

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
 Data File : VV010238.D
 Acq On : 11 Apr 2019 12:44
 Operator : SY/MD
 Sample : K2278-07
 Misc : 5.42G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DB6X4

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.209	33	37	48	rVB3	8854	11997	0.04%	0.007%
2	1.322	63	72	84	rVB	104475	106501	0.35%	0.059%
3	1.393	89	94	100	rBV	6272	6481	0.02%	0.004%
4	1.473	111	119	122	rBV9	8448	12124	0.04%	0.007%
5	1.576	143	151	161	rVB	91864	111823	0.37%	0.062%
6	2.052	294	299	308	rBV9	3913	5526	0.02%	0.003%
7	2.129	313	323	335	rBV	238741	343654	1.13%	0.190%
8	2.254	360	362	366	rVV4	726	465	0.00%	0.000%
9	2.286	369	372	373	rBV	885	548	0.00%	0.000%
10	2.315	375	381	389	rVB5	2054	2739	0.01%	0.002%
11	2.409	404	410	411	rBV3	737	709	0.00%	0.000%
12	2.421	411	414	417	rVV2	709	533	0.00%	0.000%
13	2.550	438	454	474	rVB3	37861	103636	0.34%	0.057%
14	2.676	489	493	500	rVB5	509	605	0.00%	0.000%
15	2.791	516	529	542	rBV2	16510	32328	0.11%	0.018%
16	3.077	602	618	635	rVB3	34585	69395	0.23%	0.038%
17	3.177	646	649	653	rVB4	680	565	0.00%	0.000%
18	3.582	760	775	790	rBV5	12725	34690	0.11%	0.019%
19	3.714	796	816	833	rBV3	41153	109004	0.36%	0.060%
20	3.801	838	843	844	rBV3	2562	1962	0.01%	0.001%
21	3.933	871	884	903	rBV2	24524	67296	0.22%	0.037%
22	4.119	939	942	949	rBV3	691	742	0.00%	0.000%
23	4.402	1011	1030	1062	rVV2	149575	390275	1.28%	0.215%
24	4.618	1092	1097	1100	rVB4	910	771	0.00%	0.000%
25	4.714	1110	1127	1143	rBV2	106768	256525	0.84%	0.141%
26	4.810	1148	1157	1178	rVB6	39178	102300	0.34%	0.056%
27	4.955	1185	1202	1226	rBV3	109234	274012	0.90%	0.151%
28	5.097	1229	1246	1271	rVV3	334450	838158	2.75%	0.462%
29	5.225	1275	1286	1292	rVV5	29358	68892	0.23%	0.038%
30	5.283	1295	1304	1320	rVV3	90001	231360	0.76%	0.128%
31	5.373	1321	1332	1347	rVB4	27138	60770	0.20%	0.034%
32	5.466	1359	1361	1368	rVB3	762	515	0.00%	0.000%
33	5.534	1369	1382	1402	rBV3	53100	110269	0.36%	0.061%
34	5.663	1408	1422	1445	rBV	343212	688211	2.26%	0.380%

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35	5.817	1467	1470	1472	rBV4	911	509	0.00%	0.000%
36	5.852	1479	1481	1484	rVB3	886	551	0.00%	0.000%
37	5.949	1504	1511	1512	rBV4	2286	2403	0.01%	0.001%
38	6.029	1524	1536	1549	rVB2	10348	21595	0.07%	0.012%
39	6.116	1549	1563	1571	rBV	196889	394525	1.30%	0.218%
40	6.177	1573	1582	1595	rVB2	341788	689609	2.27%	0.380%
41	6.302	1612	1621	1632	rVB2	44645	77600	0.26%	0.043%
42	6.408	1645	1654	1667	rVB4	25633	47619	0.16%	0.026%
43	6.505	1668	1684	1702	rBV4	42249	99518	0.33%	0.055%
44	6.608	1711	1716	1718	rBV4	1800	1466	0.00%	0.001%
45	6.682	1726	1739	1763	rVB7	46980	143681	0.47%	0.079%
46	6.820	1763	1782	1792	rBV2	37170	85465	0.28%	0.047%
47	6.881	1793	1801	1810	rVV	36292	59738	0.20%	0.033%
48	6.962	1816	1826	1833	rBV	195435	335632	1.10%	0.185%
49	7.122	1867	1876	1896	rVB	201536	399903	1.31%	0.221%
50	7.309	1919	1934	1940	rBV2	397344	757959	2.49%	0.418%
51	7.486	1979	1989	1998	rBV3	98496	194328	0.64%	0.107%
52	7.608	2019	2027	2037	rBV	218146	344638	1.13%	0.190%
53	7.701	2048	2056	2077	rVB2	282616	518536	1.70%	0.286%
54	7.830	2086	2096	2107	rVB	142808	244734	0.80%	0.135%
55	8.019	2144	2155	2166	rVB	95760	166211	0.55%	0.092%
56	8.125	2172	2188	2209	rBV3	279687	552379	1.82%	0.305%
57	8.248	2216	2226	2231	rBV	221395	385864	1.27%	0.213%
58	8.334	2243	2253	2263	rVB	572960	942765	3.10%	0.520%
59	8.396	2263	2272	2281	rBV	315225	542201	1.78%	0.299%
60	8.550	2312	2320	2328	rVB3	54675	86884	0.29%	0.048%
61	8.611	2329	2339	2343	rBV	277135	451310	1.48%	0.249%
62	8.707	2361	2369	2382	rVB2	824088	1376418	4.52%	0.759%
63	8.830	2395	2407	2417	rBV	733924	1200426	3.95%	0.662%
64	8.894	2418	2427	2437	rVV	503879	808256	2.66%	0.446%
65	9.039	2463	2472	2486	rVB5	148010	313956	1.03%	0.173%
66	9.199	2515	2522	2528	rBV	570992	791916	2.60%	0.437%
67	9.244	2529	2536	2561	rVB2	1248011	2202989	7.24%	1.215%
68	9.363	2561	2573	2588	rBV2	211764	387567	1.27%	0.214%
69	9.453	2593	2601	2605	rBV3	93829	141274	0.46%	0.078%
70	9.518	2607	2621	2638	rBV5	1061659	2309410	7.59%	1.274%
71	9.621	2640	2653	2663	rBV3	489349	980436	3.22%	0.541%

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72	9.720	2676	2684	2686	rBV2	462261	569554	1.87%	0.314%
73	9.752	2688	2694	2704	rVB2	1758813	2712596	8.92%	1.496%
74	9.842	2715	2722	2731	rVB3	1749793	2630967	8.65%	1.451%
75	10.022	2771	2778	2783	rBV4	389800	611575	2.01%	0.337%
76	10.061	2784	2790	2798	rVV3	843761	1295925	4.26%	0.715%
77	10.264	2846	2853	2859	rBV	1605656	2585175	8.50%	1.426%
78	10.498	2920	2926	2935	rVB6	955621	1602464	5.27%	0.884%
79	10.556	2936	2944	2952	rBV	1866516	3132231	10.30%	1.727%
80	10.926	3052	3059	3076	rBV2	4656171	7587362	24.94%	4.184%
81	11.080	3100	3107	3112	rBV	1603018	2487365	8.18%	1.372%
82	11.202	3138	3145	3152	rBV	3451621	4755271	15.63%	2.622%
83	11.293	3167	3173	3179	rBV2	1378271	1879614	6.18%	1.037%
84	11.383	3196	3201	3207	rBV	2015883	2680943	8.81%	1.478%
85	11.421	3208	3213	3222	rVB	3703205	4941972	16.24%	2.725%
86	11.514	3235	3242	3252	rVB2	3800535	5447733	17.91%	3.004%
87	11.659	3282	3287	3293	rBV2	2555331	4070829	13.38%	2.245%
88	12.174	3440	3447	3452	rBV2	3580351	5403226	17.76%	2.980%
89	12.312	3478	3490	3498	rBV7	5762575	11888997	39.08%	6.556%
90	12.421	3515	3524	3530	rBV	8410321	14526000	47.75%	8.011%
91	12.518	3546	3554	3561	rBV4	10927557	18051564	59.33%	9.955%
92	12.640	3588	3592	3599	rVB2	3806483	4158465	13.67%	2.293%
93	13.093	3727	3733	3758	rVB2	13660024	30423626	100.00%	16.778%
94	13.595	3883	3889	3898	rVB4	6356648	8110356	26.66%	4.473%
95	14.871	4280	4286	4300	rVB2	5116675	8726933	28.68%	4.813%
96	15.643	4521	4526	4536	rVB2	2413179	3500418	11.51%	1.930%
97	15.717	4541	4549	4569	rVB	1660983	3153445	10.37%	1.739%
98	15.861	4587	4594	4601	rBV	1391206	2039094	6.70%	1.124%
99	16.968	4933	4938	4947	rVB2	87013	122946	0.40%	0.068%
100	17.025	4950	4956	4977	rVB2	72100	131312	0.43%	0.072%

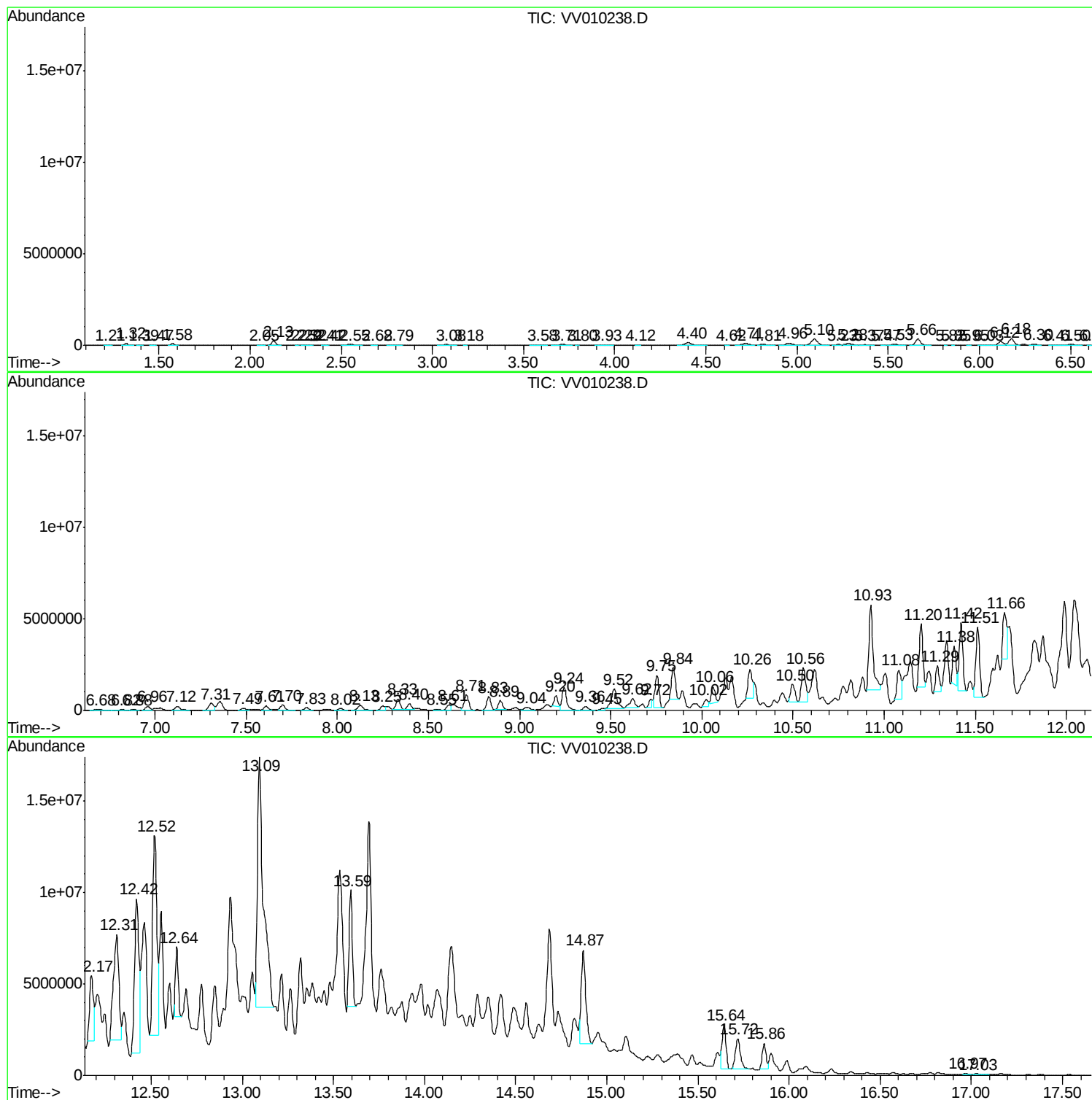
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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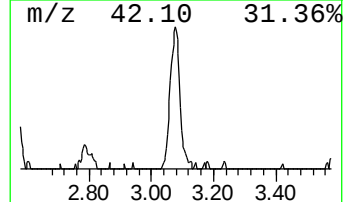
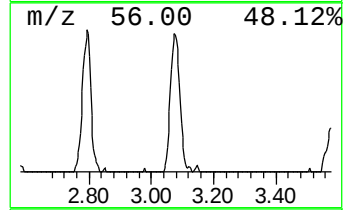
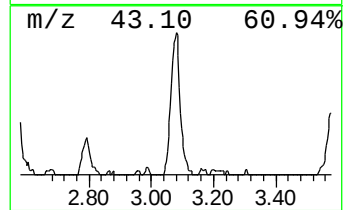
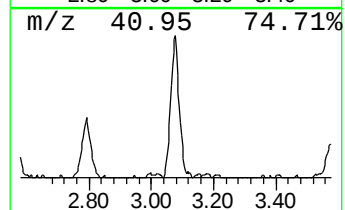
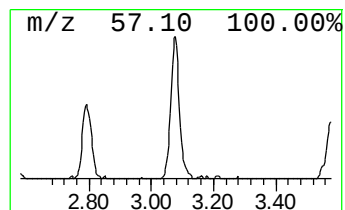
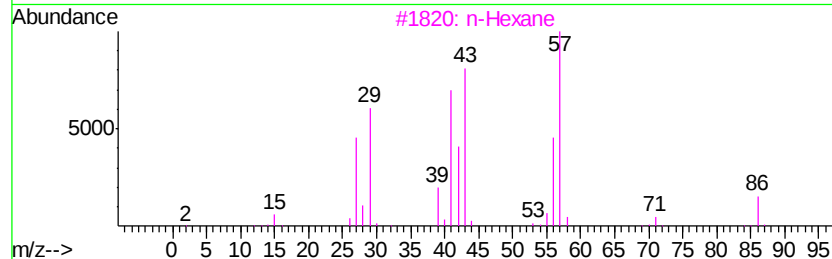
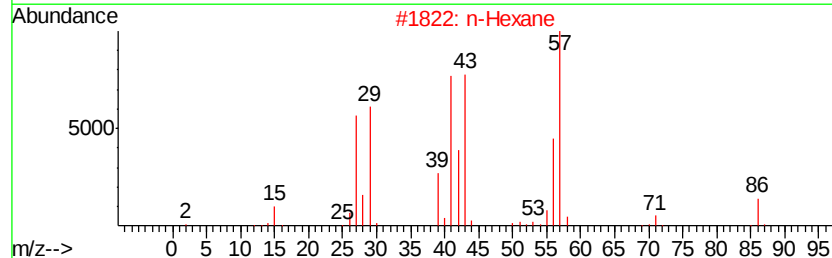
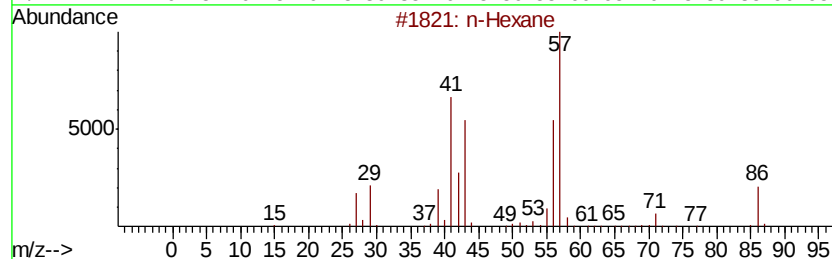
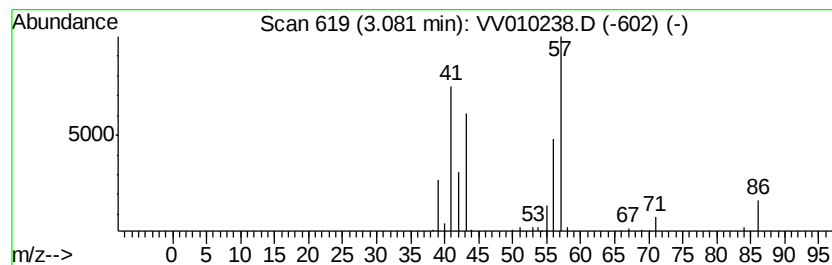
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.08	2.52 ug/L	69395	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexane	86	C6H14	000110-54-3	90
2		n-Hexane	86	C6H14	000110-54-3	64
3		n-Hexane	86	C6H14	000110-54-3	45
4		Cyclobutane	56	C4H8	000287-23-0	43
5		2-Butene, (Z)-	56	C4H8	000590-18-1	43



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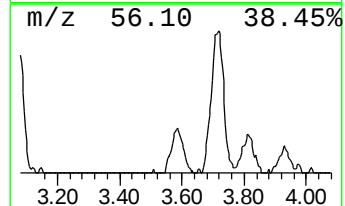
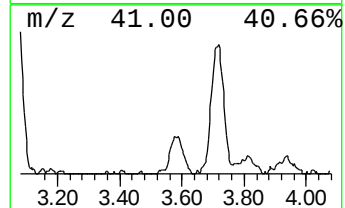
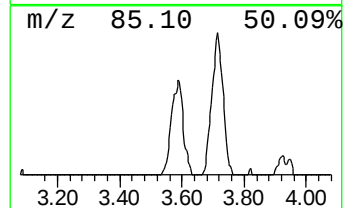
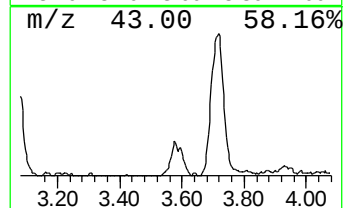
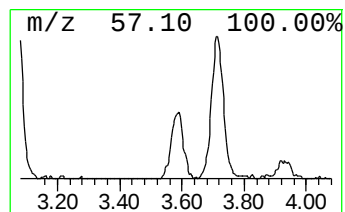
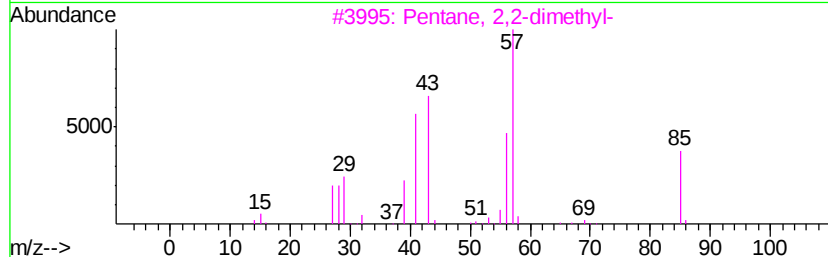
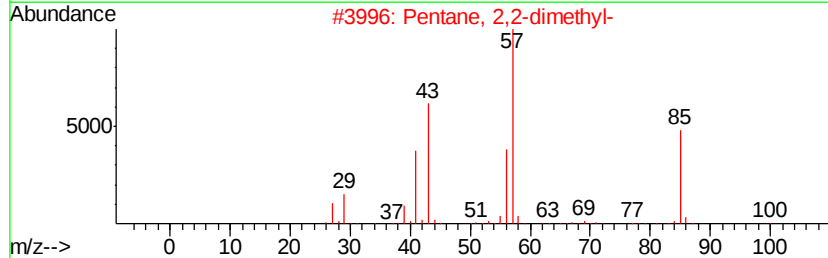
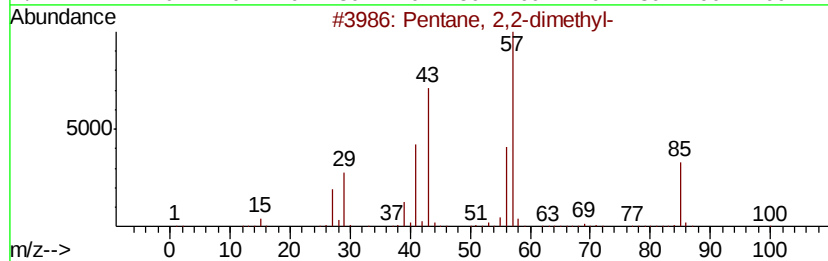
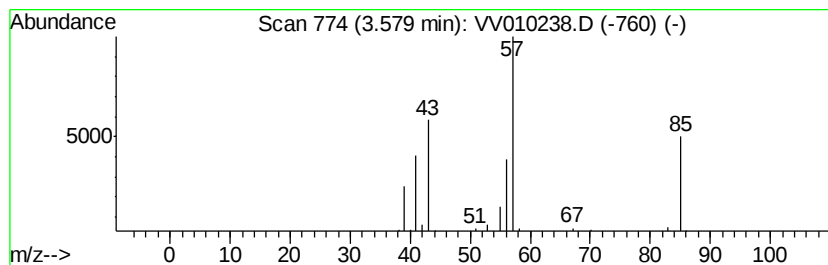
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.58	1.26 ug/L	34690	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
2			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
3			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	64
4			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	64
5			Sulfurous acid, butyl hexyl ester	222	C10H22O3S	1000309-17-3	38



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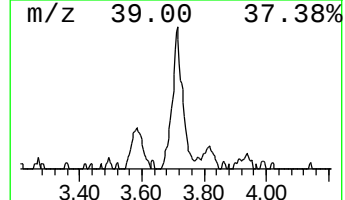
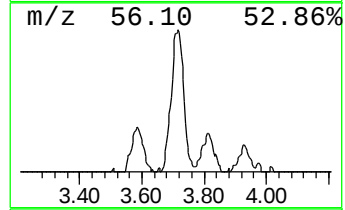
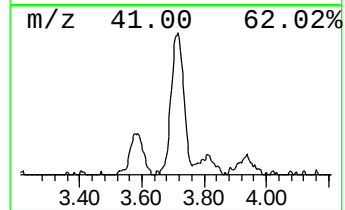
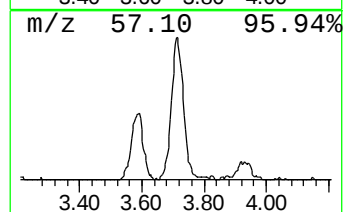
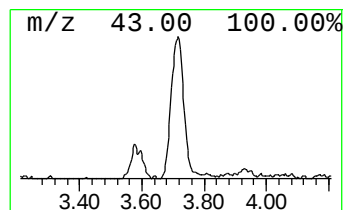
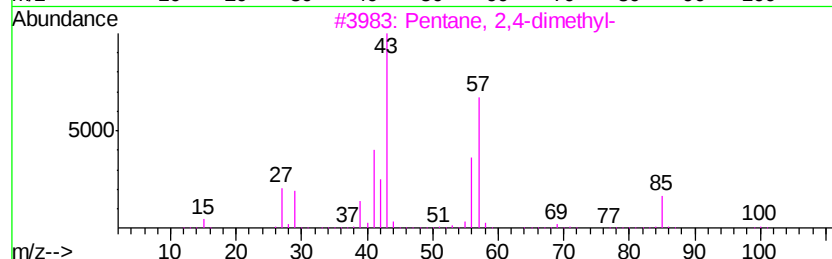
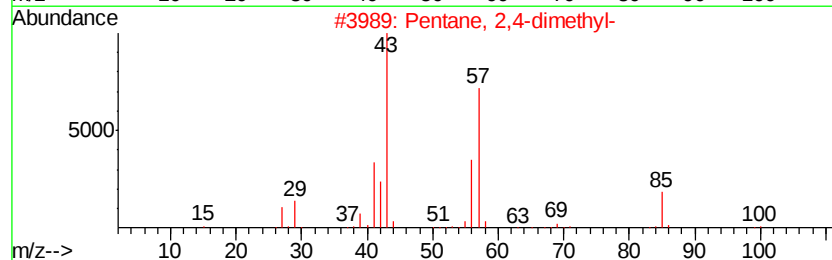
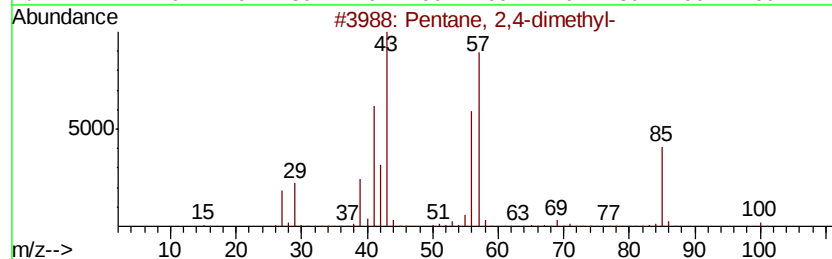
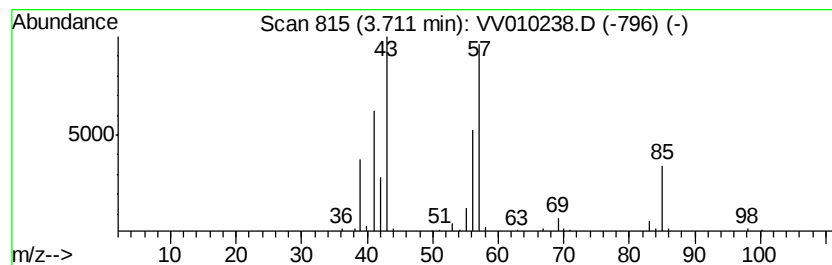
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.71	3.96 ug/L	109004	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	70
2			Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	59
3			Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	53
4			Hexane, 2-methyl-	100	C7H16	000591-76-4	53
5			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	47



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSV0A_V
ClientSampleId :
DB6X4

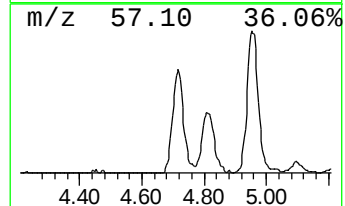
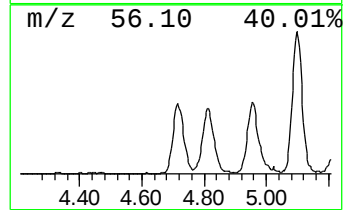
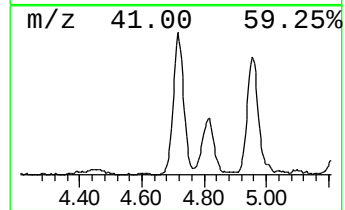
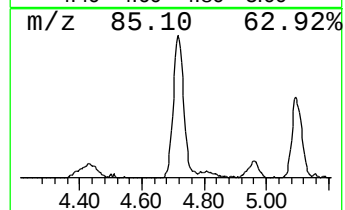
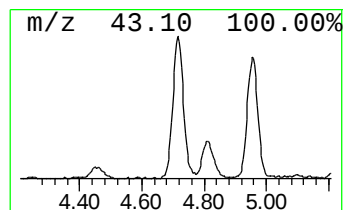
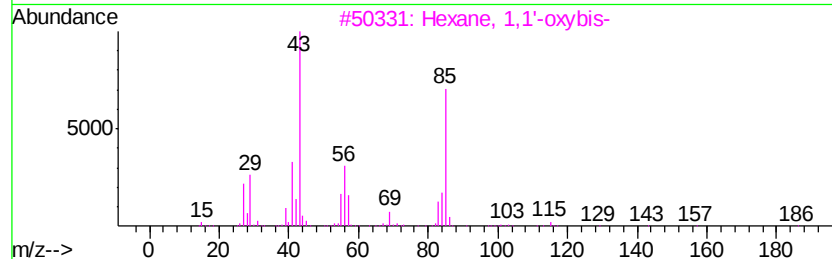
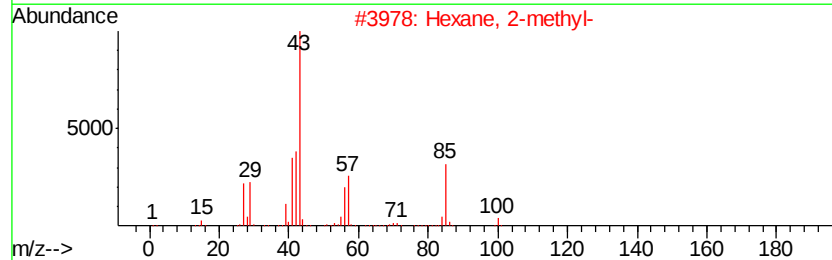
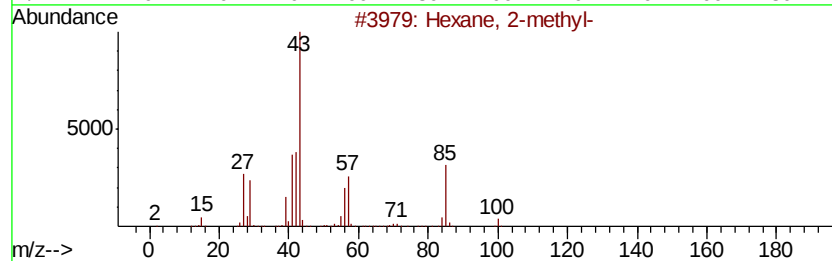
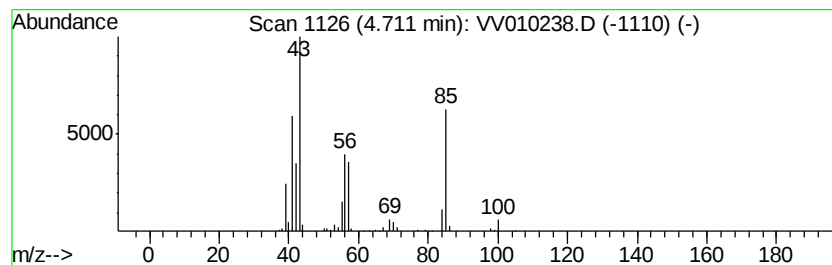
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.71	9.32 ug/L	256525	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2-methyl-	100	C7H16	000591-76-4	86
2			Hexane, 2-methyl-	100	C7H16	000591-76-4	86
3			Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	59
4			Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	59
5			Furan, tetrahydro-2,4-dimethyl-,...	100	C6H12O	039168-02-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

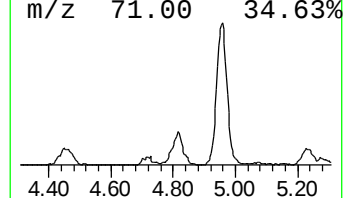
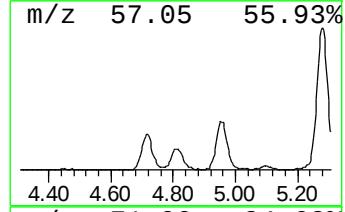
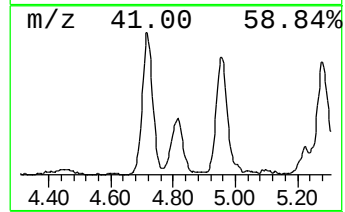
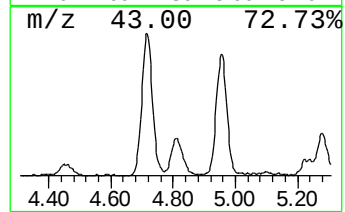
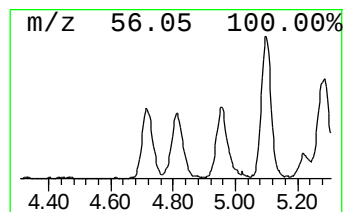
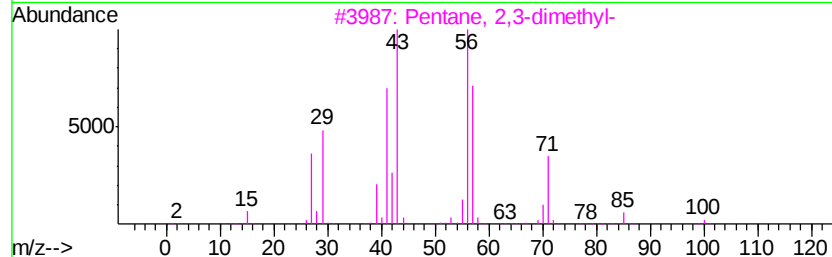
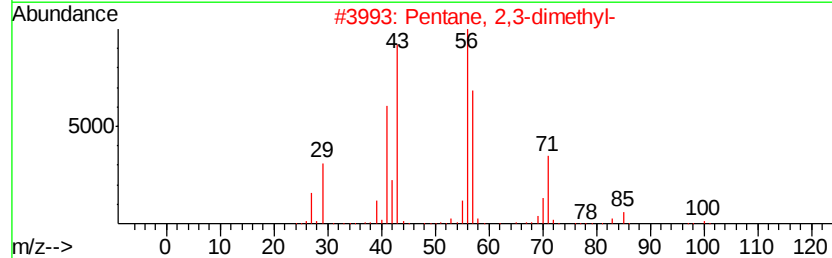
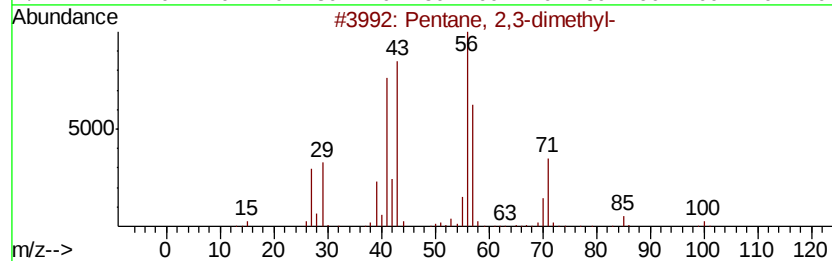
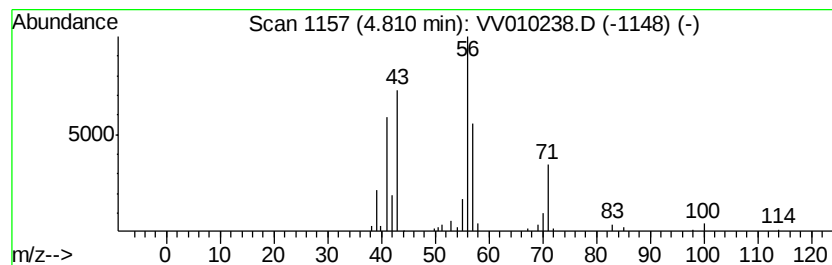
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.81	3.72 ug/L	102300	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	86
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	78
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64
5		Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

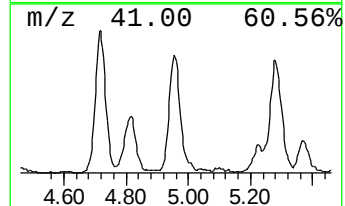
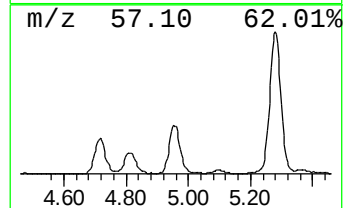
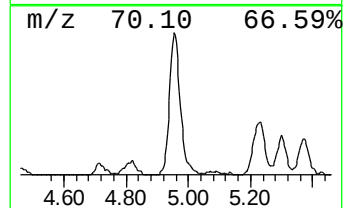
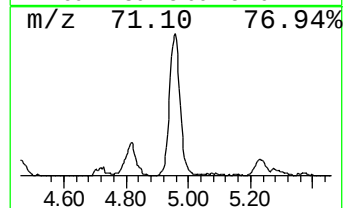
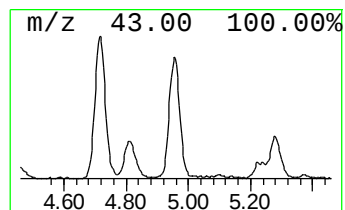
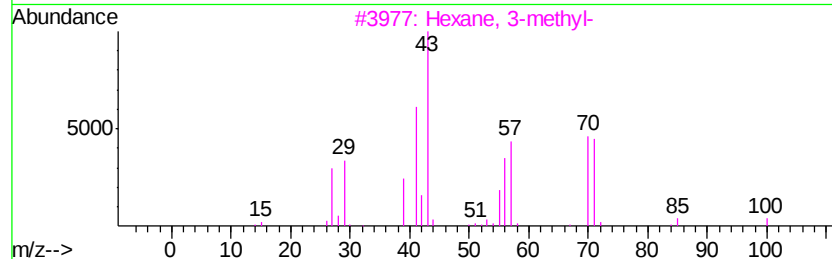
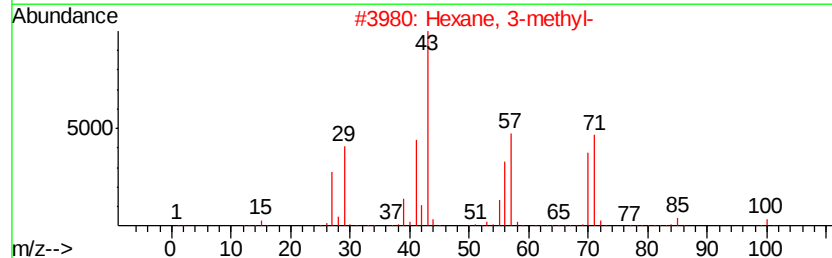
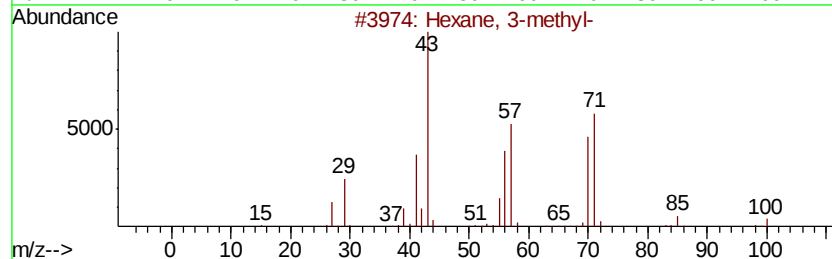
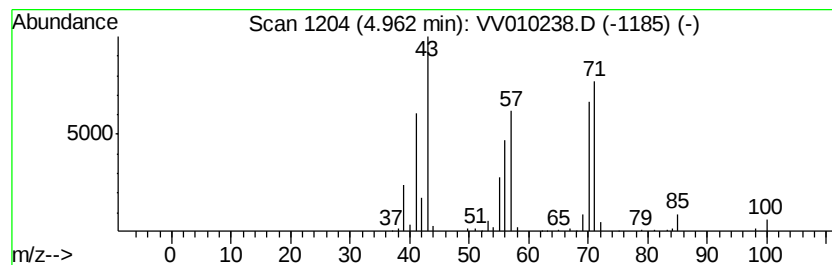
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	9.95 ug/L	274012	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2		Hexane, 3-methyl-	100	C7H16	000589-34-4	90
3		Hexane, 3-methyl-	100	C7H16	000589-34-4	81
4		Heptane	100	C7H16	000142-82-5	72
5		Heptane	100	C7H16	000142-82-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

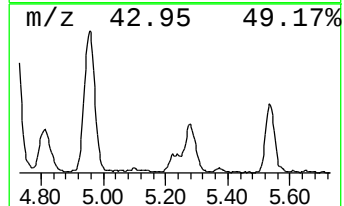
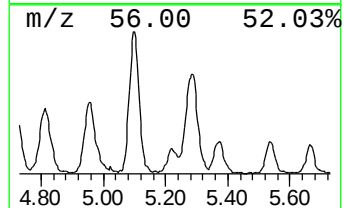
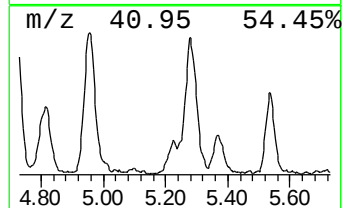
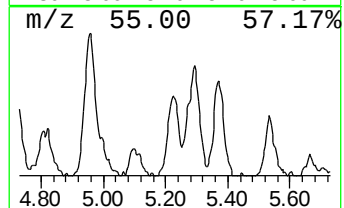
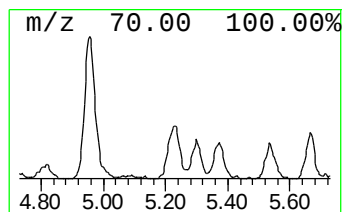
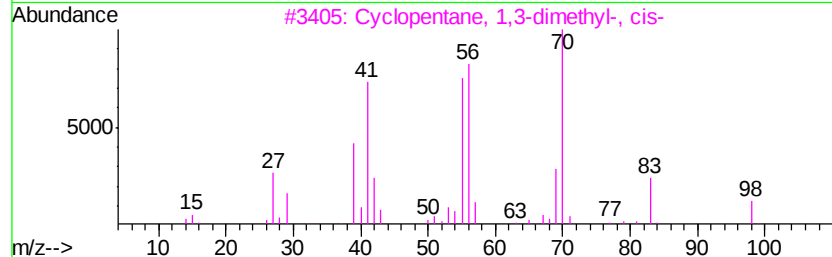
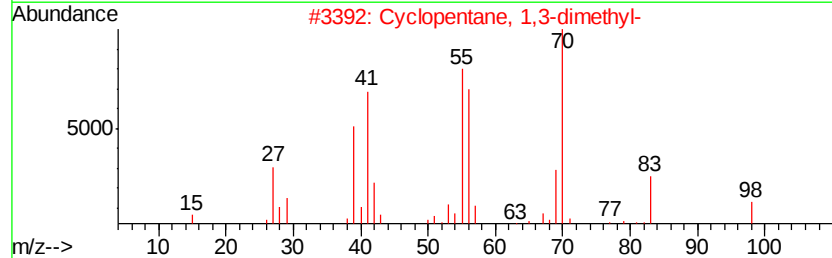
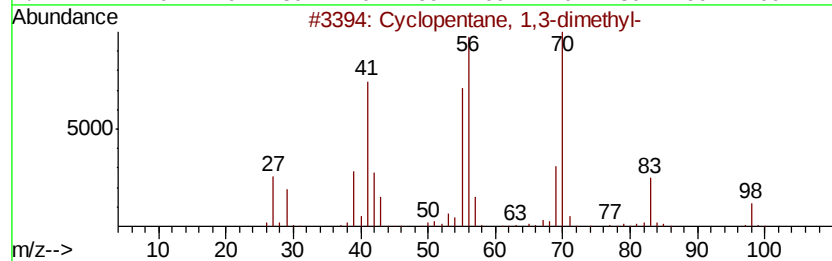
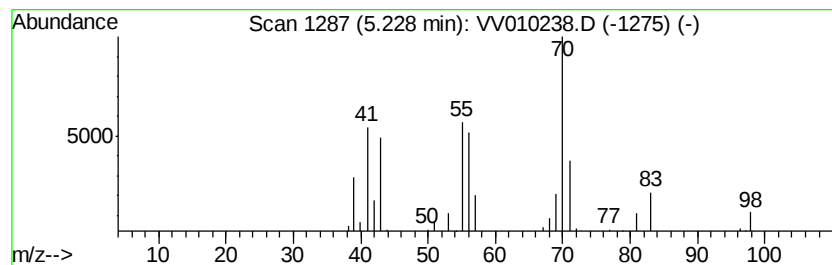
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 (DEL) Alkane: Cyclic5.23 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.23	2.50 ug/L	68892	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	64
2		Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	60
3		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	60
4		Tridecane, 3-methylene-	196	C14H28	019780-34-8	53
5		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

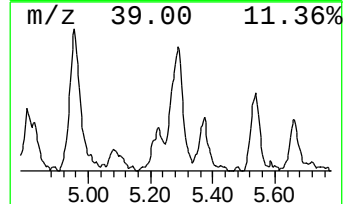
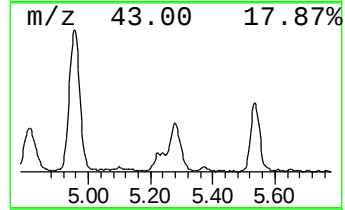
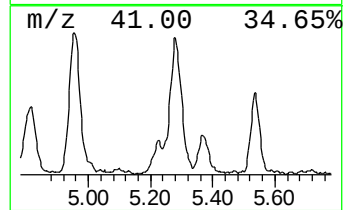
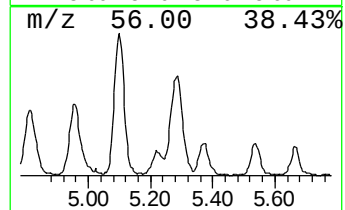
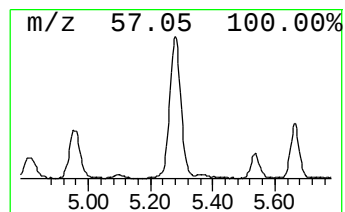
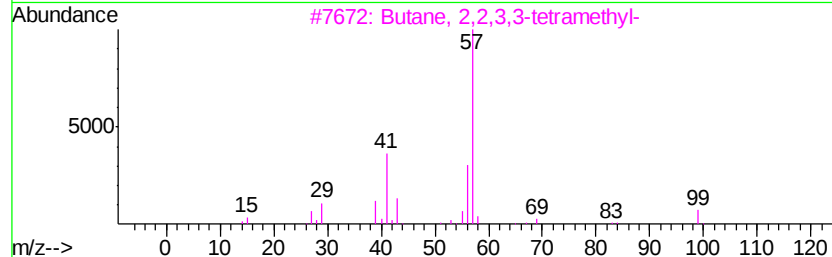
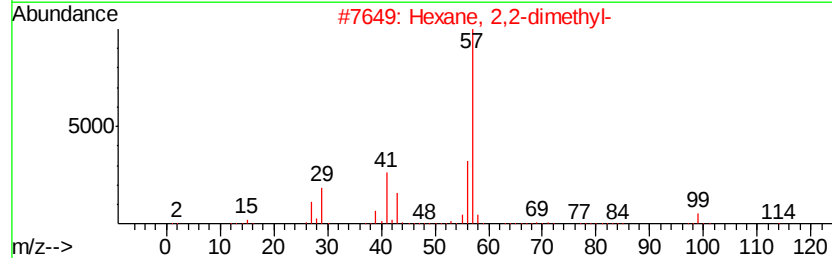
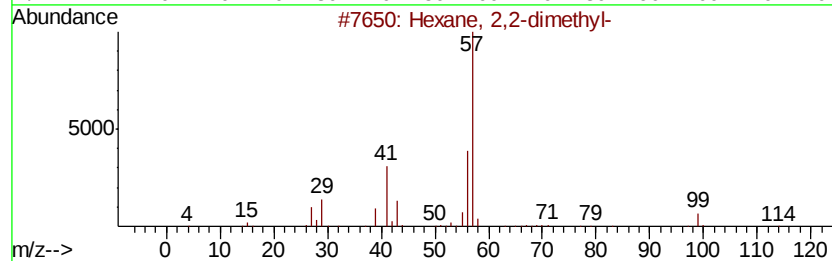
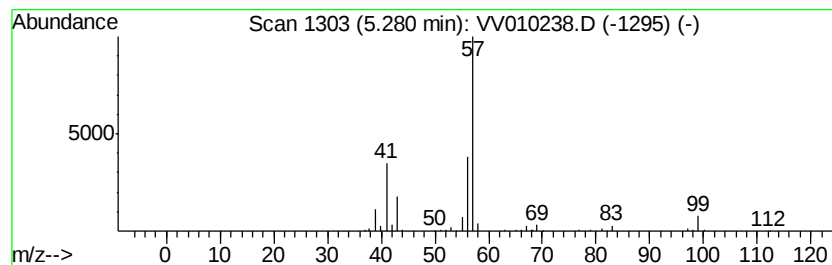
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.28	8.40 ug/L	231360	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
2		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
3		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	50
4		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	50
5		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
DB6X4

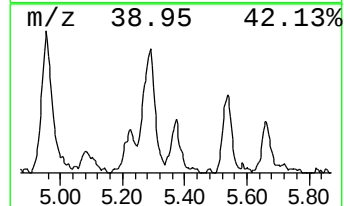
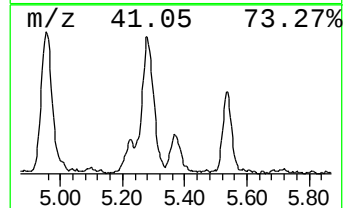
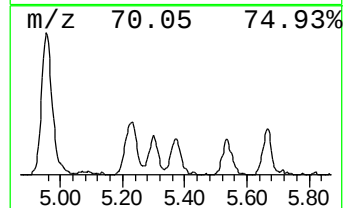
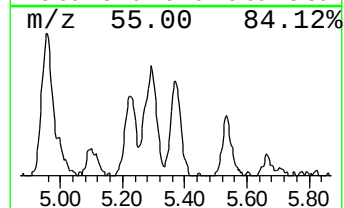
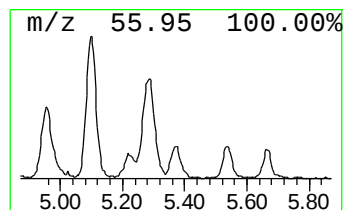
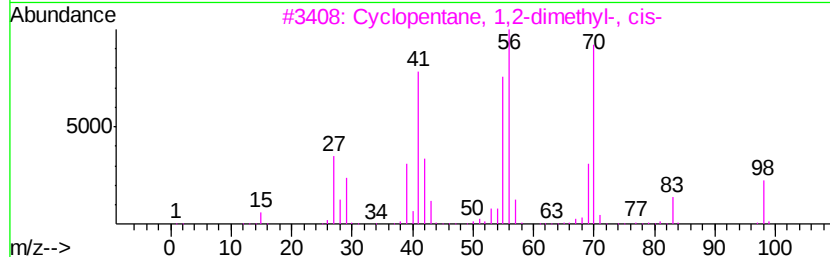
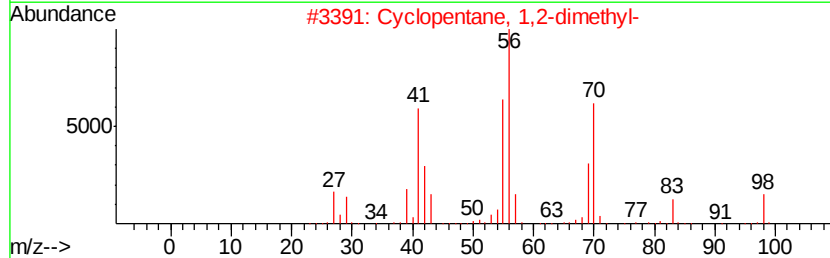
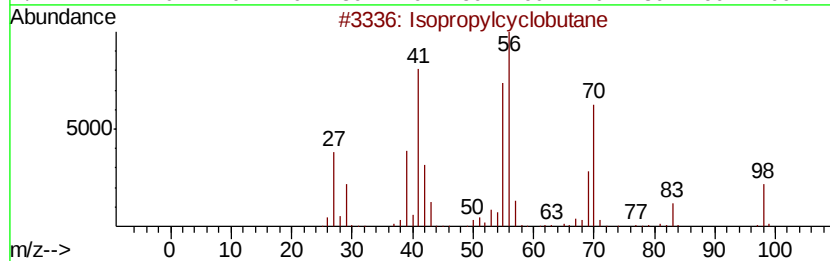
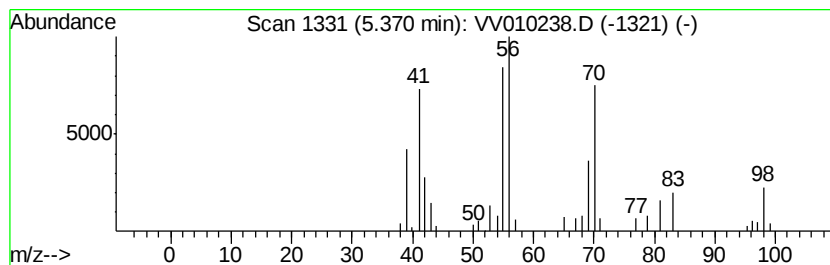
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Cyclic5.37 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	2.21 ug/L	60770	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isopropylcyclobutane	98	C7H14	000872-56-0	87
2		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	81
3		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	76
4		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	74
5		1-Heptene	98	C7H14	000592-76-7	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
DB6X4

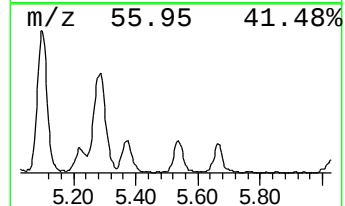
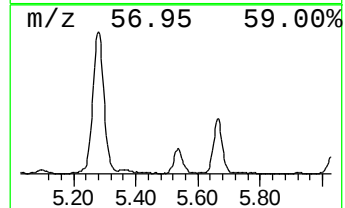
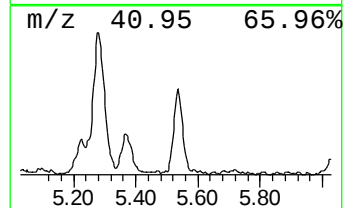
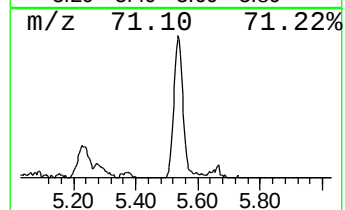
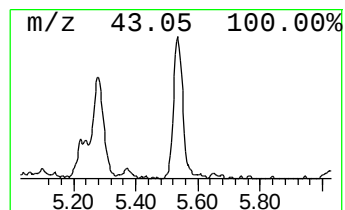
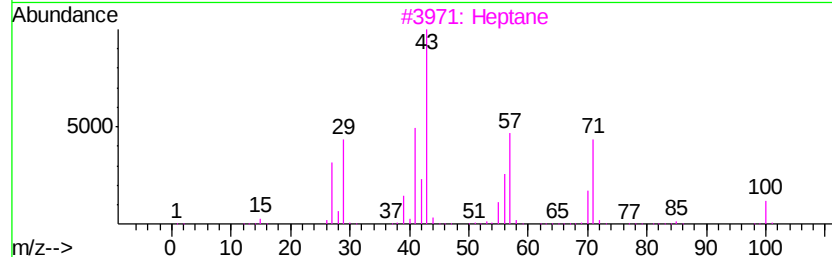
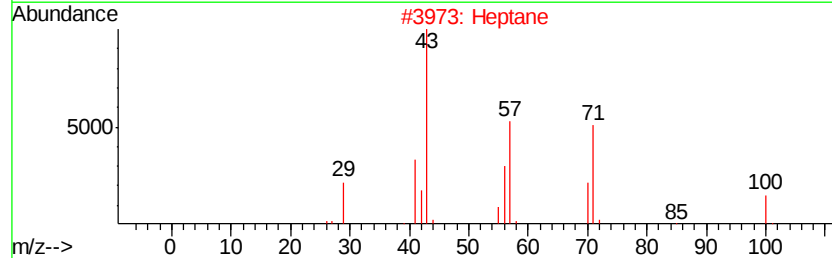
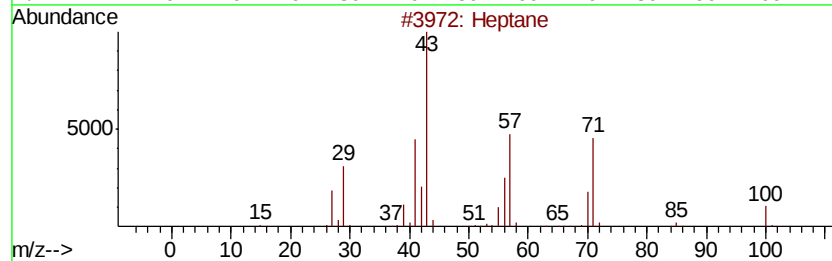
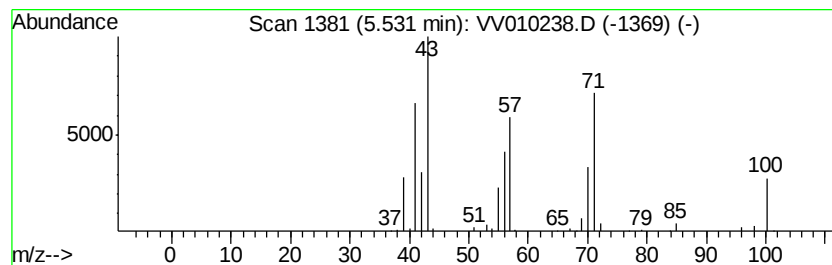
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	4.01 ug/L	110269	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane	100	C7H16	000142-82-5	83
2		Heptane	100	C7H16	000142-82-5	80
3		Heptane	100	C7H16	000142-82-5	64
4		Hexane, 3-methyl-	100	C7H16	000589-34-4	59
5		Heptane	100	C7H16	000142-82-5	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

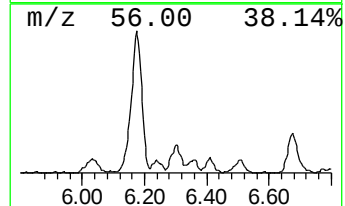
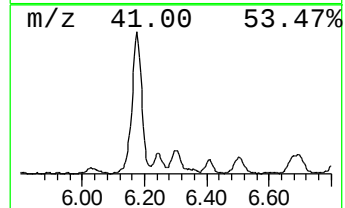
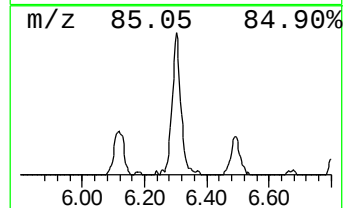
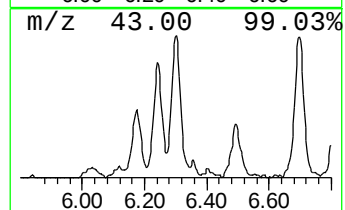
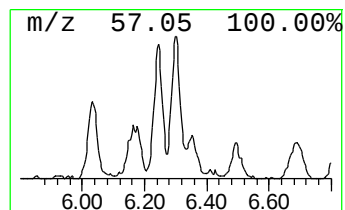
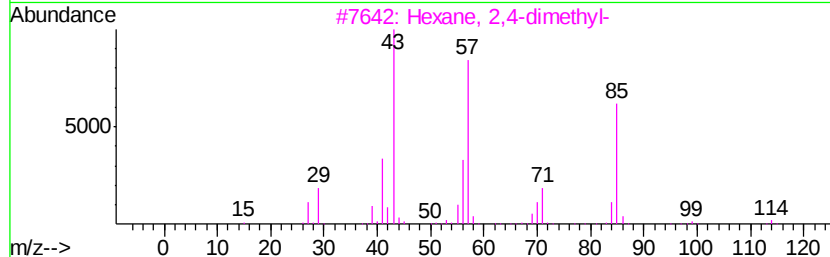
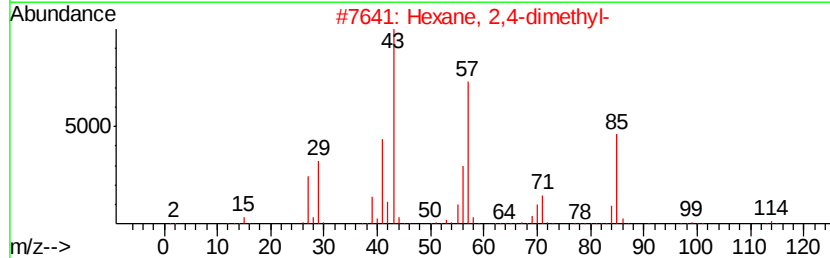
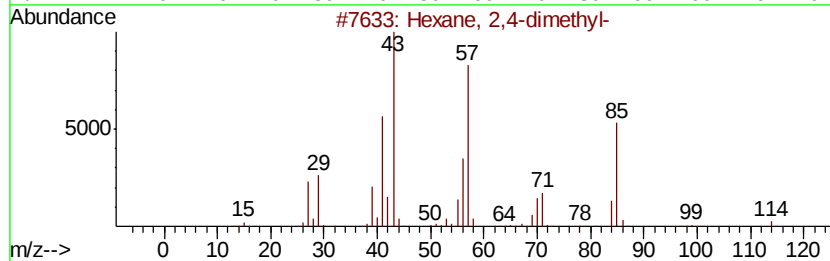
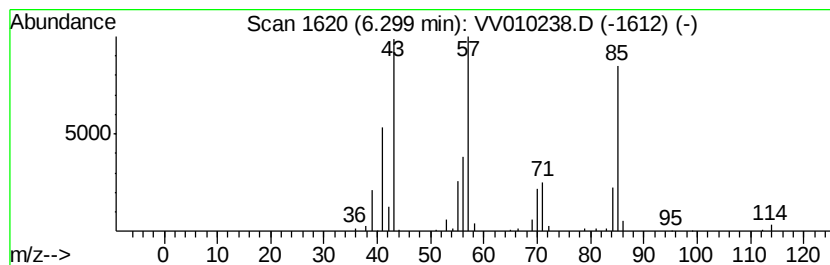
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	2.82 ug/L	77600	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-			114	C8H18	000589-43-5	91
2	Hexane, 2,4-dimethyl-			114	C8H18	000589-43-5	87
3	Hexane, 2,4-dimethyl-			114	C8H18	000589-43-5	74
4	Heptane, 2,4,6-trimethyl-			142	C10H22	002613-61-8	64
5	Heptane, 3-methyl-			114	C8H18	000589-81-1	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
DB6X4

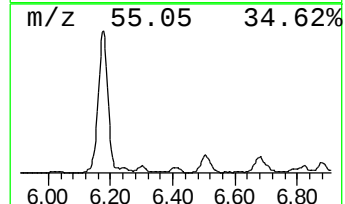
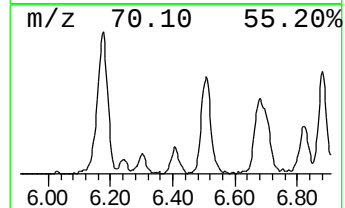
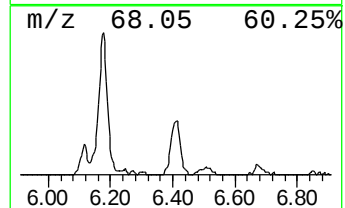
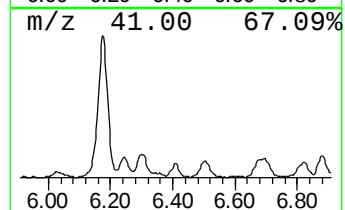
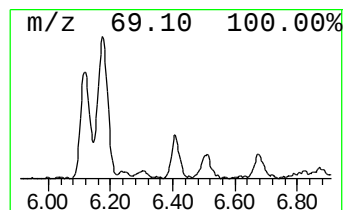
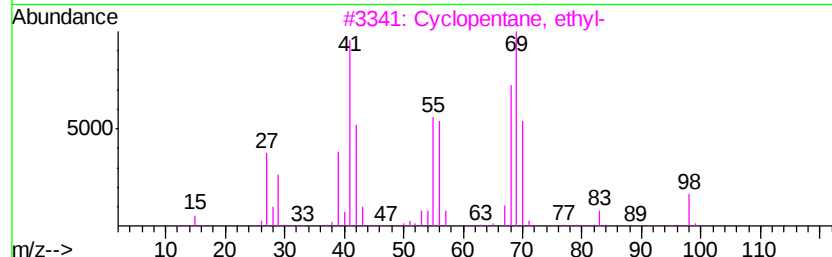
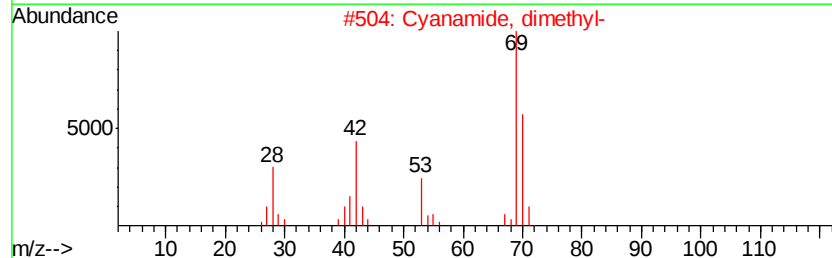
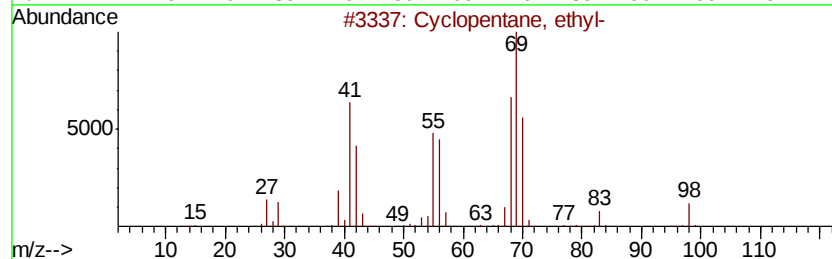
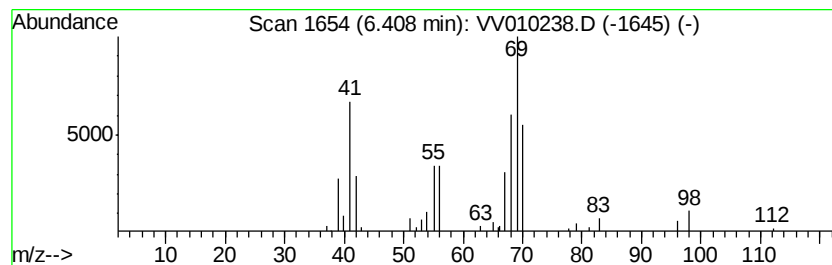
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 (DEL) Alkane: Cyclic6.41 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	1.73 ug/L	47619	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, ethyl-	98	C7H14	001640-89-7	87
2			Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	47
3			Cyclopentane, ethyl-	98	C7H14	001640-89-7	43
4			Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	43
5			2,6-Dimethyl-6-trifluoroacetoxo...	254	C12H21F3O2	061986-67-2	40



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

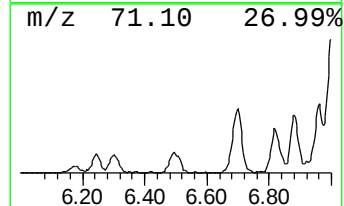
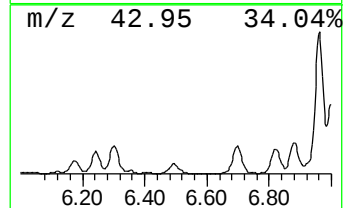
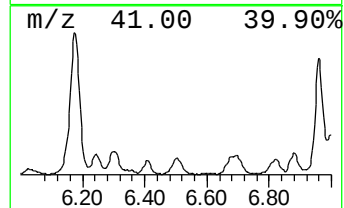
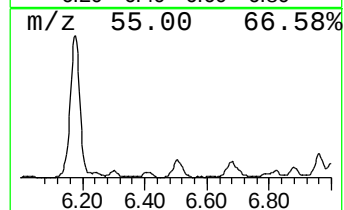
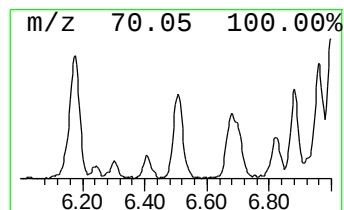
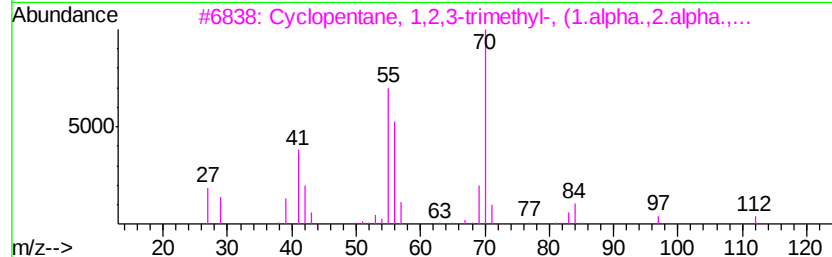
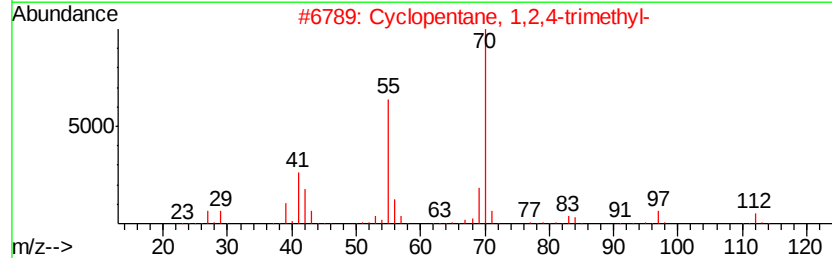
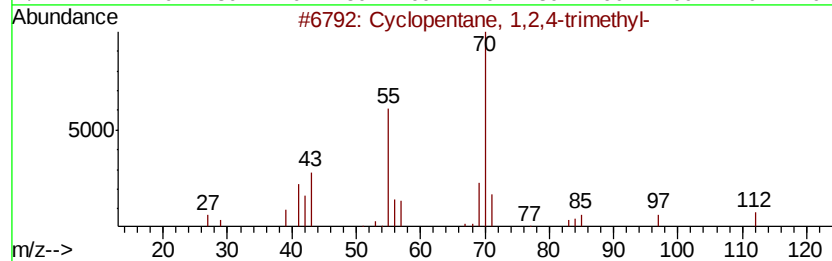
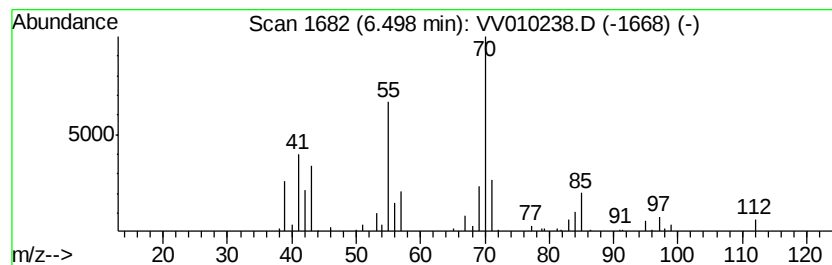
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 (DEL) Alkane: Cyclic6.50 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	3.62 ug/L	99518	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
2			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	76
3			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	76
4			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	76
5			Undecane, 3-methylene-	168	C12H24	071138-64-2	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

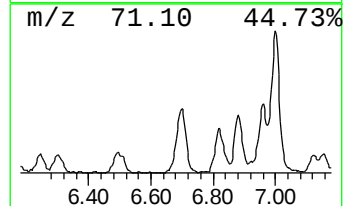
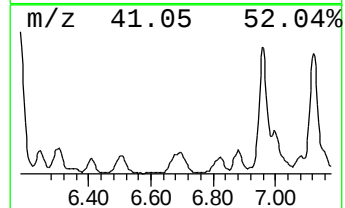
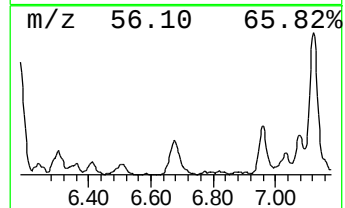
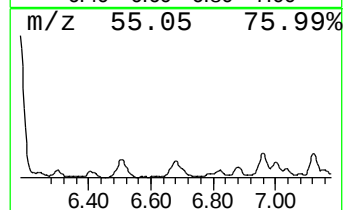
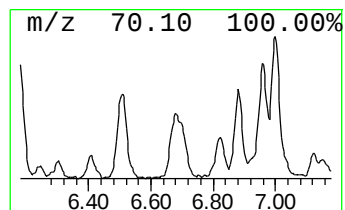
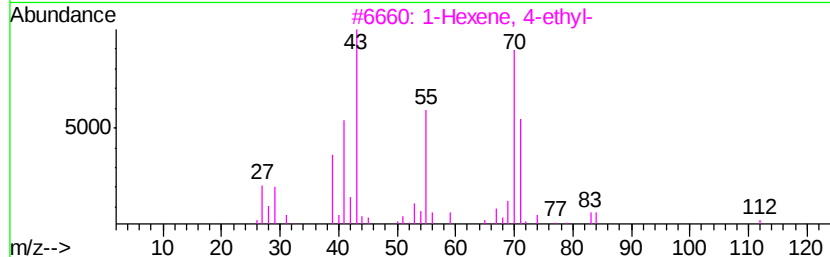
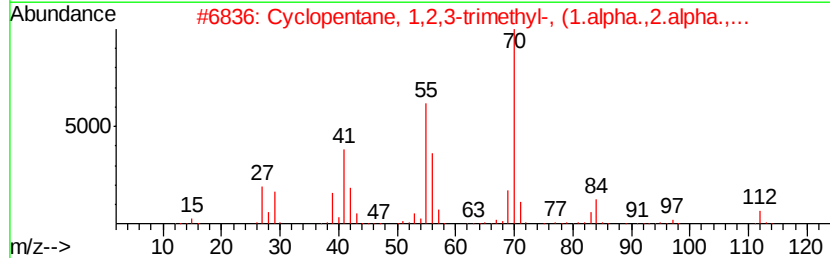
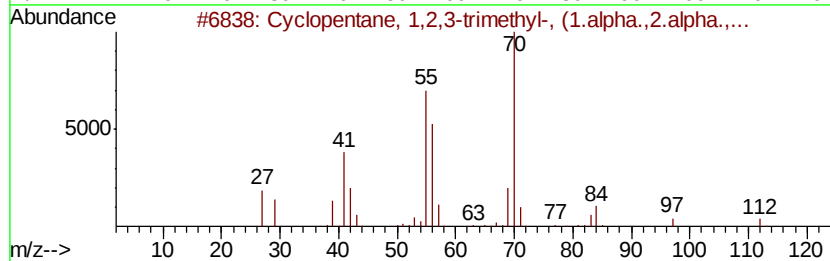
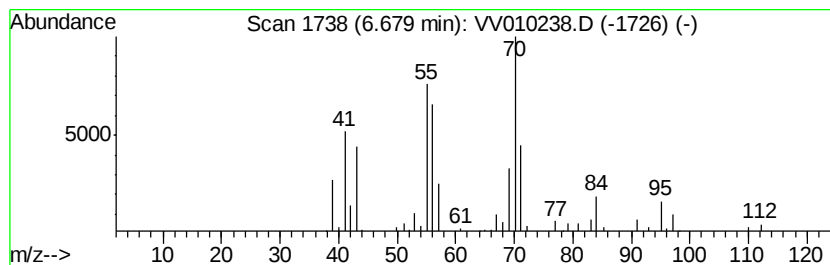
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 (DEL) Alkane: Cyclic6.68 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	5.22 ug/L	143681	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	53
3		1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	52
4		1-Heptene, 4-methyl-	112	C8H16	013151-05-8	50
5		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

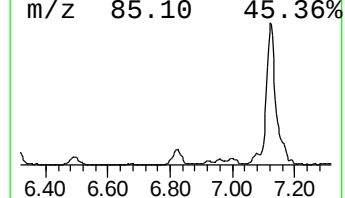
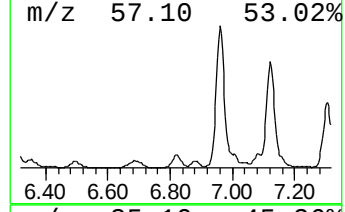
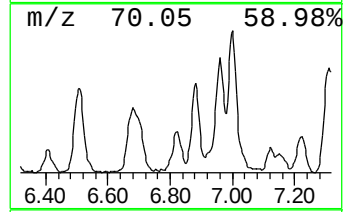
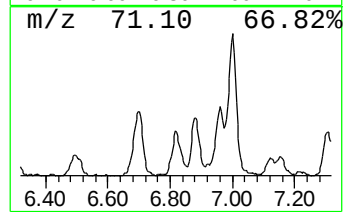
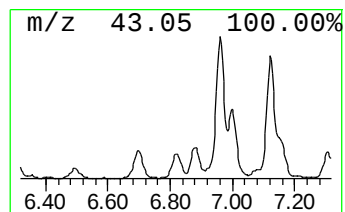
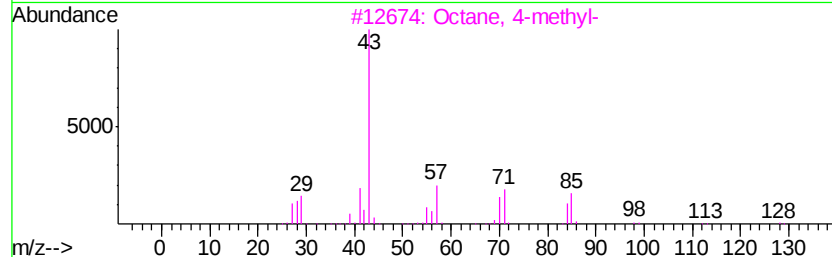
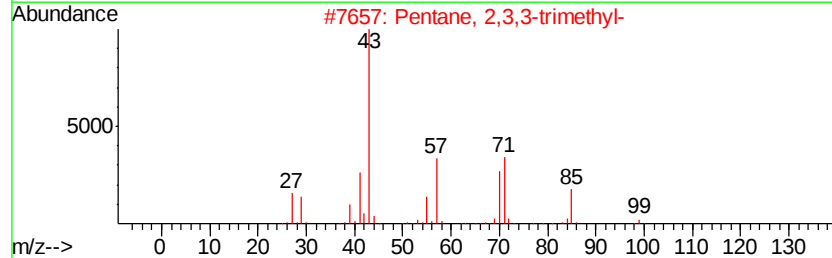
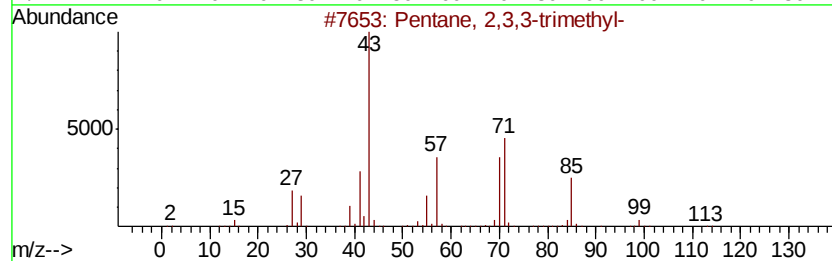
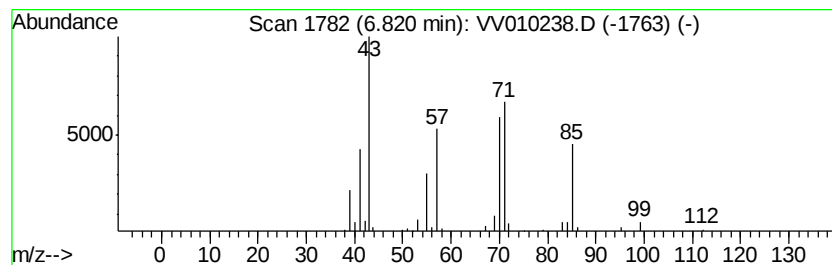
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	3.10 ug/L	85465	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
3			Octane, 4-methyl-	128	C9H20	002216-34-4	72
4			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
5			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

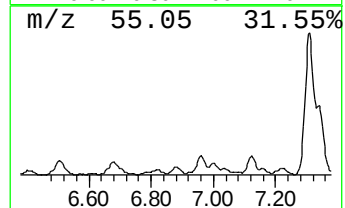
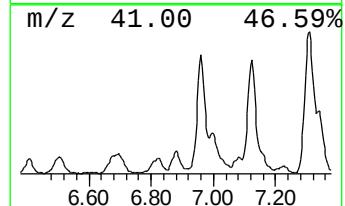
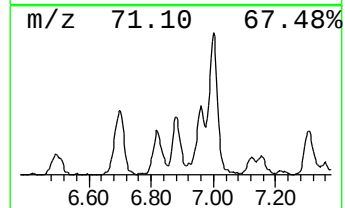
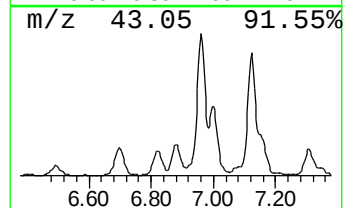
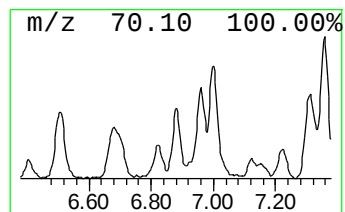
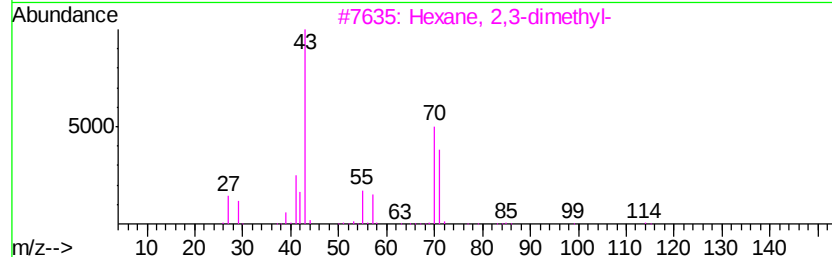
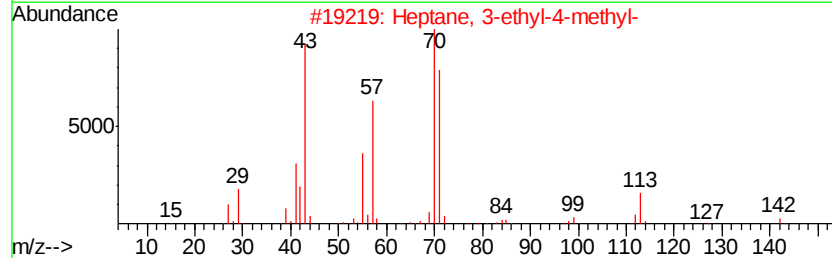
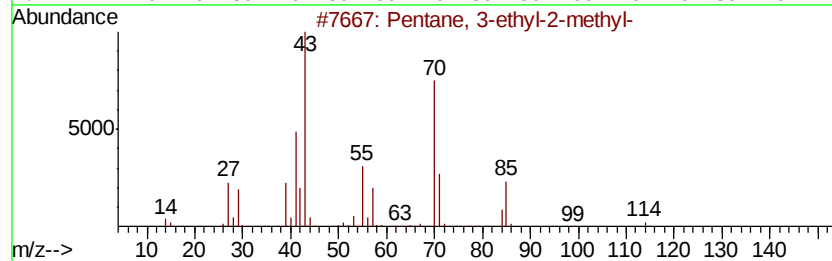
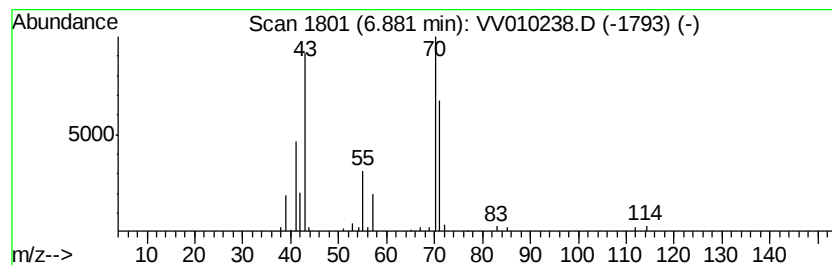
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	2.17 ug/L	59738	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	72
2			Heptane, 3-ethyl-4-methyl-	142	C10H22	052896-91-0	64
3			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	64
4			Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	64
5			Heptane, 4-methyl-	114	C8H18	000589-53-7	59



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSV0A_V
ClientSampleId :
DB6X4

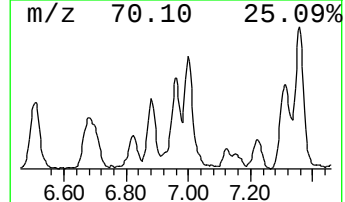
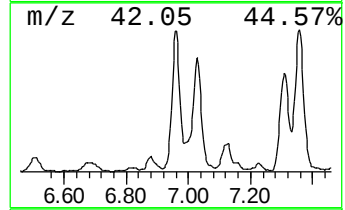
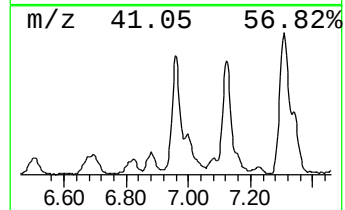
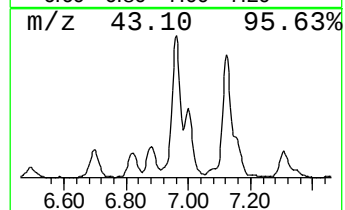
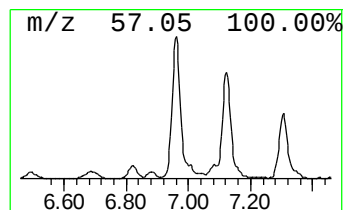
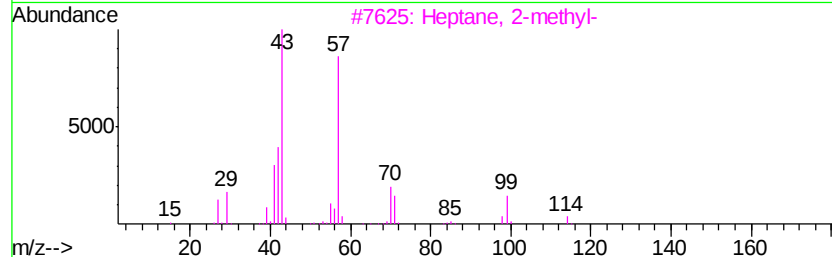
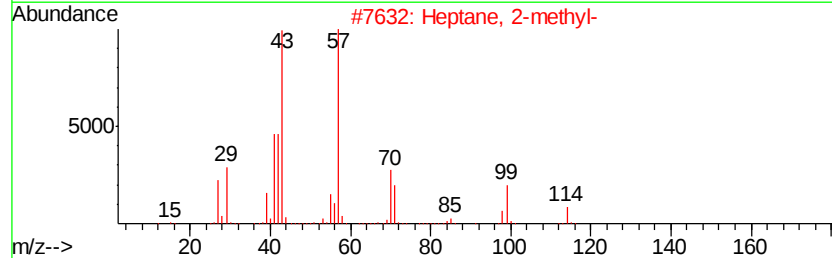
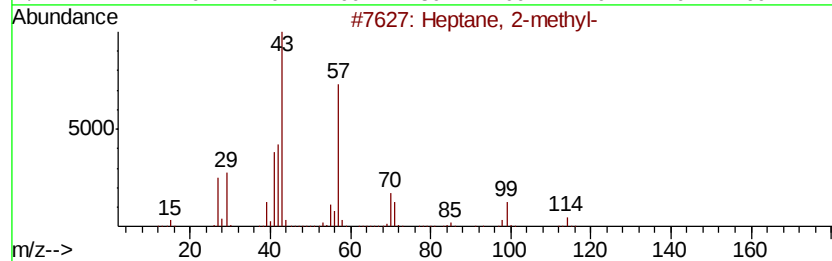
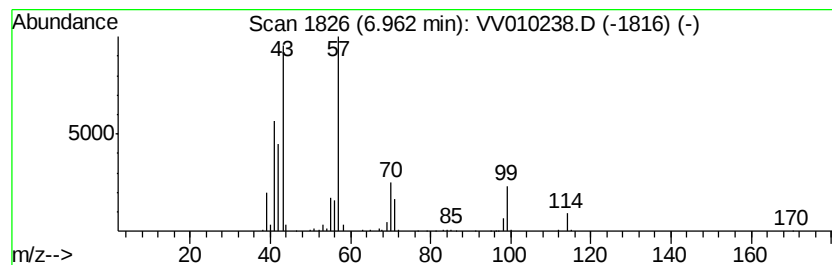
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	12.19 ug/L	335632	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2		Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3		Heptane, 2-methyl-	114	C8H18	000592-27-8	83
4		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	53
5		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

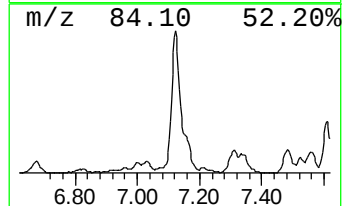
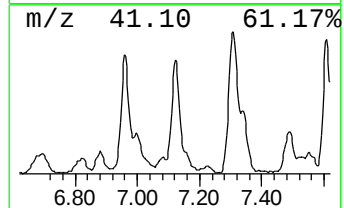
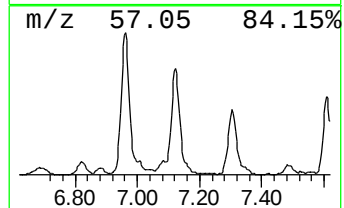
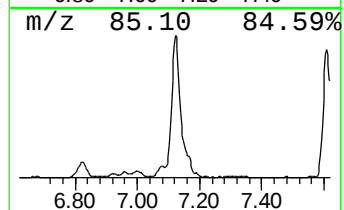
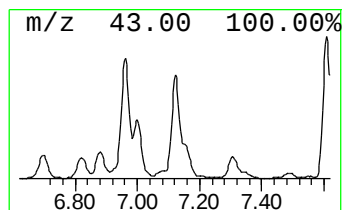
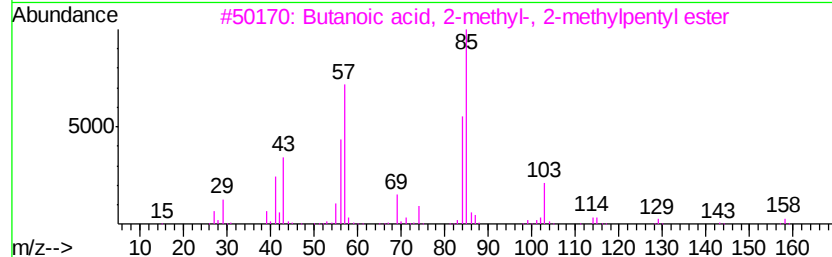
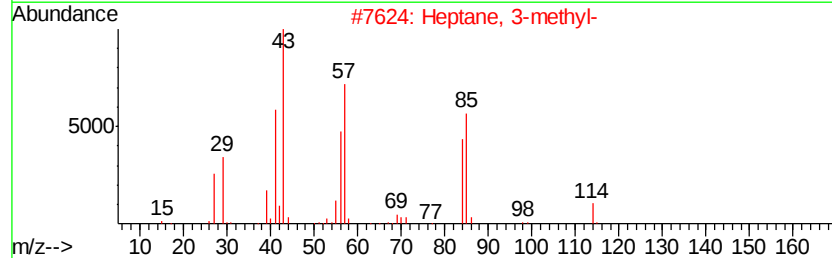
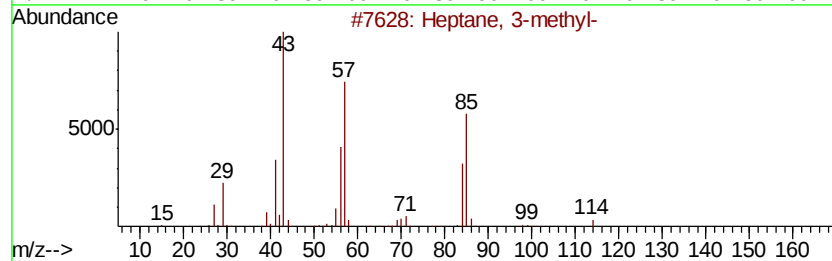
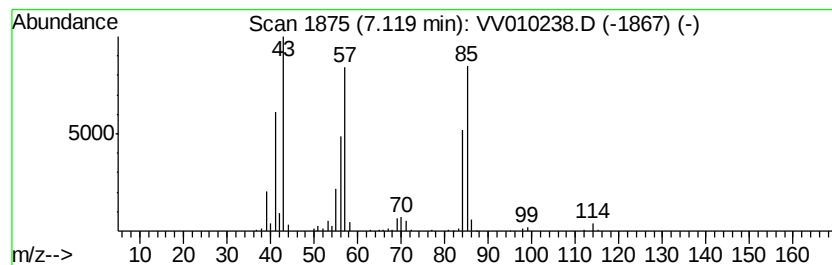
Instrument :
MSVOA_V
ClientSampleId :
DB6X4

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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	14.53 ug/L	399903	1,4-Difluorobenzene	5.66
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptane, 3-methyl-	114 C8H18	000589-81-1	91
2	Heptane, 3-methyl-	114 C8H18	000589-81-1	83
3	Butanoic acid, 2-methyl-, 2-meth...	186 C11H22O2	083783-88-4	72
4	Hexane, 2-methyl-	100 C7H16	000591-76-4	64
5	Pentane, 2,3,3,4-tetramethyl-	128 C9H20	016747-38-9	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

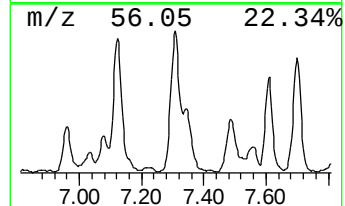
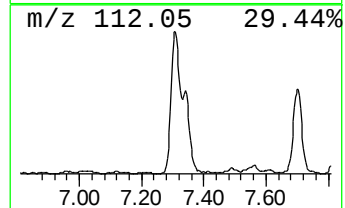
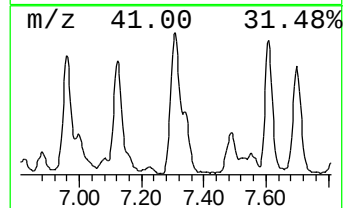
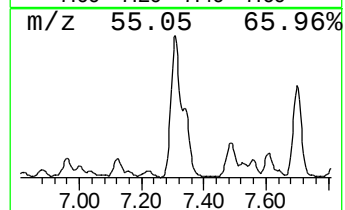
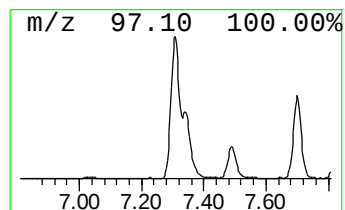
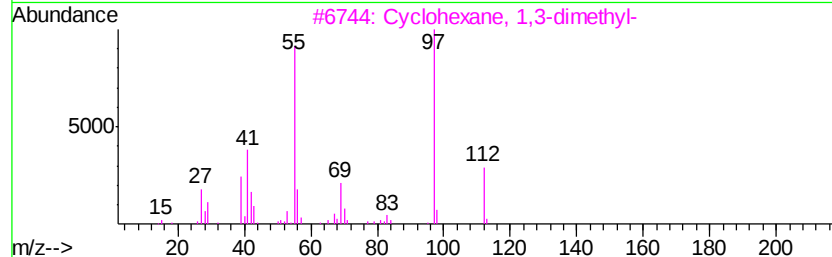
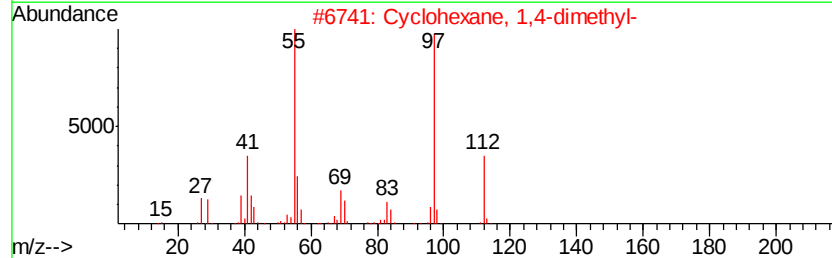
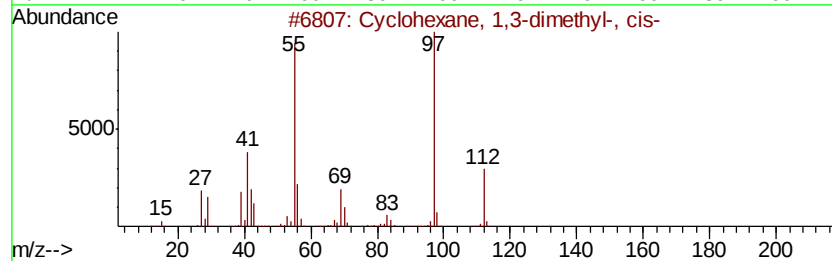
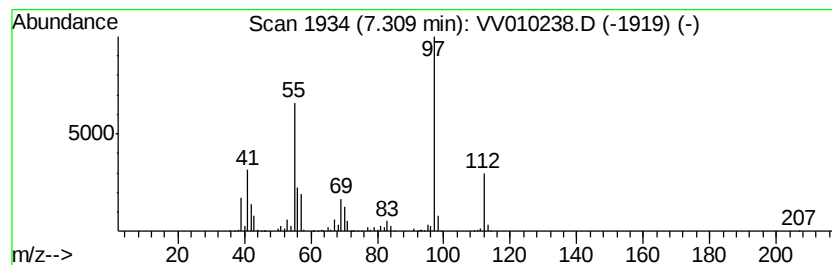
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 (DEL) Alkane: Cyclic7.31 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	23.44 ug/L	757959	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	95
2		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	91
3		Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	90
4		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

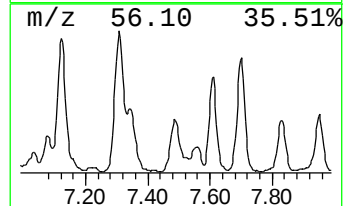
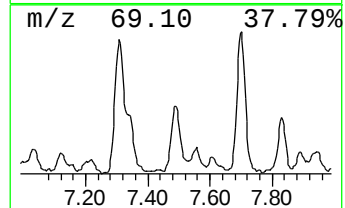
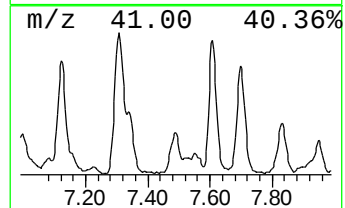
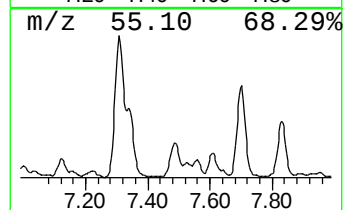
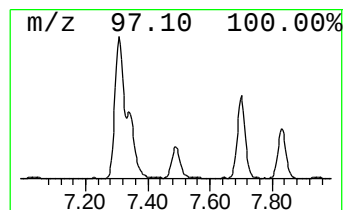
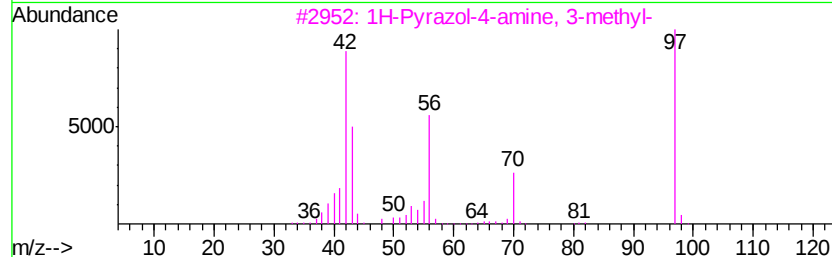
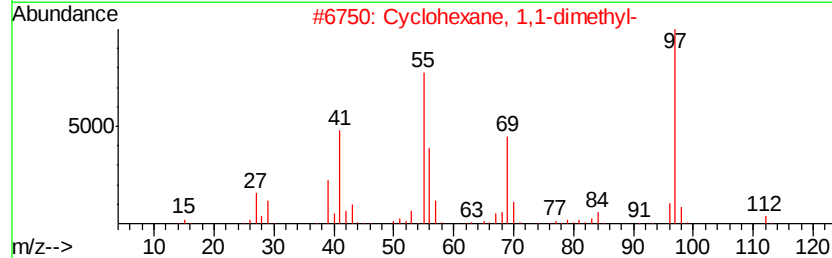
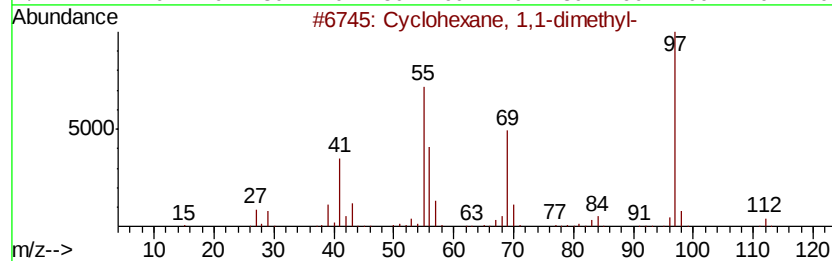
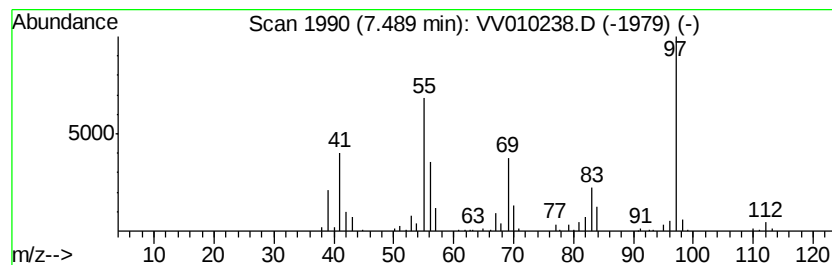
Instrument :
MSVOA_V
ClientSampleId :
DB6X4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 (DEL) Alkane: Cyclic7.49 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.		
7.49	6.01 ug/L	194328	Chlorobenzene-d5	8.89		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64
2		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	58
3		1H-Pyrazol-4-amine, 3-methyl-	97	C4H7N3	1000338-28-2	50
4		Cycloheptane, methyl-	112	C8H16	004126-78-7	49
5		Sulfurous acid, cyclohexylmethyl...	234	C11H22O3S	1000309-21-3	47



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

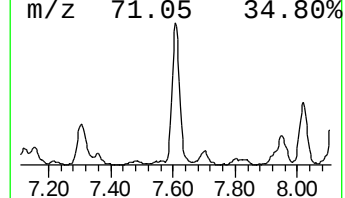
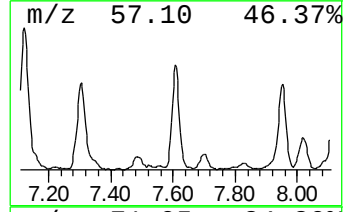
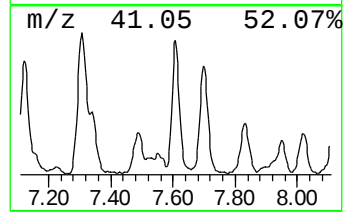
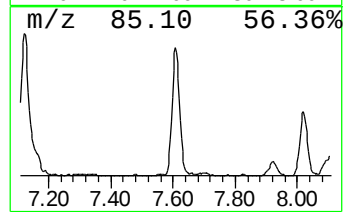
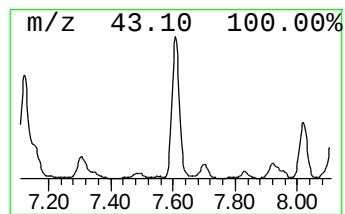
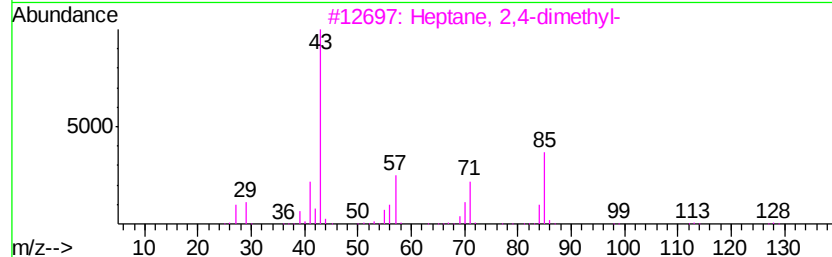
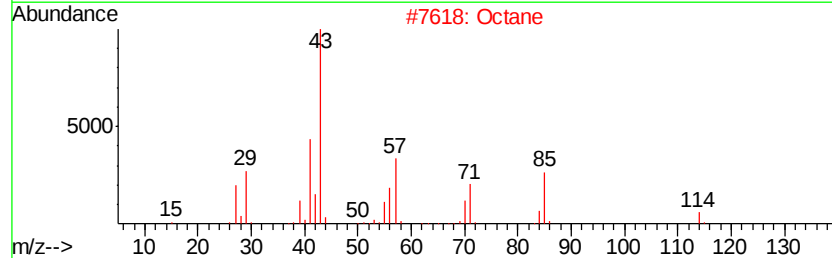
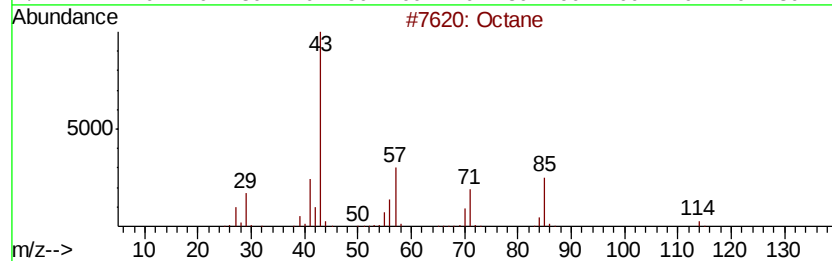
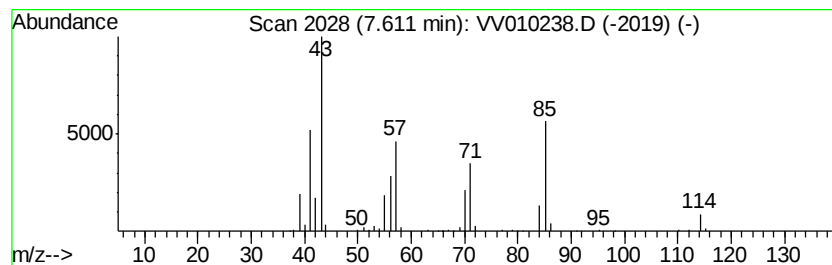
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	10.66 ug/L	344638	Chlorobenzene-d5	8.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane	114	C8H18	000111-65-9	81
2			Octane	114	C8H18	000111-65-9	76
3			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
5			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

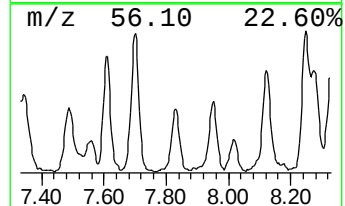
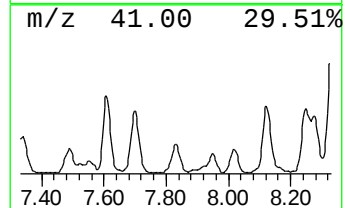
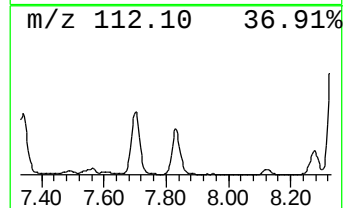
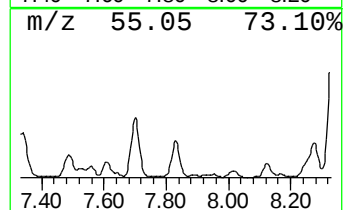
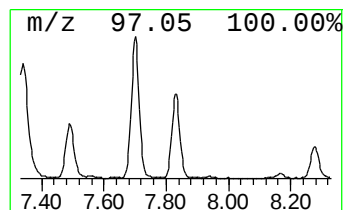
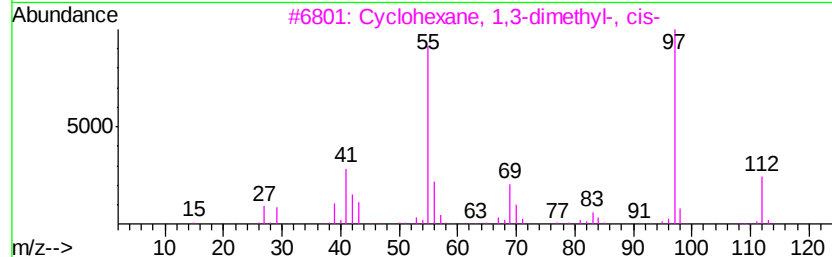
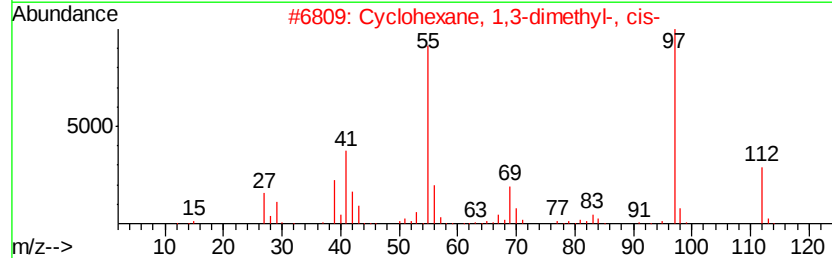
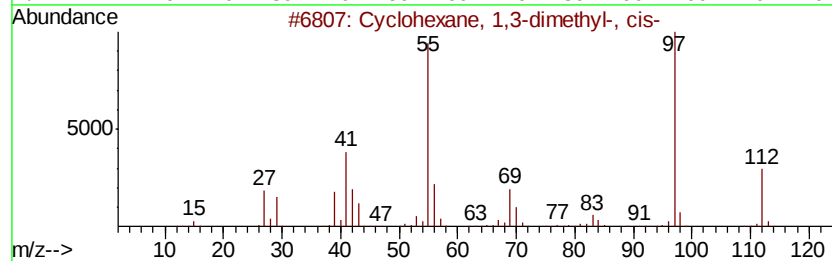
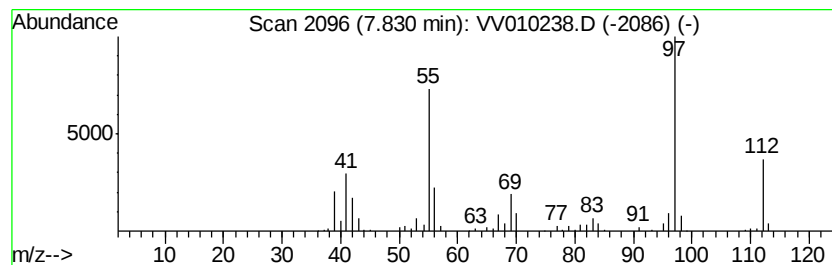
Instrument :
MSVOA_V
ClientSampleId :
DB6X4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 (DEL) Alkane: Cyclic7.83 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.		
7.83	7.57 ug/L	244734	Chlorobenzene-d5	8.89		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	91	
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90	
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90	
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87	
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	86	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

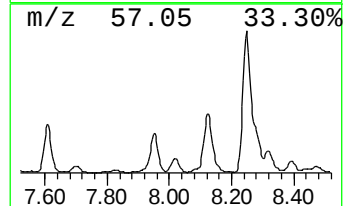
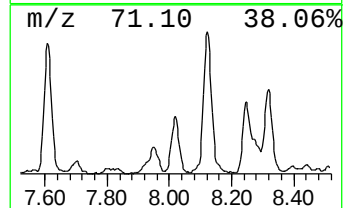
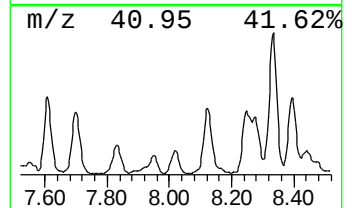
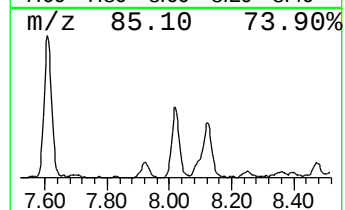
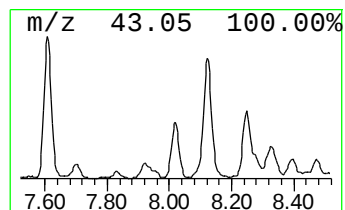
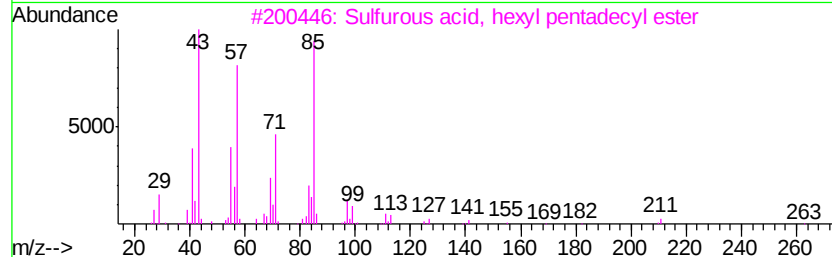
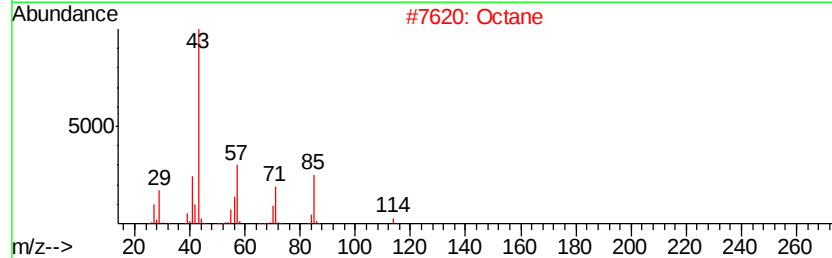
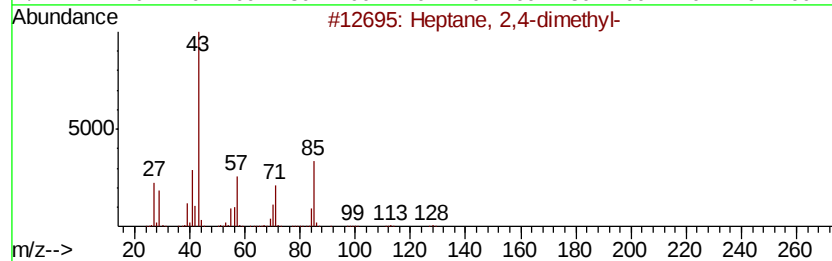
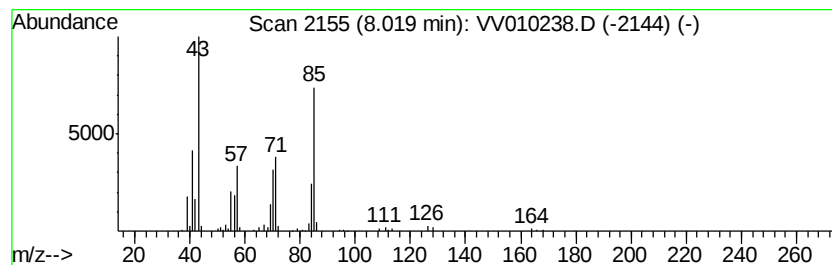
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	5.14 ug/L	166211	Chlorobenzene-d5	8.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	80
2			Octane	114	C8H18	000111-65-9	72
3			Sulfurous acid, hexyl pentadecyl...	376	C21H44O3S	1000309-13-7	64
4			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	62
5			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
DB6X4

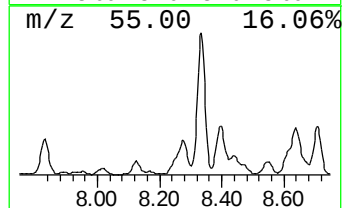
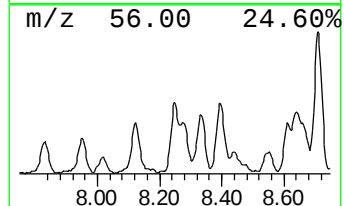
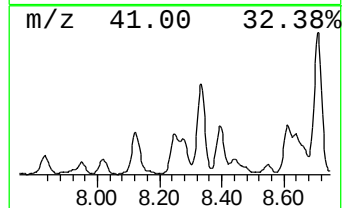
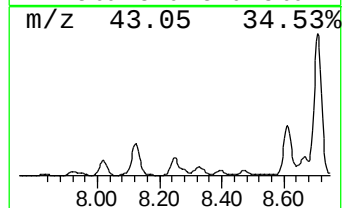
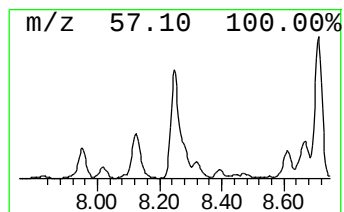
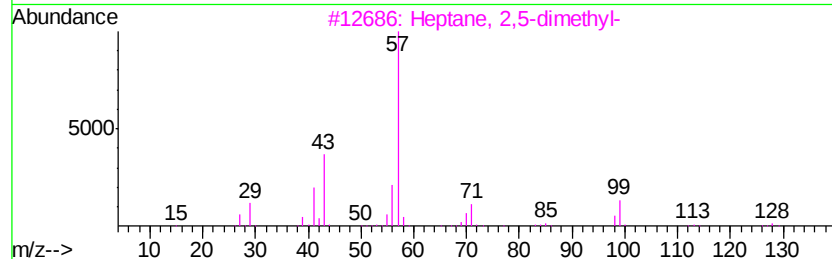
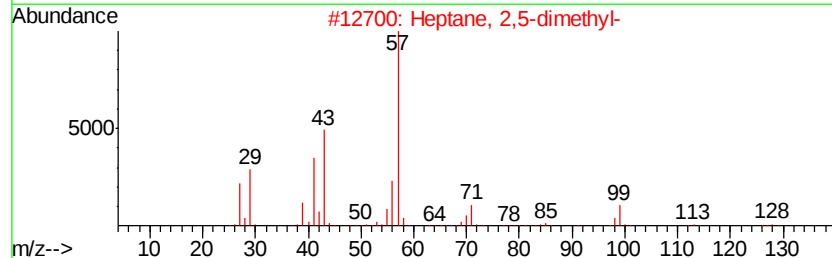
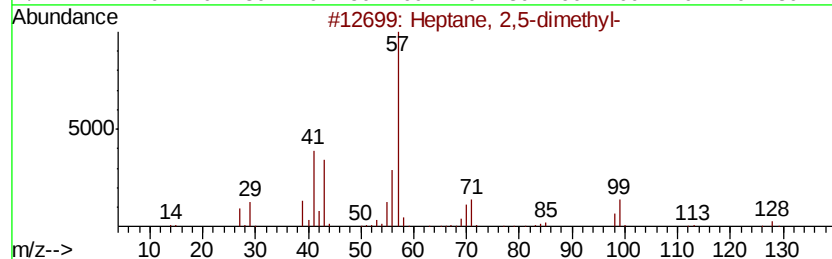
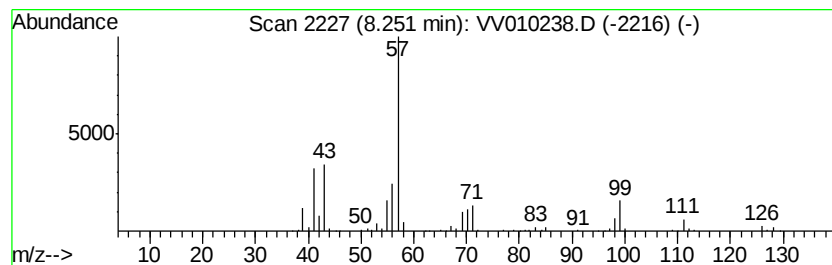
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	11.94 ug/L	385864	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
4		Octane, 3-methyl-	128	C9H20	002216-33-3	72
5		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

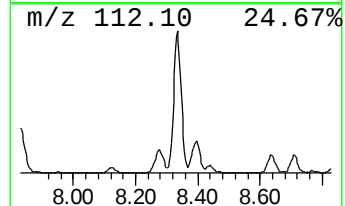
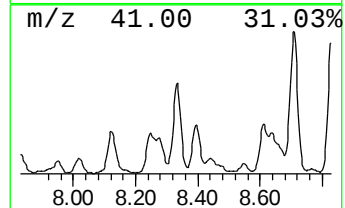
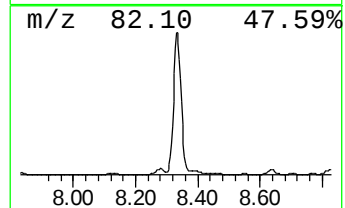
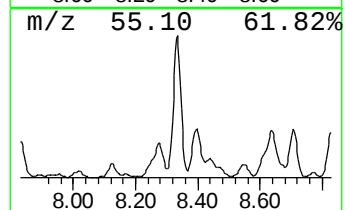
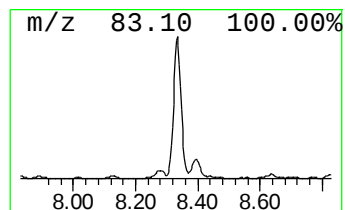
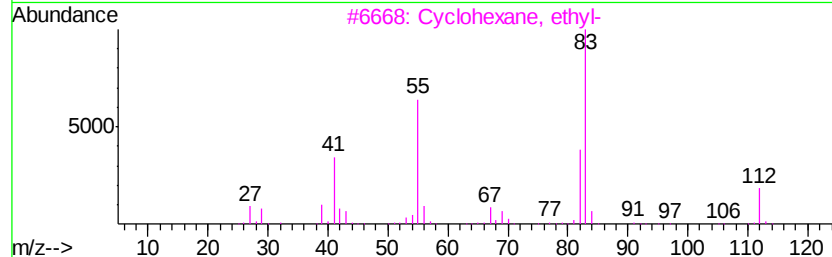
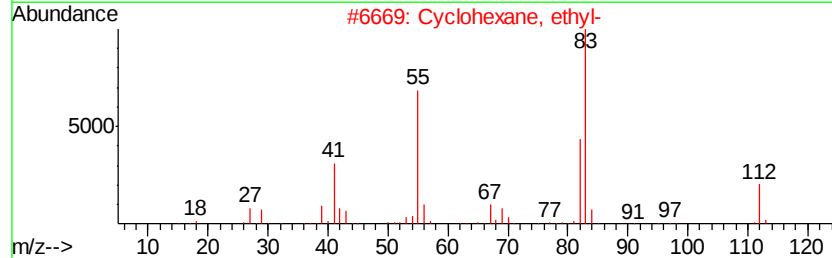
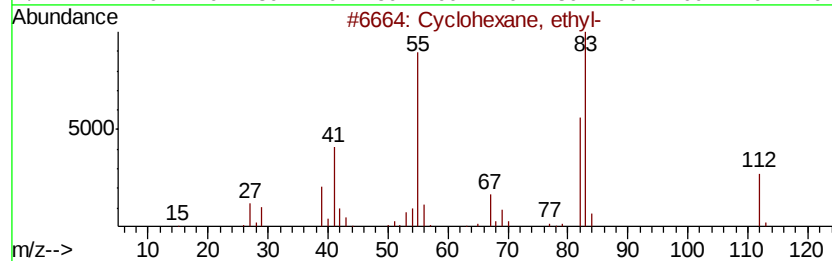
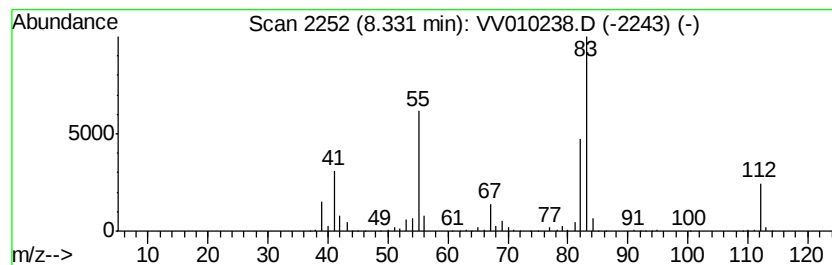
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 (DEL) Alkane: Cyclic8.33 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	29.16 ug/L	942765	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	93
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

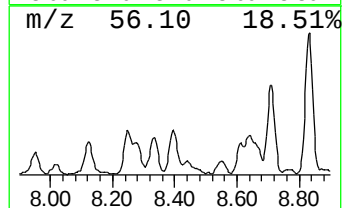
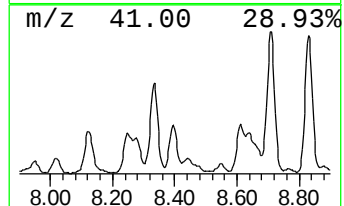
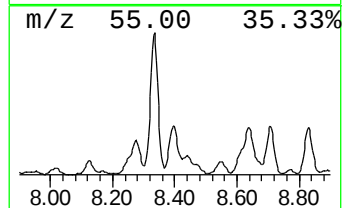
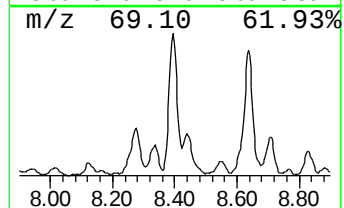
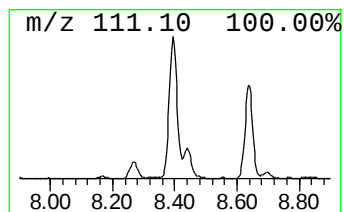
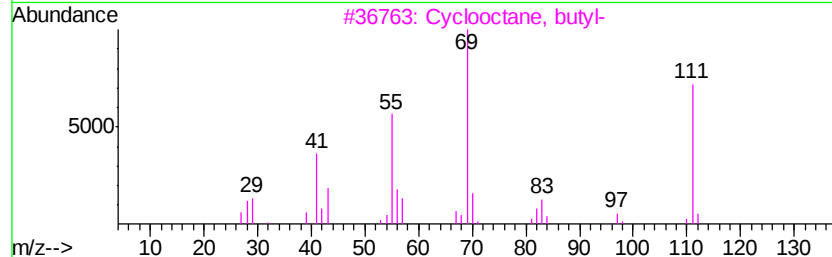
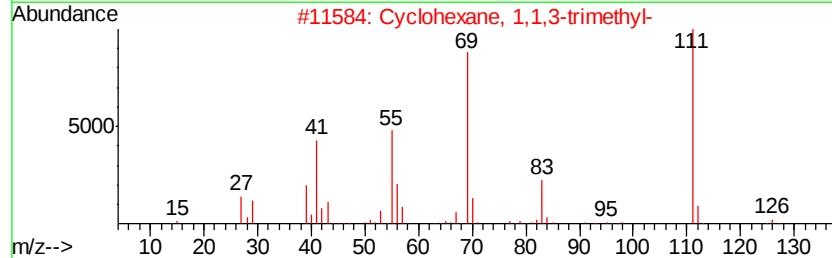
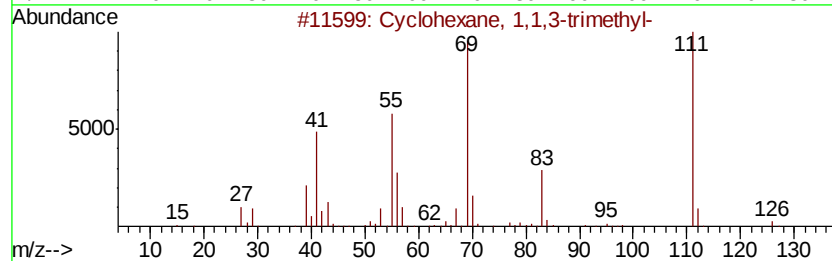
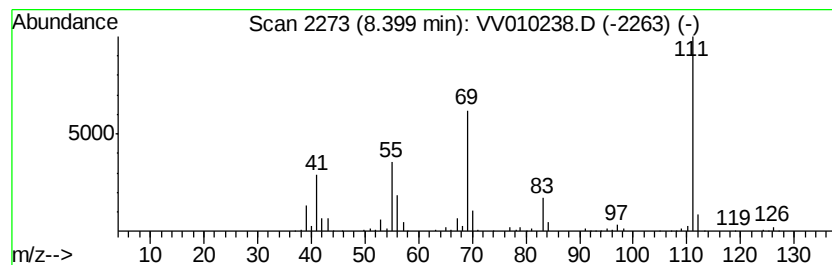
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 (DEL) Alkane: Cyclic8.40 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	16.77 ug/L	542201	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
3		Cyclooctane, butyl-	168	C12H24	016538-93-5	74
4		1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	72
5		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

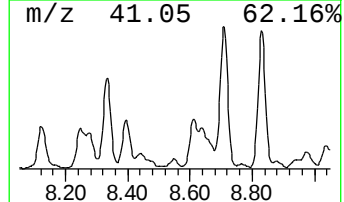
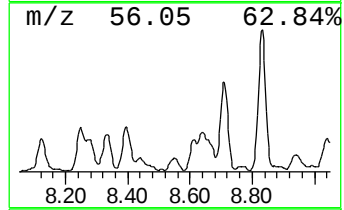
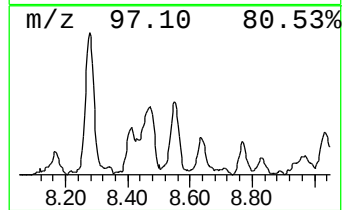
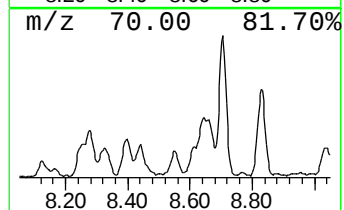
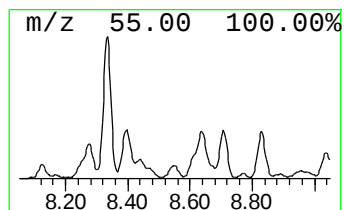
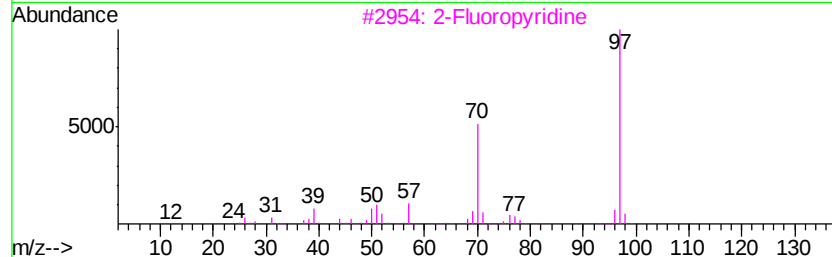
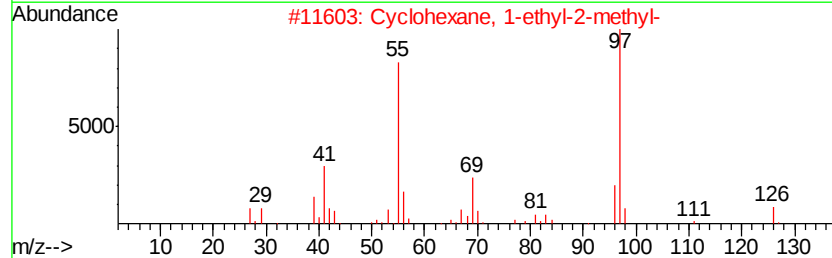
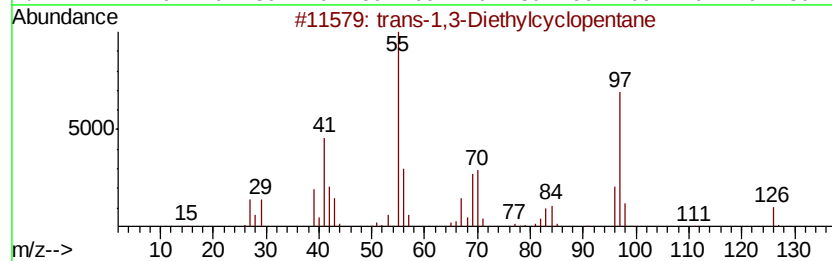
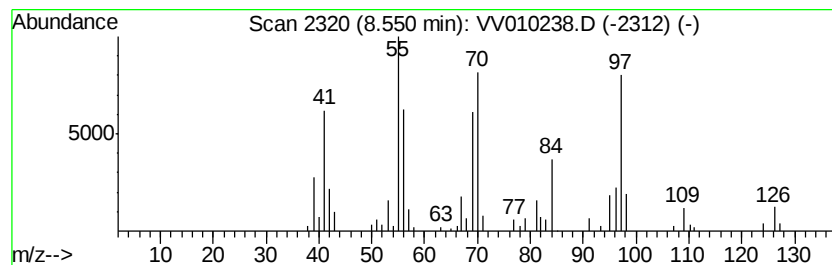
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 (DEL) Alkane: Cyclic8.55 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	2.69 ug/L	86884	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	49
2		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	43
3		2-Fluoropyridine	97	C5H4FN	000372-48-5	43
4		Cyclopentane, ethyl-	98	C7H14	001640-89-7	43
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

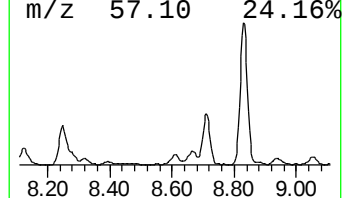
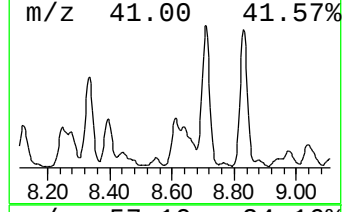
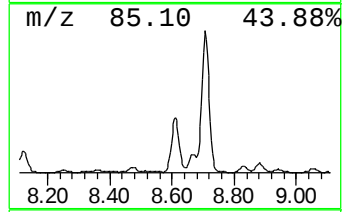
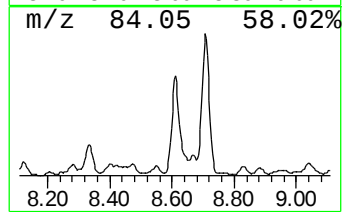
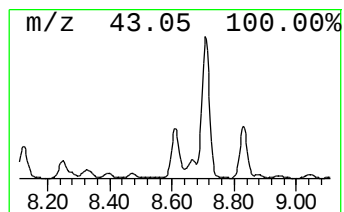
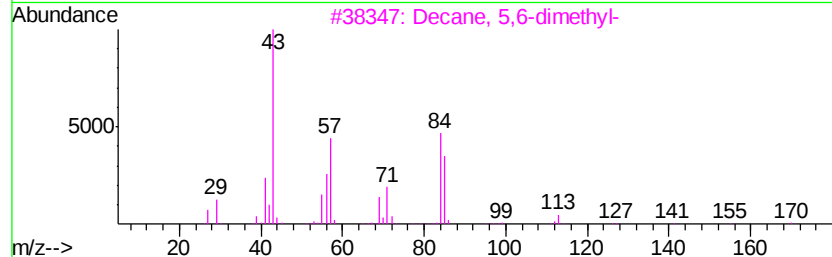
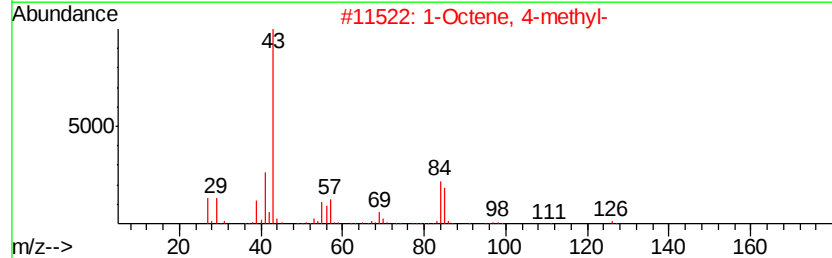
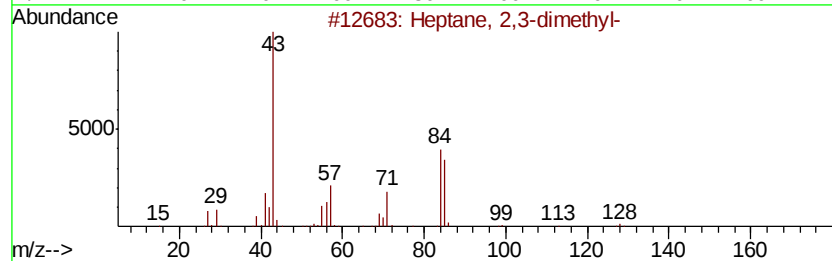
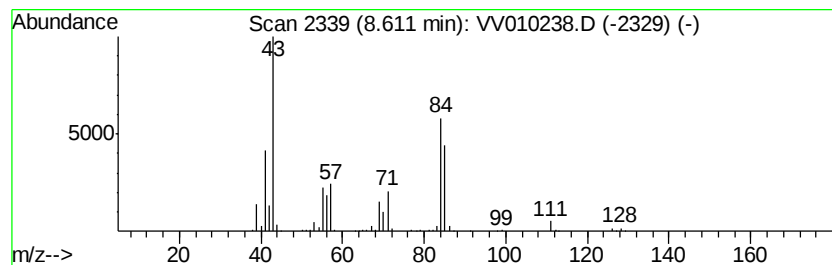
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	13.96 ug/L	451310	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	87
2		1-Octene, 4-methyl-	126	C9H18	013151-12-7	81
3		Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	78
4		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	68
5		Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

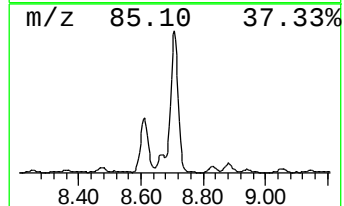
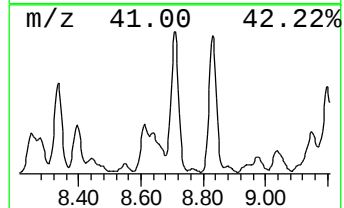
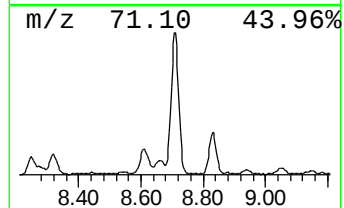
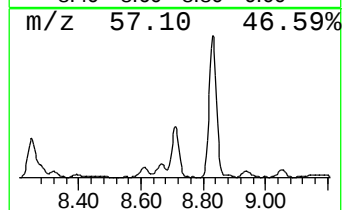
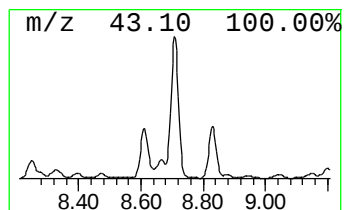
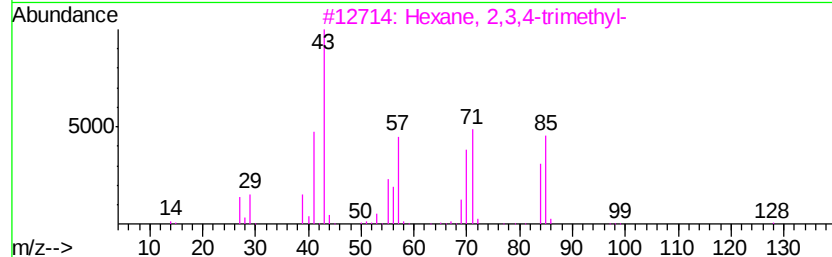
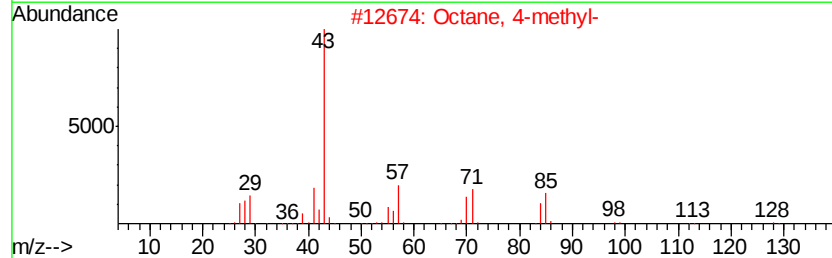
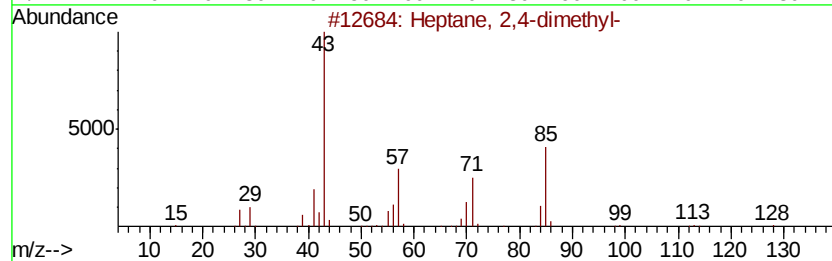
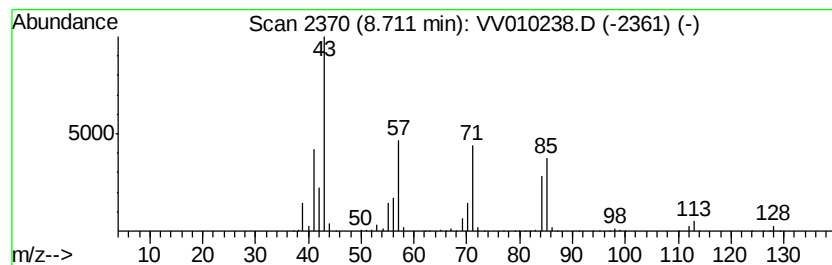
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	42.57 ug/L	1376420	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
2		Octane, 4-methyl-	128	C9H20	002216-34-4	72
3		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
4		Ether, hexyl pentyl	172	C11H24O	032357-83-8	59
5		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

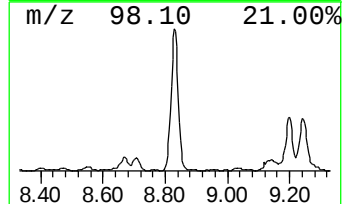
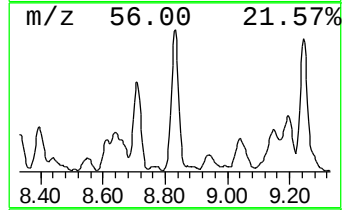
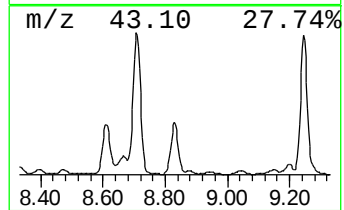
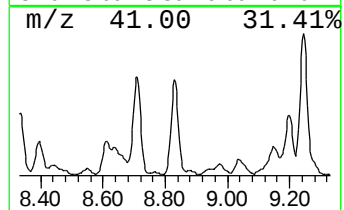
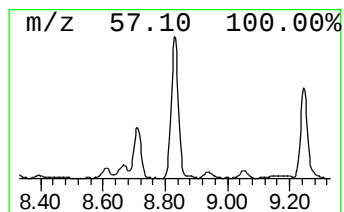
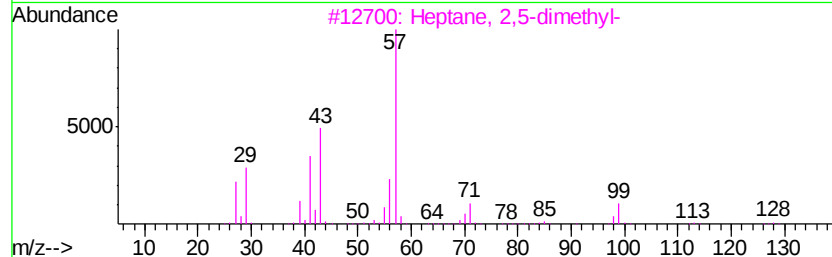
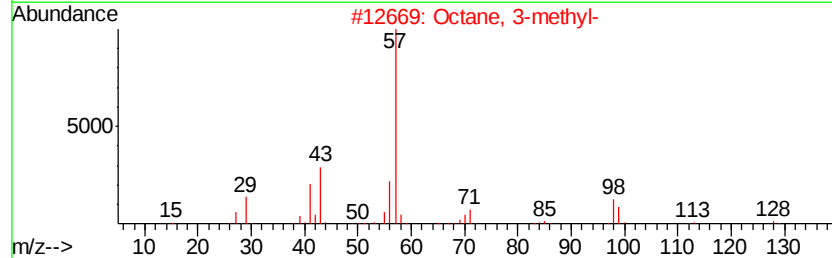
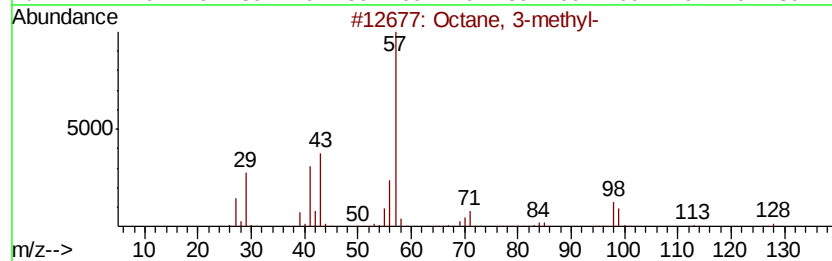
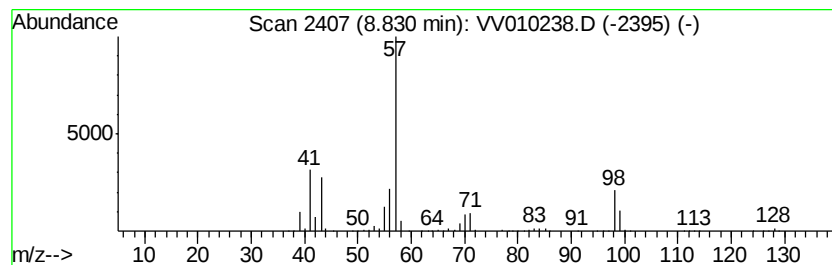
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	37.13 ug/L	1200430	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2		Octane, 3-methyl-	128	C9H20	002216-33-3	83
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	76
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

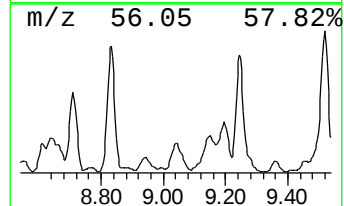
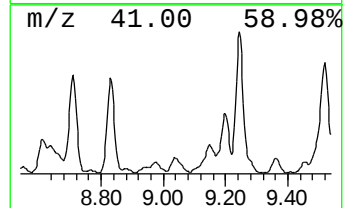
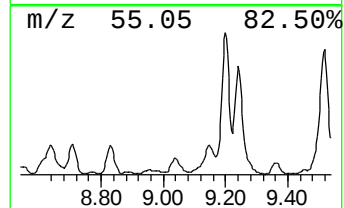
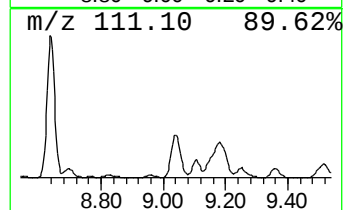
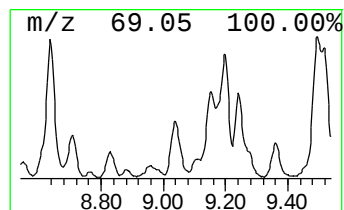
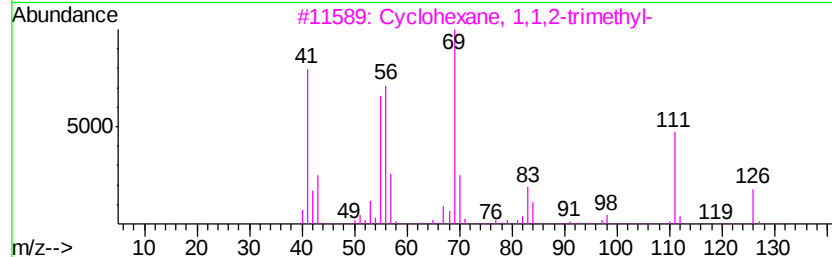
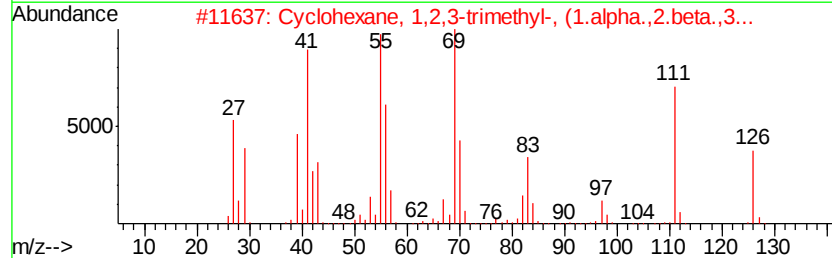
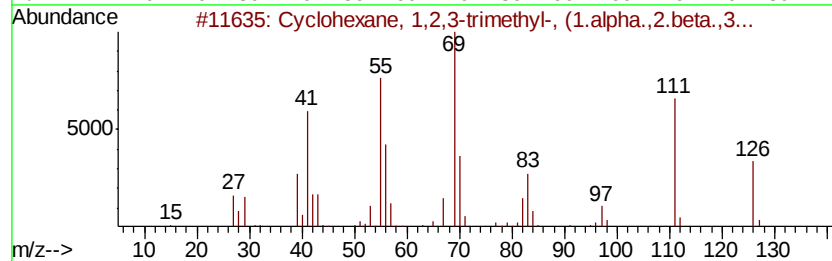
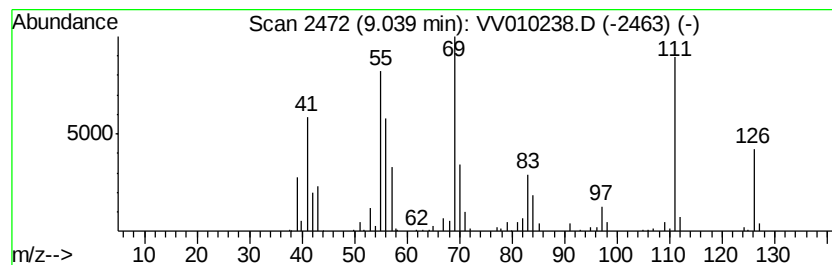
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 31 (DEL) Alkane: Cyclic9.04 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.04	9.71 ug/L	313956	Chlorobenzene-d5	8.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	93
2			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	91
3			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	90
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

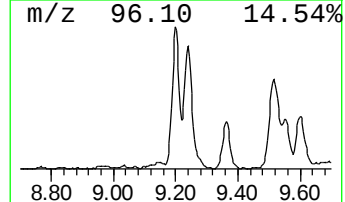
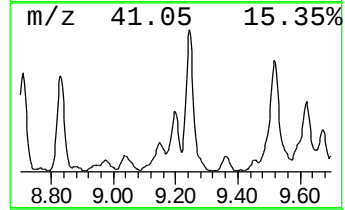
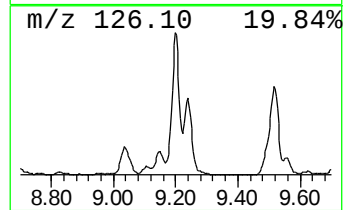
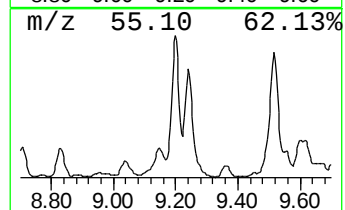
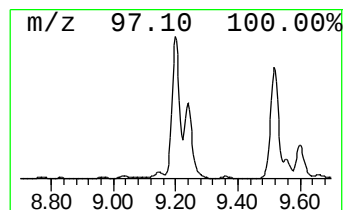
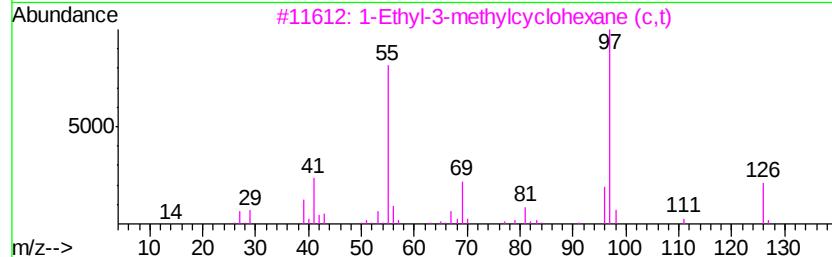
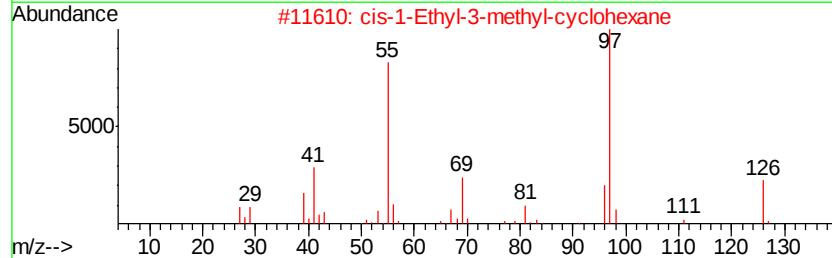
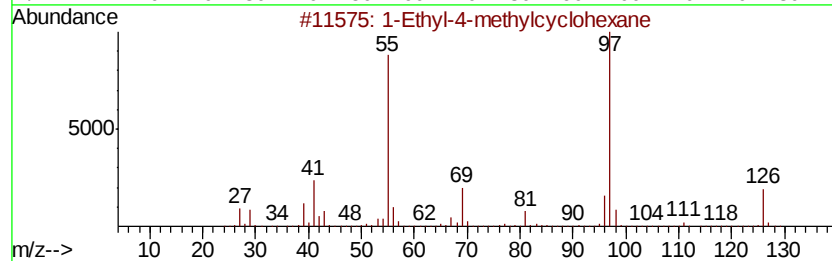
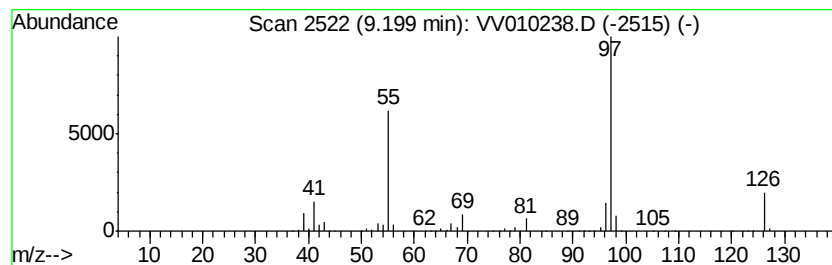
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 32 (DEL) Alkane: Cyclic9.20 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	24.49 ug/L	791916	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
2		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	78
3		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	78
4		Furan, 2,3-dihydro-4-(1-methylpr...	126	C8H14O	034379-54-9	72
5		4-Octen-3-one	126	C8H14O	014129-48-7	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

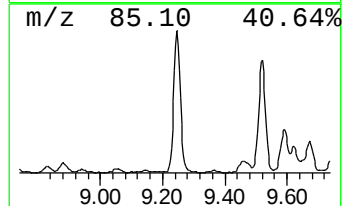
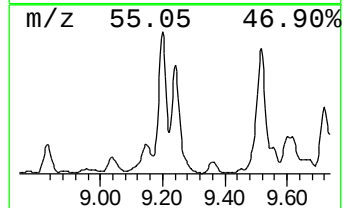
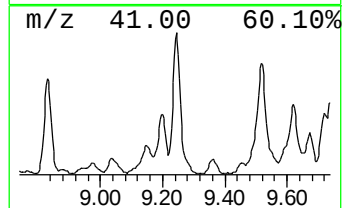
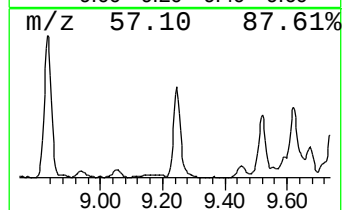
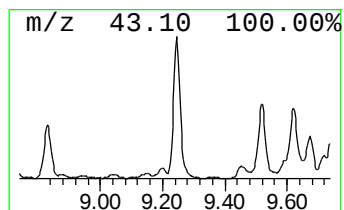
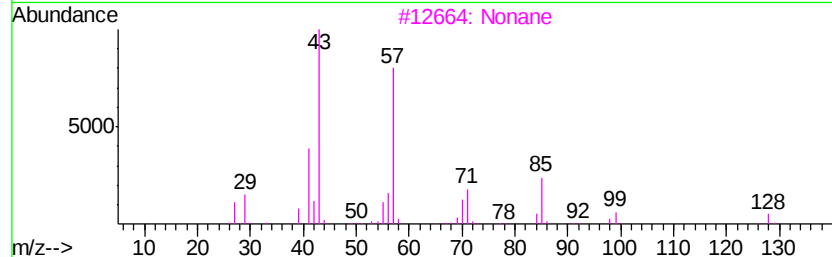
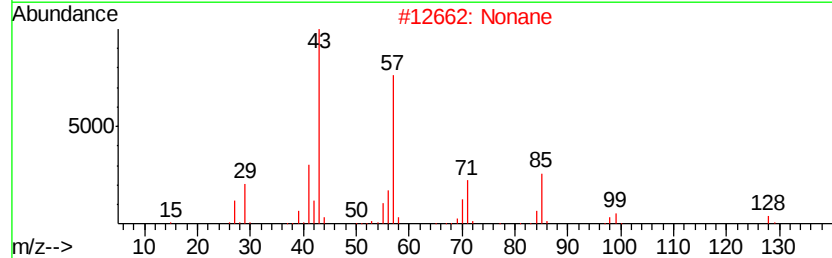
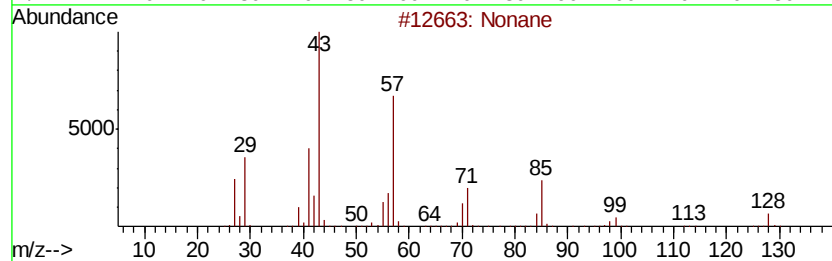
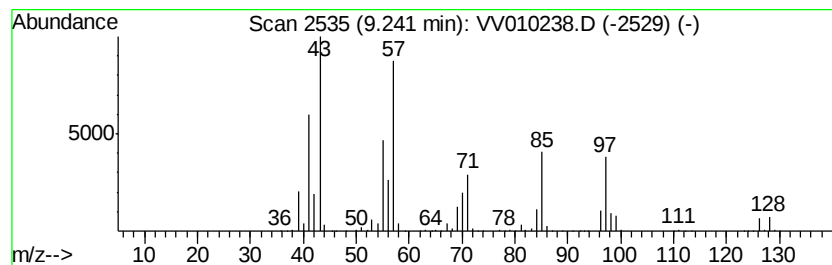
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	68.14 ug/L	2202990	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane	128	C9H20	000111-84-2	91
2		Nonane	128	C9H20	000111-84-2	87
3		Nonane	128	C9H20	000111-84-2	53
4		11-Tricosene	322	C23H46	052078-56-5	47
5		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

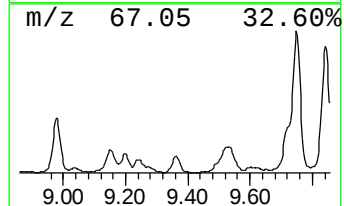
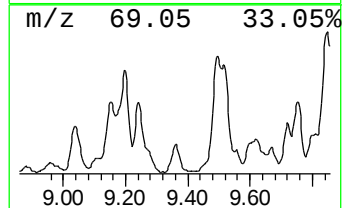
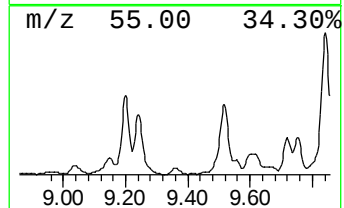
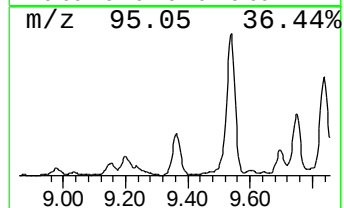
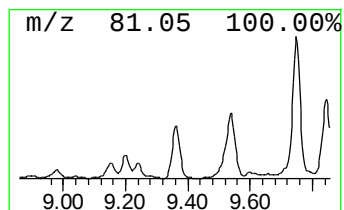
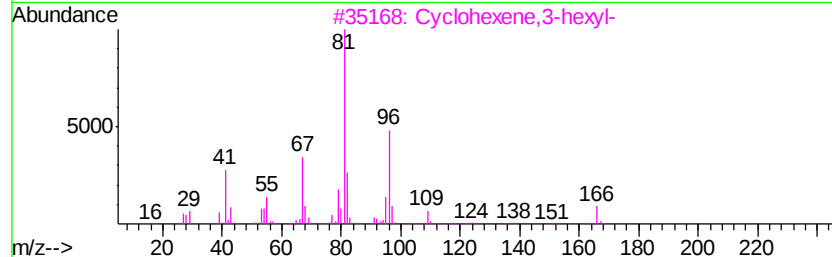
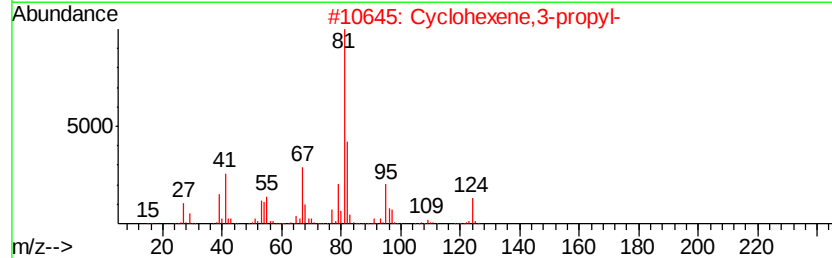
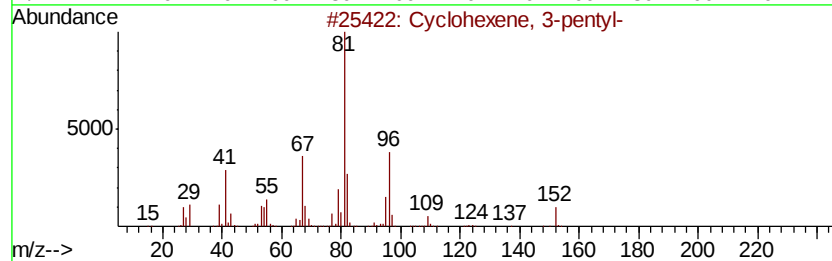
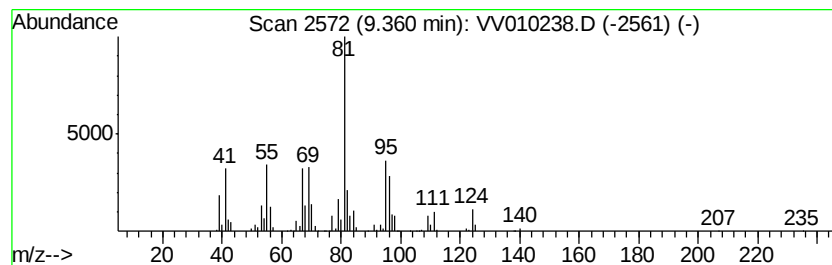
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 34 Cyclohexene, 3-pentyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	11.99 ug/L	387567	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 3-pentyl-	152	C11H20	015232-92-5	64
2		Cyclohexene,3-propyl-	124	C9H16	003983-06-0	53
3		Cyclohexene,3-hexyl-	166	C12H22	015232-78-7	53
4		Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	53
5		Cyclohexene, 3-heptyl-	180	C13H24	015232-93-6	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

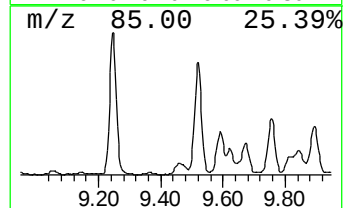
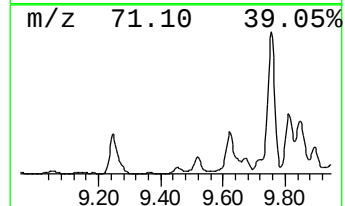
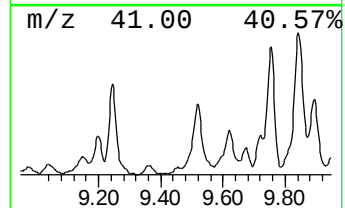
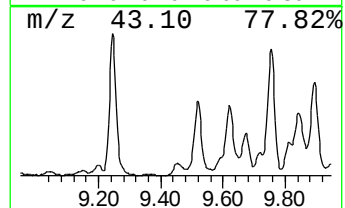
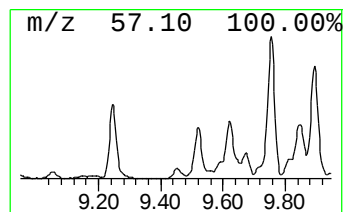
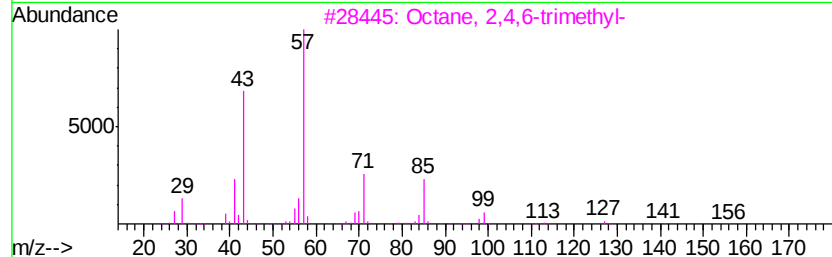
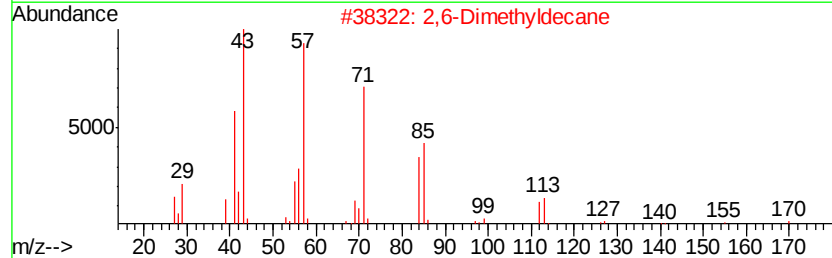
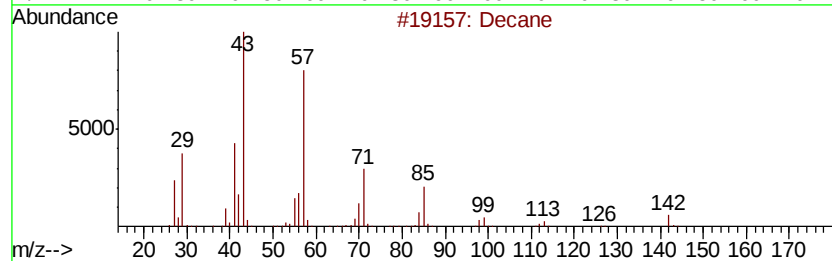
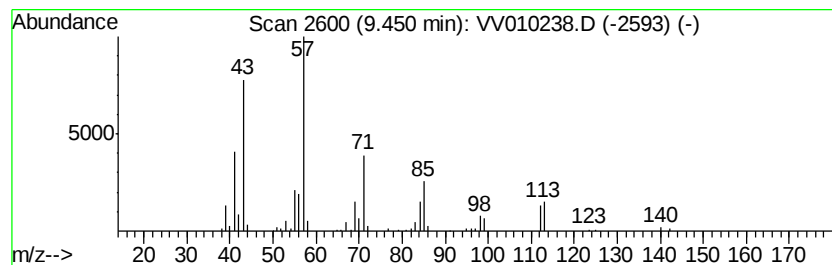
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	4.37 ug/L	141274	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	72
2		2,6-Dimethyldecane	170	C12H26	013150-81-7	72
3		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	53
4		Pentadecane	212	C15H32	000629-62-9	53
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

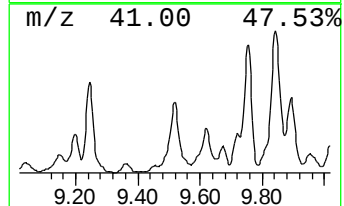
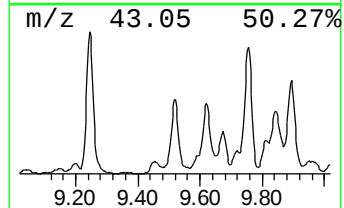
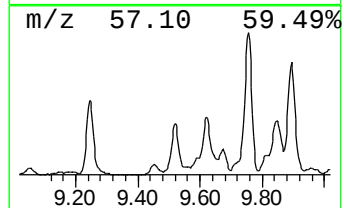
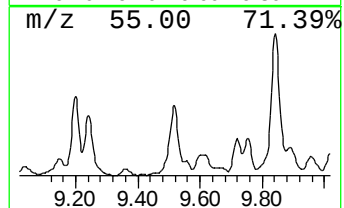
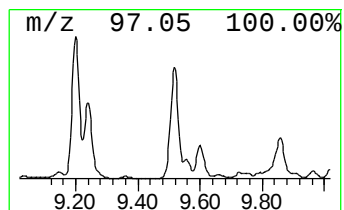
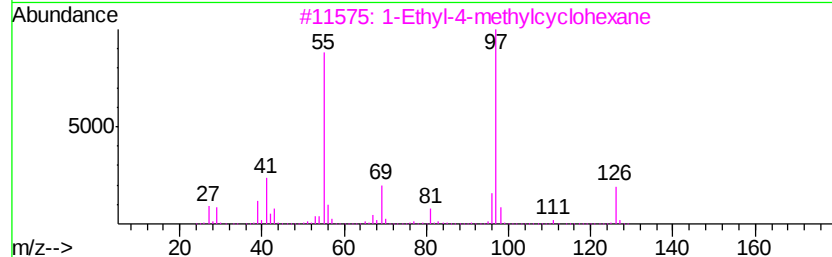
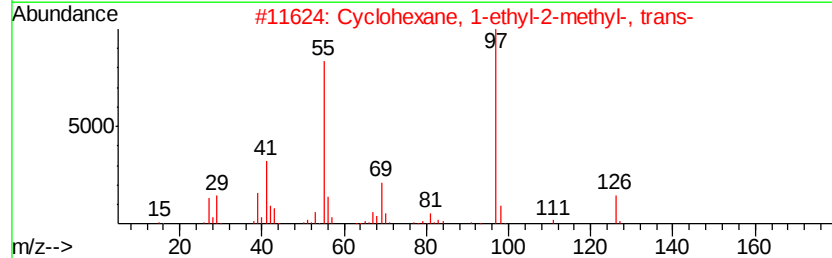
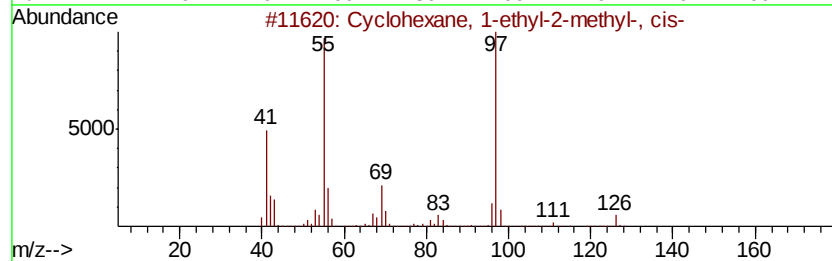
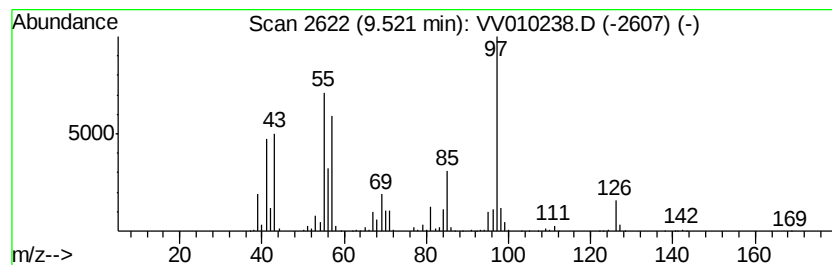
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 36 (DEL) Alkane: Cyclic9.52 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	71.43 ug/L	2309410	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	76
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	70
3		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	62
4		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	58
5		4-Octen-3-one	126	C8H14O	014129-48-7	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
DB6X4

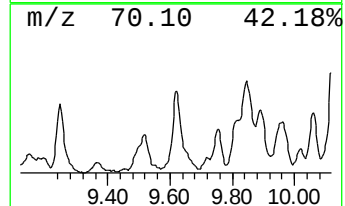
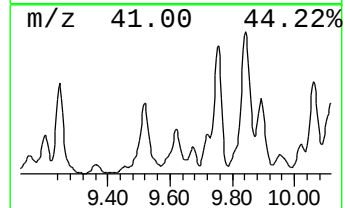
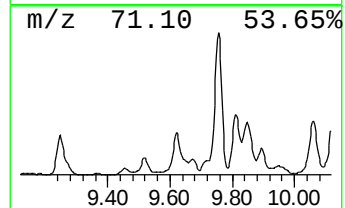
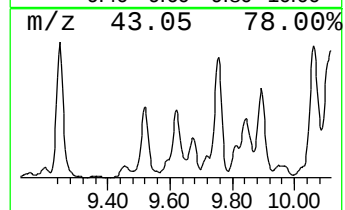
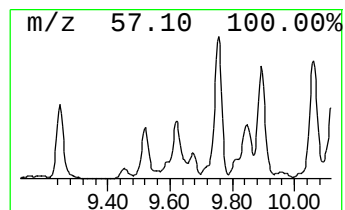
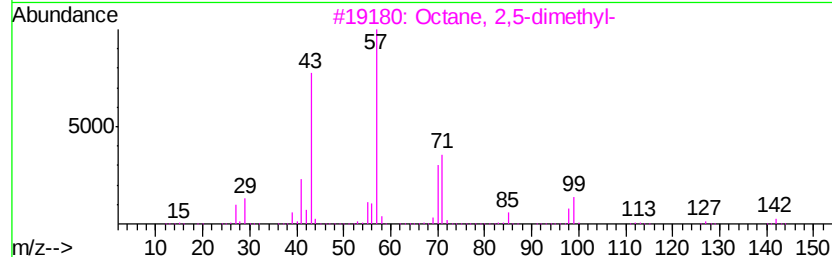
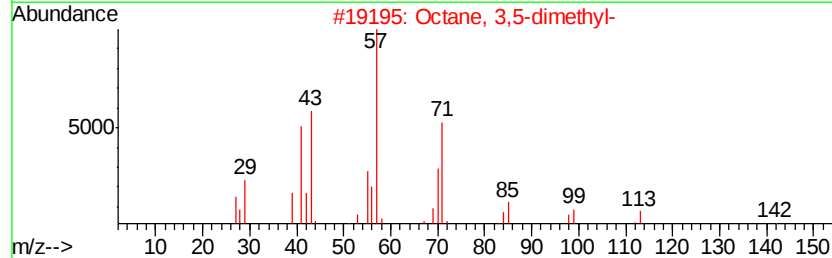
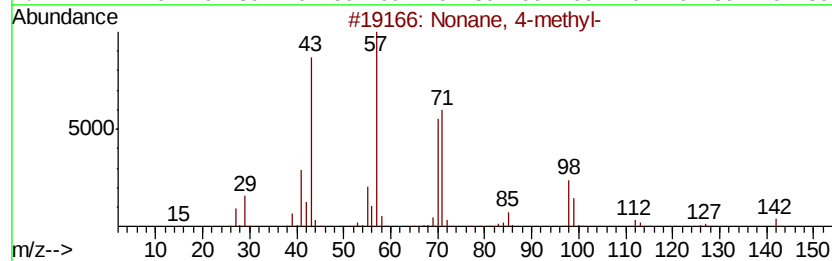
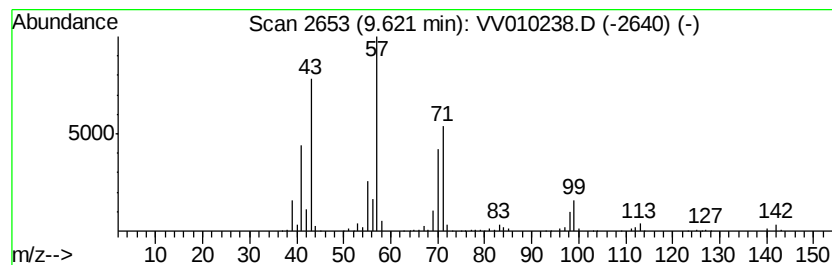
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	30.33 ug/L	980436	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	87
2		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	72
3		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	72
4		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	72
5		Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

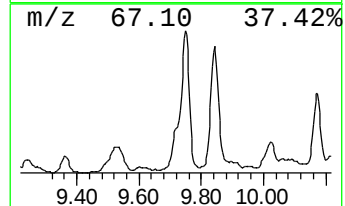
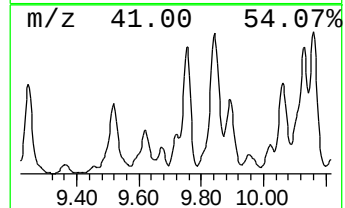
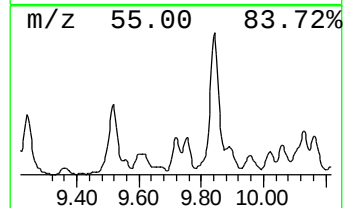
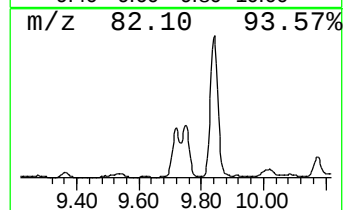
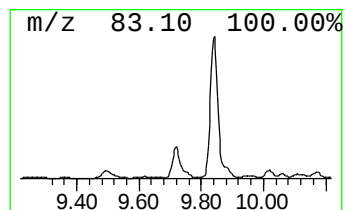
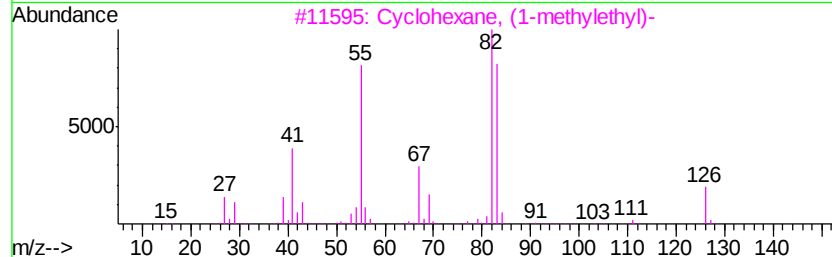
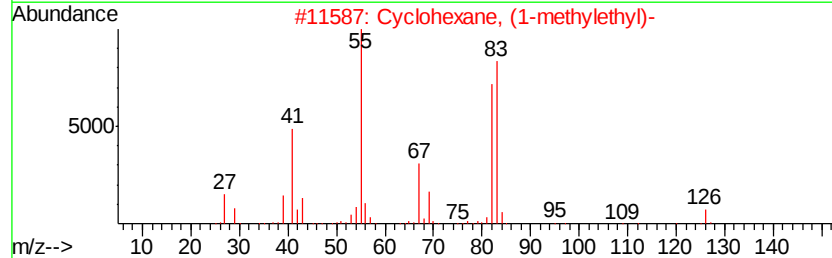
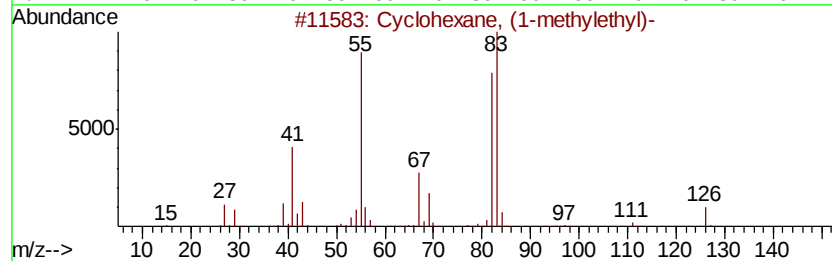
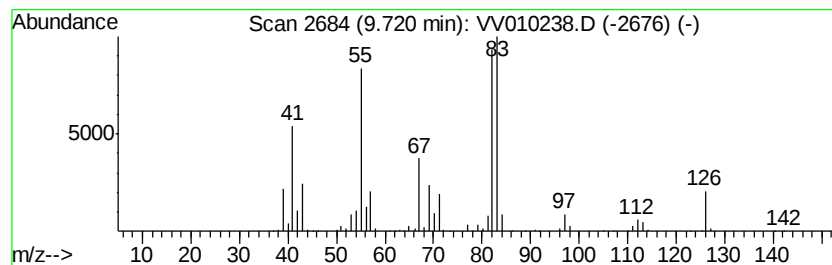
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 38 (DEL) Alkane: Cyclic9.72 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	17.62 ug/L	569554	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	93
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	93
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	90
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	90
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

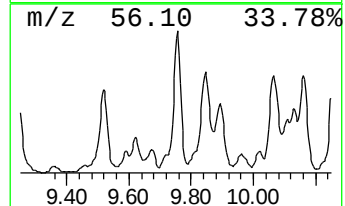
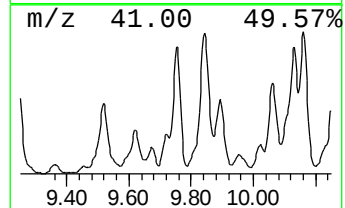
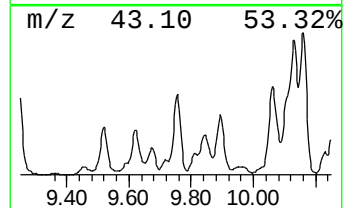
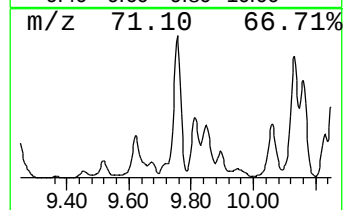
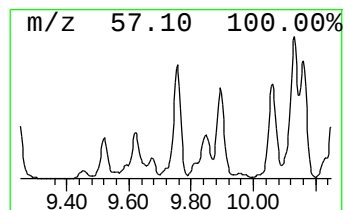
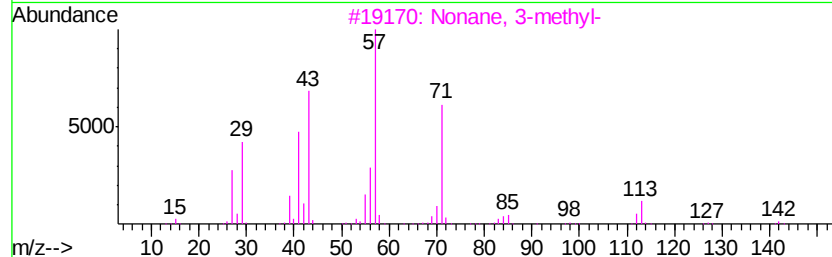
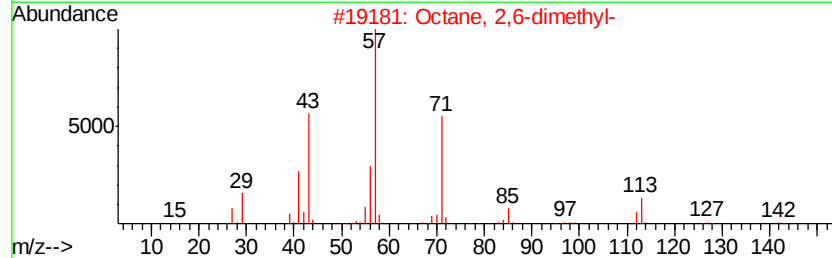
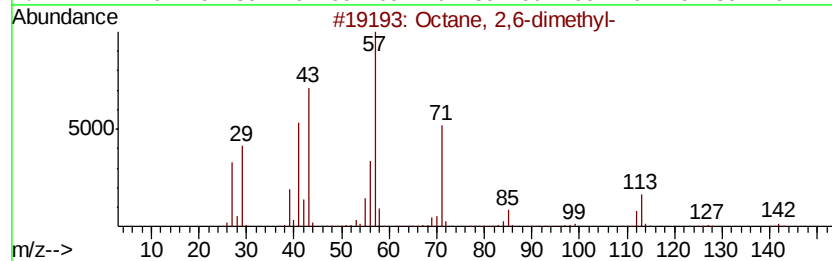
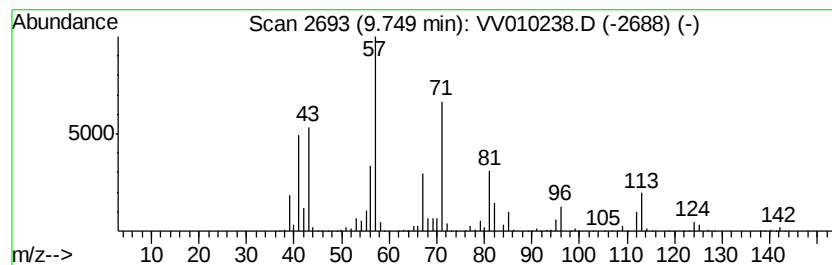
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	83.90 ug/L	2712600	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	76
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	76
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	68
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

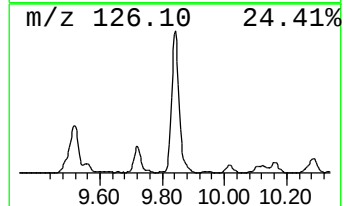
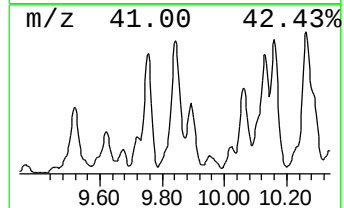
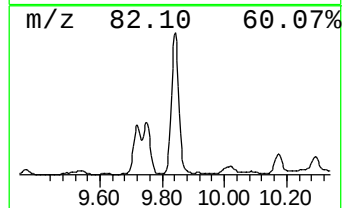
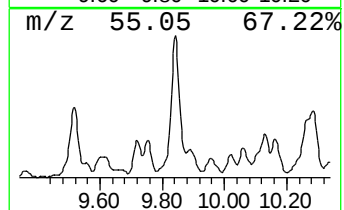
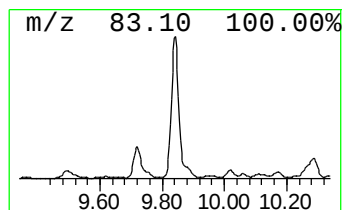
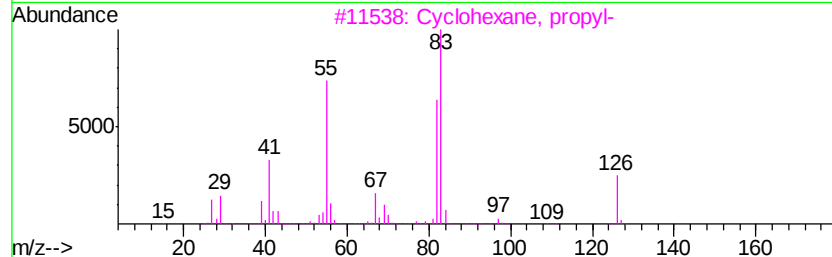
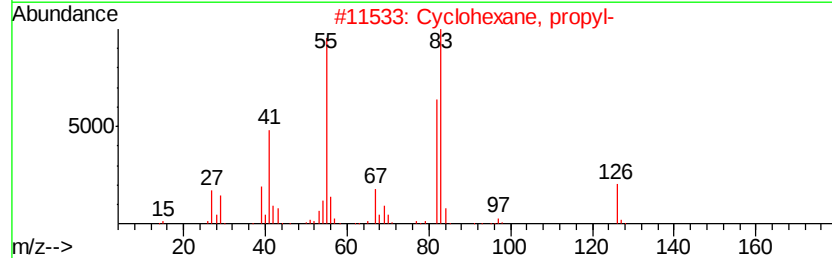
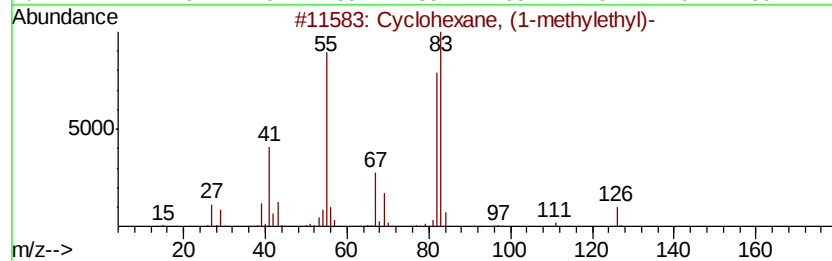
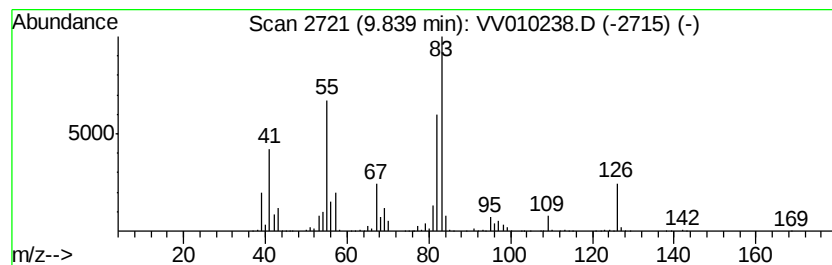
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 40 (DEL) Alkane: Cyclic9.84 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	81.38 ug/L	2630970	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	87
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	81
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	81
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

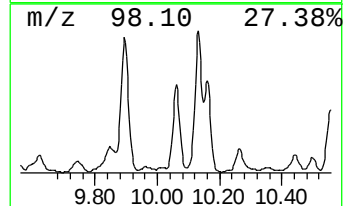
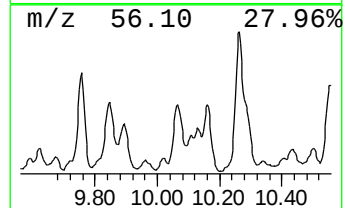
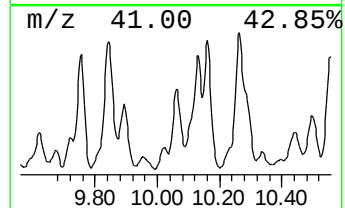
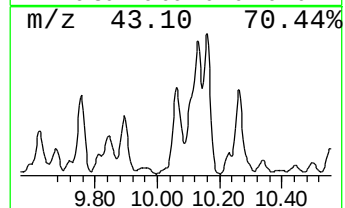
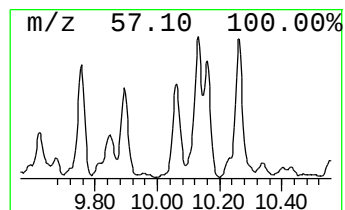
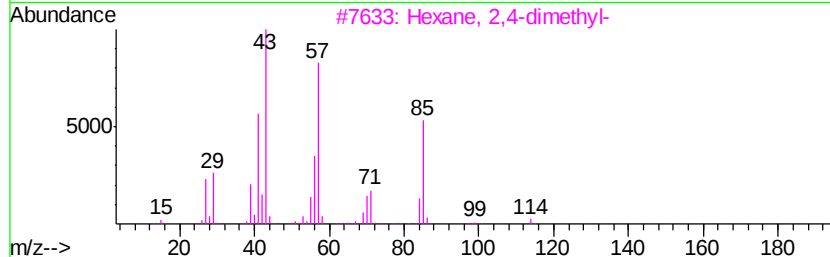
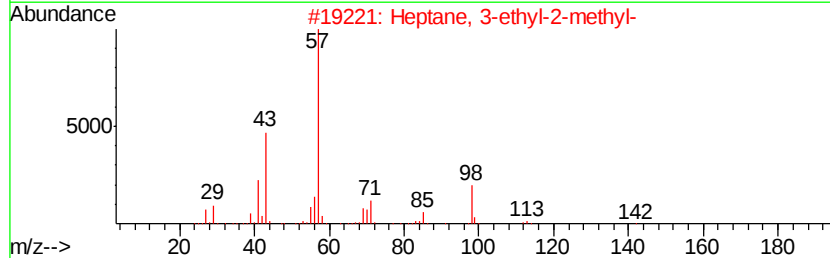
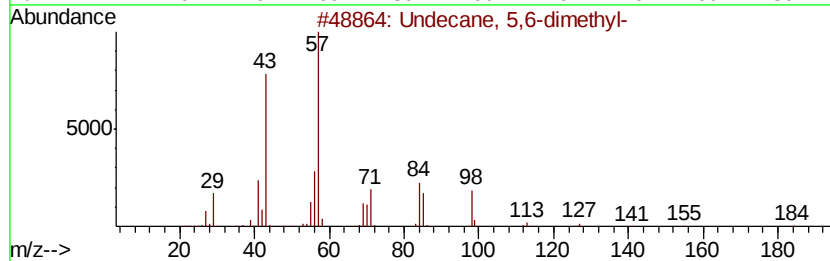
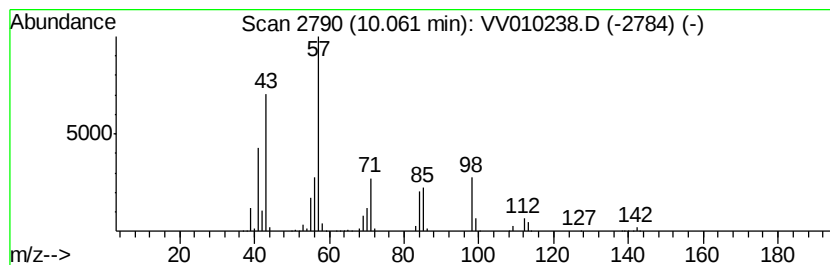
Instrument :
MSVOA_V
ClientSampleId :
DB6X4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.06	40.08 ug/L	1295930	Chlorobenzene-d5	8.89		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	64	
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47	
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	46	
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43	
5	Heptane, 4-propyl-	142	C10H22	003178-29-8	43	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

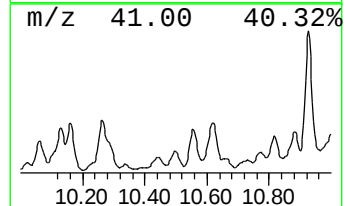
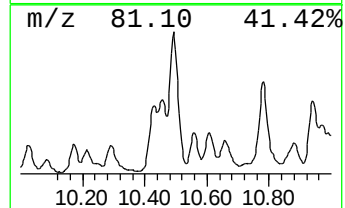
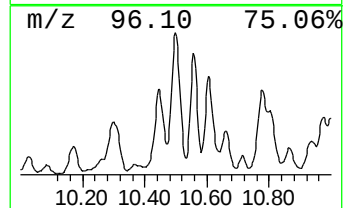
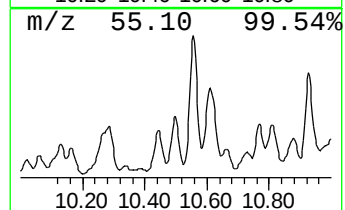
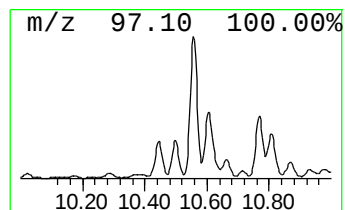
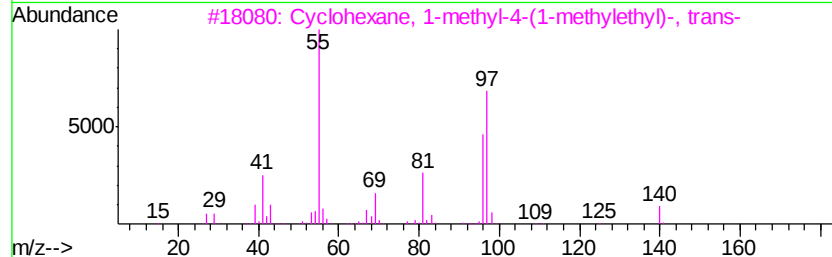
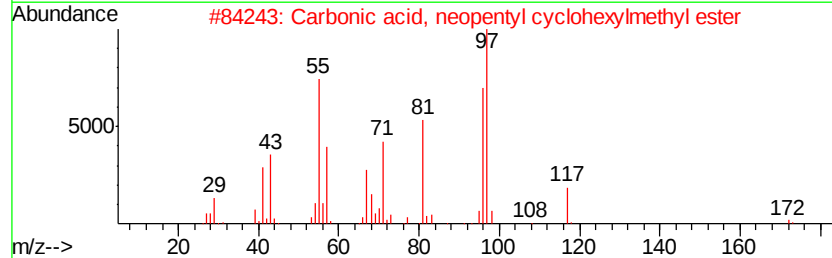
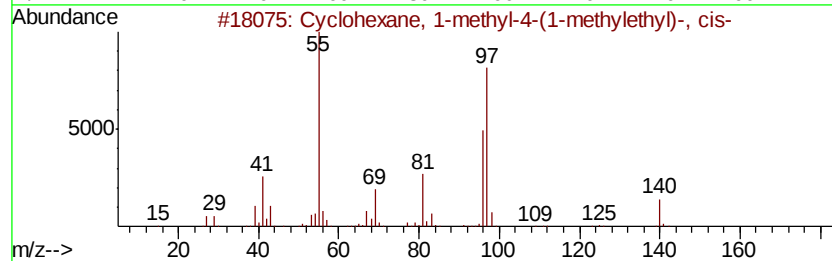
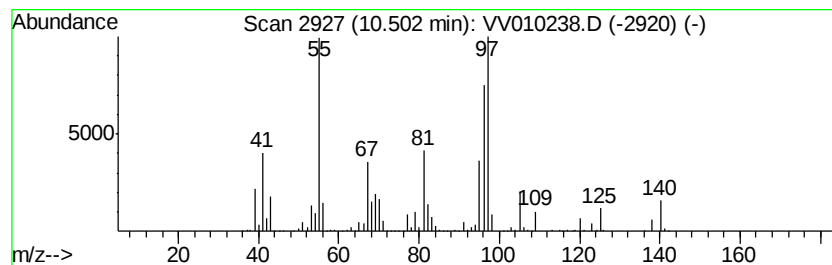
Instrument :
MSVOA_V
ClientSampleId :
DB6X4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 42 (DEL) Alkane: Cyclic10.50 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	21.31 ug/L	1602460	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1-methyl-4-(1-methy...	140 C10H20	006069-98-3 70
2		Carbonic acid, neopentyl cyclohe...	228 C13H24O3	1000357-85-8 64
3		Cyclohexane, 1-methyl-4-(1-methy...	140 C10H20	001678-82-6 60
4		Cyclohexane, 1-methyl-4-(1-methy...	140 C10H20	001678-82-6 58
5		Cyclohexane, 1-methyl-4-(1-methy...	140 C10H20	001678-82-6 58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

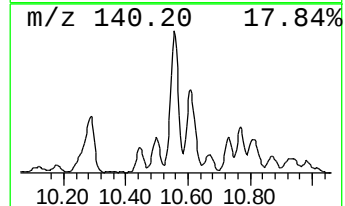
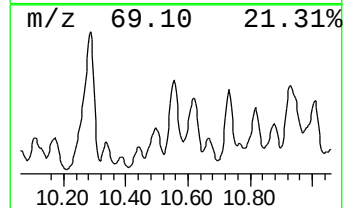
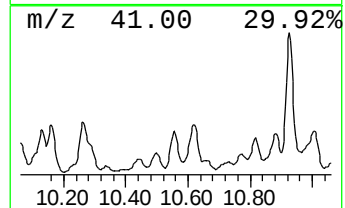
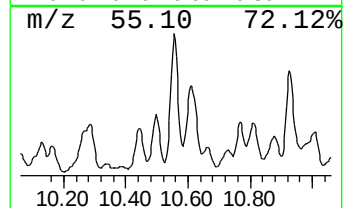
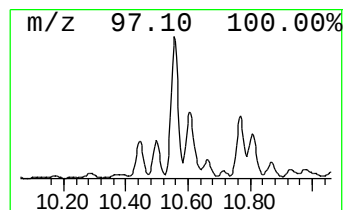
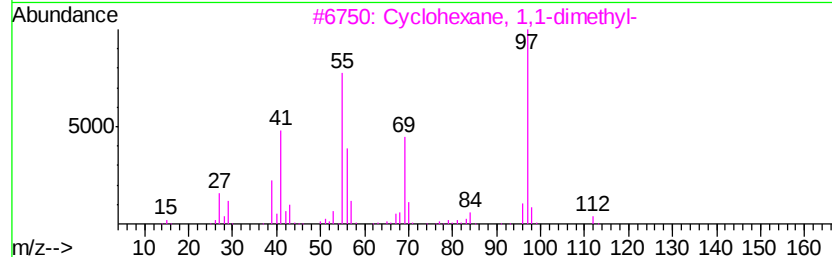
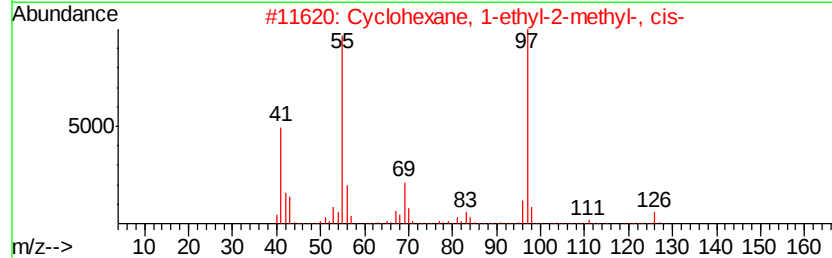
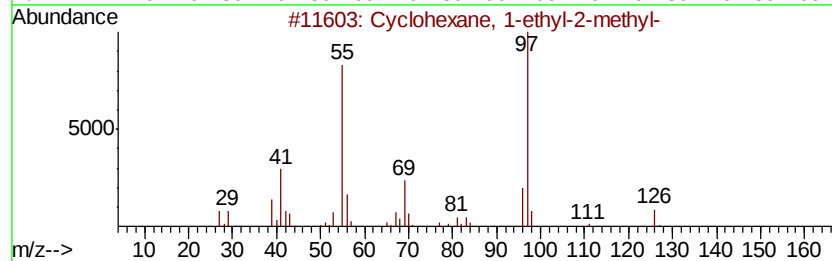
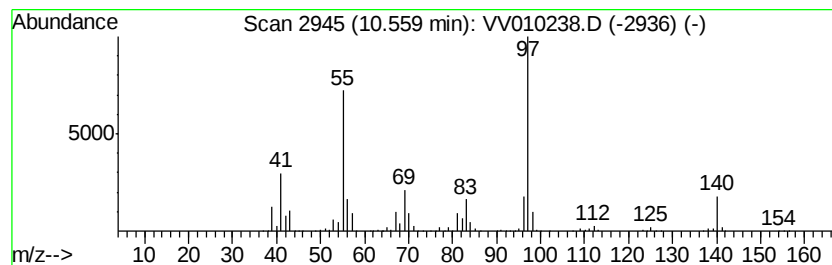
Instrument :
MSVOA_V
ClientSampleId :
DB6X4

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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 43 (DEL) Alkane: Cyclic10.56 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.56	41.66 ug/L	3132230	1,4-Dichlorobenzene-d4	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	86
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	83
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	72
4	3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	72
5	Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

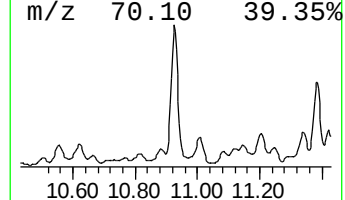
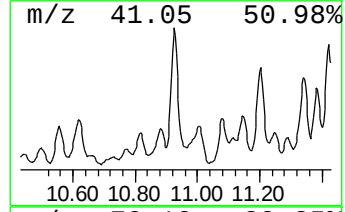
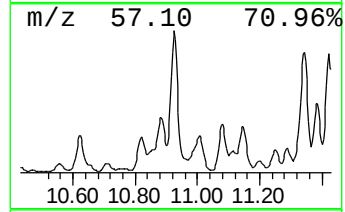
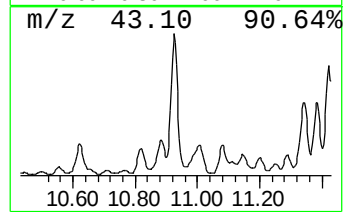
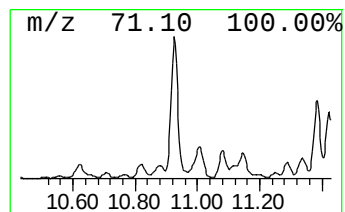
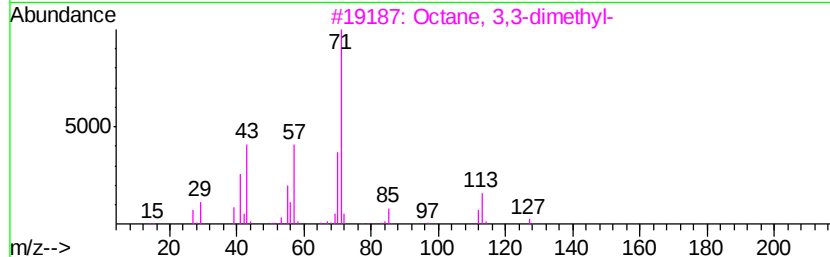
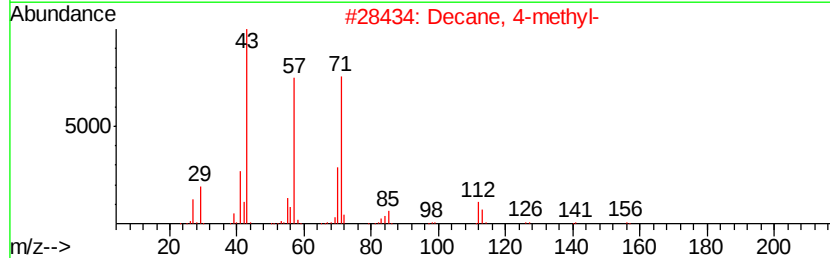
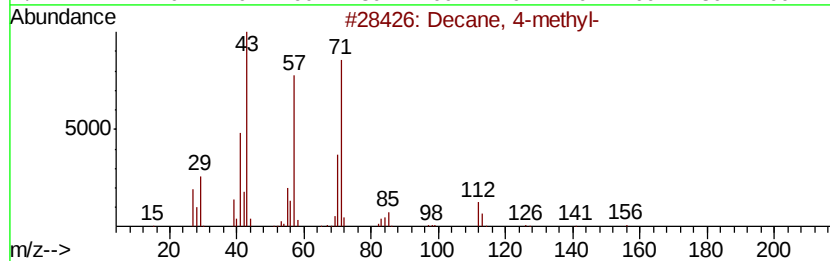
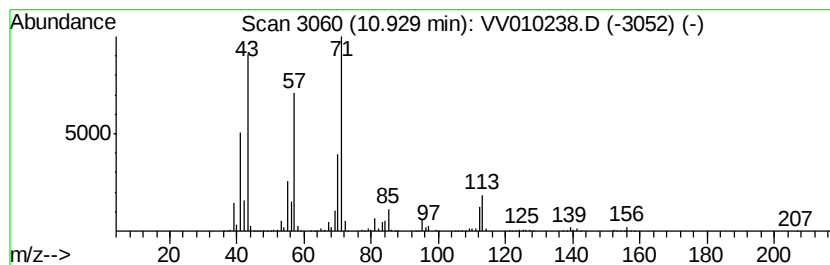
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	100.92 ug/L	7587360	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	90
2		Decane, 4-methyl-	156	C11H24	002847-72-5	86
3		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	83
4		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	81
5		Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

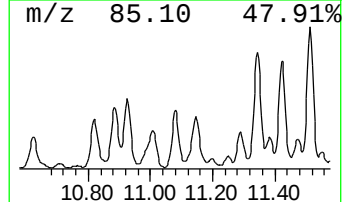
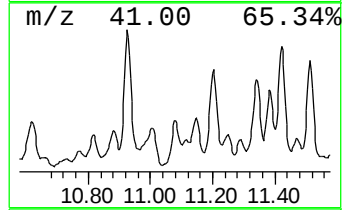
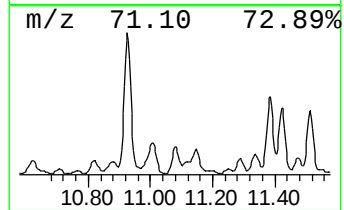
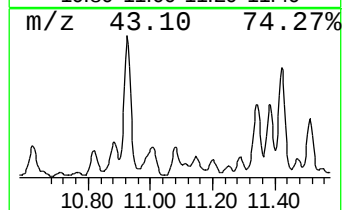
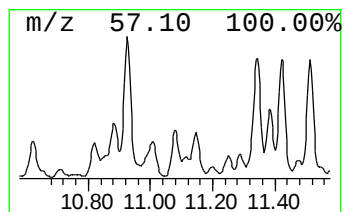
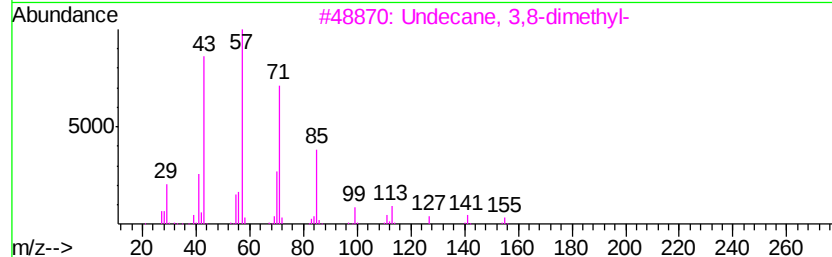
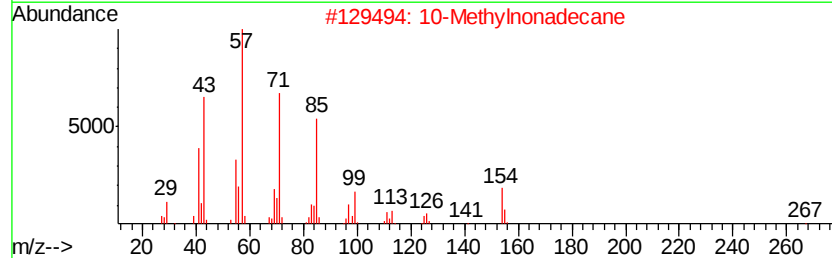
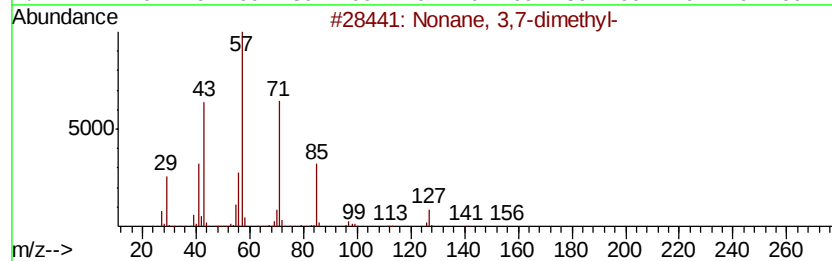
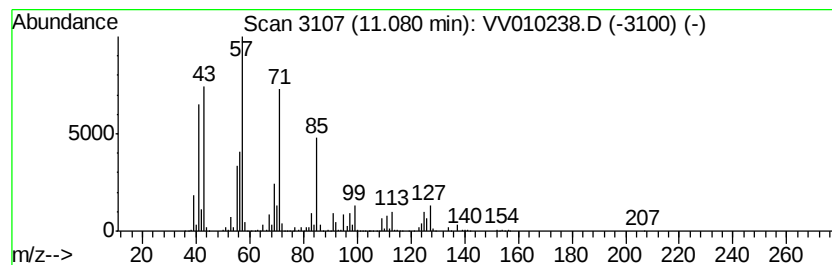
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	33.08 ug/L	2487370	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	81
2		10-Methylnonadecane	282	C20H42	056862-62-5	58
3		Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	53
4		Undecane, 3-methyl-	170	C12H26	001002-43-3	53
5		Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

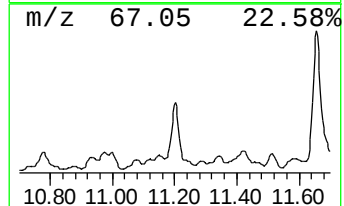
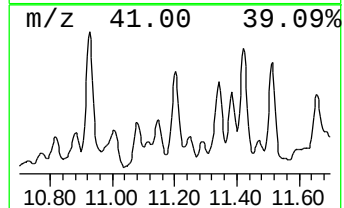
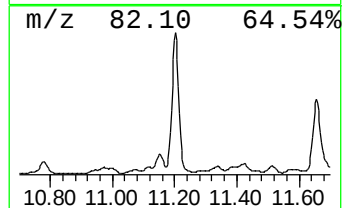
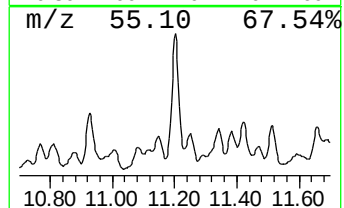
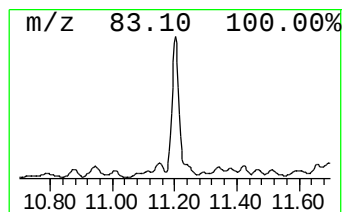
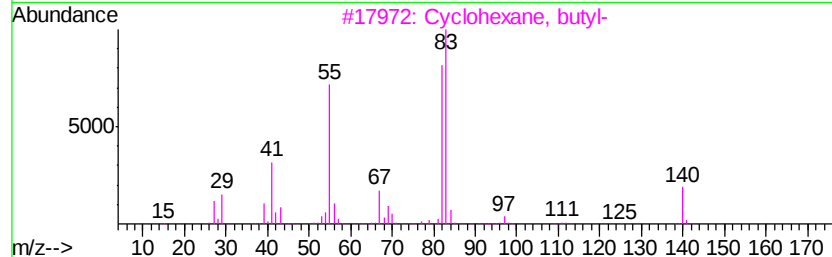
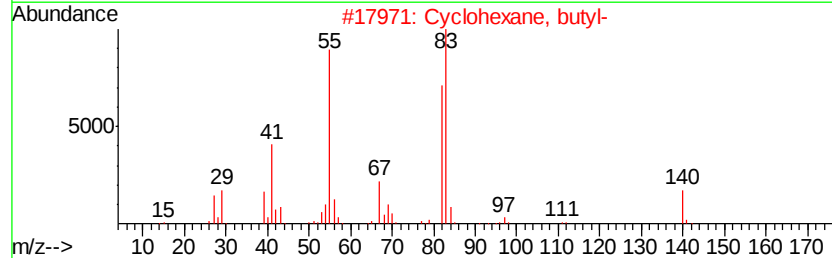
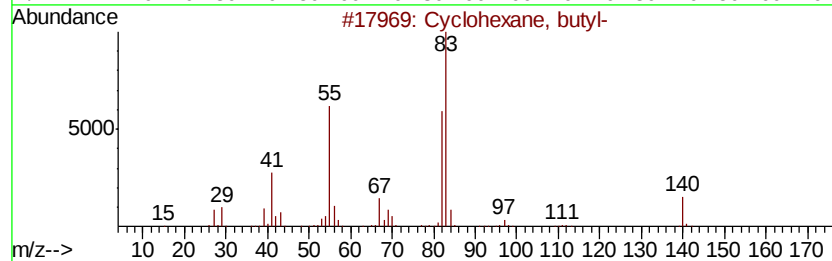
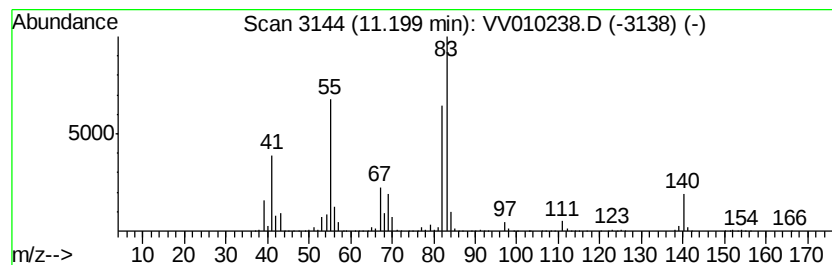
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 46 (DEL) Alkane: Cyclic11.20 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	63.25 ug/L	4755270	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	93
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	91
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	87
4		Cyclohexane, octyl-	196	C14H28	001795-15-9	72
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

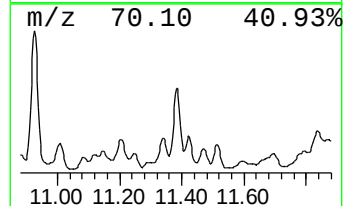
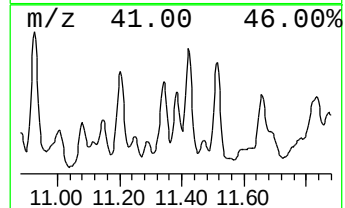
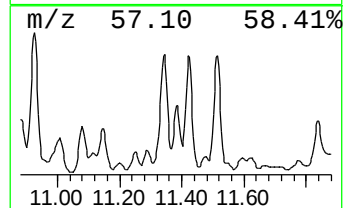
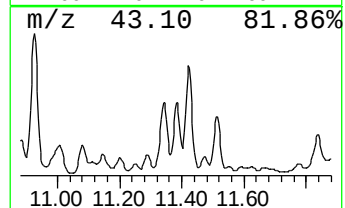
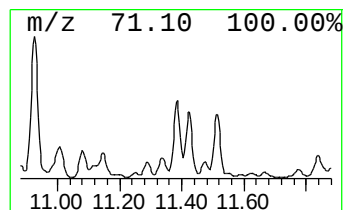
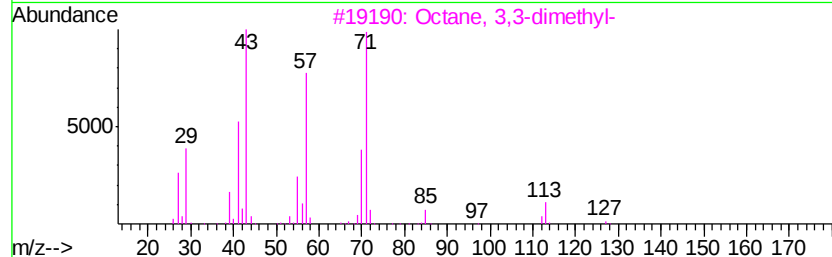
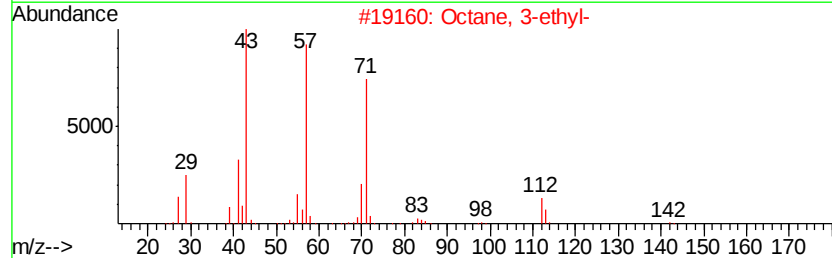
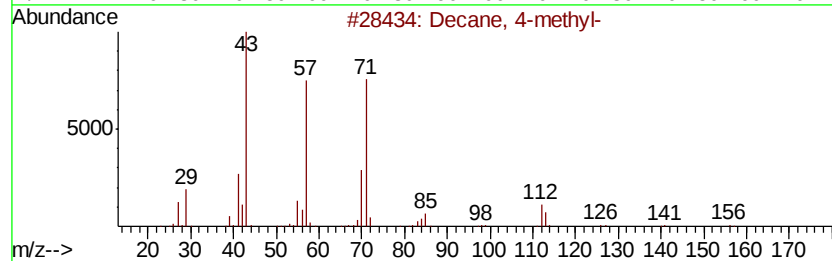
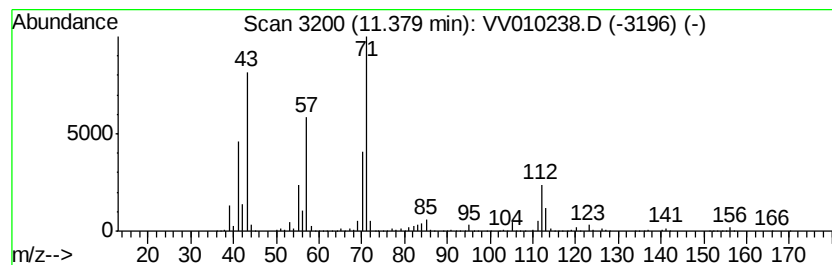
Instrument :
MSVOA_V
ClientSampleId :
DB6X4

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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.38	35.66 ug/L	2680940	1,4-Dichlorobenzene-d4	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	72
2	Octane, 3-ethyl-	142	C10H22	005881-17-4	72
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
DB6X4

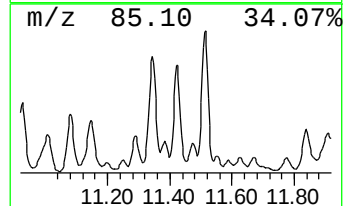
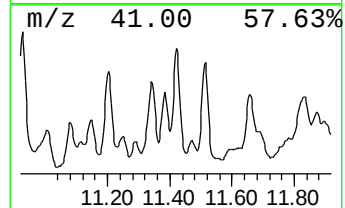
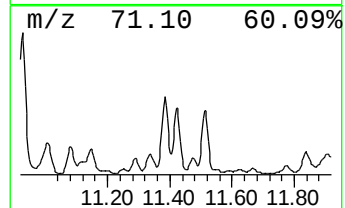
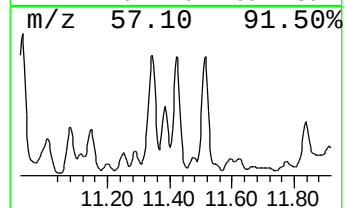
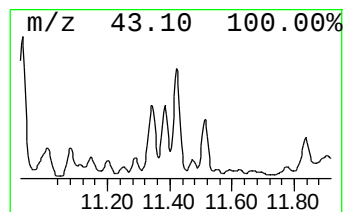
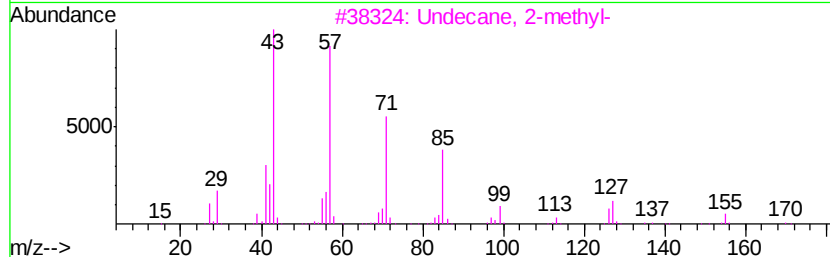
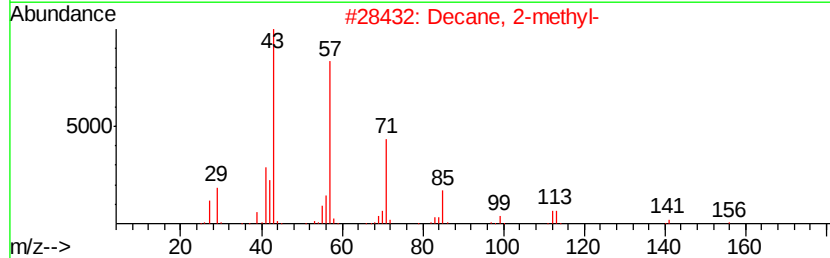
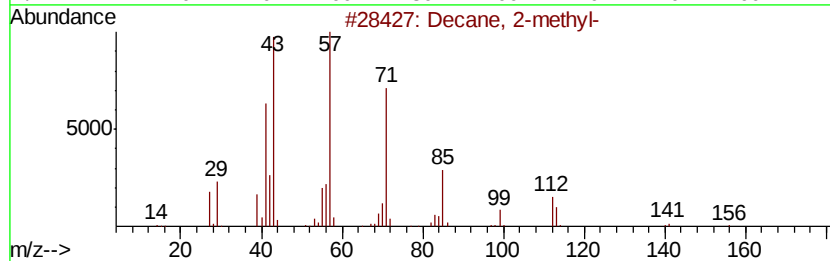
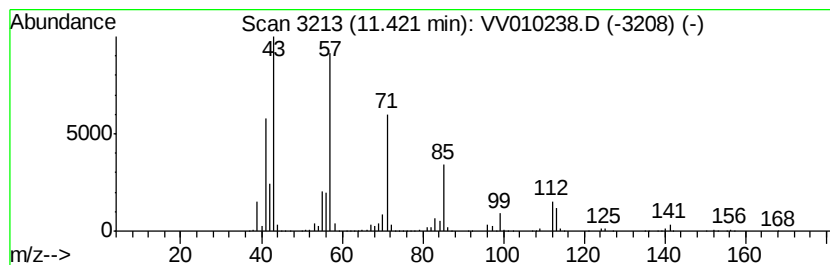
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	65.73 ug/L	4941970	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2-methyl-	156	C11H24	006975-98-0	94
2		Decane, 2-methyl-	156	C11H24	006975-98-0	72
3		Undecane, 2-methyl-	170	C12H26	007045-71-8	72
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
5		Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
DB6X4

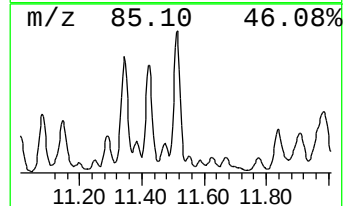
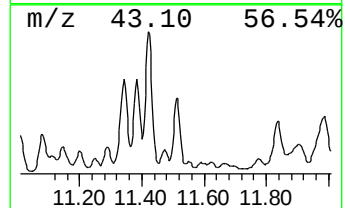
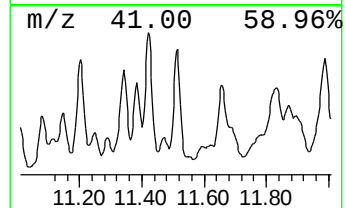
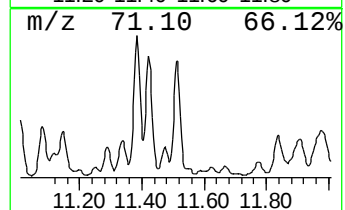
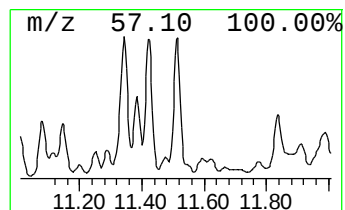
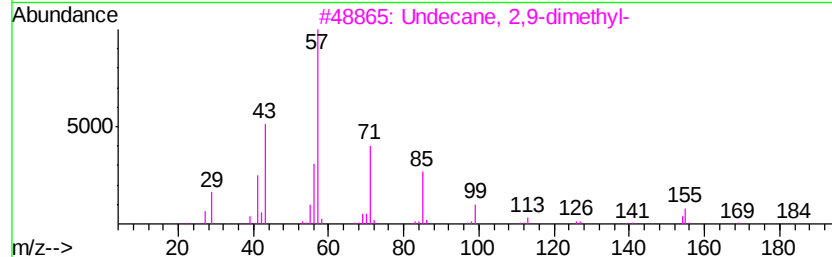
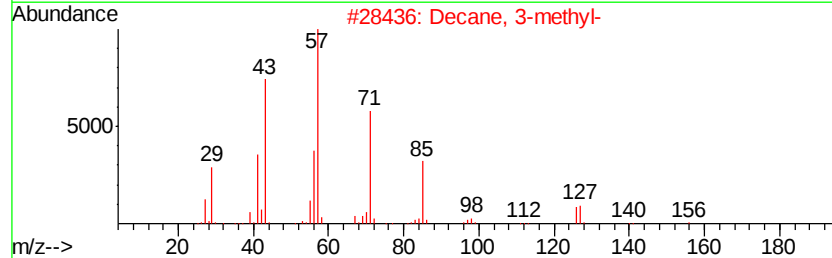
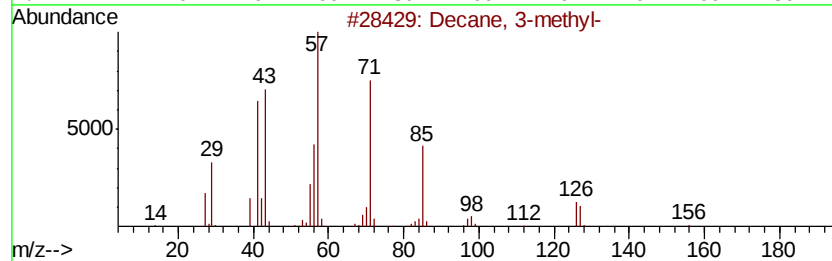
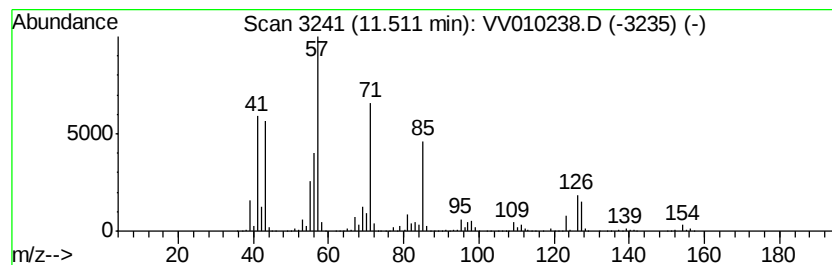
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	72.46 ug/L	5447730	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3-methyl-	156	C11H24	013151-34-3	95
2		Decane, 3-methyl-	156	C11H24	013151-34-3	90
3		Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	64
4		Heptadecane, 8-methyl-	254	C18H38	013287-23-5	58
5		Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

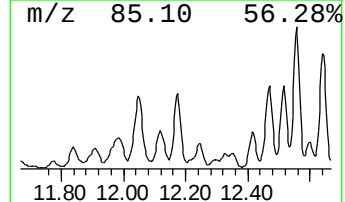
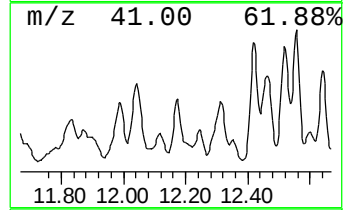
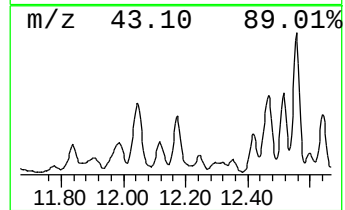
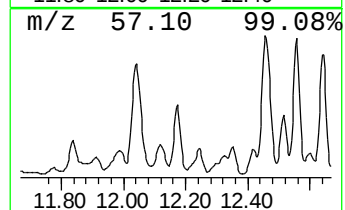
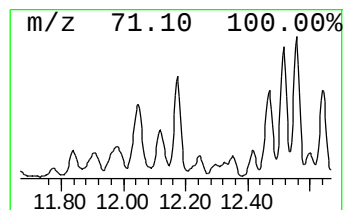
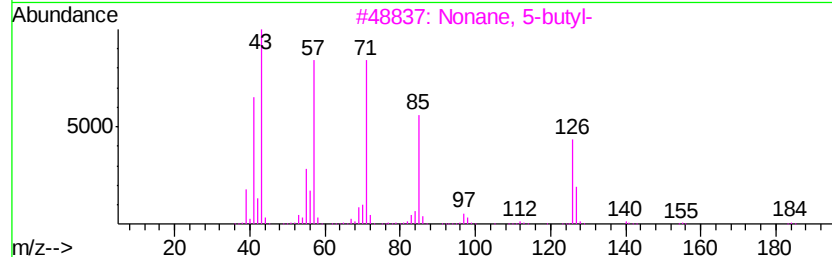
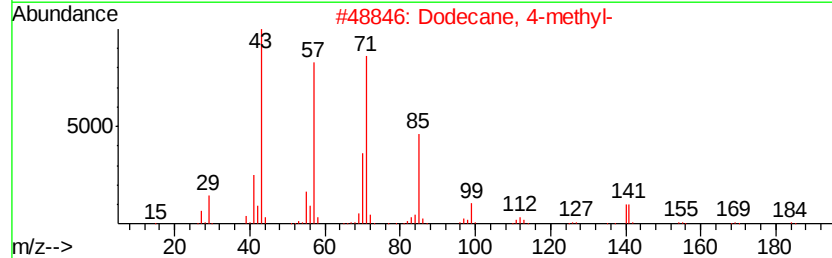
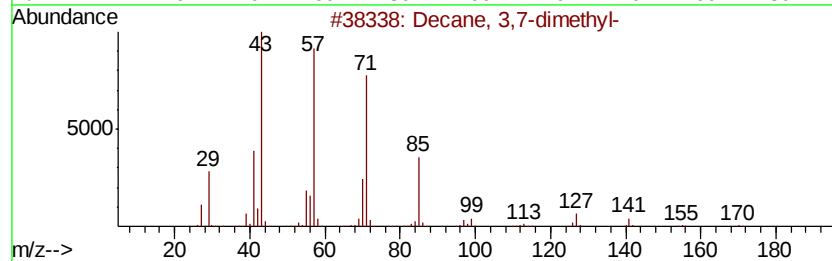
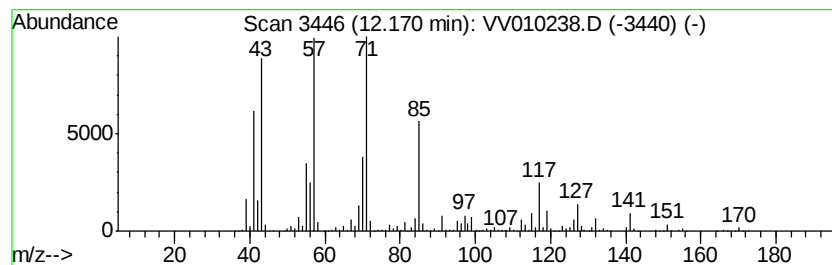
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	71.87 ug/L	5403230	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	93
2			Dodecane, 4-methyl-	184	C13H28	006117-97-1	72
3			Nonane, 5-butyl-	184	C13H28	017312-63-9	53
4			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	52
5			Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

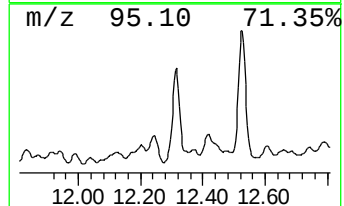
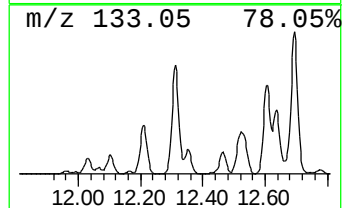
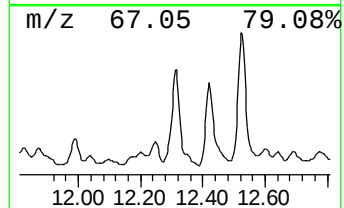
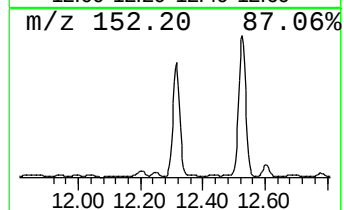
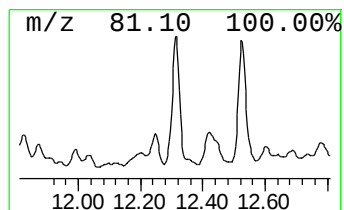
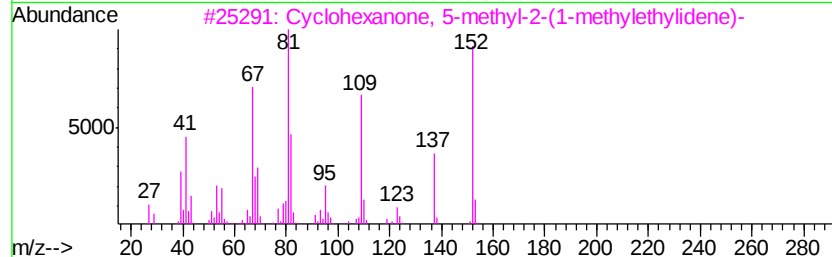
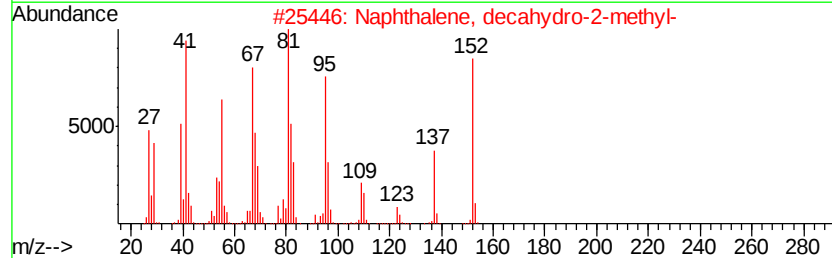
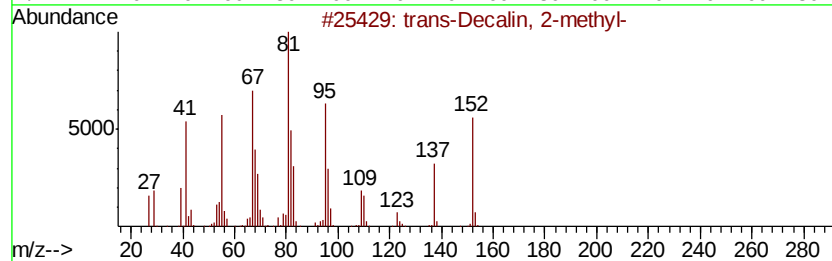
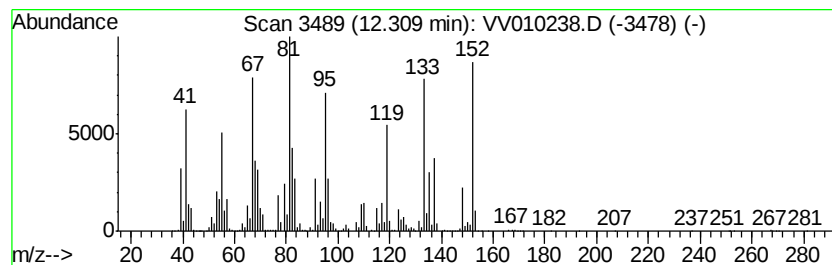
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ClientSampleId :
DB6X4

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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 51 trans-Decalin, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	158.13 ug/L	11889000	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3	83
2	Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1	76
3	Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	015932-80-6	70
4	Decalin, syn-1-methyl-, cis-	152 C11H20	1000158-89-1	64
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152 C10H16O	000464-48-2	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

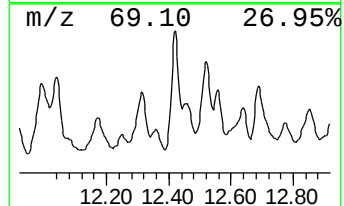
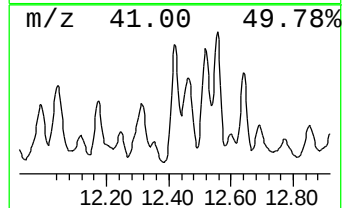
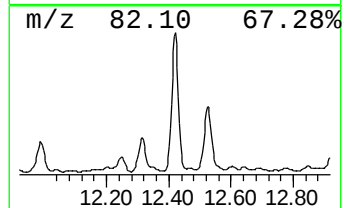
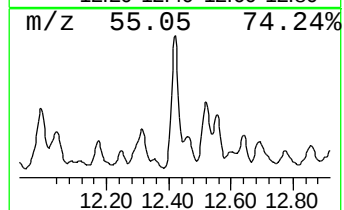
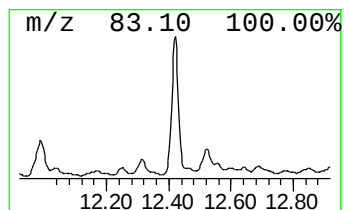
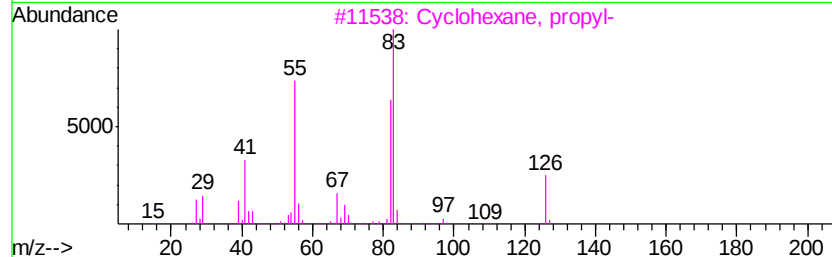
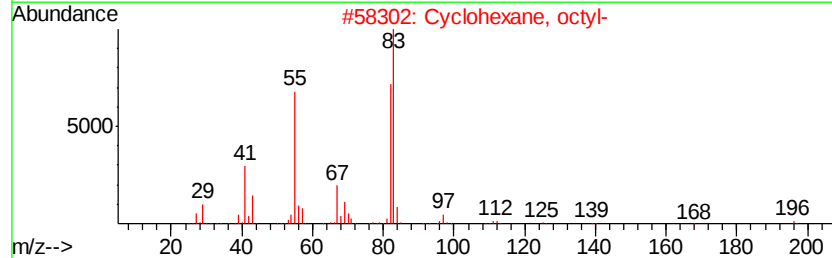
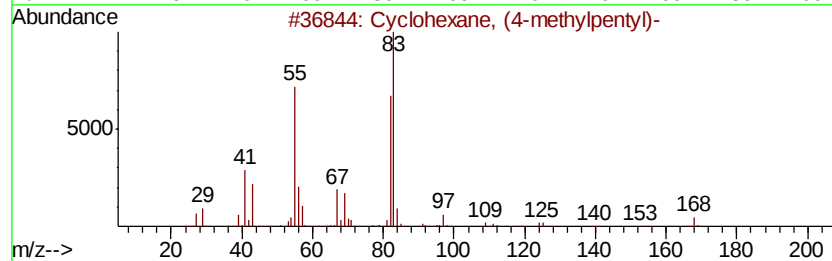
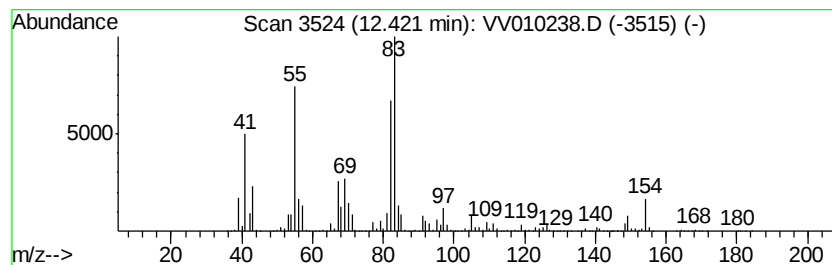
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 52 (DEL) Alkane: Cyclic12.42 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	193.21 ug/L	14526000	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	80
2		Cyclohexane, octyl-	196	C14H28	001795-15-9	72
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4		Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	62
5		Cyclohexane, tetradecyl-	280	C20H40	001795-18-2	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

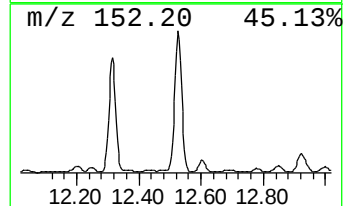
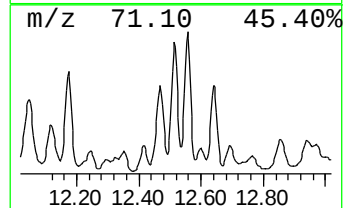
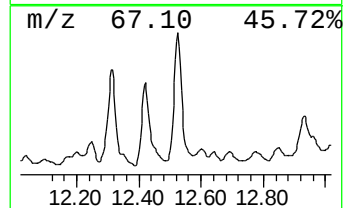
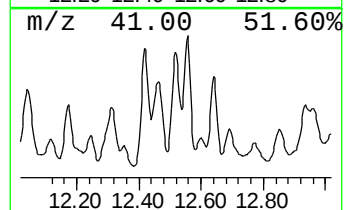
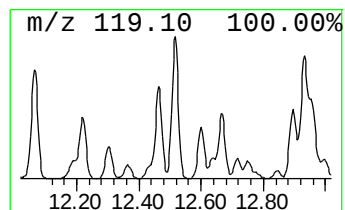
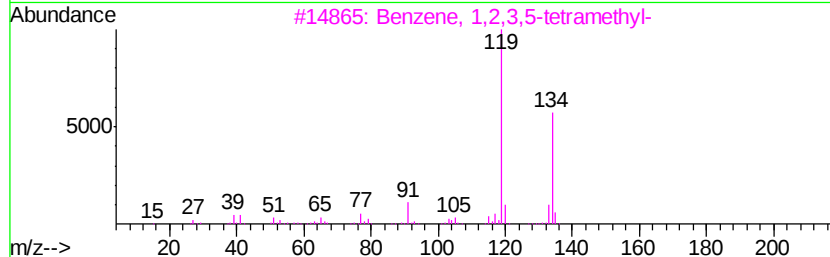
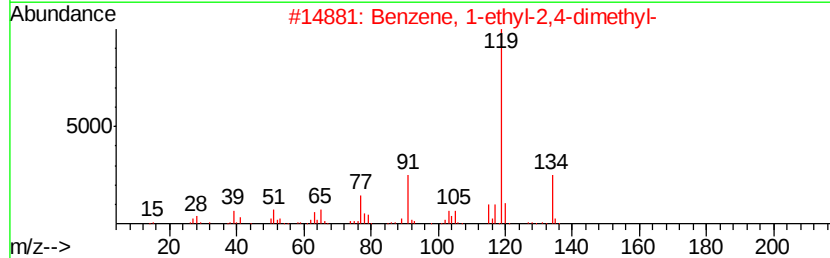
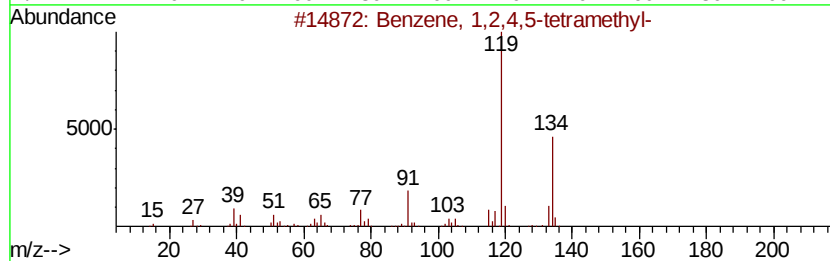
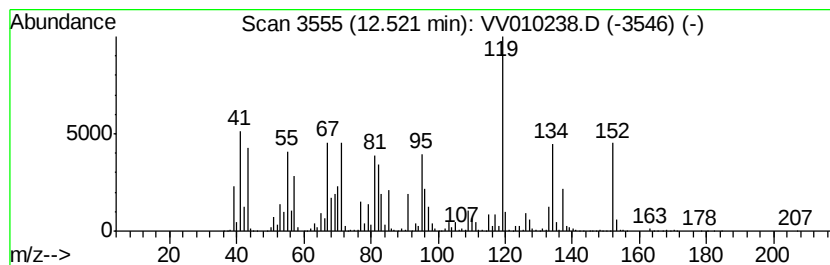
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 53 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	240.10 ug/L	18051600	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	89
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	86
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

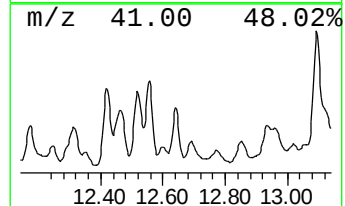
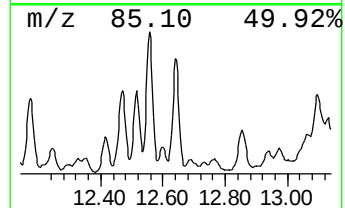
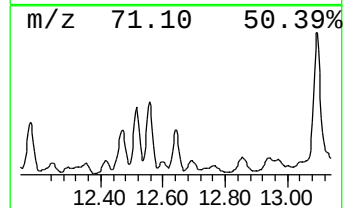
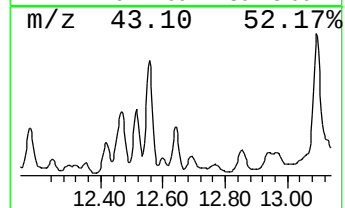
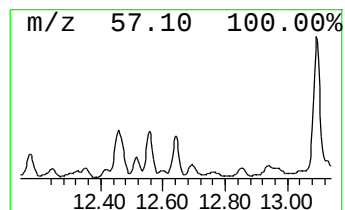
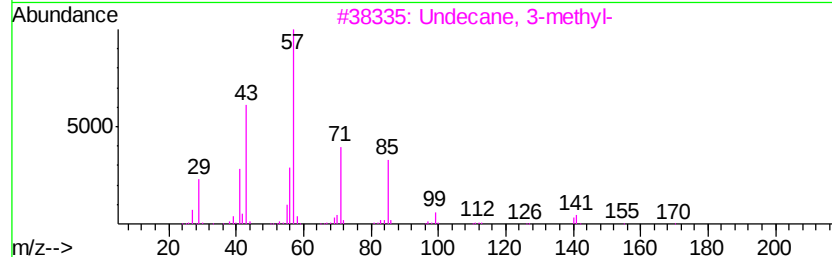
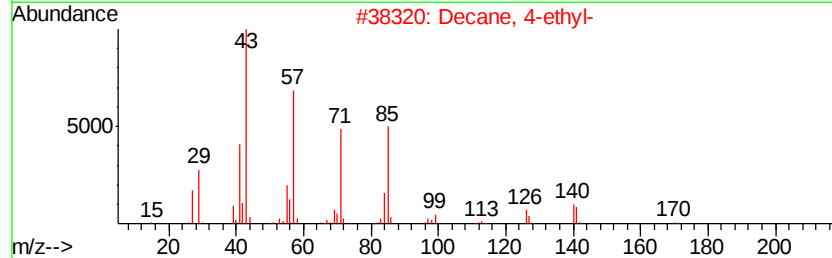
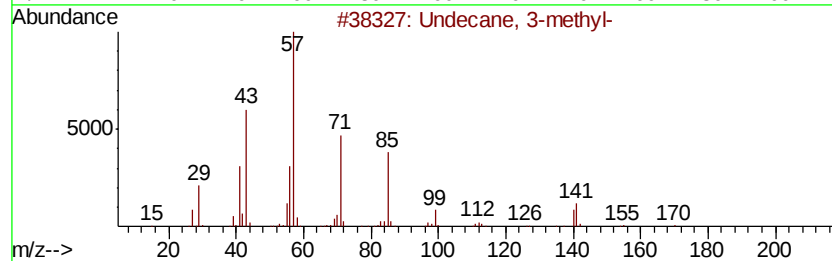
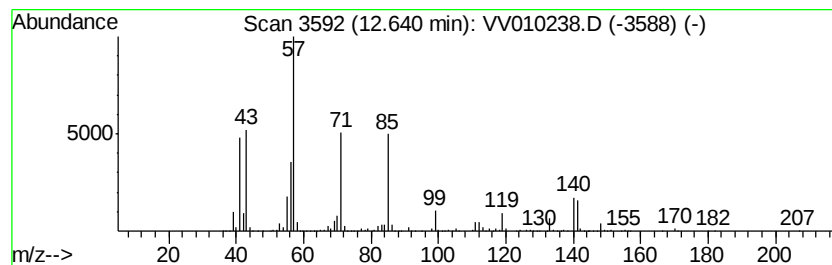
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	55.31 ug/L	4158470	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3-methyl-	170	C12H26	001002-43-3	83
2		Decane, 4-ethyl-	170	C12H26	001636-44-8	59
3		Undecane, 3-methyl-	170	C12H26	001002-43-3	53
4		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50
5		Decane, 1-iodo-	268	C10H21I	002050-77-3	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

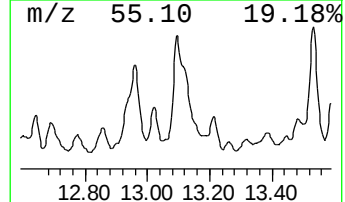
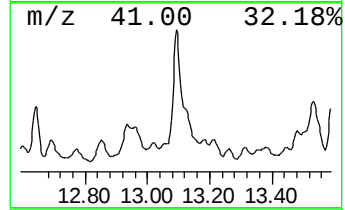
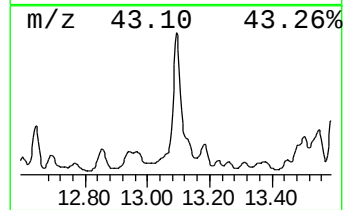
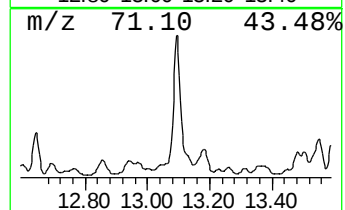
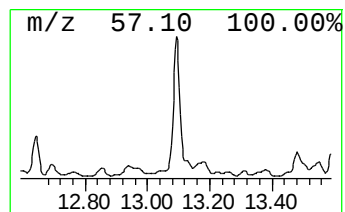
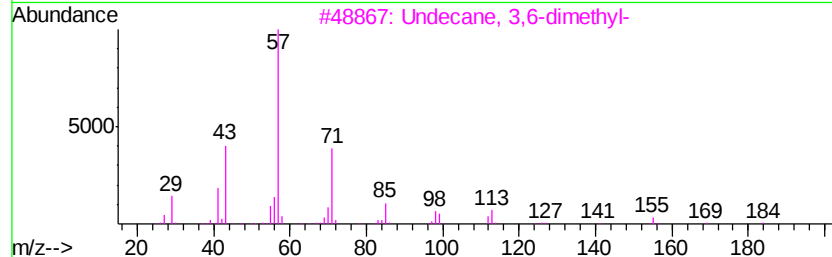
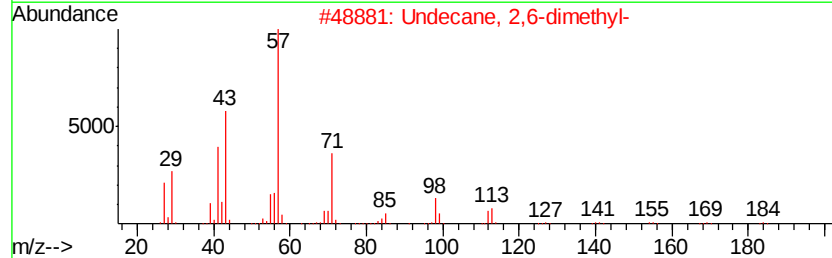
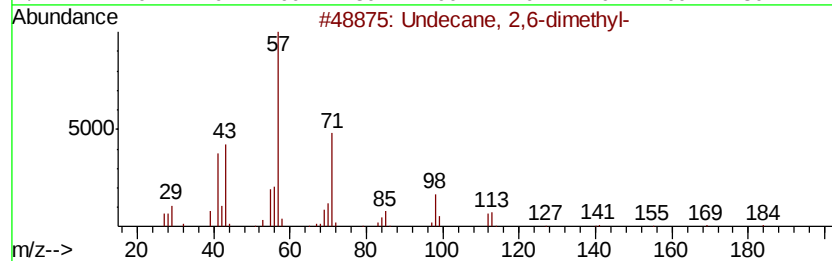
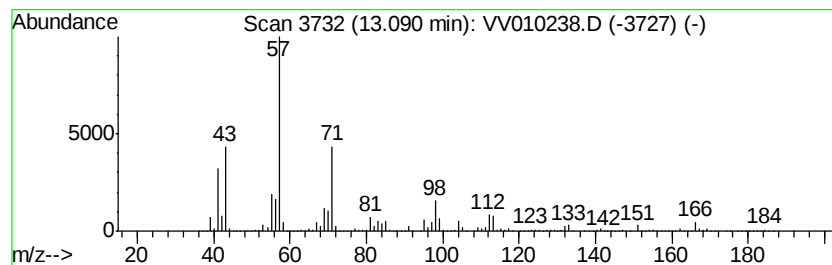
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 55 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	404.65 ug/L	30423600	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	96
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
3		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	68
4		Dodecane, 6-methyl-	184	C13H28	006044-71-9	60
5		Octane, 4-ethyl-	142	C10H22	015869-86-0	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

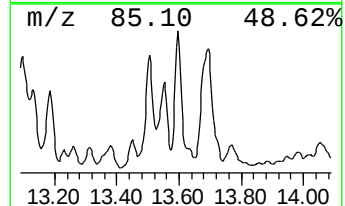
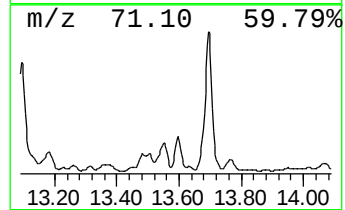
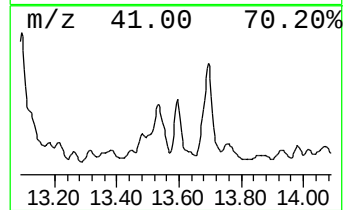
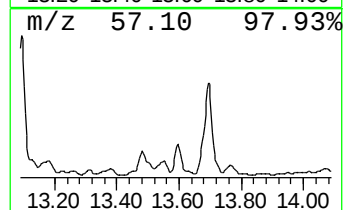
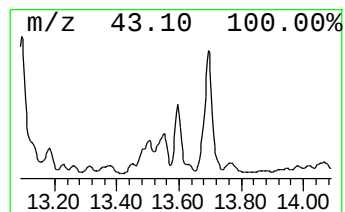
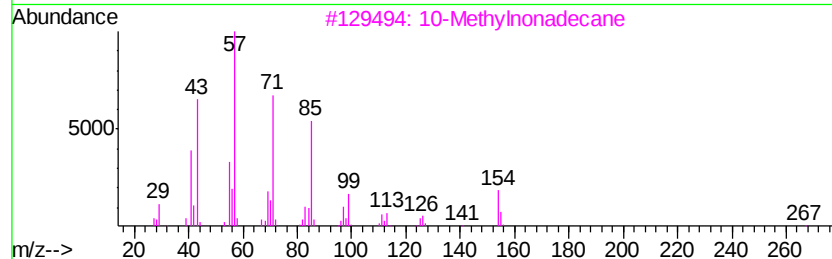
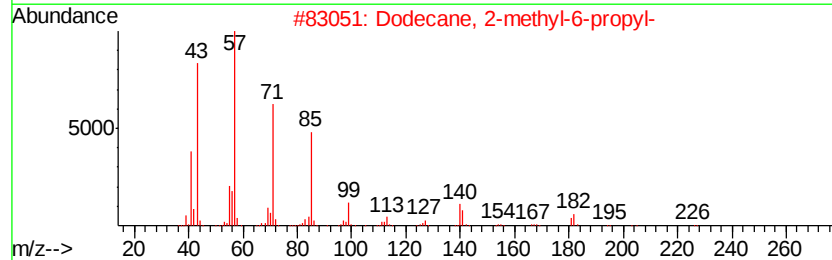
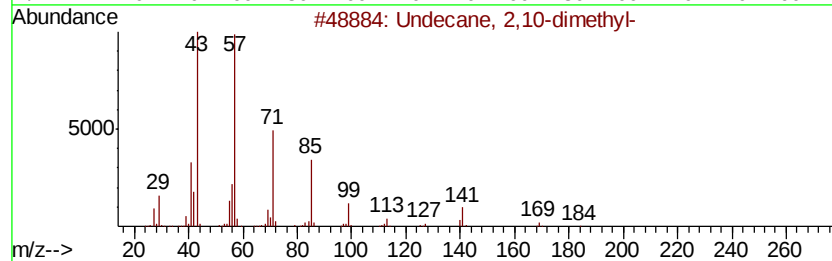
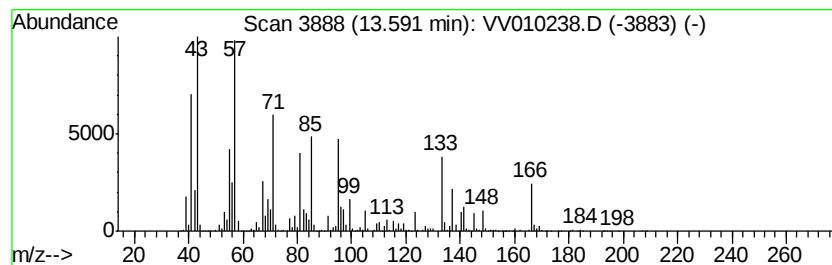
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	107.87 ug/L	8110360	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	42
2		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	30
3		10-Methylnonadecane	282	C20H42	056862-62-5	30
4		Nonadecane, 9-methyl-	282	C20H42	013287-24-6	27
5		Eicosane, 10-methyl-	296	C21H44	054833-23-7	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

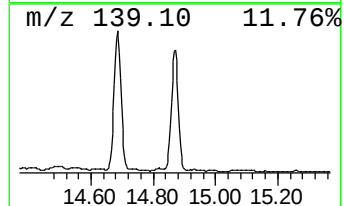
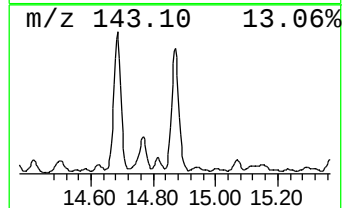
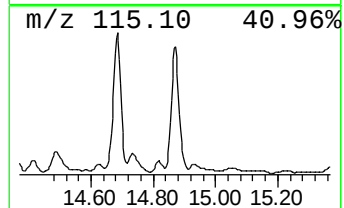
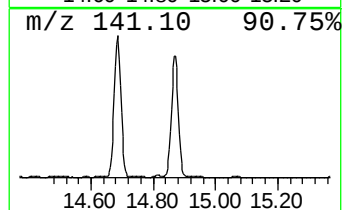
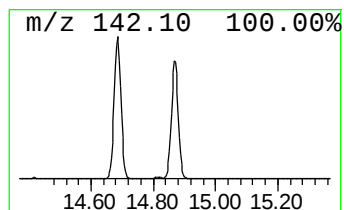
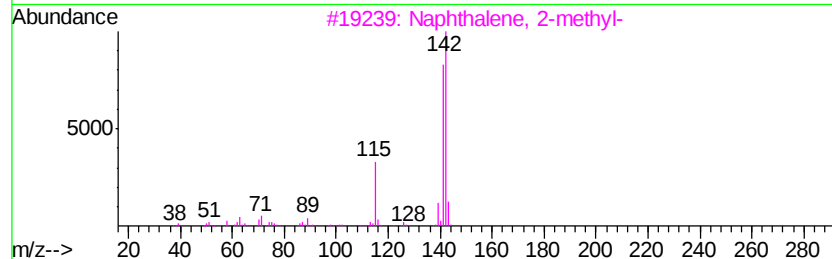
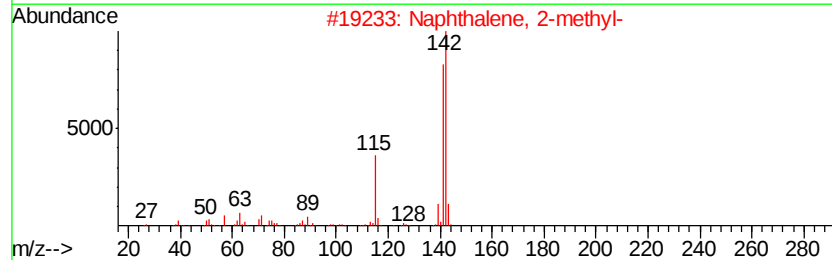
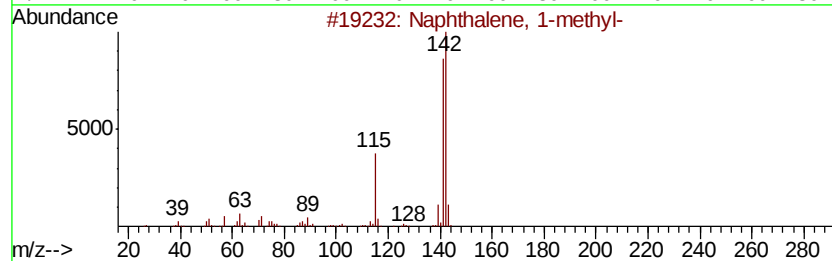
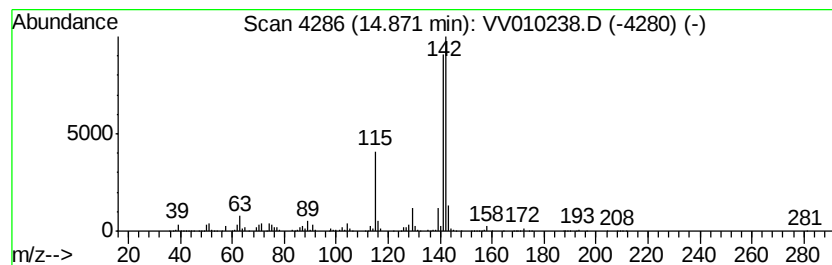
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 57 Naphthalene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	116.07 ug/L	8726930	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4		Benzocycloheptatriene	142	C11H10	000264-09-5	93
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

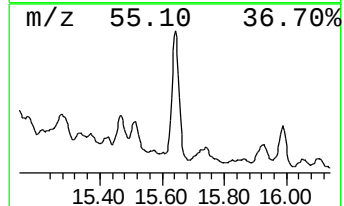
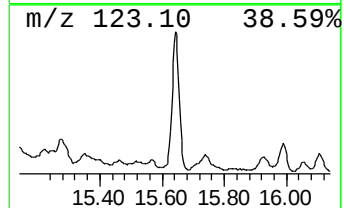
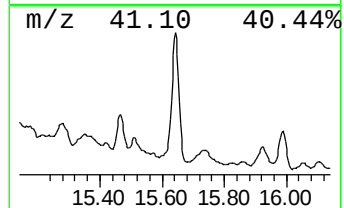
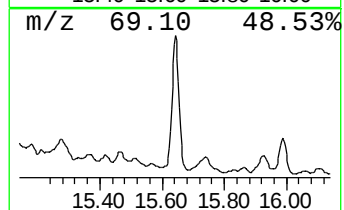
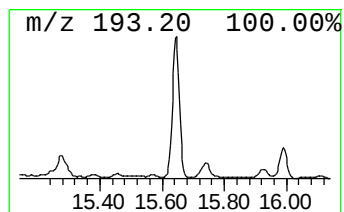
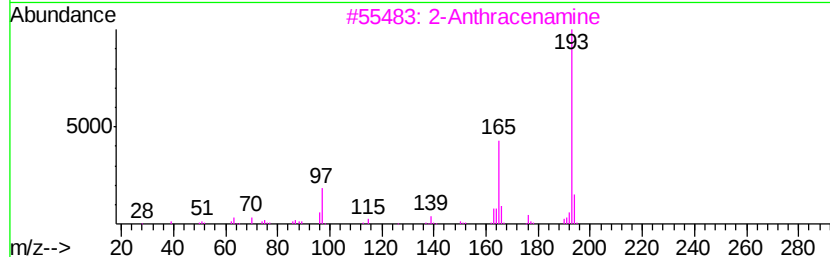
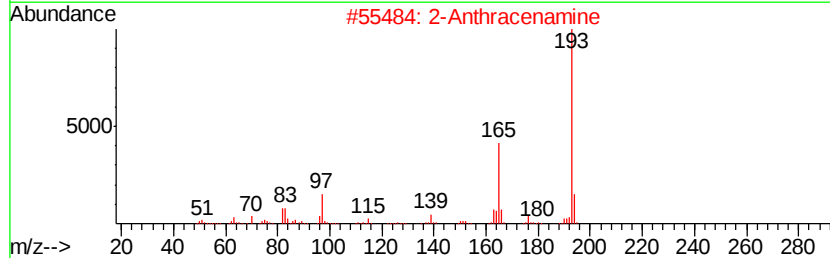
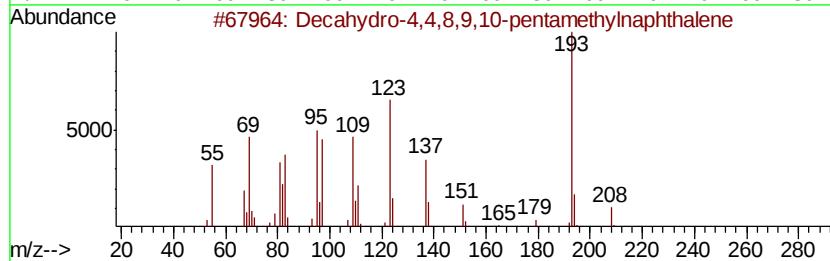
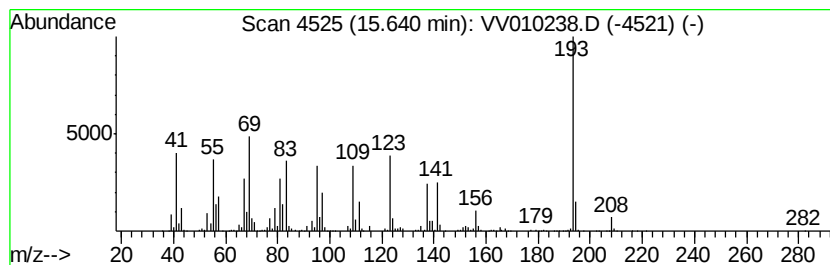
Instrument :
MSVOA_V
ClientSampleId :
DB6X4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 58 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.64	46.56 ug/L	3500420	1,4-Dichlorobenzene-d4	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	49
2	2-Anthracenamine	193	C14H11N	000613-13-8	43
3	2-Anthracenamine	193	C14H11N	000613-13-8	43
4	Butan-2-one, 1-[3-(3,3-dimethyl-...	278	C16H26N2O2	1000303-34-2	38
5	Iminostilbene	193	C14H11N	000256-96-2	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

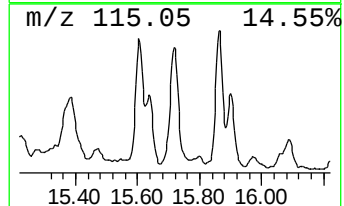
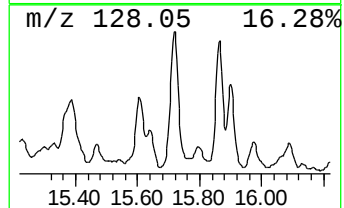
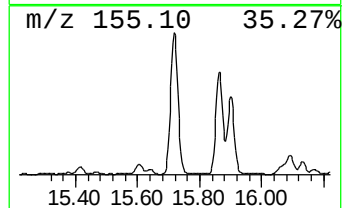
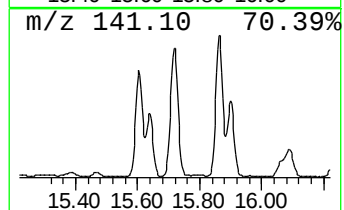
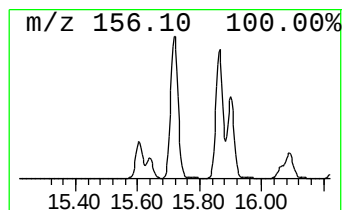
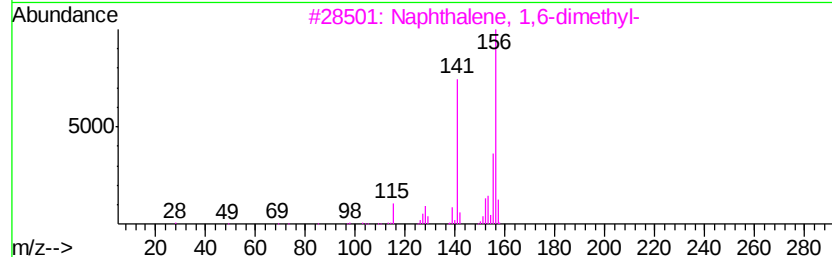
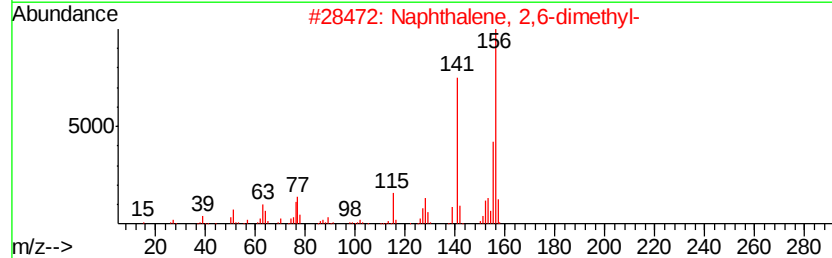
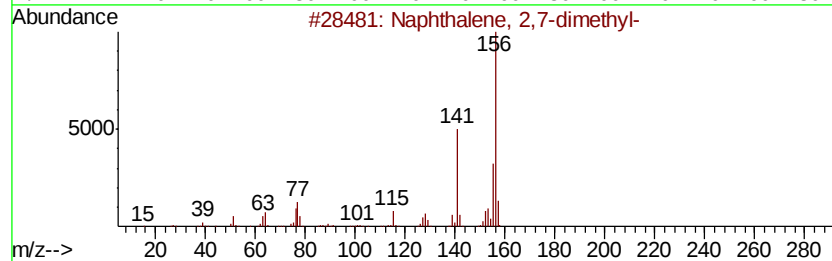
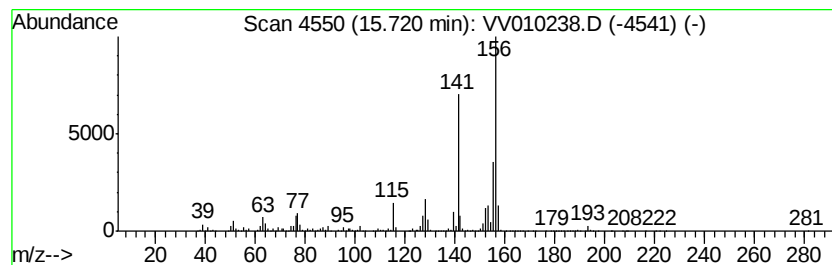
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 59 Naphthalene, 2,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	41.94 ug/L	3153450	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

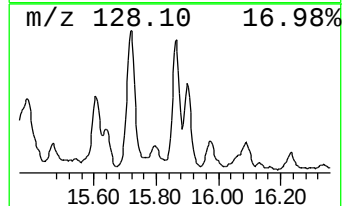
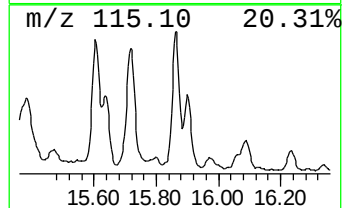
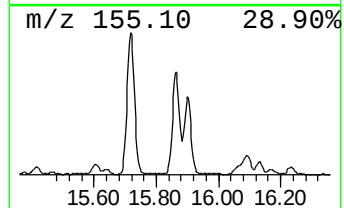
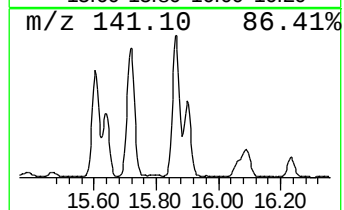
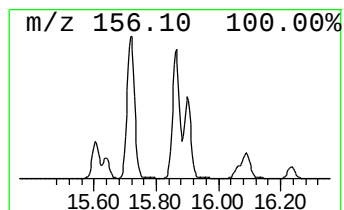
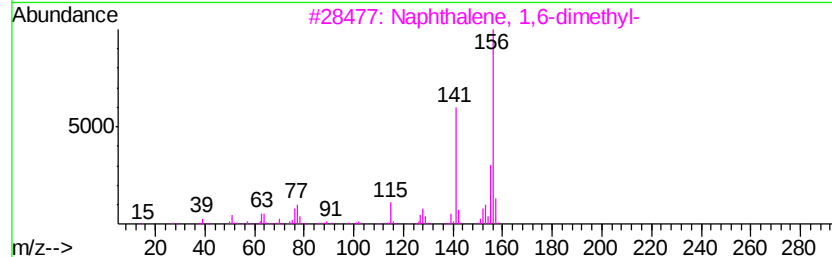
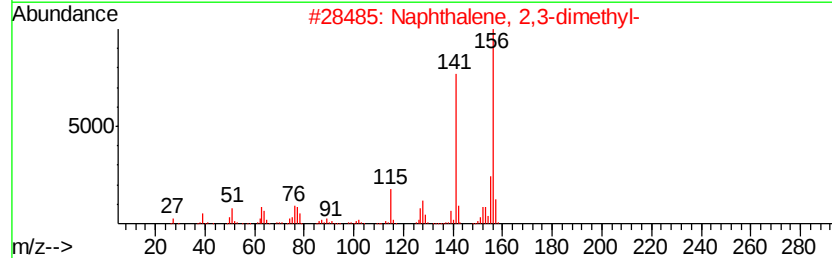
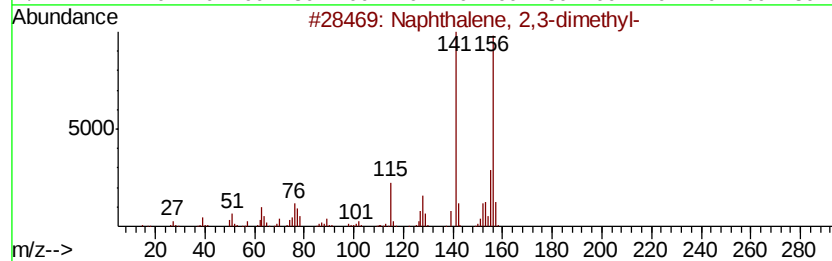
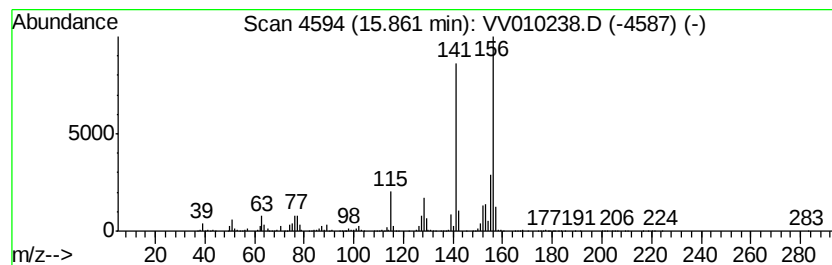
Instrument :
MSVOA_V
ClientSampleId :
DB6X4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 60 Naphthalene, 2,3-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	27.12 ug/L	2039090	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 98
2		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
3		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
4		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 97
5		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

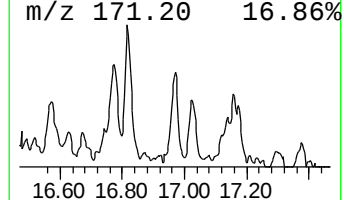
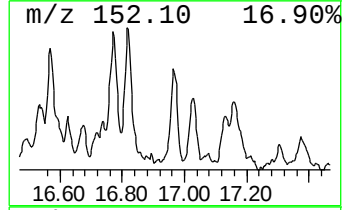
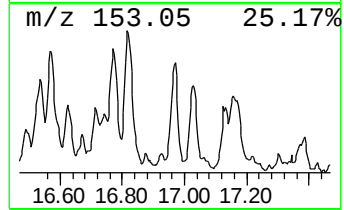
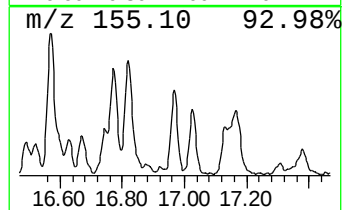
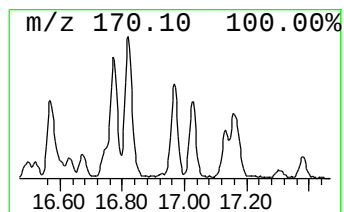
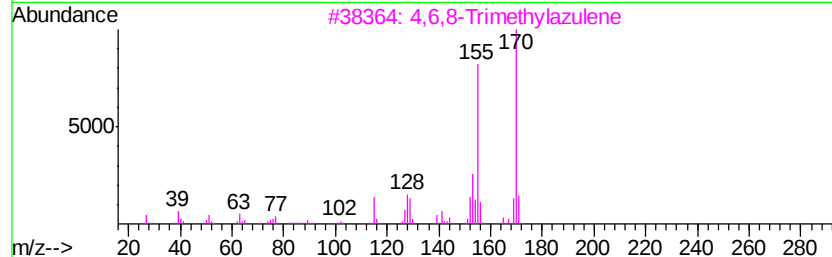
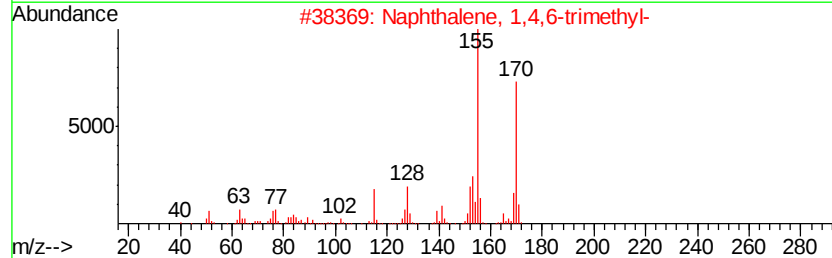
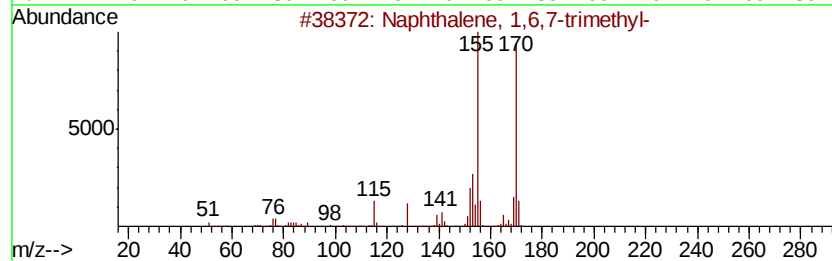
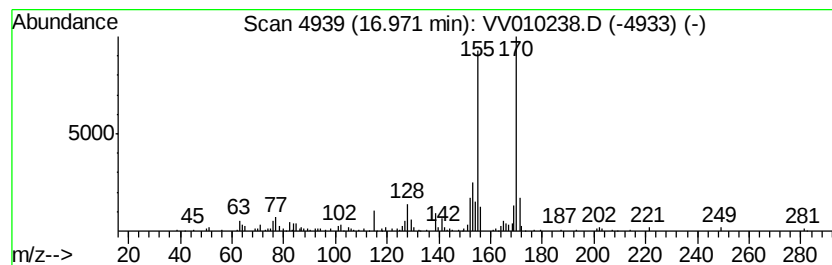
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 61 Naphthalene, 1,6,7-trimethyl- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	1.64 ug/L	122946	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
4			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
Data File : VV010238.D
Acq On : 11 Apr 2019 12:44
Operator : SY/MD
Sample : K2278-07
Misc : 5.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB6X4

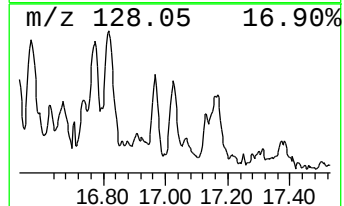
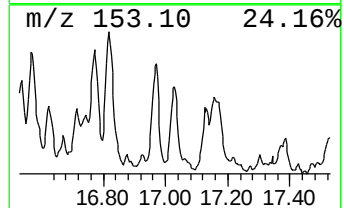
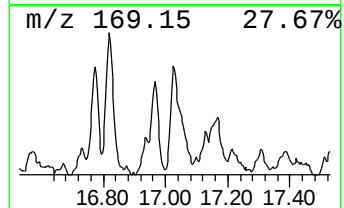
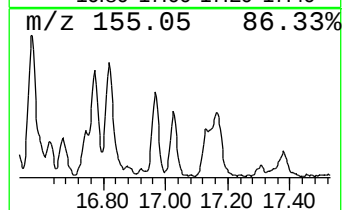
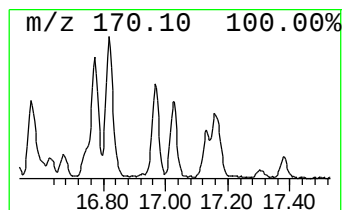
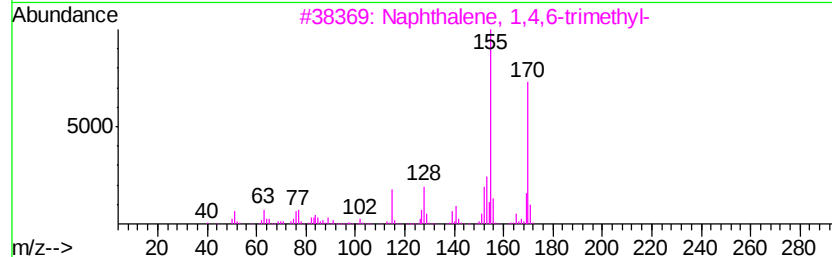
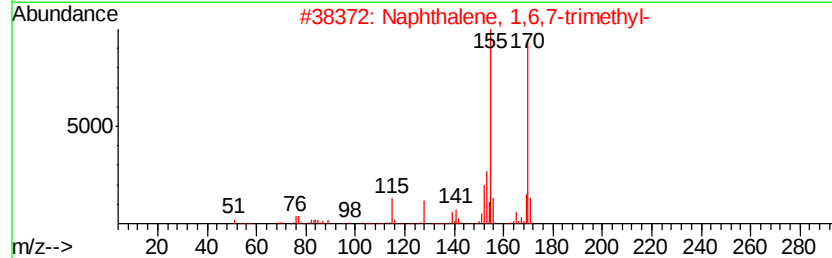
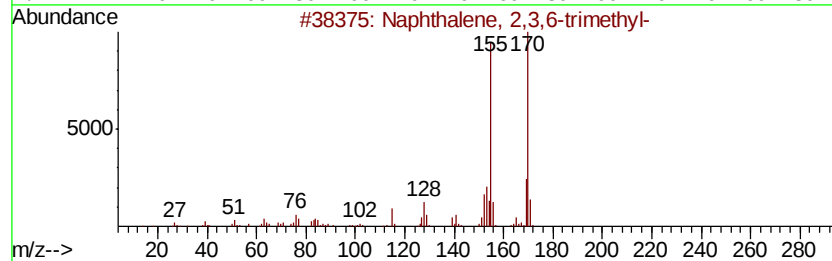
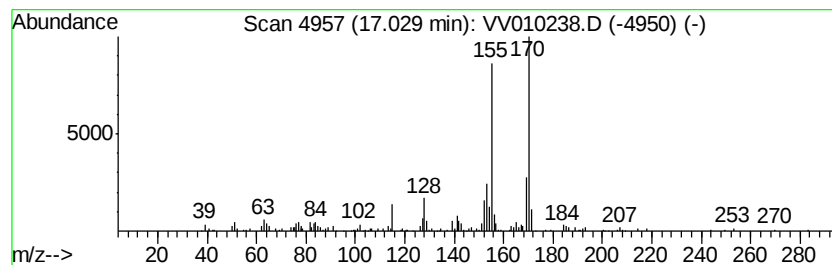
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 62 Naphthalene, 2,3,6-trimethyl- Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	1.75 ug/L	131312	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	95
5			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
 Data File : VV010238.D
 Acq On : 11 Apr 2019 12:44
 Operator : SY/MD
 Sample : K2278-07
 Misc : 5.42G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DB6X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
 Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

					--Internal Standard--				
TIC	Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL)	Alkane: Str...	3.08	2.5	ug/L	69395	1	5.66	688211	25.0
(DEL)	Alkane: Str...	3.58	1.3	ug/L	34690	1	5.66	688211	25.0
(DEL)	Alkane: Str...	3.71	4.0	ug/L	109004	1	5.66	688211	25.0
(DEL)	Alkane: Str...	4.71	9.3	ug/L	256525	1	5.66	688211	25.0
(DEL)	Alkane: Str...	4.81	3.7	ug/L	102300	1	5.66	688211	25.0
(DEL)	Alkane: Str...	4.96	9.9	ug/L	274012	1	5.66	688211	25.0
(DEL)	Alkane: Cyc...	5.23	2.5	ug/L	68892	1	5.66	688211	25.0
(DEL)	Alkane: Str...	5.28	8.4	ug/L	231360	1	5.66	688211	25.0
(DEL)	Alkane: Cyc...	5.37	2.2	ug/L	60770	1	5.66	688211	25.0
(DEL)	Alkane: Str...	5.53	4.0	ug/L	110269	1	5.66	688211	25.0
(DEL)	Alkane: Str...	6.30	2.8	ug/L	77600	1	5.66	688211	25.0
(DEL)	Alkane: Cyc...	6.41	1.7	ug/L	47619	1	5.66	688211	25.0
(DEL)	Alkane: Cyc...	6.50	3.6	ug/L	99518	1	5.66	688211	25.0
(DEL)	Alkane: Cyc...	6.68	5.2	ug/L	143681	1	5.66	688211	25.0
(DEL)	Alkane: Str...	6.82	3.1	ug/L	85465	1	5.66	688211	25.0
(DEL)	Alkane: Str...	6.88	2.2	ug/L	59738	1	5.66	688211	25.0
(DEL)	Alkane: Str...	6.96	12.2	ug/L	335632	1	5.66	688211	25.0
(DEL)	Alkane: Str...	7.12	14.5	ug/L	399903	1	5.66	688211	25.0
(DEL)	Alkane: Cyc...	7.31	23.4	ug/L	757959	2	8.89	808256	25.0
(DEL)	Alkane: Cyc...	7.49	6.0	ug/L	194328	2	8.89	808256	25.0
(DEL)	Alkane: Str...	7.61	10.7	ug/L	344638	2	8.89	808256	25.0
(DEL)	Alkane: Cyc...	7.83	7.6	ug/L	244734	2	8.89	808256	25.0
(DEL)	Alkane: Str...	8.02	5.1	ug/L	166211	2	8.89	808256	25.0
(DEL)	Alkane: Str...	8.25	11.9	ug/L	385864	2	8.89	808256	25.0
(DEL)	Alkane: Cyc...	8.33	29.2	ug/L	942765	2	8.89	808256	25.0
(DEL)	Alkane: Cyc...	8.40	16.8	ug/L	542201	2	8.89	808256	25.0
(DEL)	Alkane: Cyc...	8.55	2.7	ug/L	86884	2	8.89	808256	25.0
(DEL)	Alkane: Str...	8.61	14.0	ug/L	451310	2	8.89	808256	25.0
(DEL)	Alkane: Str...	8.71	42.6	ug/L	1376420	2	8.89	808256	25.0
(DEL)	Alkane: Str...	8.83	37.1	ug/L	1200430	2	8.89	808256	25.0
(DEL)	Alkane: Cyc...	9.04	9.7	ug/L	313956	2	8.89	808256	25.0
(DEL)	Alkane: Cyc...	9.20	24.5	ug/L	791916	2	8.89	808256	25.0
(DEL)	Alkane: Str...	9.24	68.1	ug/L	2202990	2	8.89	808256	25.0
(DEL)	Cyclohexene, 3-pe...	9.36	12.0	ug/L	387567	2	8.89	808256	25.0
(DEL)	Alkane: Str...	9.45	4.4	ug/L	141274	2	8.89	808256	25.0
(DEL)	Alkane: Cyc...	9.52	71.4	ug/L	2309410	2	8.89	808256	25.0
(DEL)	Alkane: Str...	9.62	30.3	ug/L	980436	2	8.89	808256	25.0
(DEL)	Alkane: Cyc...	9.72	17.6	ug/L	569554	2	8.89	808256	25.0
(DEL)	Alkane: Str...	9.75	83.9	ug/L	2712600	2	8.89	808256	25.0
(DEL)	Alkane: Cyc...	9.84	81.4	ug/L	2630970	2	8.89	808256	25.0
(DEL)	Alkane: Str...	10.06	40.1	ug/L	1295930	2	8.89	808256	25.0
(DEL)	Alkane: Cyc...	10.50	21.3	ug/L	1602460	3	11.30	1879610	25.0
(DEL)	Alkane: Cyc...	10.56	41.7	ug/L	3132230	3	11.30	1879610	25.0
(DEL)	Alkane: Str...	10.93	100.9	ug/L	7587360	3	11.30	1879610	25.0
(DEL)	Alkane: Str...	11.08	33.1	ug/L	2487370	3	11.30	1879610	25.0
(DEL)	Alkane: Cyc...	11.20	63.3	ug/L	4755270	3	11.30	1879610	25.0
(DEL)	Alkane: Str...	11.38	35.7	ug/L	2680940	3	11.30	1879610	25.0
(DEL)	Alkane: Str...	11.42	65.7	ug/L	4941970	3	11.30	1879610	25.0
(DEL)	Alkane: Str...	11.51	72.5	ug/L	5447730	3	11.30	1879610	25.0

(DEL) Alkane: Str...	12.17	71.9 ug/L	5403230	3	11.30	1879610	25.0
trans-Decalin, 2-...	12.31	158.1 ug/L	11889000	3	11.30	1879610	25.0
(DEL) Alkane: Cyc...	12.42	193.2 ug/L	14526000	3	11.30	1879610	25.0
Benzene, 1,2,4,5-...	12.52	240.1 ug/L	18051600	3	11.30	1879610	25.0
(DEL) Alkane: Str...	12.64	55.3 ug/L	4158470	3	11.30	1879610	25.0
(DEL) Alkane: Str...	13.09	404.6 ug/L	30423600	3	11.30	1879610	25.0
(DEL) Alkane: Str...	13.59	107.9 ug/L	8110360	3	11.30	1879610	25.0
Naphthalene, 1-me...	14.87	116.1 ug/L	8726930	3	11.30	1879610	25.0
unknown-01	15.64	46.6 ug/L	3500420	3	11.30	1879610	25.0
Naphthalene, 2,7-...	15.72	41.9 ug/L	3153450	3	11.30	1879610	25.0
Naphthalene, 2,3-...	15.86	27.1 ug/L	2039090	3	11.30	1879610	25.0
Naphthalene, 1,6,...	16.97	1.6 ug/L	122946	3	11.30	1879610	25.0
Naphthalene, 2,3,...	17.03	1.8 ug/L	131312	3	11.30	1879610	25.0

Instrument :
MSVOA_V
ClientSampleId :
DB6X4