

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
 Data File : VV012952.D
 Acq On : 23 Sep 2019 22:24
 Operator : SY/MD
 Sample : K4984-05
 Misc : 5.86G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BEDK9

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\SOM2VLM092319S.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	1.225	38	42	47	rVB	19990	17567	0.01%	0.004%
2	1.315	61	70	87	rBV	433604	461674	0.36%	0.105%
3	1.579	144	152	165	rVB	374691	422889	0.33%	0.096%
4	2.129	312	323	335	rBV	699367	1016589	0.79%	0.230%
5	2.190	336	342	364	rVB2	35718	70342	0.05%	0.016%
6	2.325	377	384	394	rVV4	3406	5880	0.00%	0.001%
7	2.415	408	412	413	rBV3	917	690	0.00%	0.000%
8	2.428	414	416	420	rVV5	1843	1669	0.00%	0.000%
9	2.447	420	422	425	rVV4	1909	1201	0.00%	0.000%
10	2.466	425	428	435	rVB7	2132	2329	0.00%	0.001%
11	2.534	435	449	464	rBV	111573	181131	0.14%	0.041%
12	2.592	464	467	469	rBV2	1561	1196	0.00%	0.000%
13	2.791	516	529	545	rBV	41442	77209	0.06%	0.017%
14	3.074	603	617	632	rBV2	43380	89567	0.07%	0.020%
15	3.180	648	650	656	rVB5	1048	1034	0.00%	0.000%
16	3.251	667	672	674	rVB3	767	700	0.00%	0.000%
17	3.312	687	691	698	rVV7	1180	1492	0.00%	0.000%
18	3.434	725	729	736	rVB5	1564	1706	0.00%	0.000%
19	3.611	781	784	788	rVB3	720	706	0.00%	0.000%
20	3.708	808	814	815	rBV4	965	670	0.00%	0.000%
21	3.769	828	833	837	rBV6	823	1028	0.00%	0.000%
22	3.962	864	893	1004	rBV3	48545648	128670727	100.00%	29.147%
23	4.399	1014	1029	1050	rVB	458068	1111337	0.86%	0.252%
24	4.765	1141	1143	1149	rVB4	1433	1210	0.00%	0.000%
25	4.804	1149	1155	1157	rBV6	1444	1442	0.00%	0.000%
26	4.939	1194	1197	1198	rBV3	1171	726	0.00%	0.000%
27	5.093	1225	1245	1278	rVV2	1084717	2739827	2.13%	0.621%
28	5.235	1286	1289	1292	rBV4	1090	922	0.00%	0.000%
29	5.360	1325	1328	1330	rBV4	1199	802	0.00%	0.000%
30	5.444	1348	1354	1355	rBV5	1253	965	0.00%	0.000%
31	5.527	1375	1380	1383	rBV6	2187	2347	0.00%	0.001%
32	5.662	1406	1422	1459	rVV	929012	1873355	1.46%	0.424%
33	5.823	1469	1472	1476	rVB4	2222	1498	0.00%	0.000%
34	5.891	1489	1493	1495	rBV5	990	844	0.00%	0.000%

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Integration Parameters: LSCINT.P

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Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Title : VOC Analysis

35	5.965	1495	1516	1551	rBV	48136104	96836916	75.26%	21.936%
36	6.116	1552	1563	1595	rVB	626904	1330650	1.03%	0.301%
37	6.444	1663	1665	1672	rVB6	1359	1041	0.00%	0.000%
38	6.527	1688	1691	1696	rVB5	2543	2142	0.00%	0.000%
39	6.662	1729	1733	1734	rBV3	1191	801	0.00%	0.000%
40	6.678	1734	1738	1741	rVV5	3420	3521	0.00%	0.001%
41	6.720	1742	1751	1762	rVB4	8165	18530	0.01%	0.004%
42	6.765	1762	1765	1768	rVB5	1161	780	0.00%	0.000%
43	6.794	1768	1774	1775	rBV4	1578	1380	0.00%	0.000%
44	6.849	1786	1791	1807	rVB5	7500	14739	0.01%	0.003%
45	6.977	1825	1831	1832	rBV6	2625	2525	0.00%	0.001%
46	7.029	1834	1847	1871	rVB	291232	535568	0.42%	0.121%
47	7.219	1895	1906	1918	rVB7	10721	25487	0.02%	0.006%
48	7.299	1925	1931	1933	rBV6	2914	2655	0.00%	0.001%
49	7.312	1933	1935	1937	rBV2	1846	1047	0.00%	0.000%
50	7.367	1938	1952	1974	rBV	1010713	2102604	1.63%	0.476%
51	7.514	1996	1998	2004	rVB7	1641	990	0.00%	0.000%
52	7.666	2030	2045	2079	rVB2	201638	450025	0.35%	0.102%
53	7.807	2085	2089	2091	rBV4	1589	1079	0.00%	0.000%
54	7.878	2106	2111	2112	rBV5	2058	1712	0.00%	0.000%
55	8.907	2419	2431	2458	rVB	1327565	2122119	1.65%	0.481%
56	9.161	2503	2510	2513	rBV3	27423	38401	0.03%	0.009%
57	9.251	2534	2538	2541	rBV4	9610	9680	0.01%	0.002%
58	9.376	2567	2577	2593	rVB10	29140	69684	0.05%	0.016%
59	9.453	2599	2601	2602	rBV2	4851	2148	0.00%	0.000%
60	9.498	2607	2615	2639	rVB7	45536	136415	0.11%	0.031%
61	9.595	2641	2645	2648	rBV4	9637	9990	0.01%	0.002%
62	9.755	2677	2695	2703	rBV3	60309	121442	0.09%	0.028%
63	9.842	2715	2722	2728	rBV4	34232	53838	0.04%	0.012%
64	10.058	2773	2789	2806	rBV2	134363	261910	0.20%	0.059%
65	10.173	2809	2825	2834	rBV2	284758	493408	0.38%	0.112%
66	10.222	2834	2840	2843	rBV3	36091	44661	0.03%	0.010%
67	10.264	2844	2853	2856	rBV	495200	711087	0.55%	0.161%
68	10.424	2882	2903	2915	rBV	1867580	3406693	2.65%	0.772%
69	10.559	2935	2945	2956	rBV7	227123	498503	0.39%	0.113%
70	10.620	2956	2964	2970	rBV2	216190	351080	0.27%	0.080%
71	10.794	3007	3018	3030	rBV5	387322	824018	0.64%	0.187%

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72	10.874	3034	3043	3052	rVB3	788463	1271083	0.99%	0.288%
73	10.961	3052	3070	3080	rBV6	929536	2484038	1.93%	0.563%
74	11.080	3098	3107	3111	rBV3	337558	544002	0.42%	0.123%
75	11.193	3132	3142	3150	rBV	1581784	2866027	2.23%	0.649%
76	11.315	3167	3180	3190	rVB2	1393118	3055341	2.37%	0.692%
77	11.376	3191	3199	3209	rBV5	1075781	2256304	1.75%	0.511%
78	11.437	3210	3218	3220	rVV3	1701916	2271353	1.77%	0.515%
79	11.466	3221	3227	3238	rVB4	3662524	6225378	4.84%	1.410%
80	11.614	3258	3273	3281	rBV4	1332684	3507787	2.73%	0.795%
81	11.688	3283	3296	3320	rVV10	2378072	8481596	6.59%	1.921%
82	11.862	3335	3350	3357	rBV3	2383662	5168475	4.02%	1.171%
83	11.910	3359	3365	3374	rVB4	1284767	1961721	1.52%	0.444%
84	11.984	3378	3388	3399	rBV9	2382733	5962846	4.63%	1.351%
85	12.238	3460	3467	3473	rBV4	1896511	2782511	2.16%	0.630%
86	12.289	3474	3483	3494	rVV	6929256	11979348	9.31%	2.714%
87	12.437	3519	3529	3539	rVB	10176970	16974171	13.19%	3.845%
88	12.543	3553	3562	3571	rVB	5312059	8712442	6.77%	1.974%
89	12.649	3588	3595	3603	rBV4	2436786	4315199	3.35%	0.977%
90	13.051	3713	3720	3736	rBV3	6746874	13724956	10.67%	3.109%
91	13.144	3744	3749	3759	rVB	6964487	10275525	7.99%	2.328%
92	13.206	3761	3768	3777	rVV2	5757334	9539818	7.41%	2.161%
93	13.257	3779	3784	3796	rVB2	3847798	6143564	4.77%	1.392%
94	13.476	3847	3852	3860	rVB2	5642076	7840200	6.09%	1.776%
95	13.582	3879	3885	3892	rBV2	4601785	7252051	5.64%	1.643%
96	14.045	4022	4029	4049	rVB7	9851100	20215579	15.71%	4.579%
97	14.829	4268	4273	4283	rVB4	6030228	9134325	7.10%	2.069%
98	15.106	4351	4359	4370	rVB	8643098	14230498	11.06%	3.224%
99	15.640	4519	4525	4539	rVB	2566457	4007297	3.11%	0.908%
100	15.922	4606	4613	4620	rBV3	622672	1020992	0.79%	0.231%

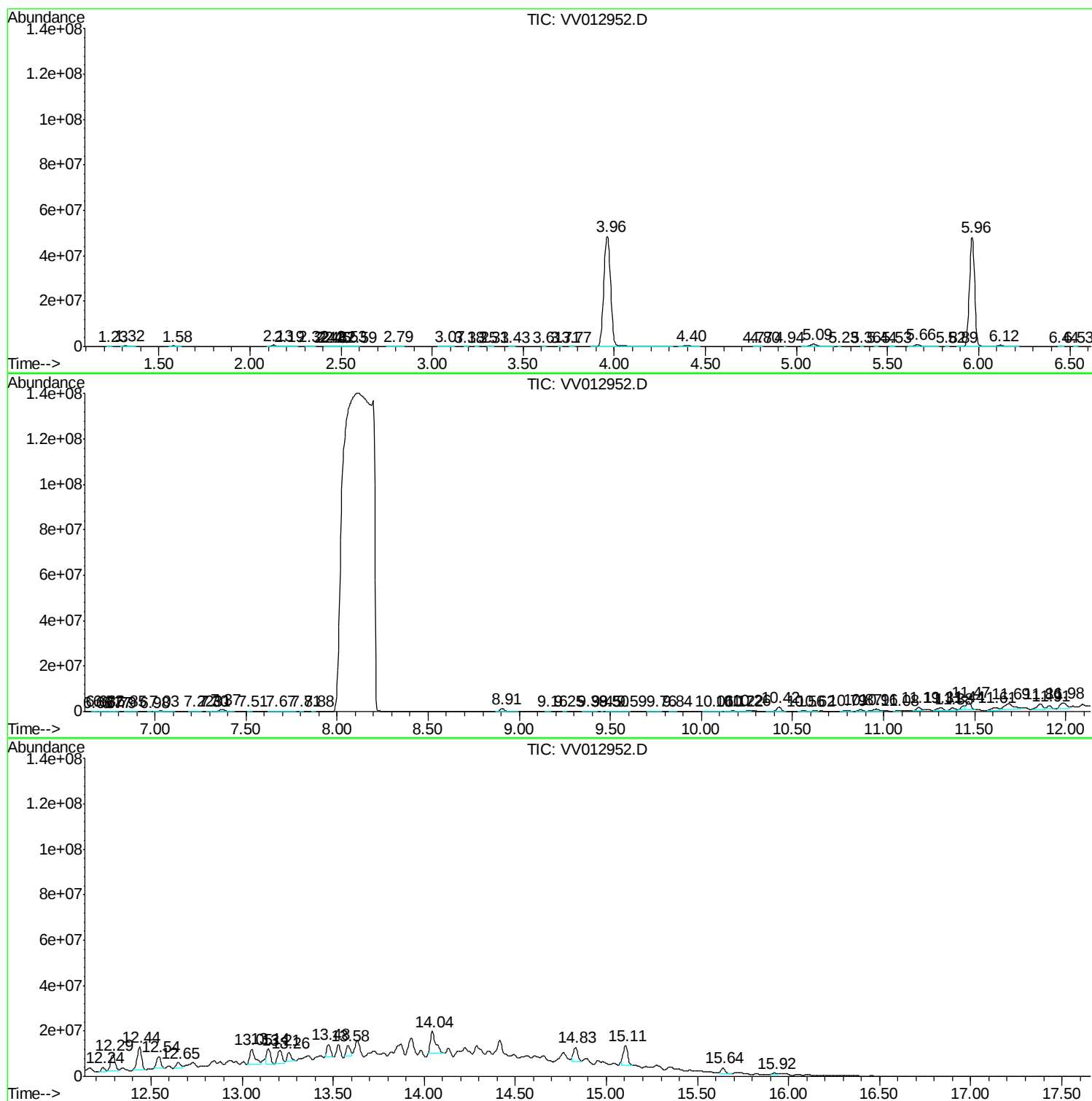
Sum of corrected areas: 441456967

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Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

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



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ALS Vial : 1 Sample Multiplier: 1

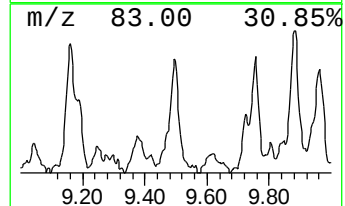
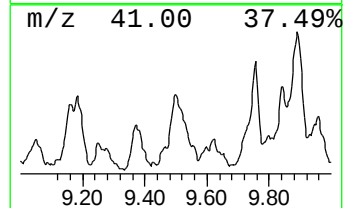
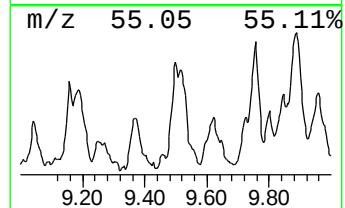
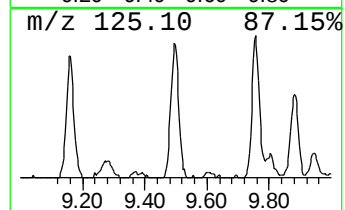
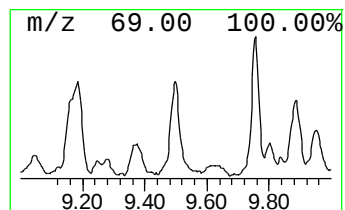
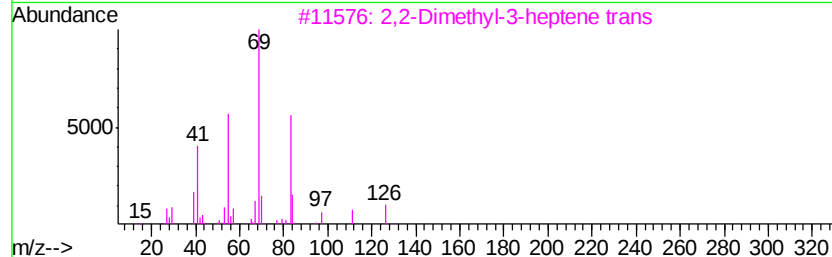
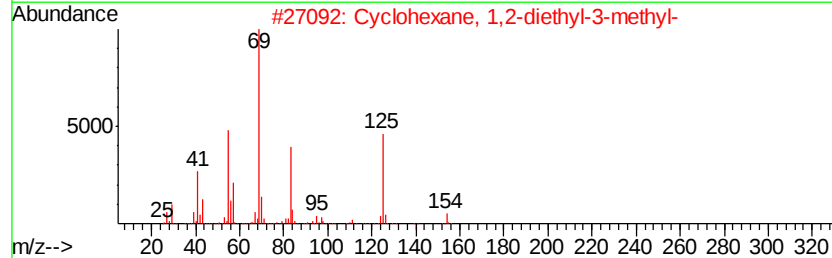
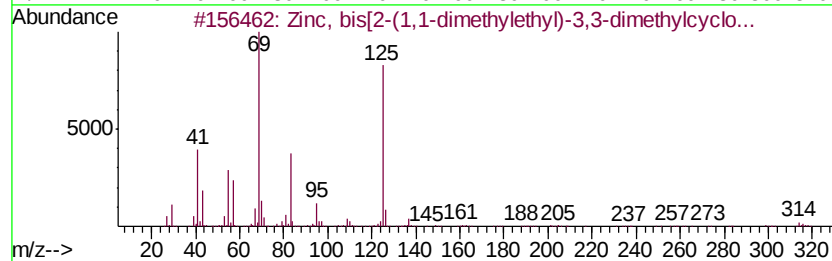
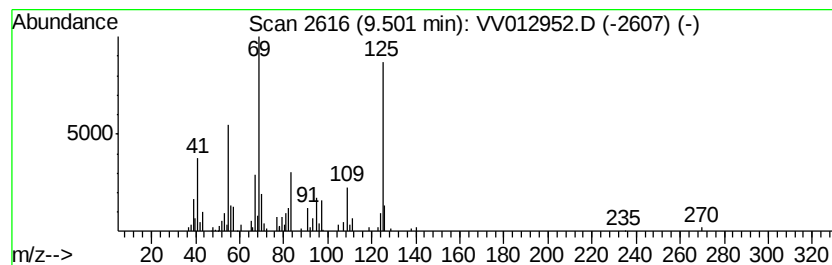
Instrument :
MSVOA_V
ClientSampled :
BEDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

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

Peak Number 2 Zinc, bis[2-(1,1-dimethylet... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.		
9.50	1.61 ug/L	136415	Chlorobenzene-d5	8.91		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	72
2		Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	64
3		2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	43
4		Cyclohexanecarboxylic acid, 4-pr...	382	C23H30N2O3	075941-50-3	38
5		2,2,3,3-Tetramethylcyclopropanec...	232	C15H20O2	1000221-98-5	35



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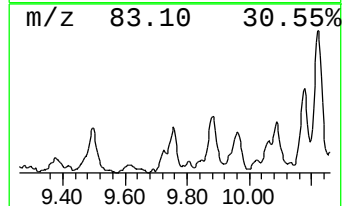
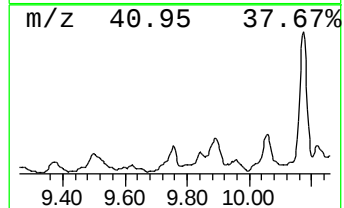
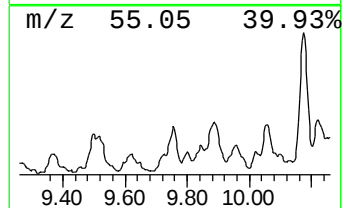
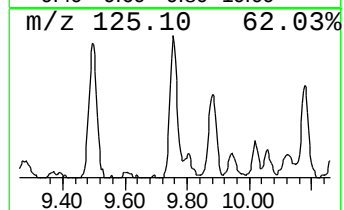
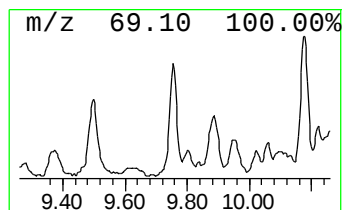
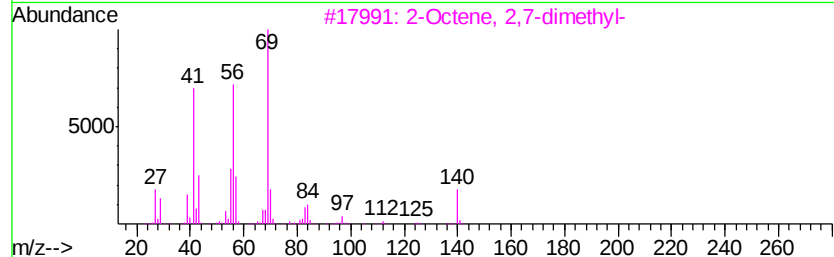
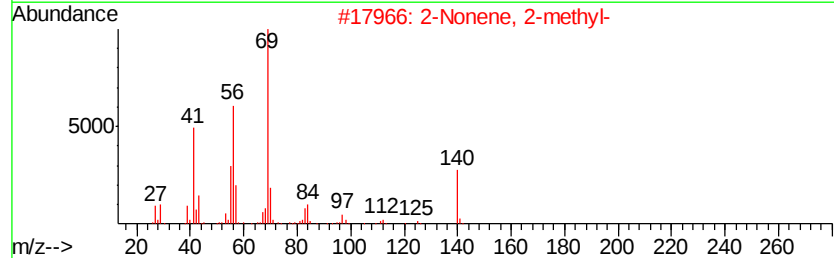
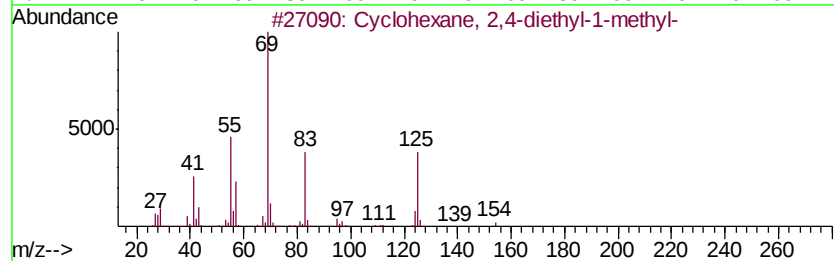
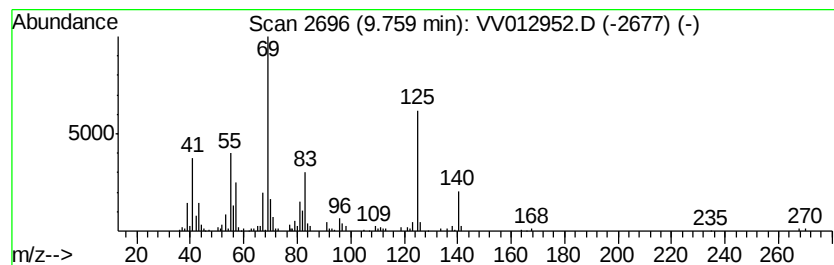
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TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Cyclic9.76 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	1.43 ug/L	121442	Chlorobenzene-d5	8.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	59
2		2-Nonene, 2-methyl-	140	C10H20	002129-95-5	46
3		2-Octene, 2,7-dimethyl-	140	C10H20	002050-81-9	46
4		2-Cyclohexen-1-ol, 3,5,5-trimethyl-	140	C9H16O	000470-99-5	45
5		Zinc, bis[2-(1,1-dimethylethyl)-...]	314	C18H34Zn	074793-36-5	45



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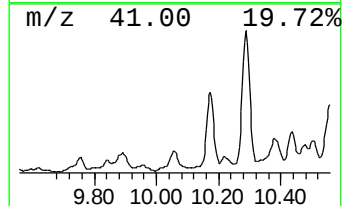
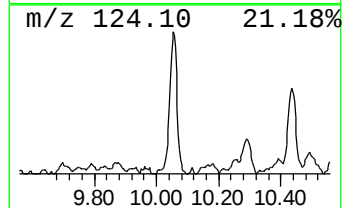
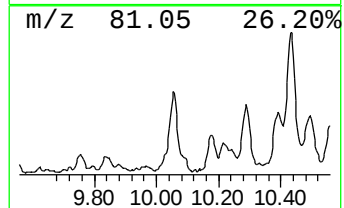
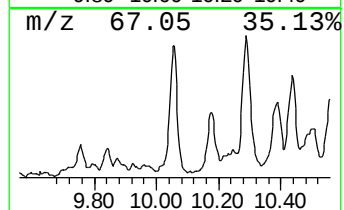
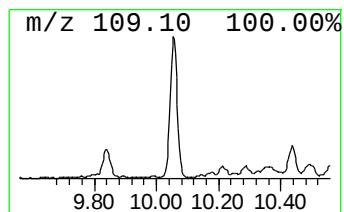
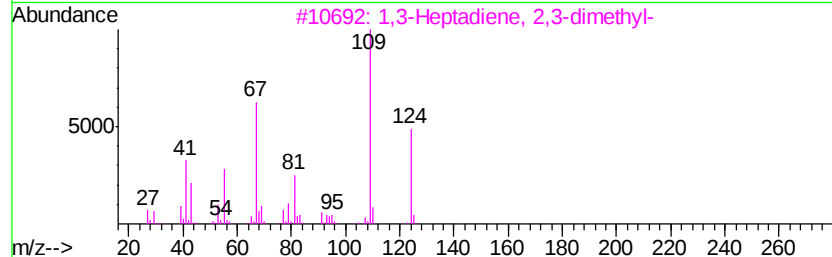
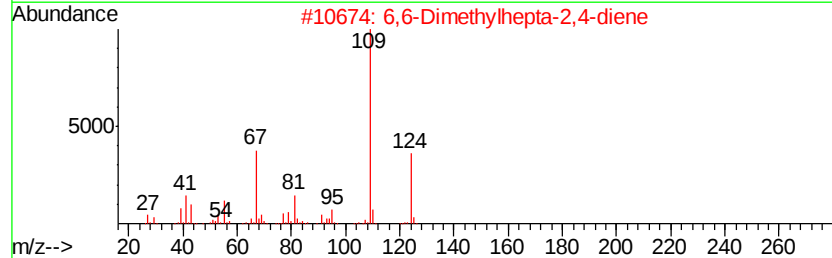
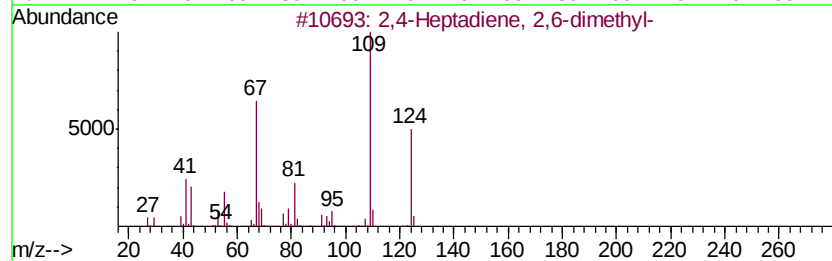
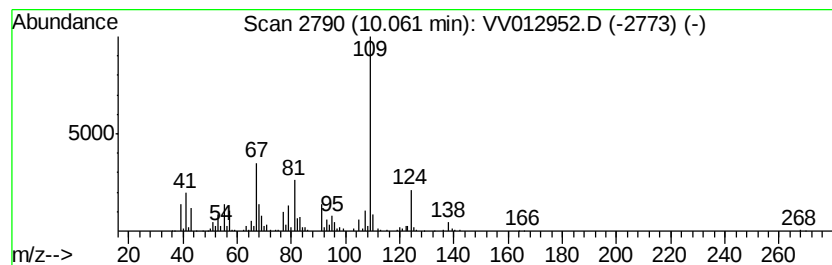
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ClientSampleId :
BEDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

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

Peak Number 4 2,4-Heptadiene, 2,6-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.06	3.09 ug/L	261910	Chlorobenzene-d5	8.91		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Heptadiene, 2,6-dimethyl-	124	C9H16	004634-87-1	94	
2	6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	87	
3	1,3-Heptadiene, 2,3-dimethyl-	124	C9H16	074779-65-0	86	
4	1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	76	
5	Cyclopentane, 2-ethylidene-1,1-d...	124	C9H16	056324-66-4	68	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BEDK9

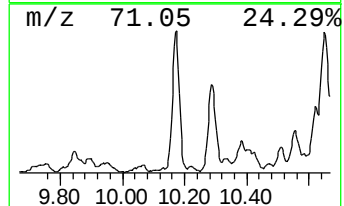
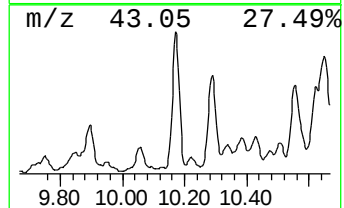
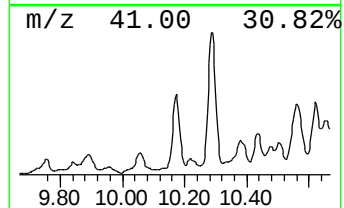
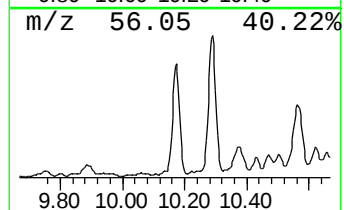
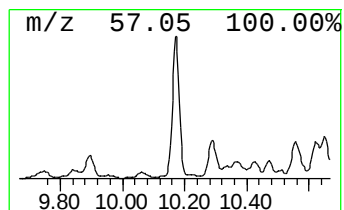
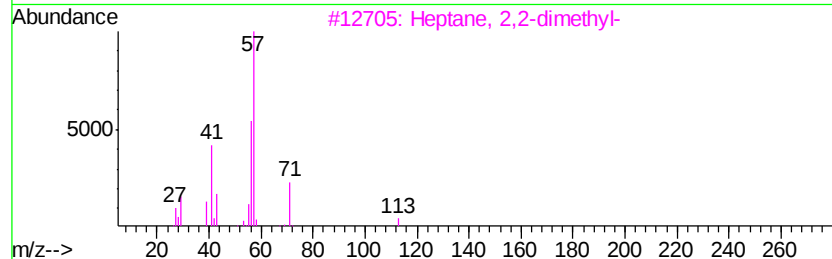
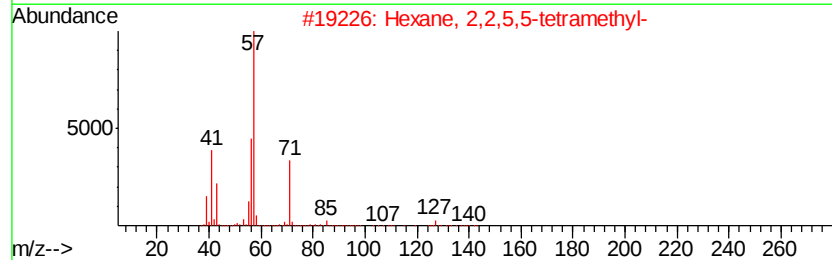
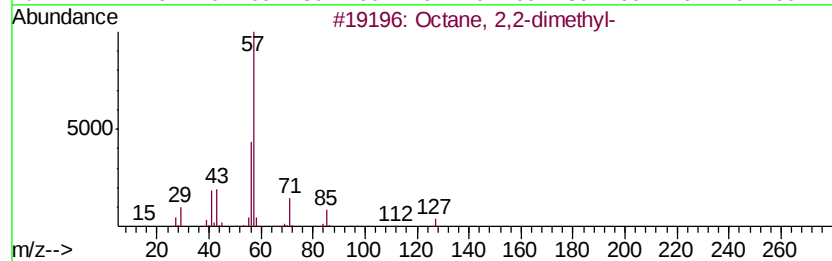
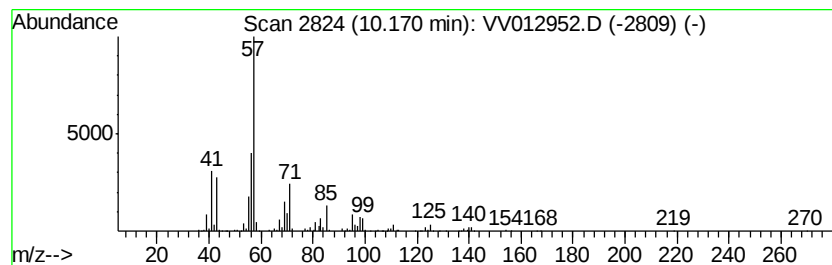
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	4.04 ug/L	493408	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	47
2		Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	47
3		Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	47
4		Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	47
5		Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

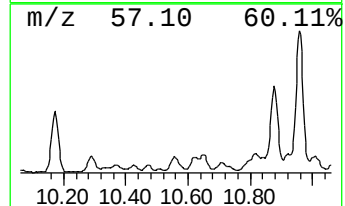
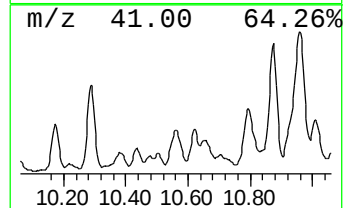
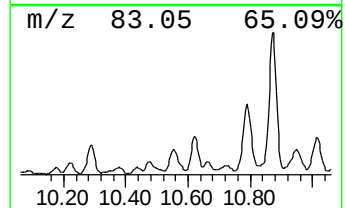
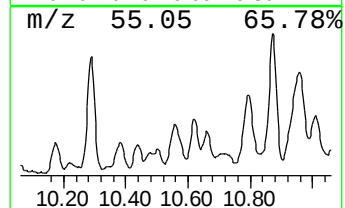
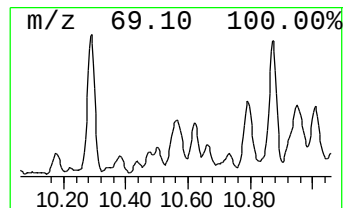
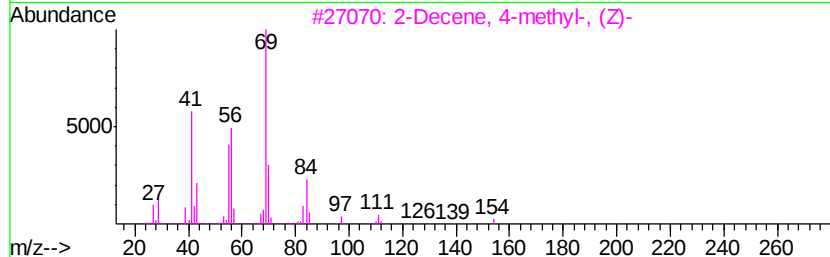
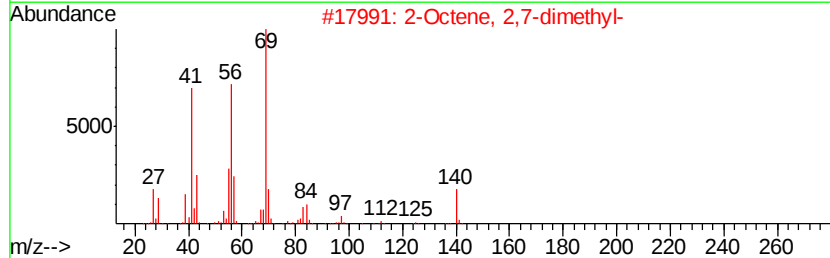
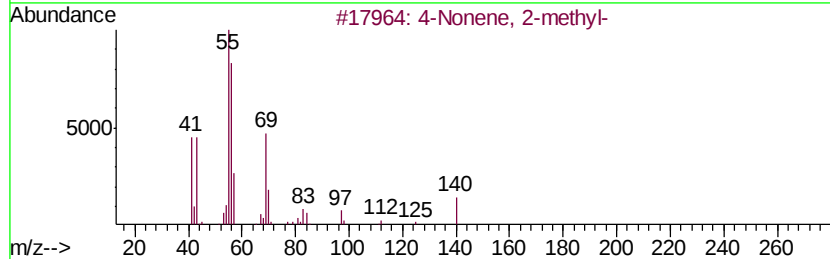
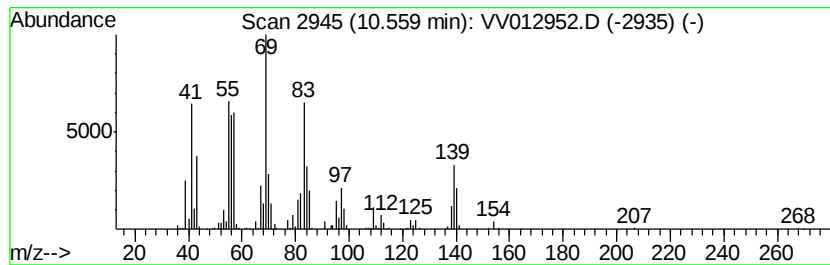
Instrument :
MSVOA_V
ClientSampleId :
BEDK9

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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Cyclic10.56 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.56	4.08 ug/L	498503	1,4-Dichlorobenzene-d4	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonene, 2-methyl-	140	C10H20	055724-84-0	64
2	2-Octene, 2,7-dimethyl-	140	C10H20	002050-81-9	49
3	2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	46
4	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	30
5	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	25



Data Path : Z:\voasrv\HPCHEM1\MSV0A_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

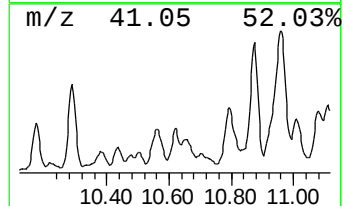
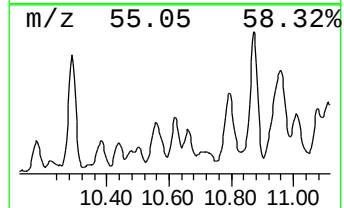
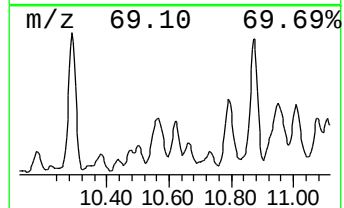
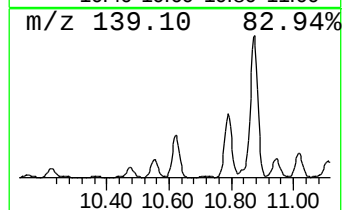
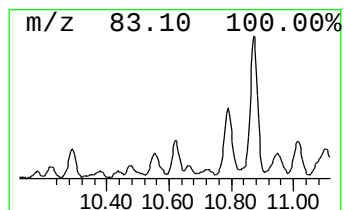
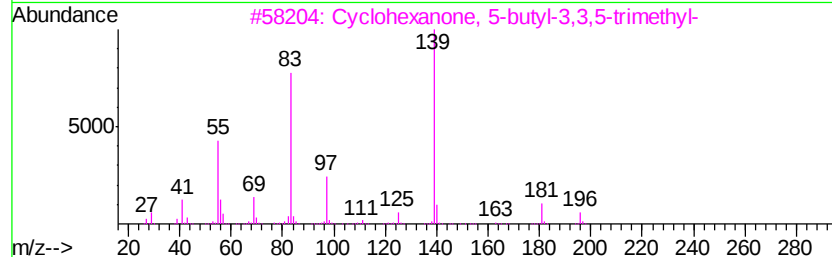
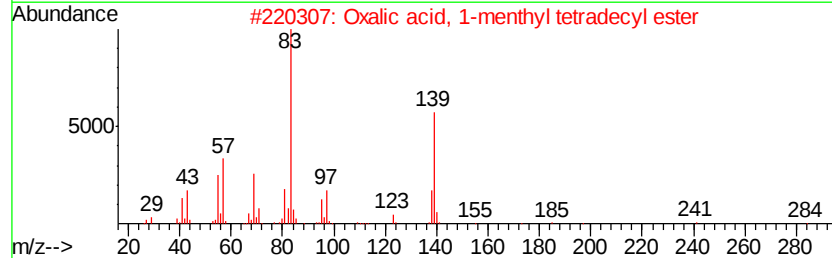
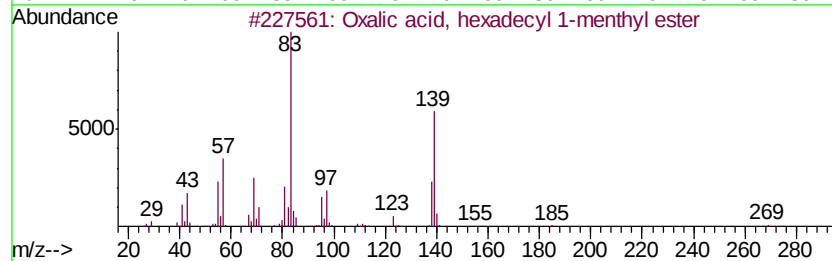
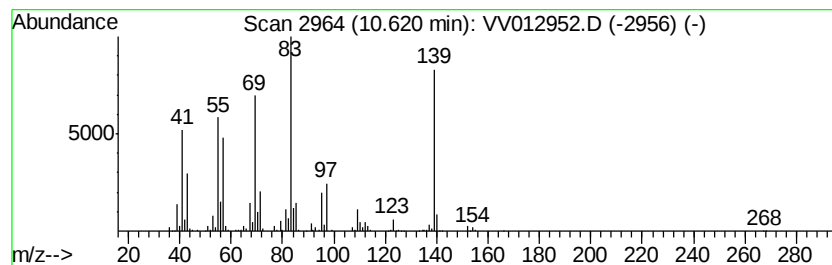
Instrument :
MSV0A_V
ClientSampled :
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Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

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

Peak Number 8 Oxalic acid, hexadecyl 1-me... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.62	2.87 ug/L	351080	1,4-Dichlorobenzene-d4	11.30		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, hexadecyl 1-menthyl...	452	C28H52O4	1000314-98-3	78	
2	Oxalic acid, 1-menthyl tetradecy...	424	C26H48O4	1000314-98-1	72	
3	Cyclohexanone, 5-butyl-3,3,5-tri...	196	C13H24O	041601-84-7	59	
4	((5-Isopropyl-2-methylcyclohexyl...	294	C17H26O2S	093542-25-7	53	
5	1,1,3,3,5-Pentamethylcyclohexane	154	C11H22	070810-19-4	43	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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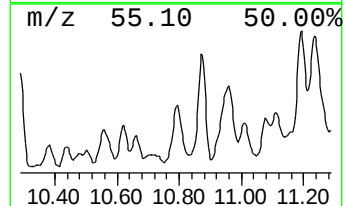
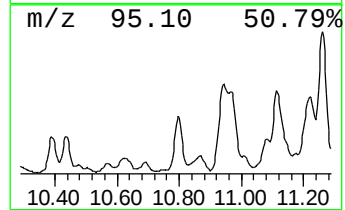
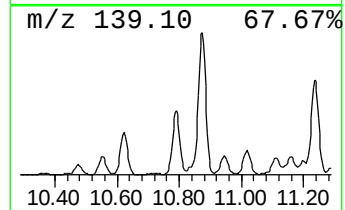
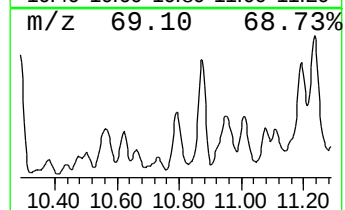
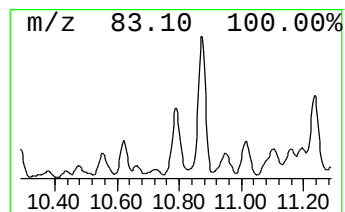
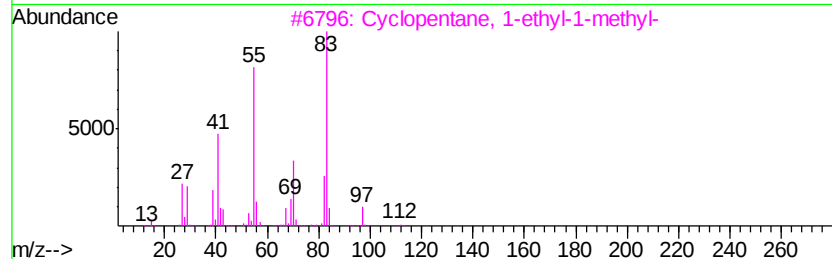
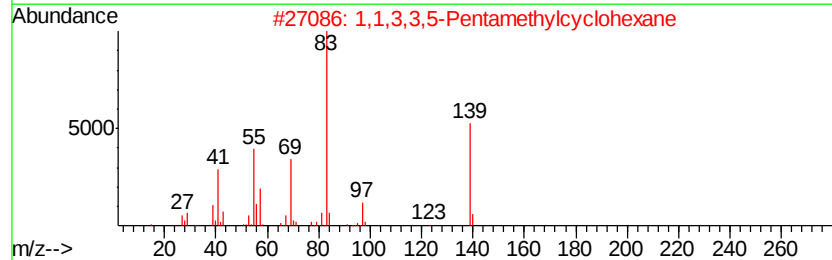
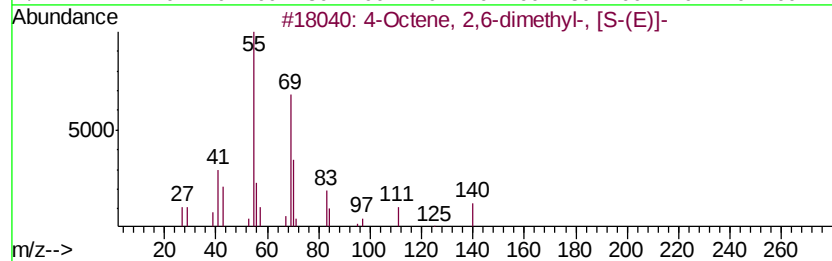
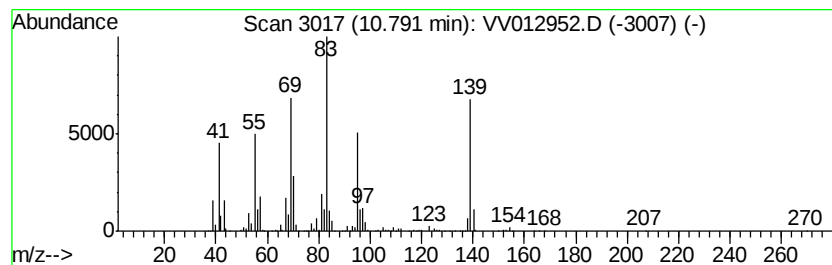
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic10.79 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	6.74 ug/L	824018	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	38
2		1,1,3,3,5-Pentamethylcyclohexane	154	C11H22	070810-19-4	38
3		Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	38
4		trans-4-Decene	140	C10H20	019398-89-1	35
5		2-Nonene, 2-methyl-	140	C10H20	002129-95-5	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BEDK9

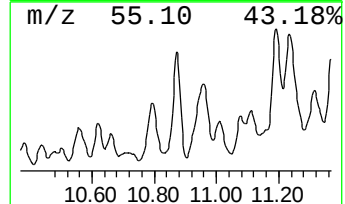
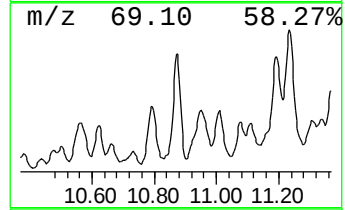
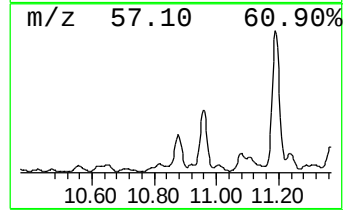
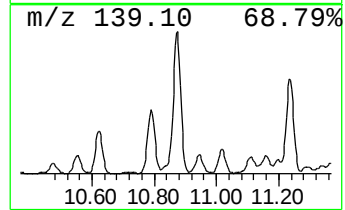
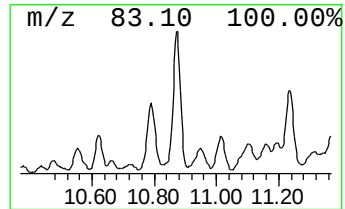
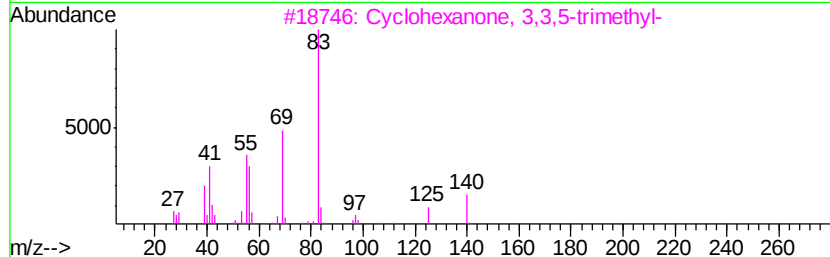
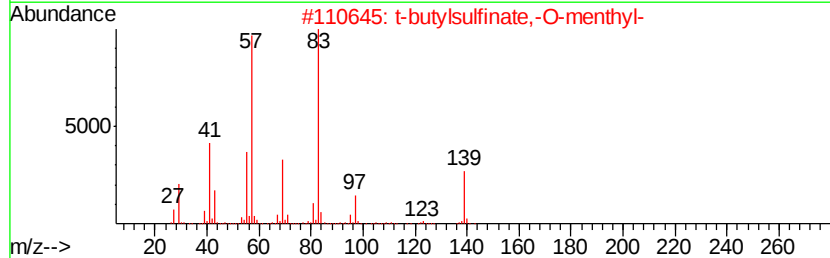
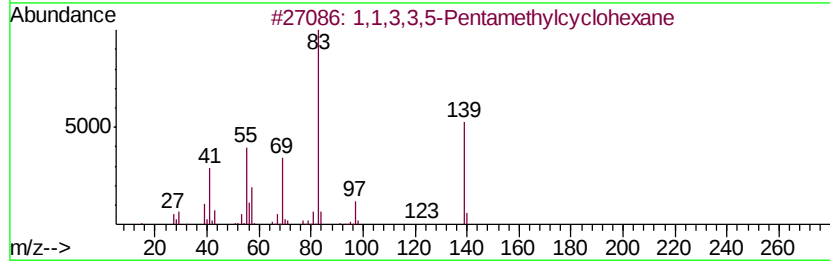
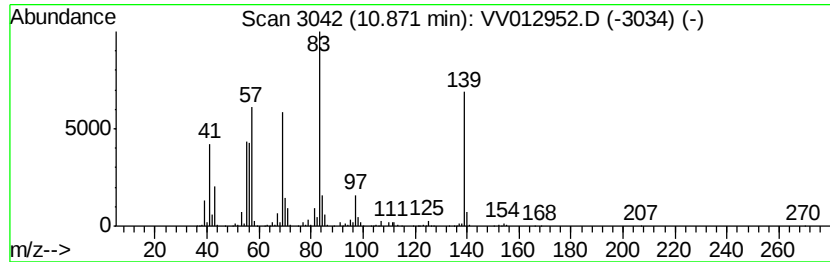
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic10.87 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	10.40 ug/L	1271080	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1,3,3,5-Pentamethylcyclohexane	154	C11H22	070810-19-4	59
2		t-butylsulfinate, -O-menthyl-	260	C14H28O2S	1000151-39-9	59
3		Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	50
4		Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	47
5		Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

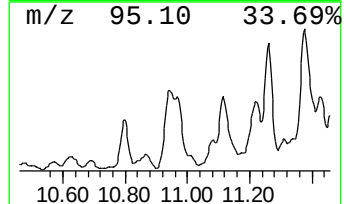
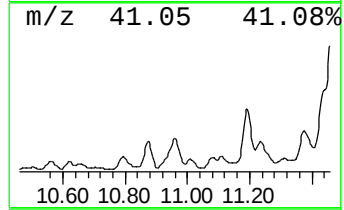
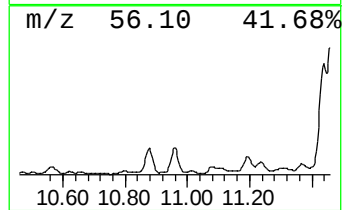
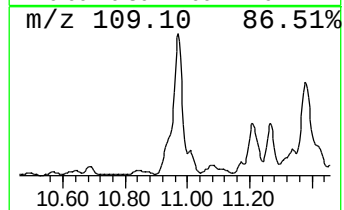
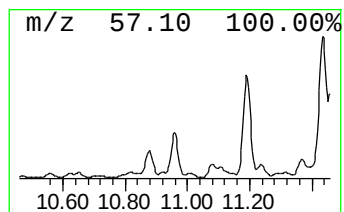
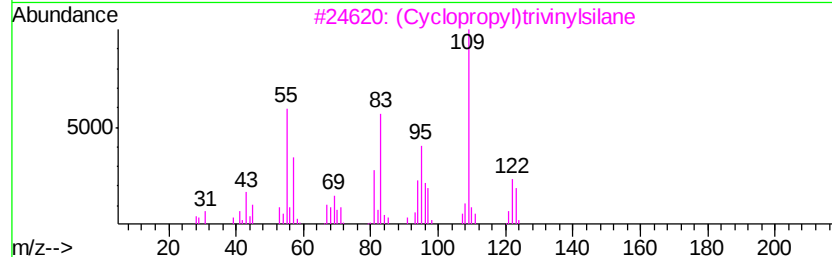
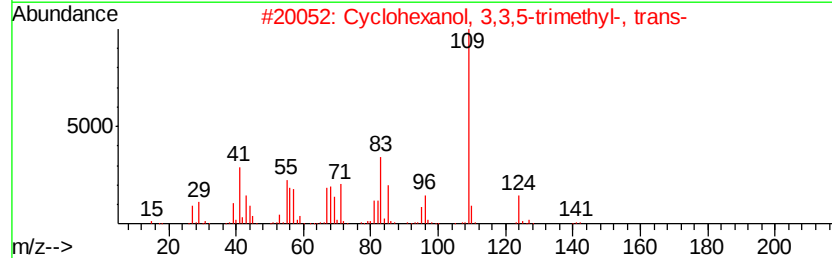
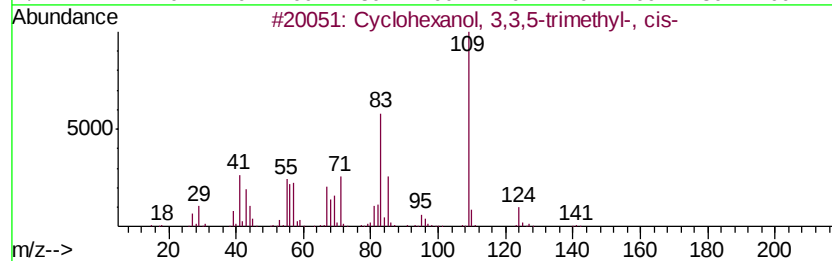
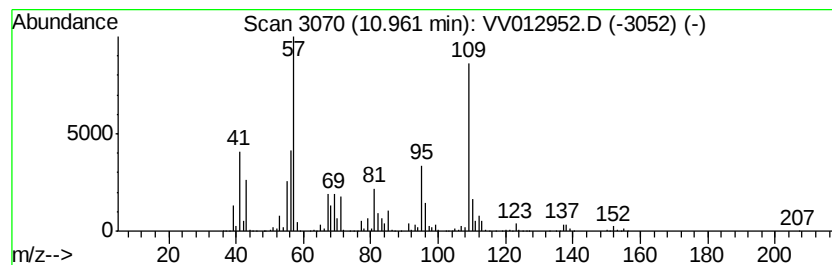
Instrument :
MSVOA_V
ClientSampleId :
BEDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

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

Peak Number 11 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	20.33 ug/L	2484040	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexanol, 3,3,5-trimethyl-, ...	142 C9H18O	000933-48-2 45
2		Cyclohexanol, 3,3,5-trimethyl-, ...	142 C9H18O	000767-54-4 38
3		(Cyclopropyl)trivinylsilane	150 C9H14Si	1000109-93-8 38
4		1,2,4,4-Tetramethylcyclopentene	124 C9H16	065378-76-9 35
5		4-Pyrimidinamine, 6-methyl-	109 C5H7N3	003435-28-7 25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

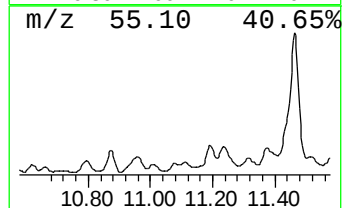
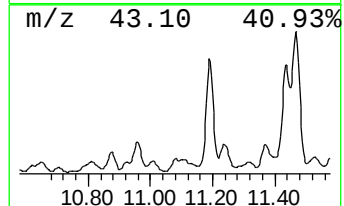
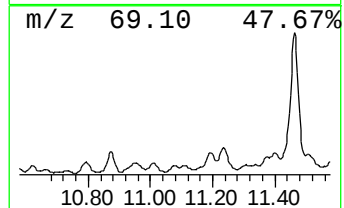
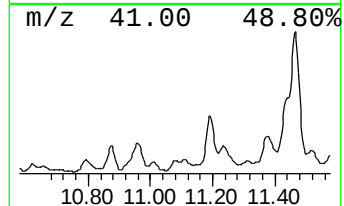
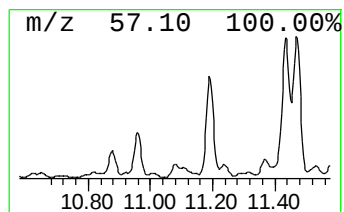
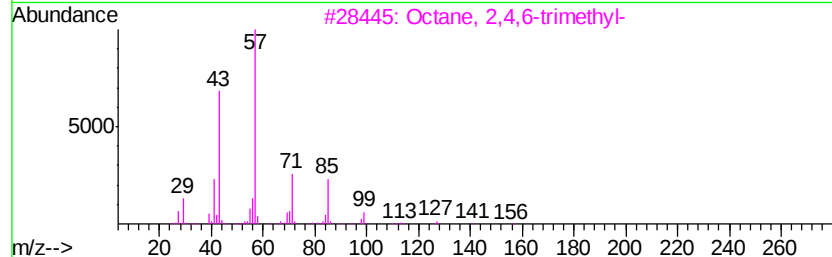
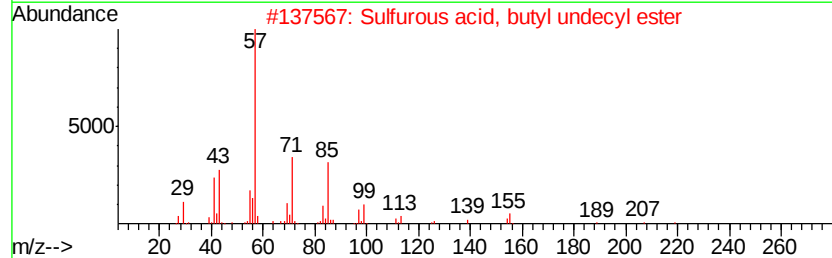
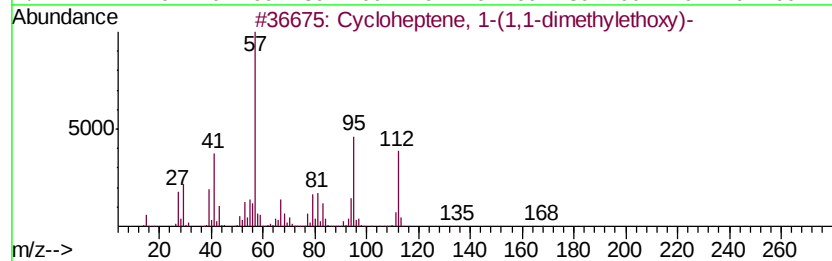
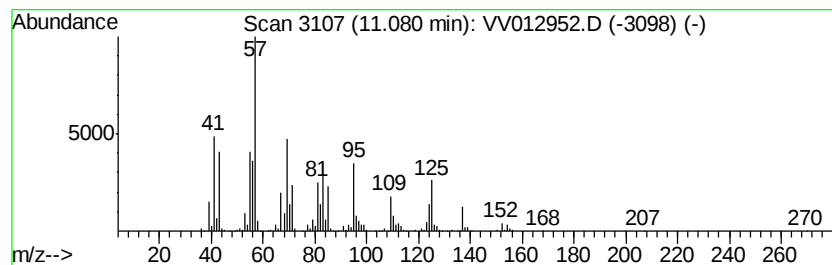
Instrument :
MSVOA_V
ClientSampleId :
BEDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

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

Peak Number 12 unknown-02 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	4.45 ug/L	544002	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cycloheptene, 1-(1,1-dimethyleth...	168 C11H200	049565-07-3 27
2		Sulfurous acid, butyl undecyl ester	292 C15H32O3S	1000309-17-8 22
3		Octane, 2,4,6-trimethyl-	156 C11H24	062016-37-9 22
4		2,2,6,6-Tetramethylheptane	156 C11H24	040117-45-1 22
5		Heptadecane, 1-bromo-	318 C17H35Br	003508-00-7 14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BEDK9

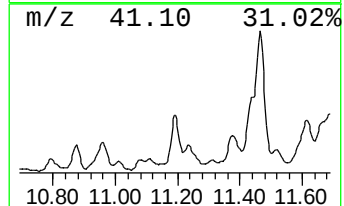
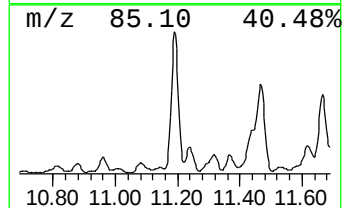
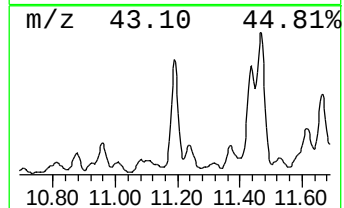
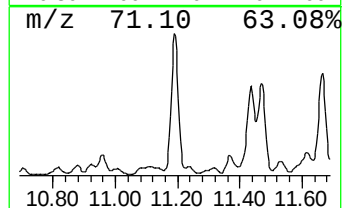
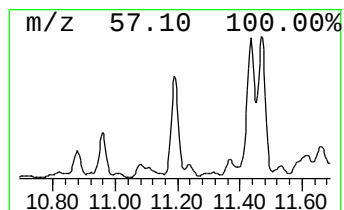
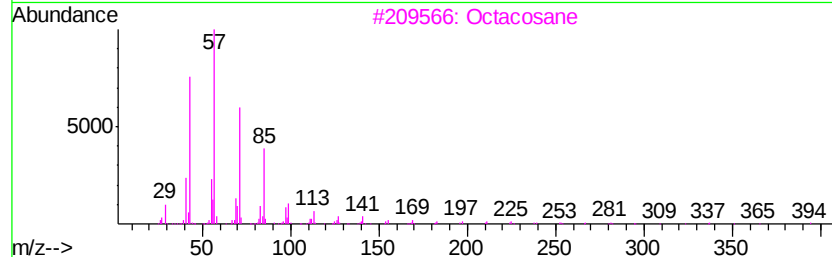
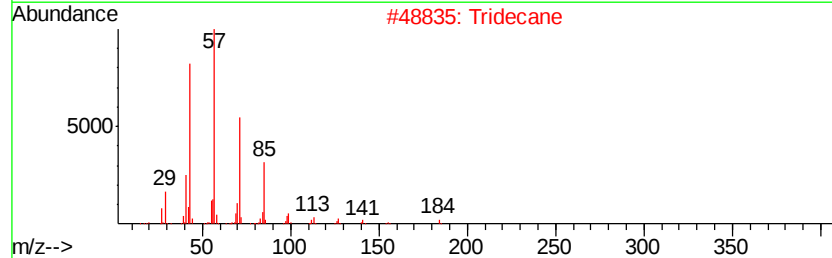
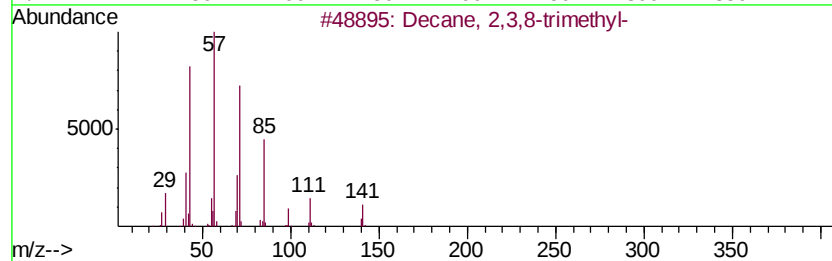
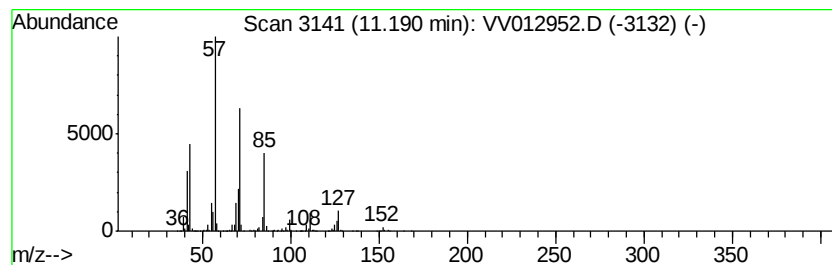
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	23.45 ug/L	2866030	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	72
2		Tridecane	184	C13H28	000629-50-5	59
3		Octacosane	394	C28H58	000630-02-4	53
4		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	50
5		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BEDK9

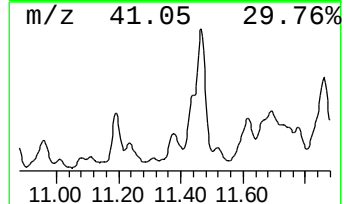
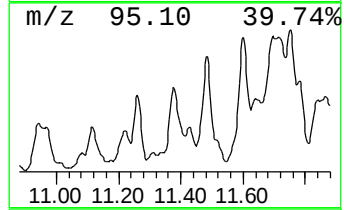
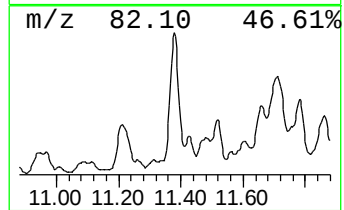
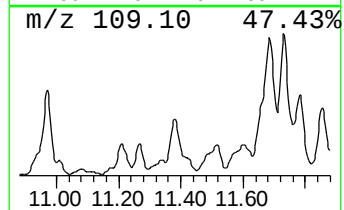
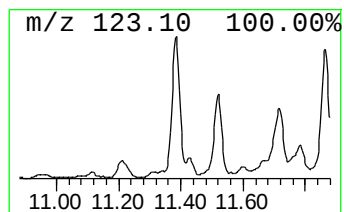
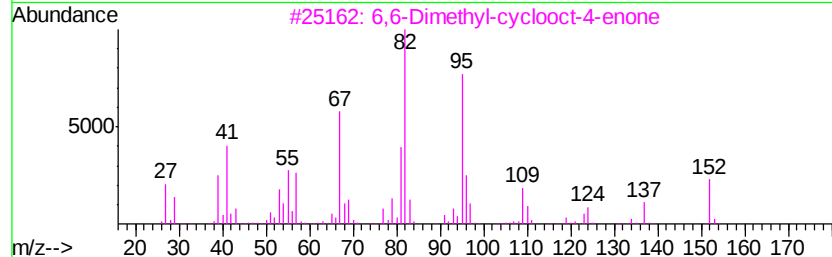
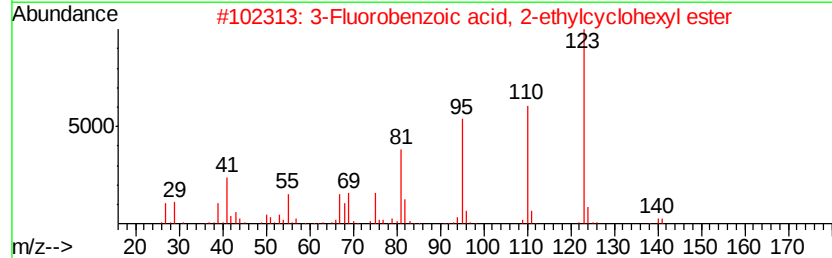
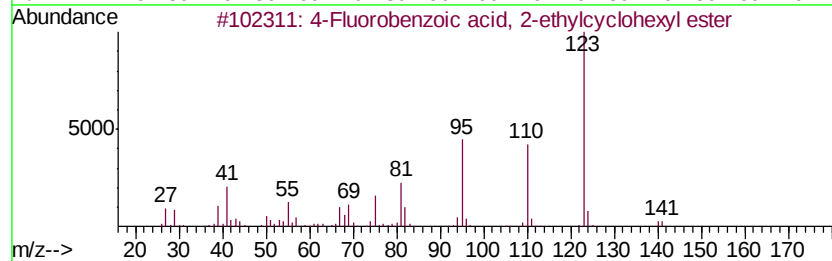
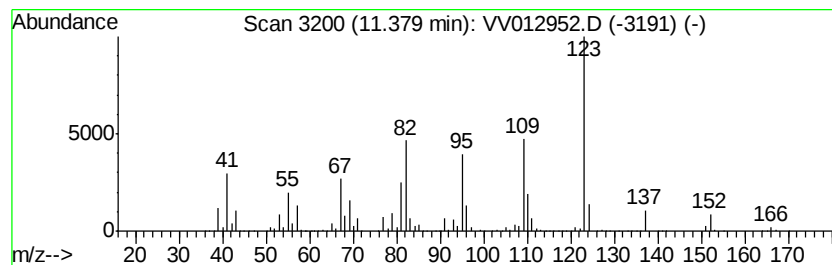
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Quant Title : VOC Analysis

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

Peak Number 14 unknown-03 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	18.46 ug/L	2256300	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Fluorobenzoic acid, 2-ethylcyc...	250	C15H19F02	1000279-06-0	43
2		3-Fluorobenzoic acid, 2-ethylcyc...	250	C15H19F02	1000279-04-9	43
3		6,6-Dimethyl-cyclooct-4-enone	152	C10H16O	1000194-10-0	43
4		1-Propanone, 1-(4-fluorophenyl)-	152	C9H9FO	000456-03-1	38
5		Ethanone, 1-(1,4-dimethyl-3-cycl...	152	C10H16O	043219-68-7	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BEDK9

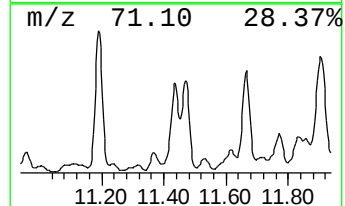
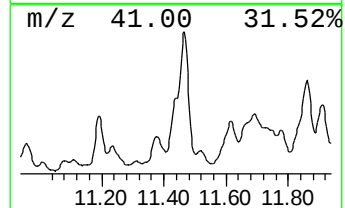
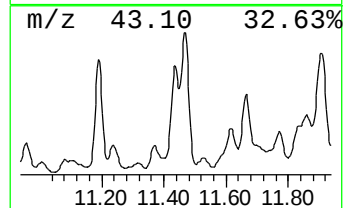
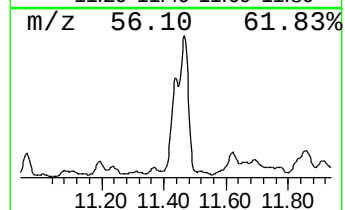
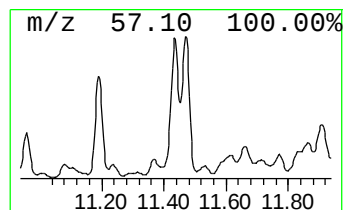
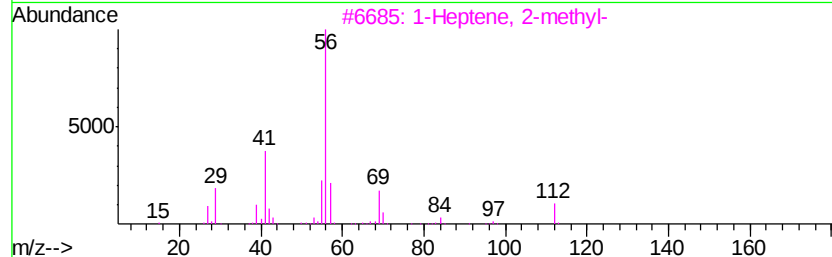
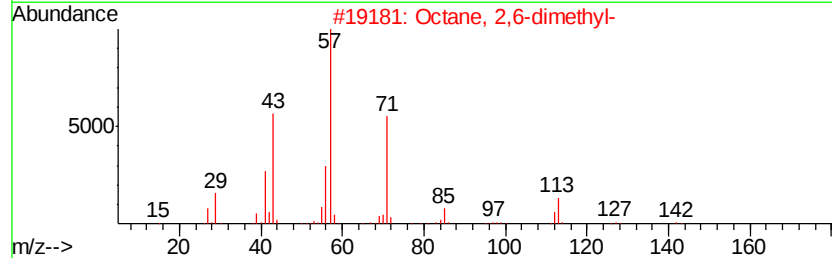
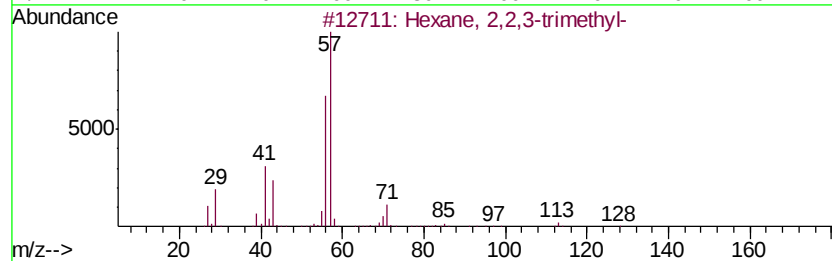
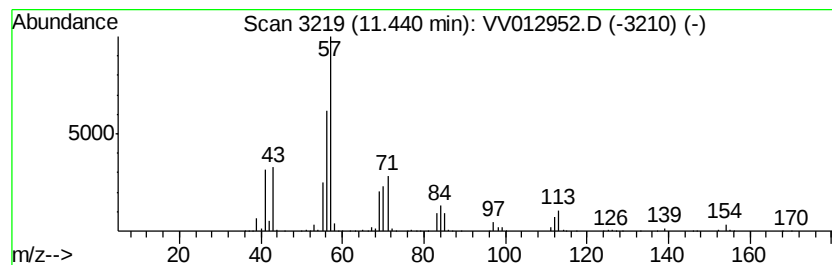
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	18.59 ug/L	2271350	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	50
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	47
3		1-Heptene, 2-methyl-	112	C8H16	015870-10-7	43
4		2-Heptene, 6-methyl-	112	C8H16	073548-72-8	43
5		Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

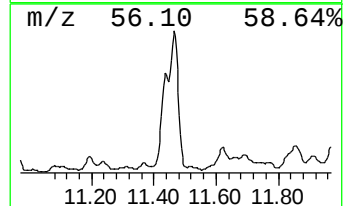
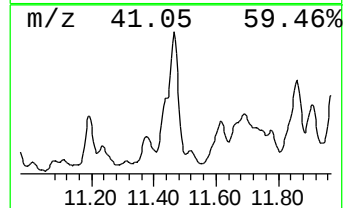
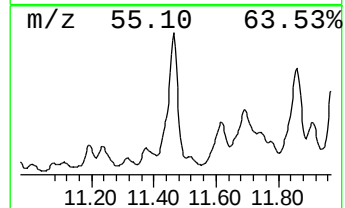
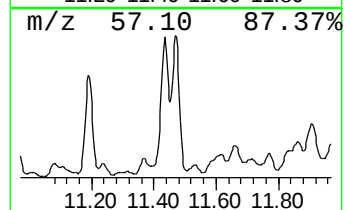
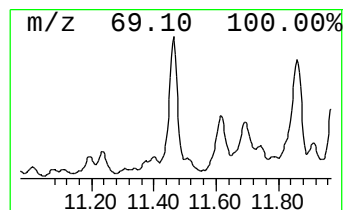
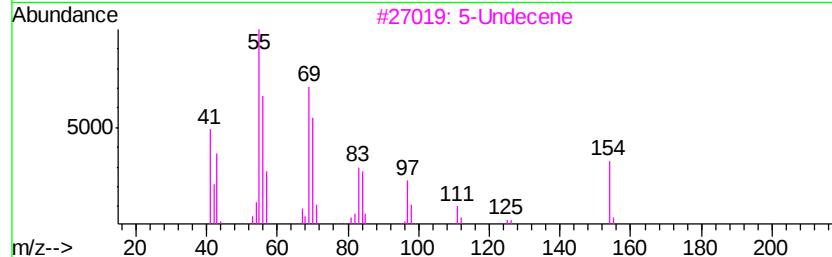
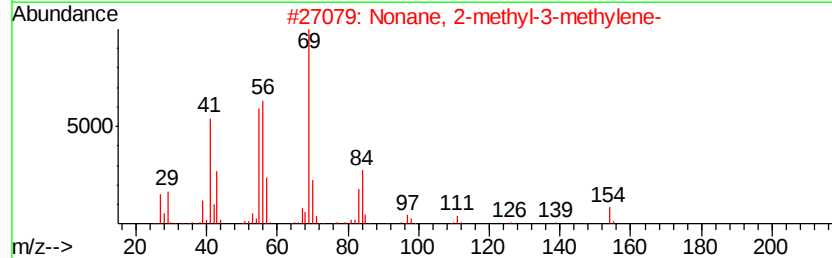
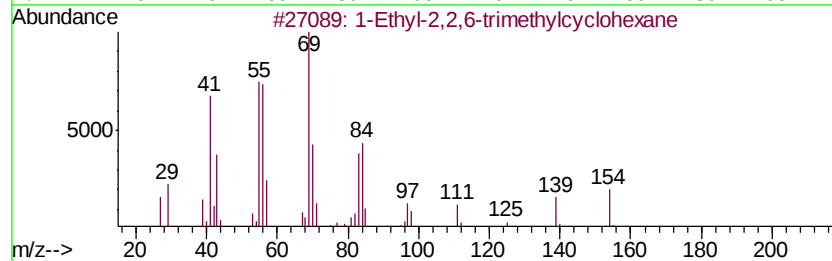
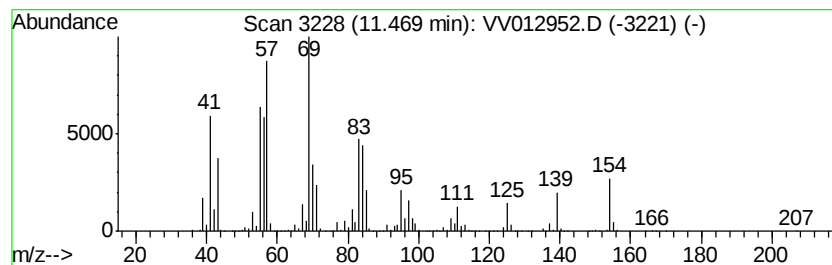
Instrument :
MSVOA_V
ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Cyclic11.47 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	50.94 ug/L	6225380	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Ethyl-2,2,6-trimethylcyclohexane	154 C11H22	071186-27-1 72
2		Nonane, 2-methyl-3-methylene-	154 C11H22	055499-08-6 68
3		5-Undecene	154 C11H22	004941-53-1 68
4		2-Undecene, 4-methyl-	168 C12H24	091695-32-8 52
5		4-Decene, 5-methyl-, (E)-	154 C11H22	062338-51-6 46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

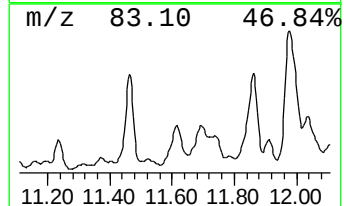
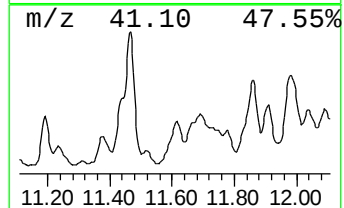
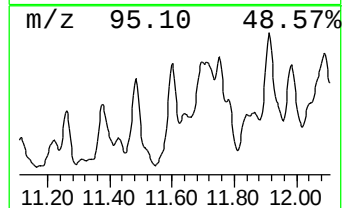
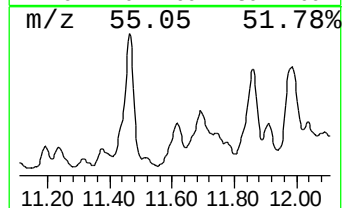
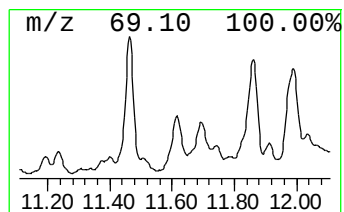
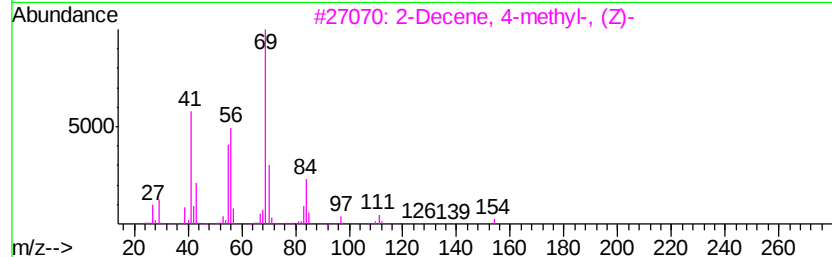
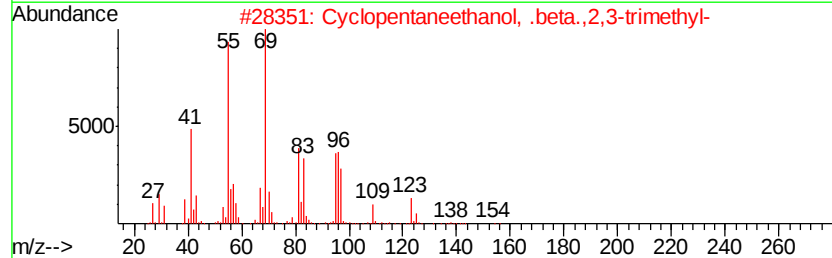
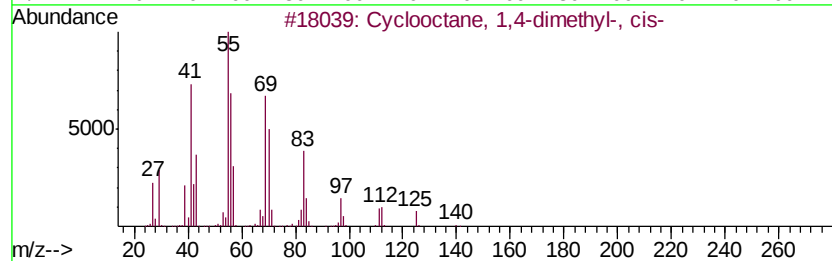
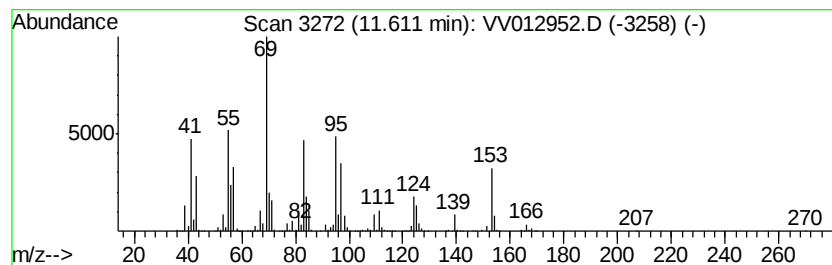
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic11.61 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	28.70 ug/L	3507790	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclooctane, 1,4-dimethyl-, cis-	140 C10H20	013151-99-0 53
2		Cyclopentaneethanol, .beta.,2,3-...	156 C10H20O	021721-18-6 50
3		2-Decene, 4-methyl-, (Z)-	154 C11H22	074630-30-1 38
4		Cyclohexane, 1,2,4-trimethyl-	126 C9H18	002234-75-5 27
5		1-Butene, 3,3-dimethyl-	84 C6H12	000558-37-2 27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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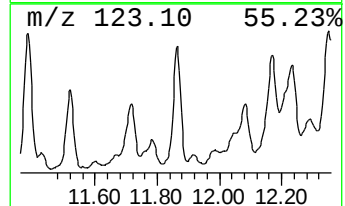
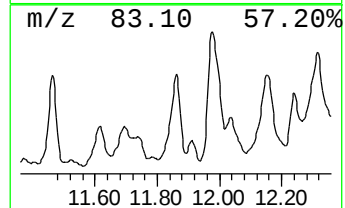
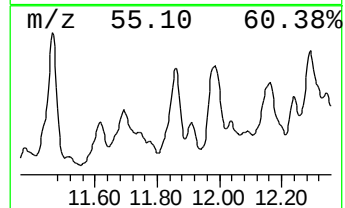
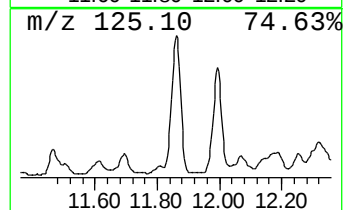
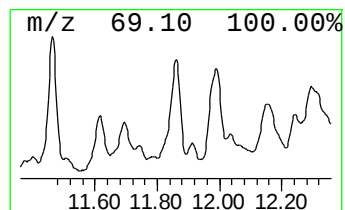
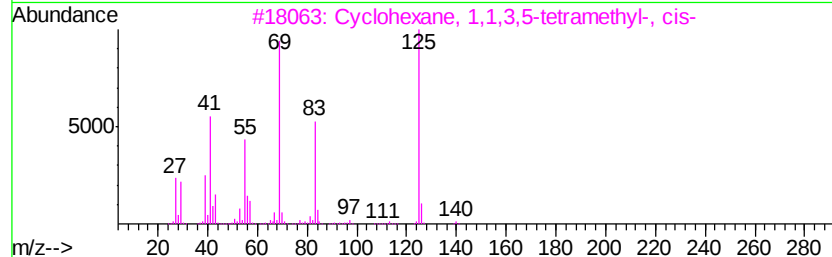
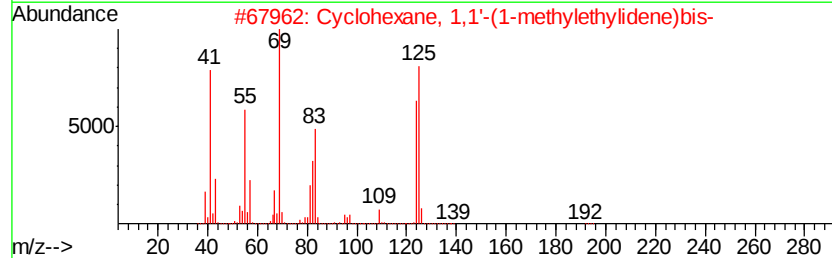
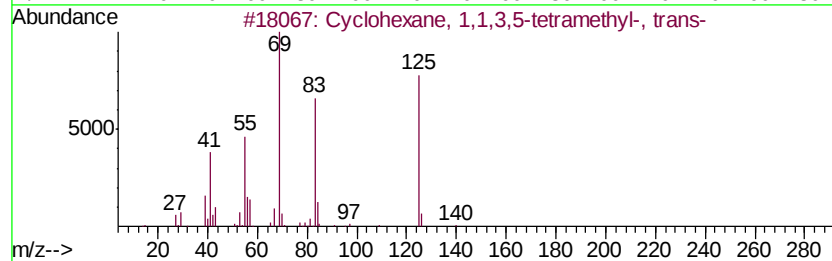
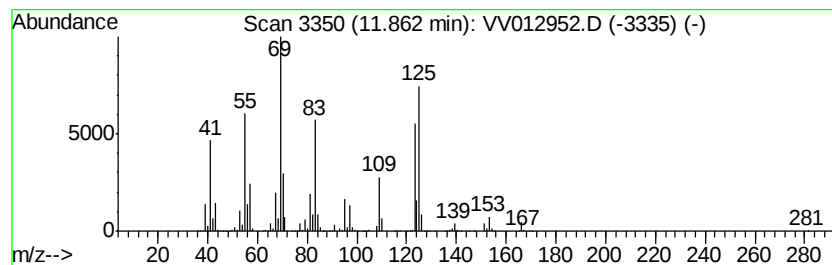
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Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Cyclic11.86 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	42.29 ug/L	5168480	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	58
2		Cyclohexane, 1,1'-(1-methylethyl...	208	C15H28	054934-90-6	53
3		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	47
4		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	47
5		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BEDK9

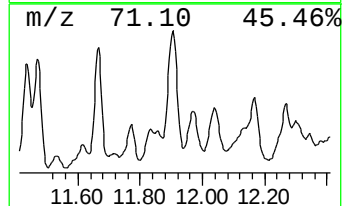
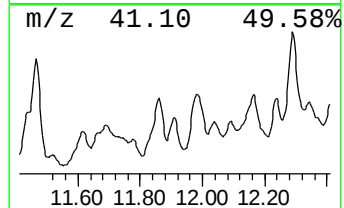
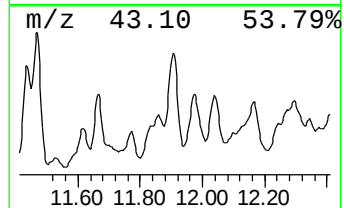
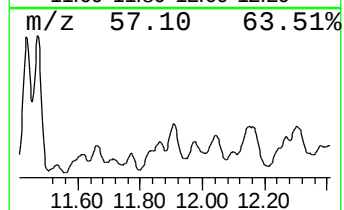
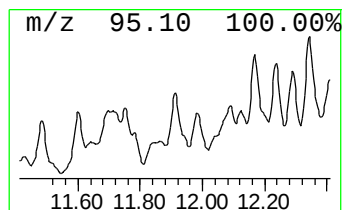
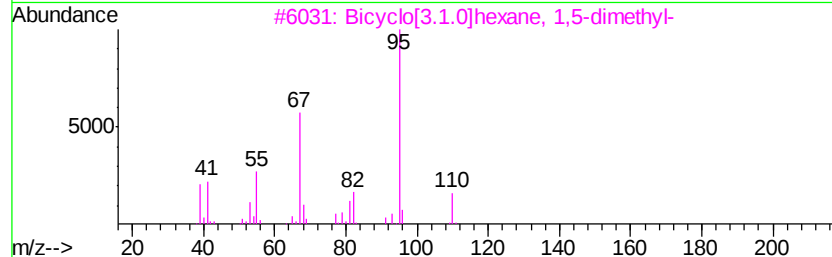
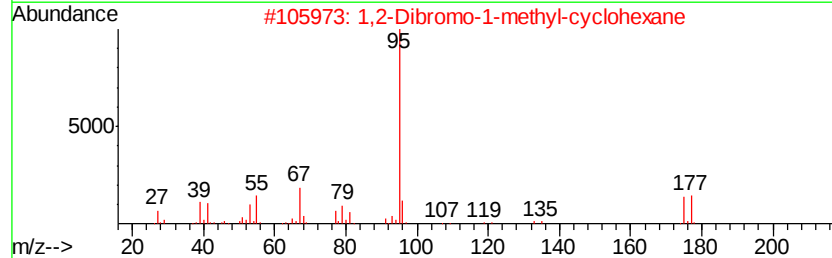
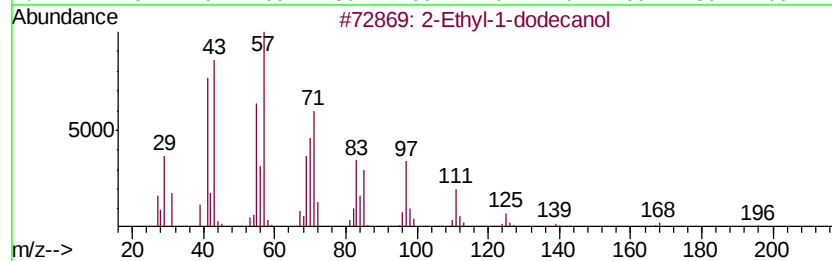
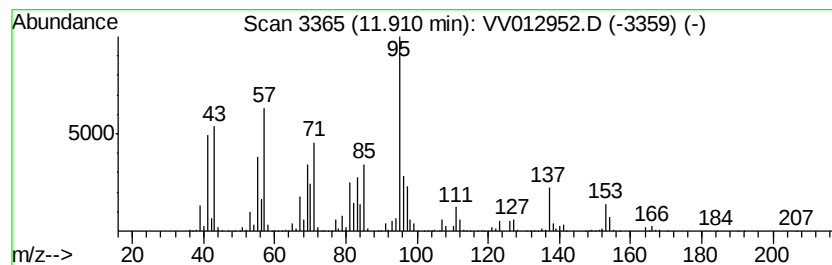
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Quant Title : VOC Analysis

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

Peak Number 19 unknown-04 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	16.05 ug/L	1961720	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Ethyl-1-dodecanol	214	C14H30O	019780-33-7	27
2		1,2-Dibromo-1-methyl-cyclohexane	254	C7H12Br2	1000192-26-1	22
3		Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	22
4		Decane, 5-propyl-	184	C13H28	017312-62-8	15
5		Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	15



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

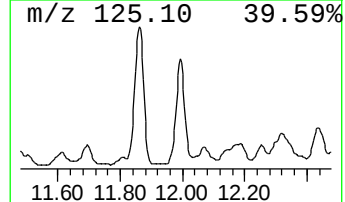
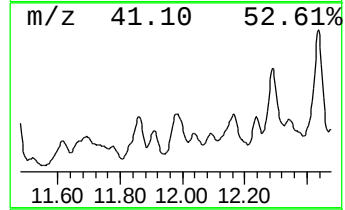
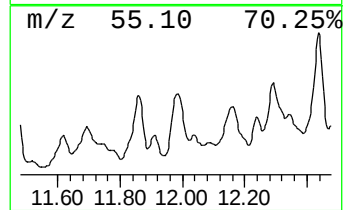
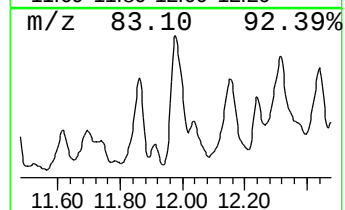
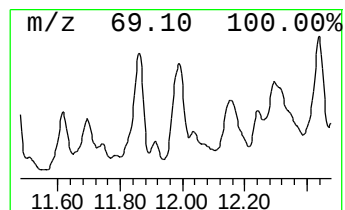
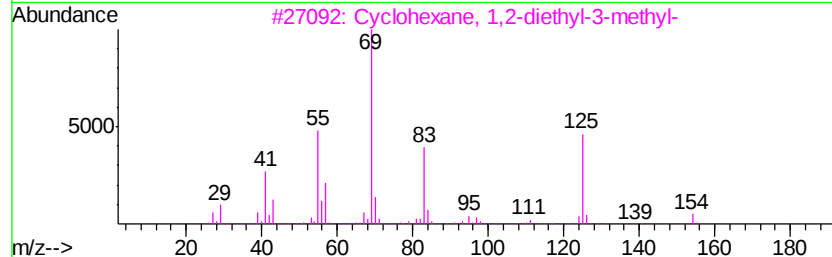
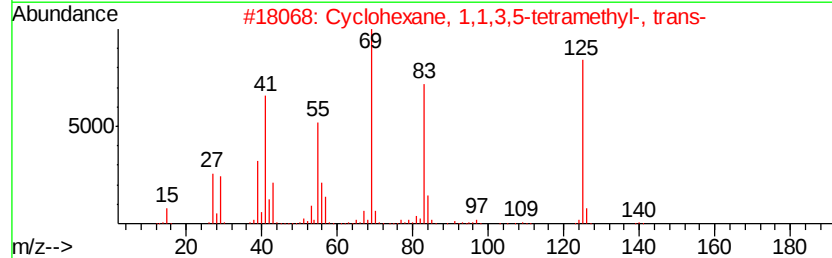
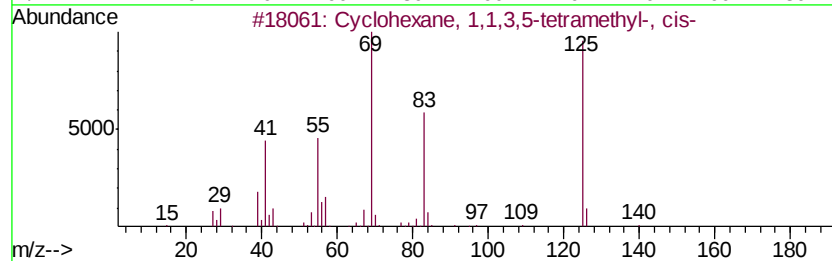
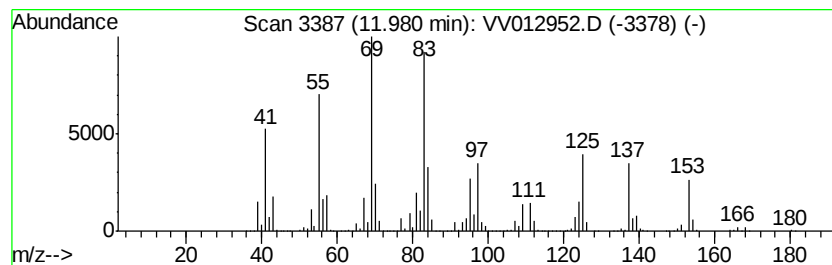
Instrument :
MSVOA_V
ClientSampleId :
BEDK9

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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Cyclic11.98 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	48.79 ug/L	5962850	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1,1,3,5-tetramethyl...	140 C10H20	050876-32-9 47
2		Cyclohexane, 1,1,3,5-tetramethyl...	140 C10H20	050876-31-8 47
3		Cyclohexane, 1,2-diethyl-3-methyl-	154 C11H22	061141-80-8 35
4		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152 C10H16O	018358-53-7 22
5		2,2,4-Trimethyl-3-hexene	126 C9H18	059643-72-0 22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BEDK9

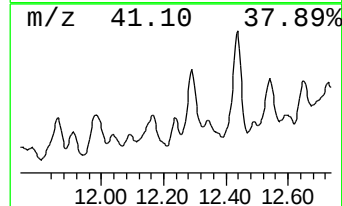
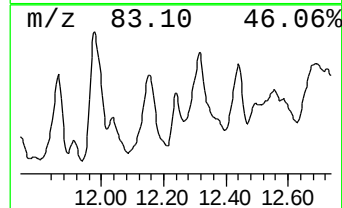
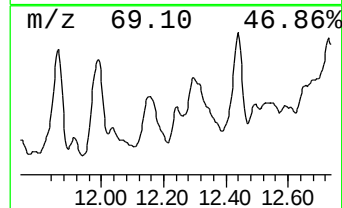
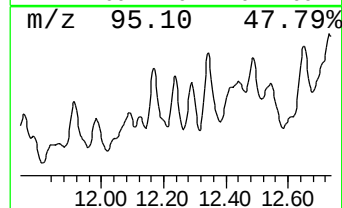
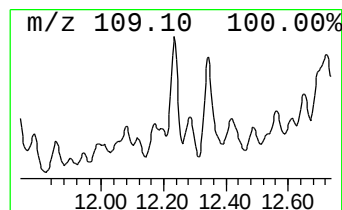
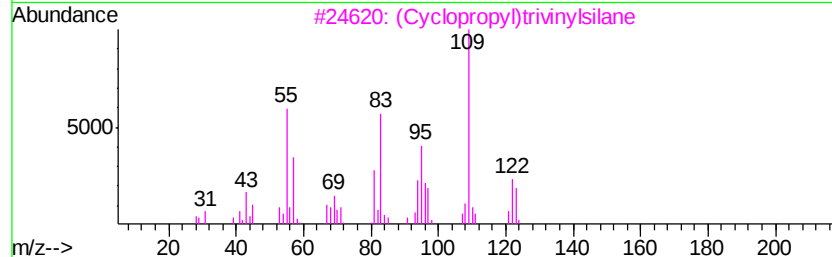
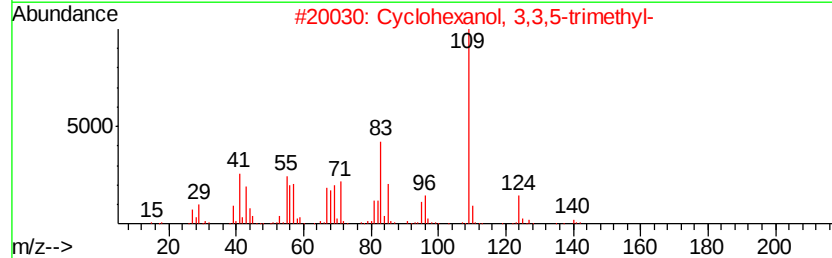
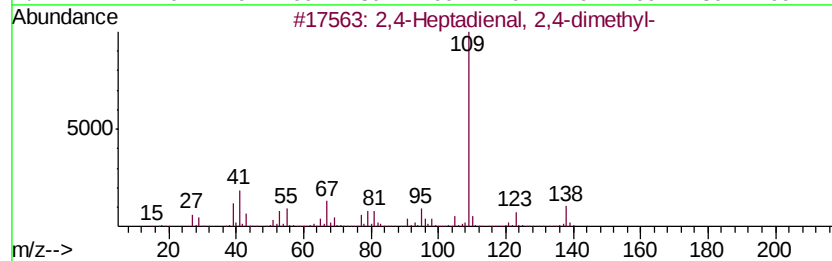
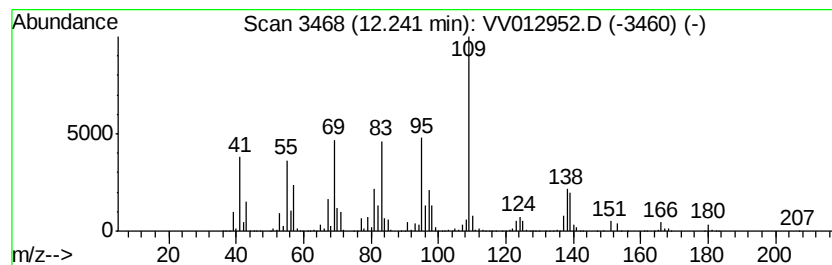
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Quant Title : VOC Analysis

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

Peak Number 21 unknown-05 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	22.77 ug/L	2782510	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4-Heptadienal, 2,4-dimethyl-	138	C9H14O	042452-48-2	47
2		Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	37
3		(Cyclopropyl)trivinylsilane	150	C9H14Si	1000109-93-8	32
4		2-Cyclopenten-1-one, 3,4,5-trime...	124	C8H12O	055683-21-1	30
5		Metacetamol	151	C8H9NO2	000621-42-1	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BEDK9

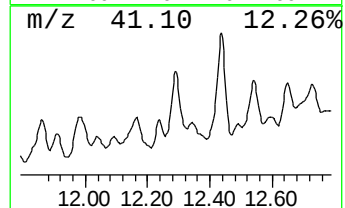
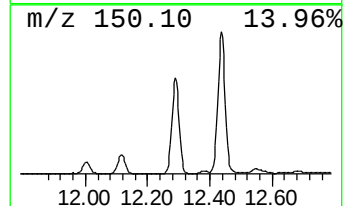
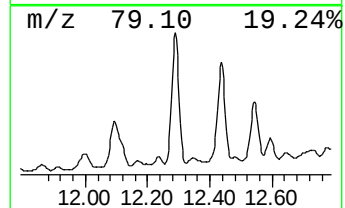
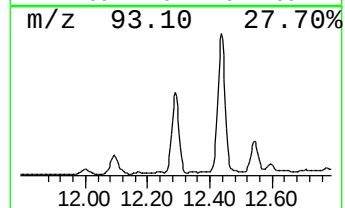
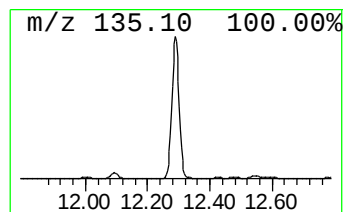
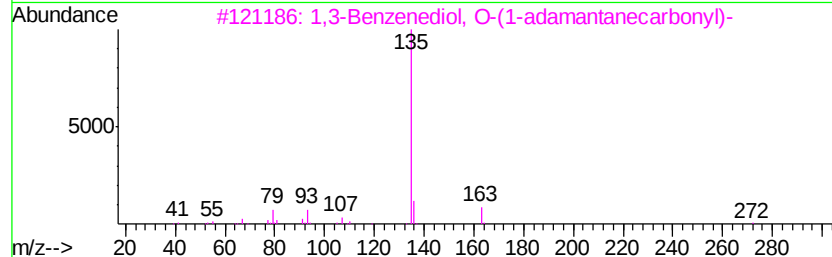
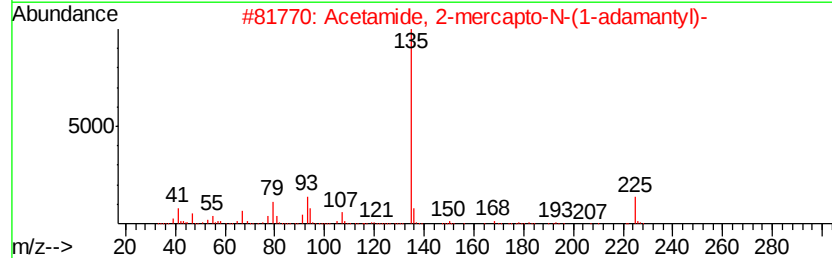
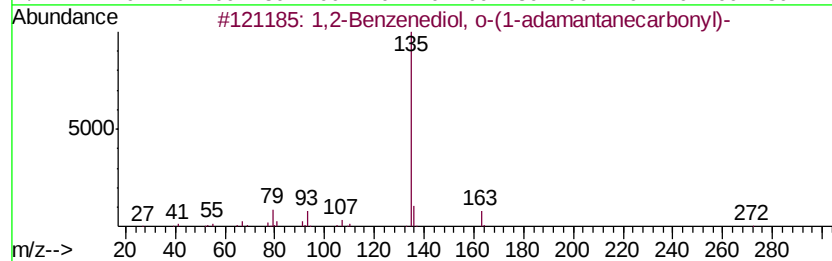
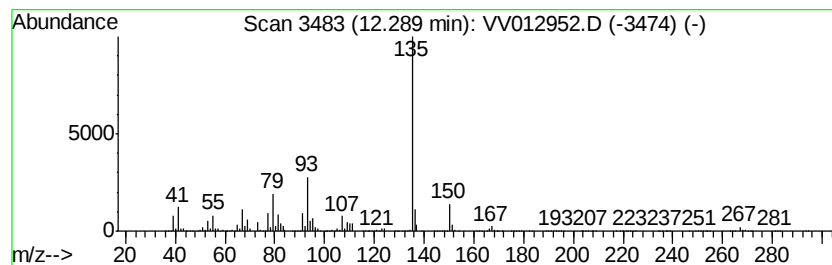
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Quant Title : VOC Analysis

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

Peak Number 22 1,2-Benzenediol, o-(1-adama... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	98.02 ug/L	11979300	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2-Benzenediol, o-(1-adamantane...	272	C17H20O3	1000325-99-6	76
2		Acetamide, 2-mercapto-N-(1-adama...	225	C12H19NOS	069094-79-7	76
3		1,3-Benzenediol, O-(1-adamantane...	272	C17H20O3	1000345-57-3	76
4		Tricyclo[3.3.1.1(3,7)]decane, 1-...	181	C10H15NO2	007575-82-8	64
5		N-(3-Hydroxy-2,6-dimethyl-4-pyri...	300	C18H24N2O2	1000260-99-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BEDK9

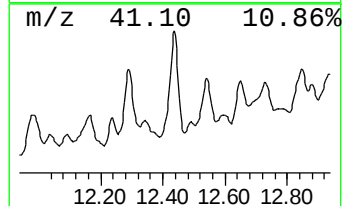
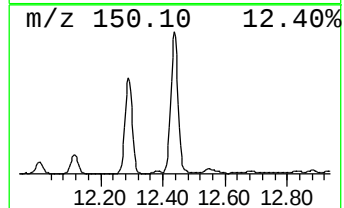
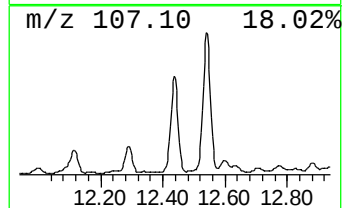
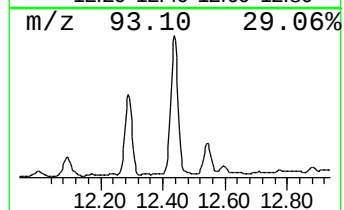
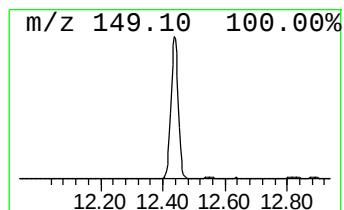
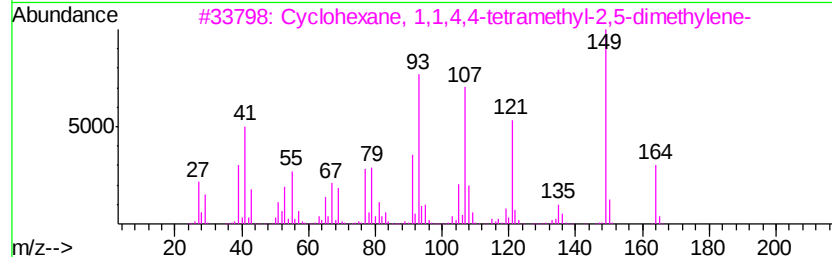
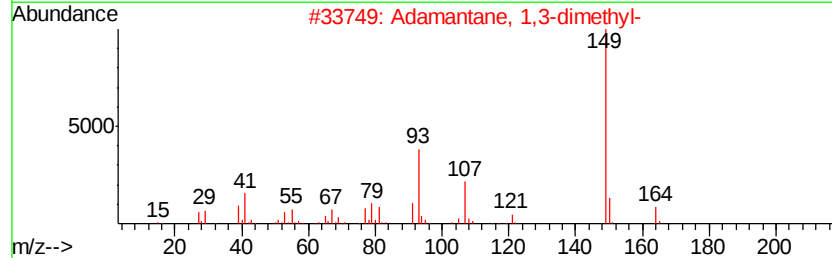
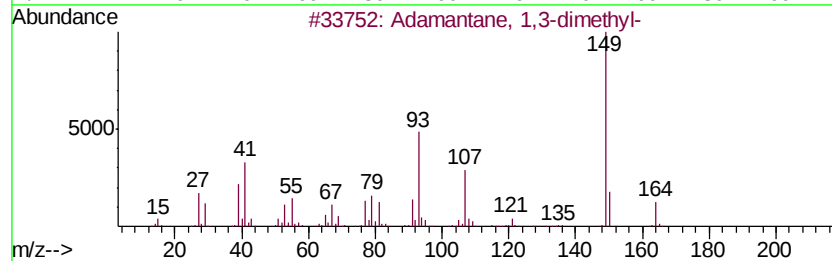
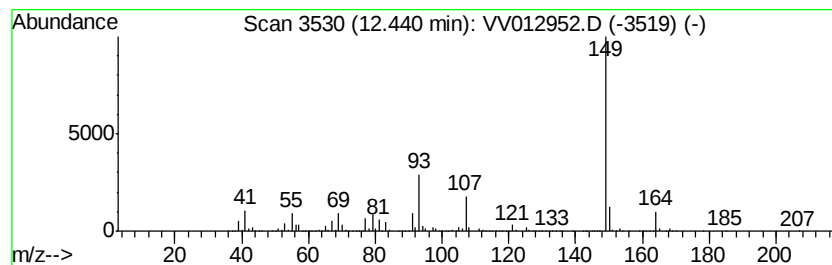
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Quant Title : VOC Analysis

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

Peak Number 23 Adamantane, 1,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	138.89 ug/L	16974200	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	87
2		Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	64
3		Cyclohexane, 1,1,4,4-tetramethyl...	164	C12H20	1000154-20-4	53
4		Pyridinium, 1-(acetylamino)-2,6-...	164	C9H12N2O	031020-35-6	53
5		Phthalic acid, 2-methylpent-3-yl...	432	C27H44O4	1000356-91-8	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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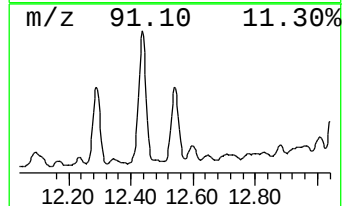
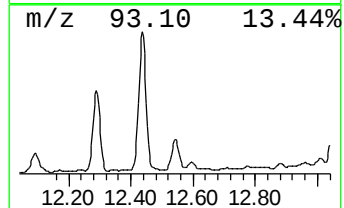
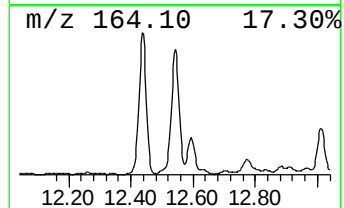
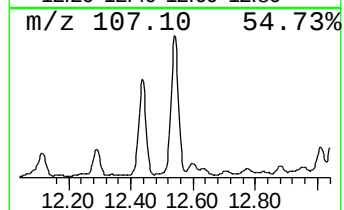
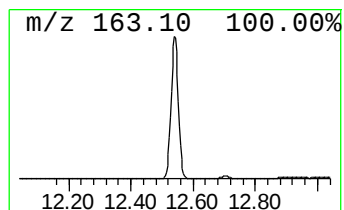
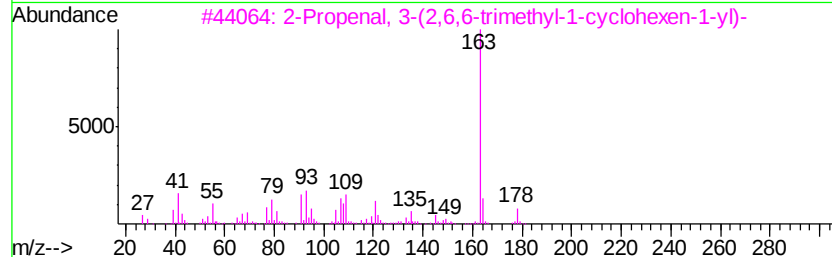
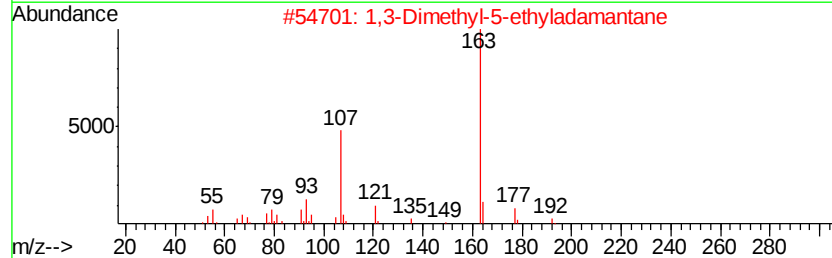
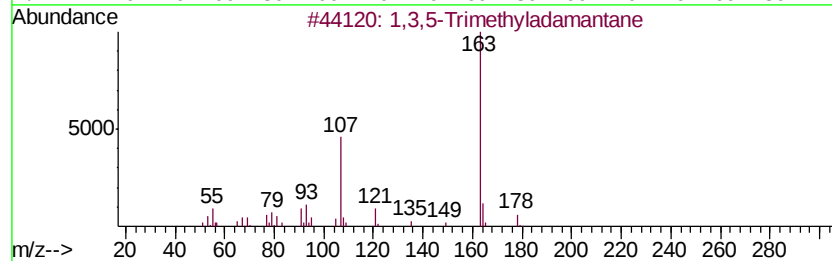
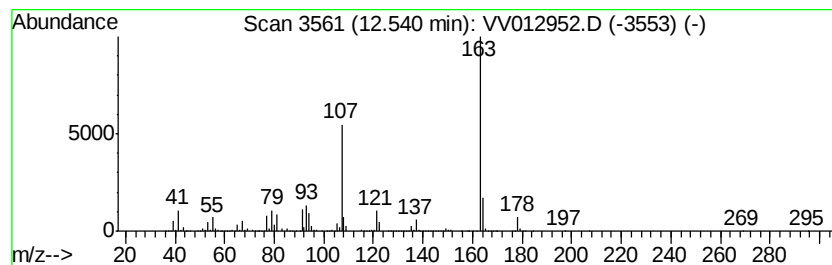
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Quant Title : VOC Analysis

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

Peak Number 24 1,3,5-Trimethyladamantane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	71.29 ug/L	8712440	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3,5-Trimethyladamantane	178	C13H22	000707-35-7	87
2		1,3-Dimethyl-5-ethyladamantane	192	C14H24	001687-35-0	78
3		2-Propenal, 3-(2,6,6-trimethyl-1...	178	C12H18O	004951-40-0	64
4		l-Tyrophanamide	180	C9H12N2O2	1000131-25-3	53
5		Benzeneethanol, .beta.-(1-methyl...	270	C18H22O2	053288-15-6	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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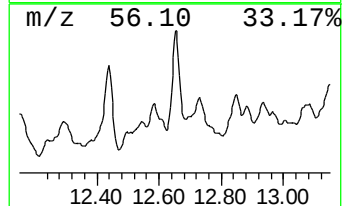
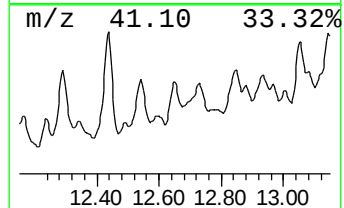
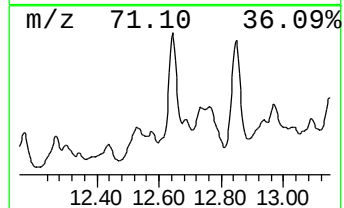
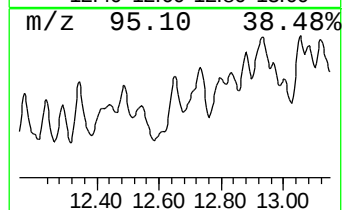
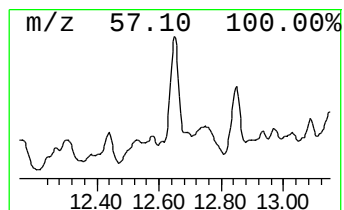
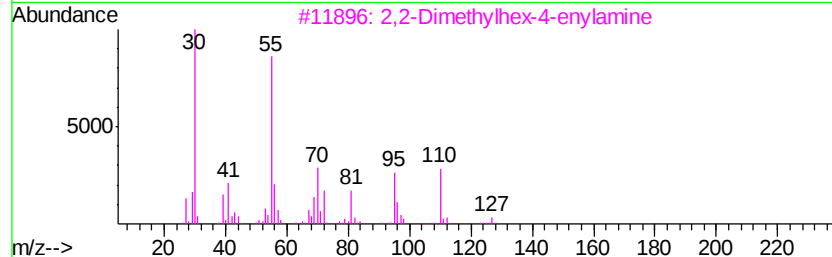
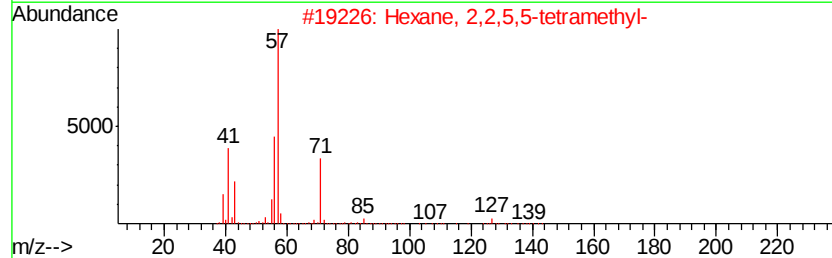
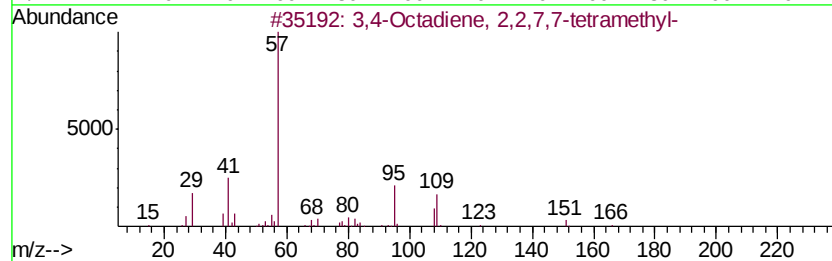
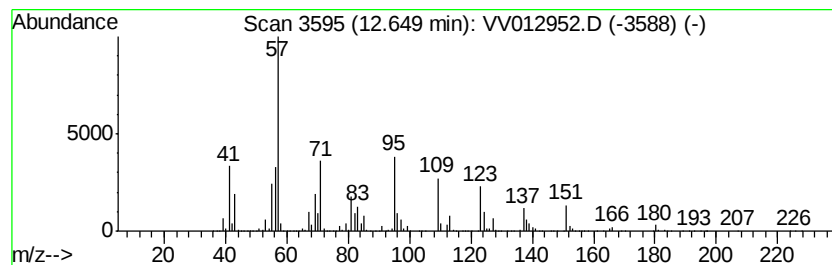
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Quant Title : VOC Analysis

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

Peak Number 25 unknown-06 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	35.31 ug/L	4315200	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Octadiene, 2,2,7,7-tetramethyl-	166	C12H22	061092-76-0	22
2			Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	14
3			2,2-Dimethylhex-4-enylamine	127	C8H17N	133885-74-2	14
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	14
5			Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
BEDK9

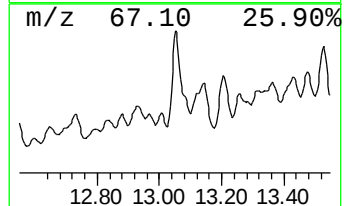
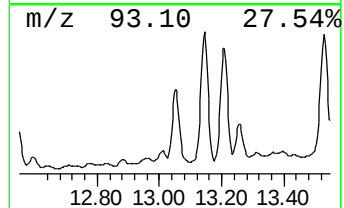
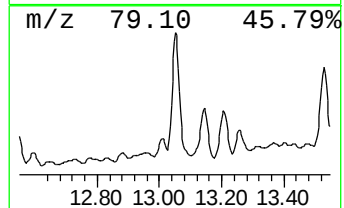
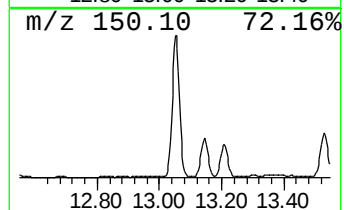
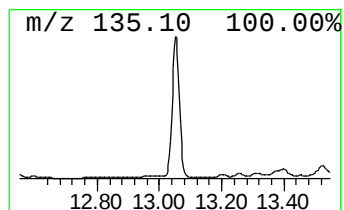
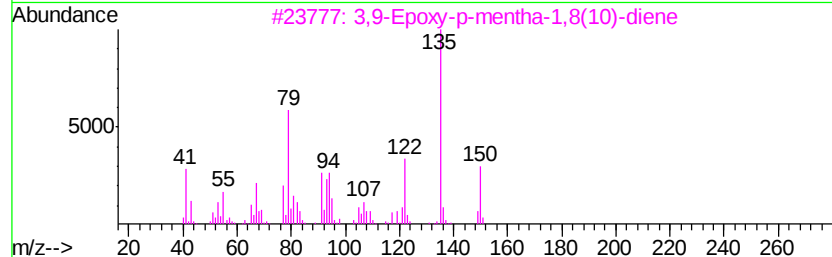
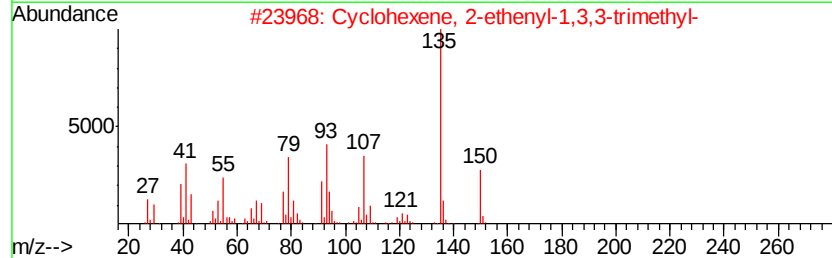
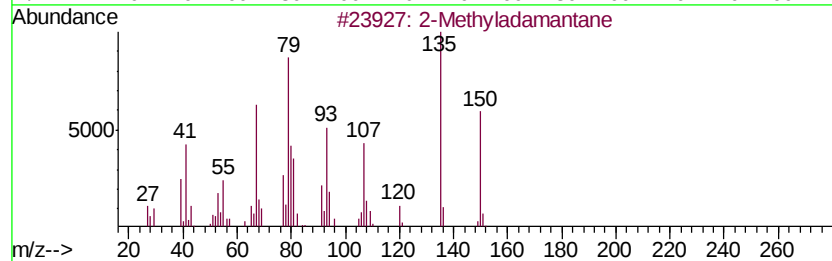
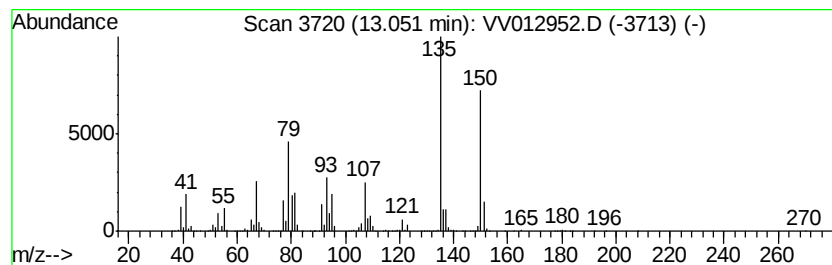
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Quant Title : VOC Analysis

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

Peak Number 26 2-Methyladamantane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	112.30 ug/L	13725000	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methyladamantane	150	C11H18	000700-56-1	93
2		Cyclohexene, 2-ethenyl-1,3,3-tri...	150	C11H18	005293-90-3	90
3		3,9-Epoxy-p-mentha-1,8(10)-diene	150	C10H14O	1000111-14-8	76
4		Cyclohexene, 2-ethenyl-1,3,3-tri...	150	C11H18	005293-90-3	72
5		Tricyclo[4.4.1.0(1,6)]undecane	150	C11H18	006571-73-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BEDK9

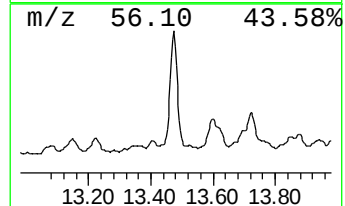
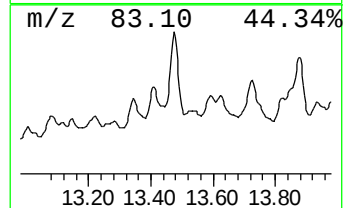
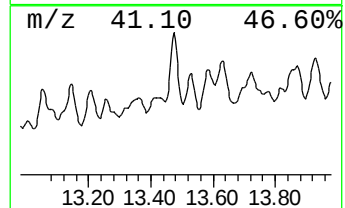
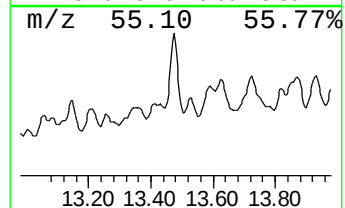
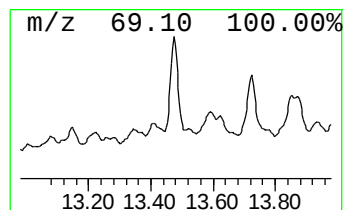
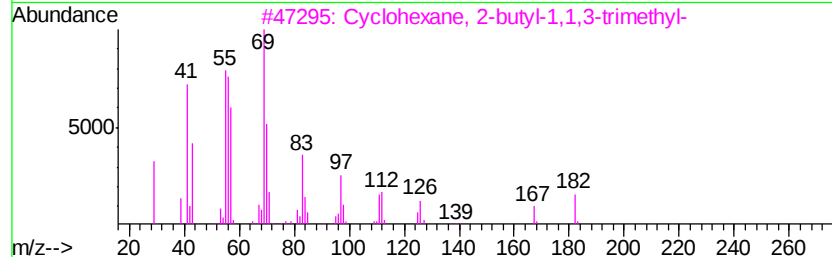
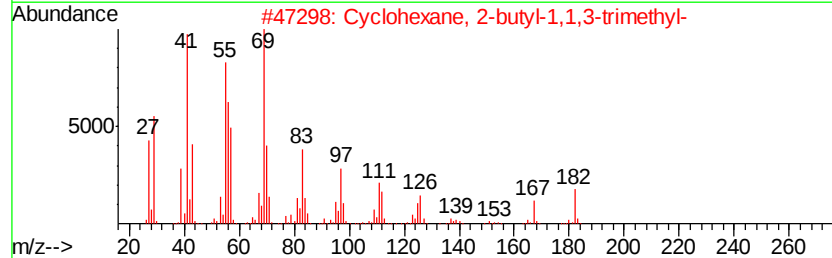
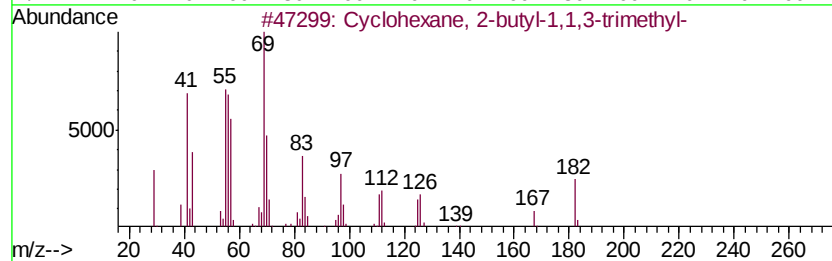
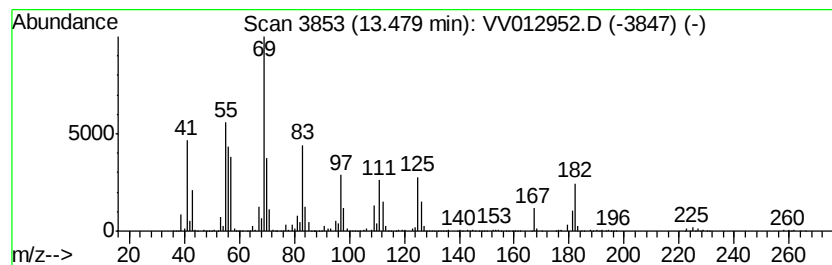
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Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Cyclic13.48 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	64.15 ug/L	7840200	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	91
2		Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	90
3		Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	46
4		Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	45
5		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

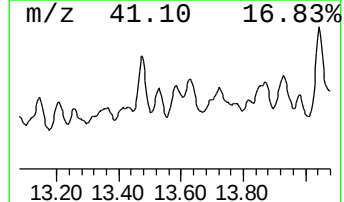
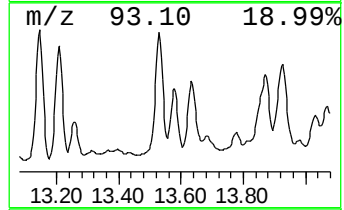
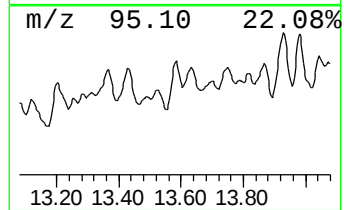
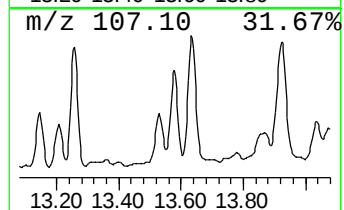
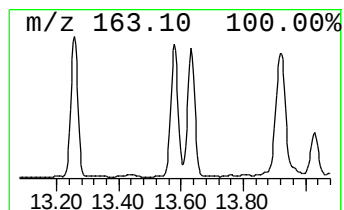
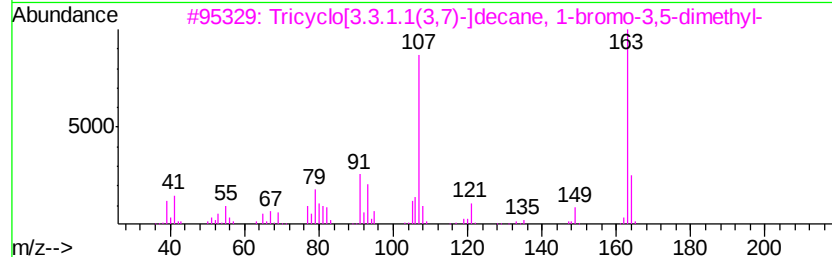
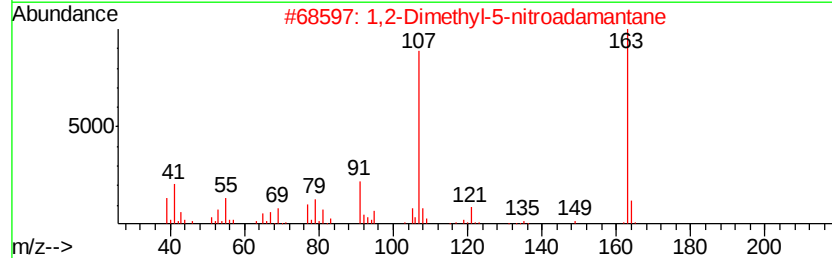
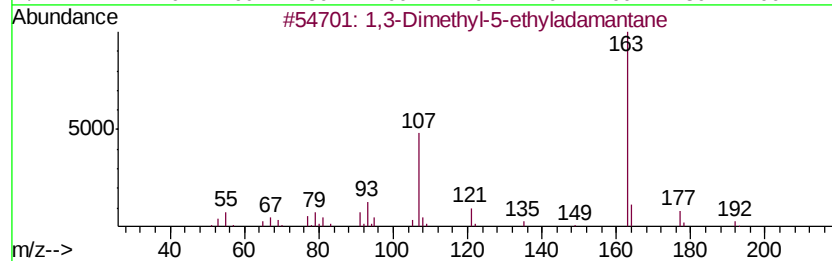
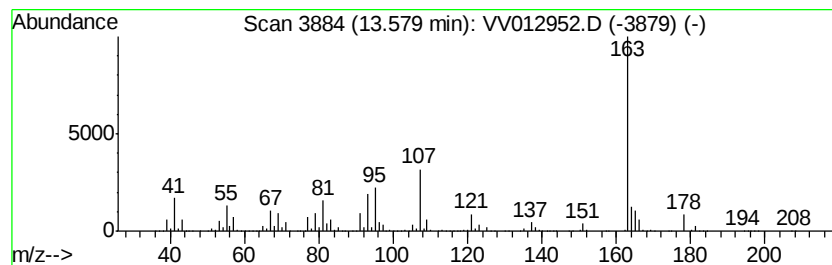
Instrument :
MSVOA_V
ClientSampleId :
BEDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

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

Peak Number 31 1,3-Dimethyl-5-ethyladamantane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	59.34 ug/L	7252050	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,3-Dimethyl-5-ethyladamantane	192 C14H24	001687-35-0	53
2	1,2-Dimethyl-5-nitroadamantane	209 C12H19NO2	006588-68-7	50
3	Tricyclo[3.3.1.1(3,7)-]decane, 1...	242 C12H19Br	000941-37-7	47
4	1,3,6-Trimethyladamantane	178 C13H22	024139-37-5	45
5	Benzothiazole, 2,6-dimethyl-	163 C9H9NS	002941-71-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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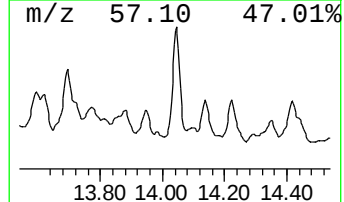
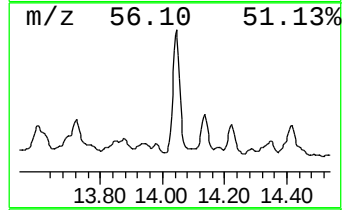
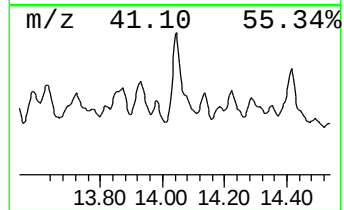
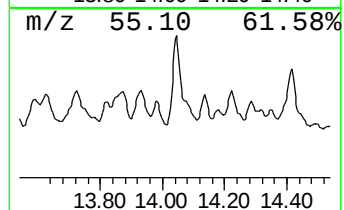
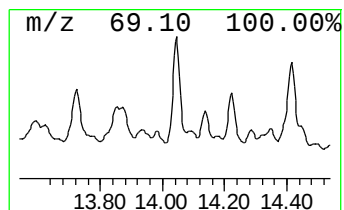
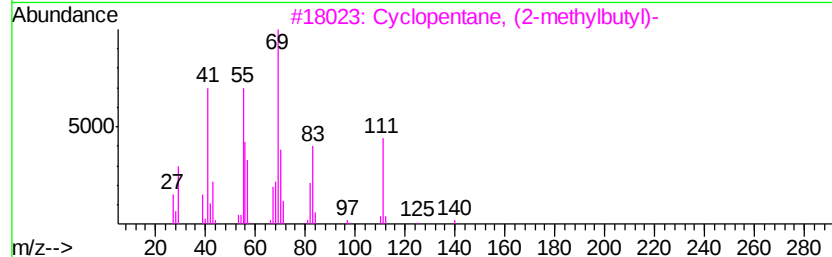
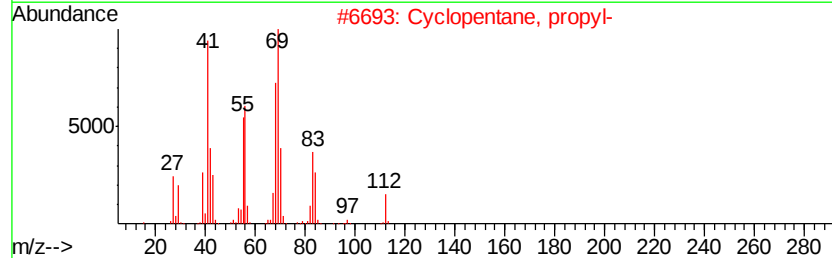
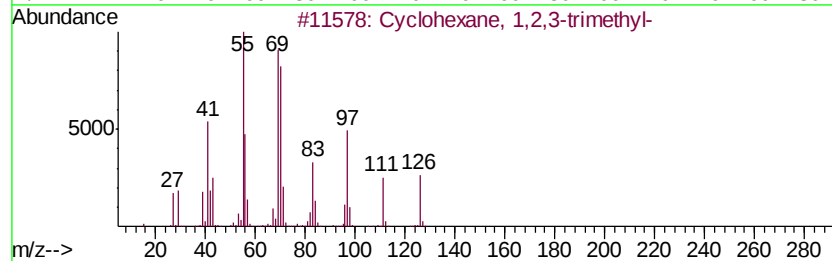
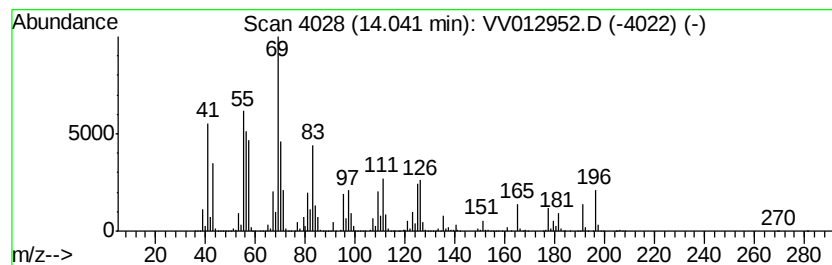
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Quant Title : VOC Analysis

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

Peak Number 32 (DEL) Alkane: Cyclic14.04 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	165.41 ug/L	20215600	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	60
2		Cyclopentane, propyl-	112	C8H16	002040-96-2	53
3		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	49
4		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	007667-55-2	46
5		Cyclohexanone, 3,5-dimethyl-, cis-	126	C8H14O	007214-52-0	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

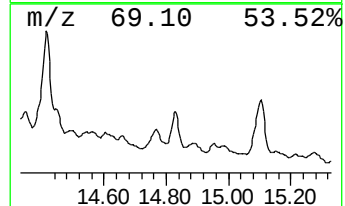
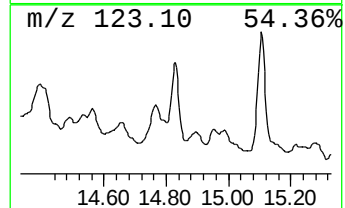
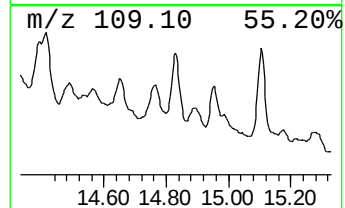
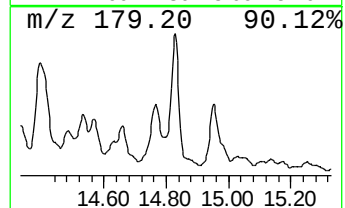
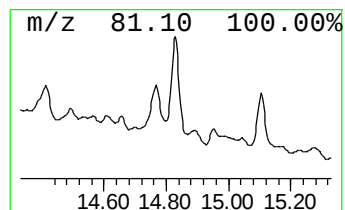
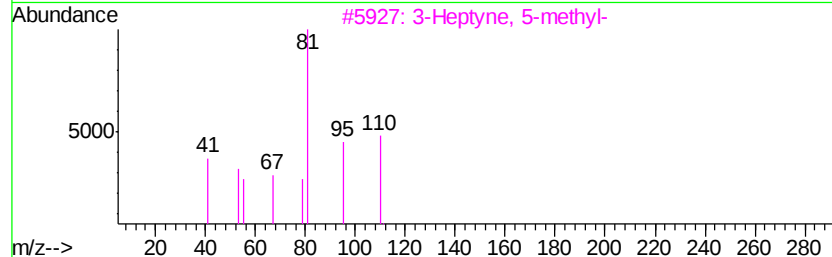
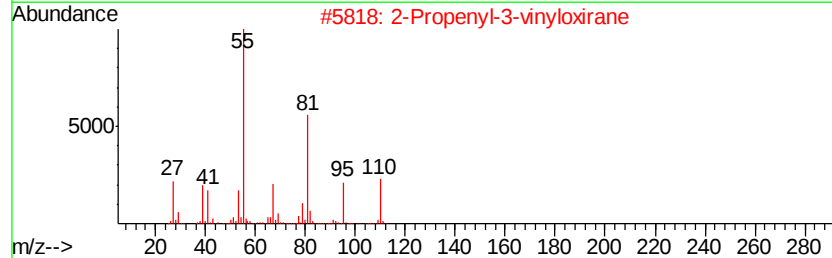
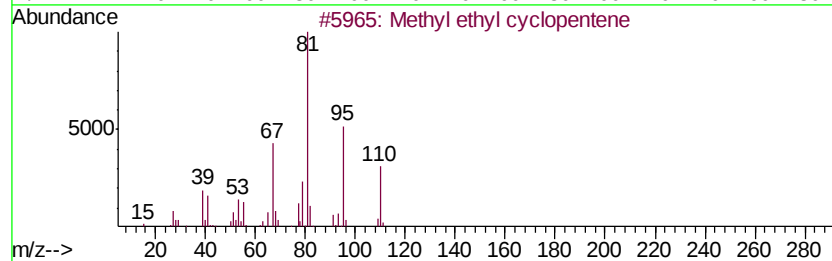
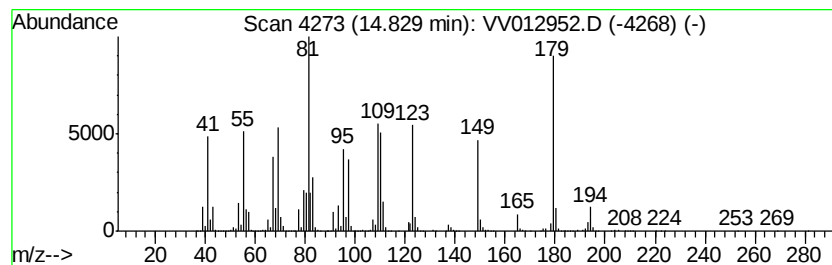
Instrument :
MSVOA_V
ClientSampleId :
BEDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

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

Peak Number 33 unknown-07 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.83	74.74 ug/L	9134330	1,4-Dichlorobenzene-d4	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	38
2	2-Propenyl-3-vinylloxirane	110	C7H10O	070597-49-8	27
3	3-Heptyne, 5-methyl-	110	C8H14	061228-09-9	27
4	photocitral A	152	C10H16O	055253-28-6	27
5	Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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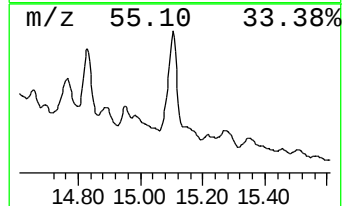
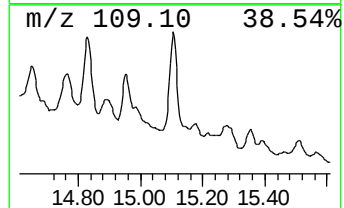
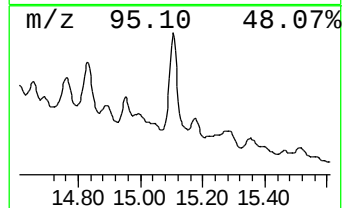
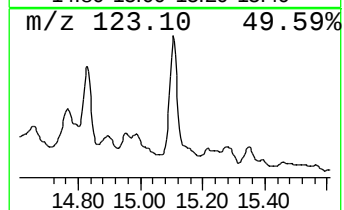
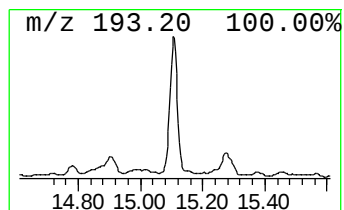
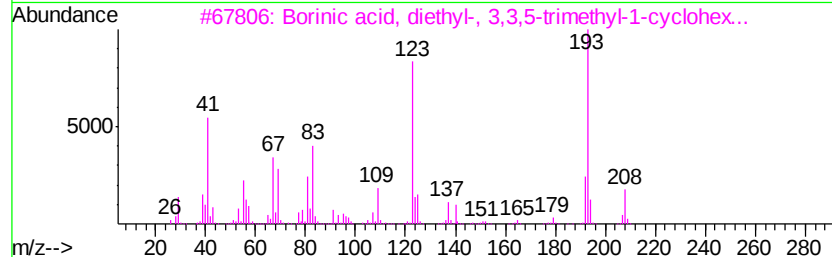
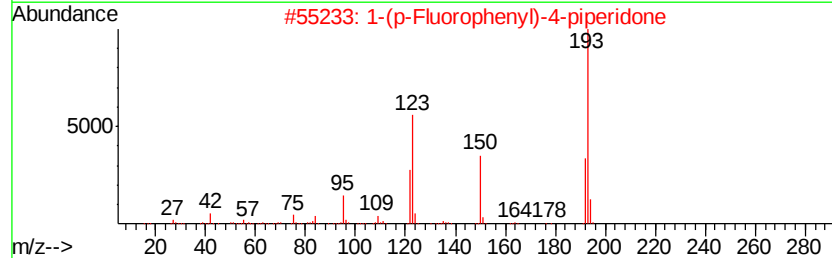
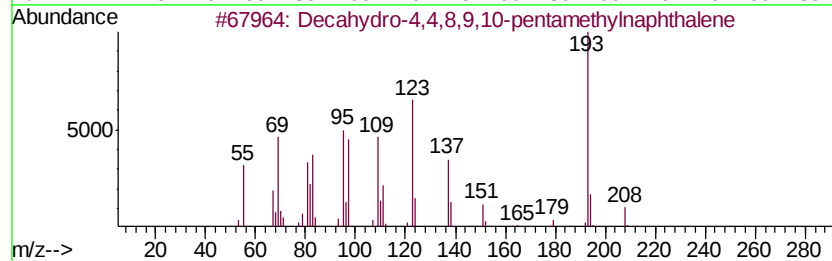
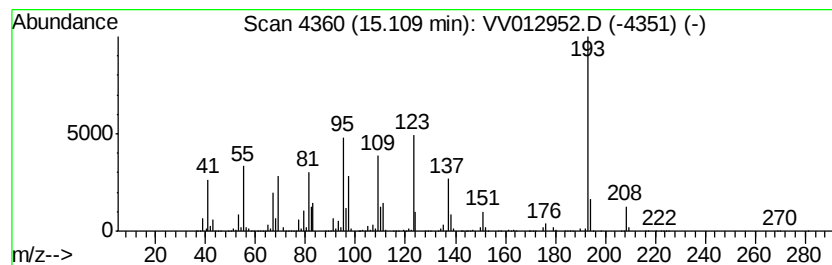
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Quant Title : VOC Analysis

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

Peak Number 34 Decahydro-4,4,8,9,10-pentam... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	116.44 ug/L	14230500	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	89
2		1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	43
3		Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	27
4		2-Anthracenamine	193	C14H11N	000613-13-8	27
5		Cyclopentene, 1-isopropyl-2,3-di...	138	C10H18	007712-73-4	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
Data File : VV012952.D
Acq On : 23 Sep 2019 22:24
Operator : SY/MD
Sample : K4984-05
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BEDK9

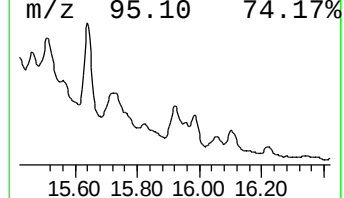
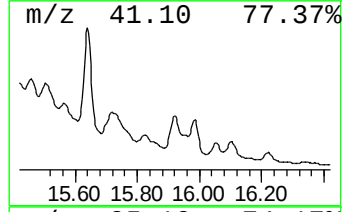
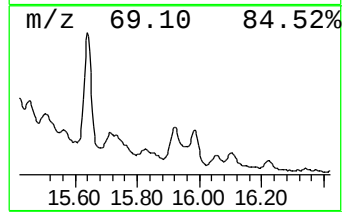
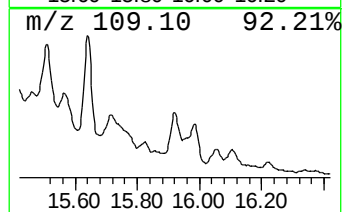
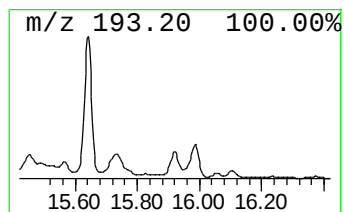
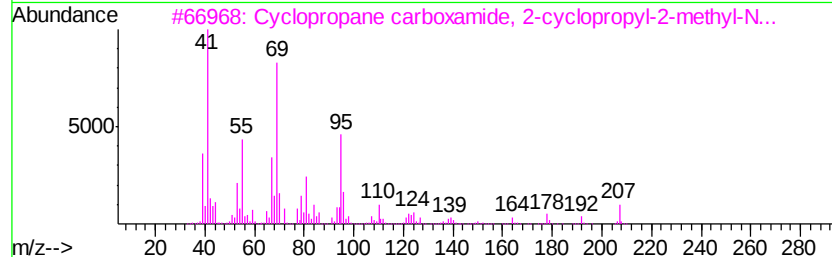
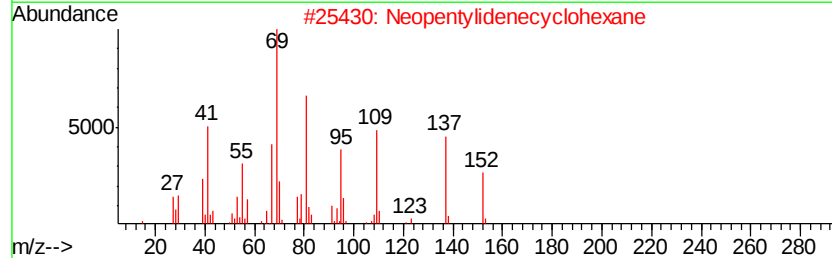
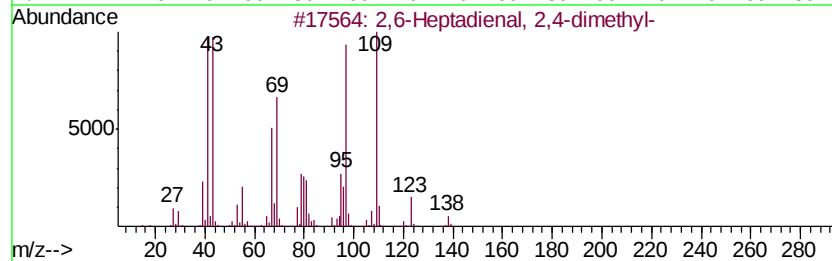
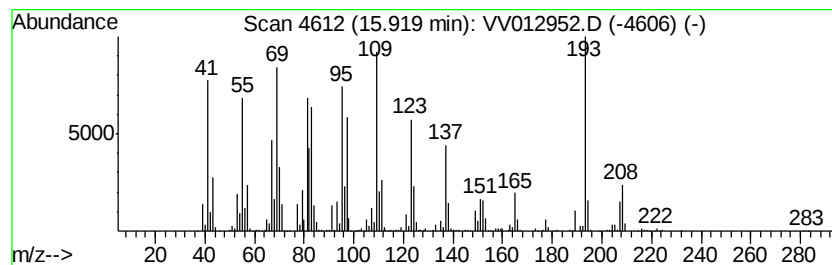
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Quant Title : VOC Analysis

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

Peak Number 36 unknown-08 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	8.35 ug/L	1020990	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Heptadienal, 2,4-dimethyl-	138	C9H14O	085136-08-9	46		
2	Neopentylidenecyclohexane	152	C11H20	039546-80-0	46		
3	Cyclopropane carboxamide, 2-cycl...	207	C13H21NO	331416-19-4	38		
4	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	30		
5	1H-Pyrazole, 3,5-bis(1,1-dimethy...	208	C13H24N2	125281-21-2	25		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092319\
 Data File : VV012952.D
 Acq On : 23 Sep 2019 22:24
 Operator : SY/MD
 Sample : K4984-05
 Misc : 5.86G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BEDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Zinc, bis[2-(1,1-...	9.50	1.6	ug/L	136415	2	8.91	2122120	25.0
(DEL) Alkane: Cyc...	9.76	1.4	ug/L	121442	2	8.91	2122120	25.0
2,4-Heptadiene, 2...	10.06	3.1	ug/L	261910	2	8.91	2122120	25.0
(DEL) Alkane: Str...	10.17	4.0	ug/L	493408	3	11.30	3055340	25.0
(DEL) Alkane: Cyc...	10.56	4.1	ug/L	498503	3	11.30	3055340	25.0
Oxalic acid, hexa...	10.62	2.9	ug/L	351080	3	11.30	3055340	25.0
(DEL) Alkane: Cyc...	10.79	6.7	ug/L	824018	3	11.30	3055340	25.0
(DEL) Alkane: Cyc...	10.87	10.4	ug/L	1271080	3	11.30	3055340	25.0
unknown-01	10.96	20.3	ug/L	2484040	3	11.30	3055340	25.0
unknown-02	11.08	4.5	ug/L	544002	3	11.30	3055340	25.0
(DEL) Alkane: Str...	11.19	23.4	ug/L	2866030	3	11.30	3055340	25.0
unknown-03	11.38	18.5	ug/L	2256300	3	11.30	3055340	25.0
(DEL) Alkane: Str...	11.44	18.6	ug/L	2271350	3	11.30	3055340	25.0
(DEL) Alkane: Cyc...	11.47	50.9	ug/L	6225380	3	11.30	3055340	25.0
(DEL) Alkane: Cyc...	11.61	28.7	ug/L	3507790	3	11.30	3055340	25.0
(DEL) Alkane: Cyc...	11.86	42.3	ug/L	5168480	3	11.30	3055340	25.0
unknown-04	11.91	16.1	ug/L	1961720	3	11.30	3055340	25.0
(DEL) Alkane: Cyc...	11.98	48.8	ug/L	5962850	3	11.30	3055340	25.0
unknown-05	12.24	22.8	ug/L	2782510	3	11.30	3055340	25.0
1,2-Benzenediol, ...	12.29	98.0	ug/L	11979300	3	11.30	3055340	25.0
Adamantane, 1,3-d...	12.44	138.9	ug/L	16974200	3	11.30	3055340	25.0
1,3,5-Trimethylad...	12.54	71.3	ug/L	8712440	3	11.30	3055340	25.0
unknown-06	12.65	35.3	ug/L	4315200	3	11.30	3055340	25.0
2-Methyladamantane	13.05	112.3	ug/L	13725000	3	11.30	3055340	25.0
(DEL) Alkane: Cyc...	13.48	64.2	ug/L	7840200	3	11.30	3055340	25.0
1,3-Dimethyl-5-et...	13.58	59.3	ug/L	7252050	3	11.30	3055340	25.0
(DEL) Alkane: Cyc...	14.04	165.4	ug/L	20215600	3	11.30	3055340	25.0
unknown-07	14.83	74.7	ug/L	9134330	3	11.30	3055340	25.0
Decahydro-4,4,8,9...	15.11	116.4	ug/L	14230500	3	11.30	3055340	25.0
unknown-08	15.92	8.3	ug/L	1020990	3	11.30	3055340	25.0