

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007580.D
 Acq On : 15 Dec 2018 14:26
 Operator : SY/AP
 Sample : J6353-04
 Misc : 5.28G/5ML/MSVOA_W/SOIL
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-02

Integration Parameters: RTEINT.P

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

Filtering: 5
 Min Area: 3 % 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_W\METHOD\82W121118S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.160	36	42	56	rVB2	19254	39794	1.73%	0.220%
2	3.032	176	185	203	rBV2	51695	141940	6.17%	0.784%
3	3.385	234	243	259	rVB2	26212	69836	3.04%	0.386%
4	3.849	309	319	329	rVB	19442	50355	2.19%	0.278%
5	4.111	343	362	383	rBV3	22735	104949	4.56%	0.580%
6	4.958	478	501	529	rBV4	75215	531107	23.10%	2.934%
7	5.434	564	579	593	rBV2	45584	165128	7.18%	0.912%
8	5.745	619	630	644	rVB5	9452	33273	1.45%	0.184%
9	5.940	649	662	675	rVB	48588	143053	6.22%	0.790%
10	6.104	679	689	698	rBV2	9874	29557	1.29%	0.163%
11	6.226	698	709	713	rBV3	13275	39562	1.72%	0.219%
12	6.287	713	719	732	rVB2	21365	59858	2.60%	0.331%
13	6.427	732	742	752	rBV4	10487	32102	1.40%	0.177%
14	6.555	752	763	771	rBV6	6047	23339	1.02%	0.129%
15	6.726	780	791	805	rBV3	23069	68620	2.98%	0.379%
16	6.982	823	833	842	rBV	71479	213080	9.27%	1.177%
17	7.695	942	950	958	rVB2	37296	91550	3.98%	0.506%
18	7.890	971	982	983	rBV	62410	129560	5.63%	0.716%
19	7.951	984	992	1000	rVV3	183067	555383	24.15%	3.068%
20	8.031	1000	1005	1016	rVB3	29618	80189	3.49%	0.443%
21	8.153	1016	1025	1033	rBV	77749	175450	7.63%	0.969%
22	8.311	1042	1051	1063	rVB2	71009	181390	7.89%	1.002%
23	8.439	1063	1072	1074	rBV3	32108	75733	3.29%	0.418%
24	8.482	1075	1079	1090	rVB4	39462	134982	5.87%	0.746%
25	8.573	1090	1094	1104	rVB3	19701	50894	2.21%	0.281%
26	8.695	1104	1114	1128	rVB3	58932	156063	6.79%	0.862%
27	8.841	1128	1138	1144	rBV2	209666	480991	20.92%	2.657%
28	8.994	1158	1163	1170	rVB	18681	34870	1.52%	0.193%
29	9.116	1178	1183	1195	rVB3	18370	47483	2.07%	0.262%
30	9.335	1204	1219	1224	rBV	114350	287274	12.49%	1.587%
31	9.384	1224	1227	1236	rVB3	19929	38943	1.69%	0.215%
32	9.518	1243	1249	1255	rVB	22680	41716	1.81%	0.230%
33	9.610	1255	1264	1270	rBV5	11160	26928	1.17%	0.149%
34	9.756	1283	1288	1297	rVB	39899	82853	3.60%	0.458%

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35	9.847	1297	1303	1307	rBV2	47678	88388	3.84%	0.488%
36	9.896	1307	1311	1317	rVB2	41694	79175	3.44%	0.437%
37	9.957	1317	1321	1325	rBV	33339	54215	2.36%	0.300%
38	10.097	1334	1344	1354	rBV	45907	110199	4.79%	0.609%
39	10.201	1354	1361	1366	rVV	28522	58911	2.56%	0.325%
40	10.323	1374	1381	1386	rBV	237191	437786	19.04%	2.419%
41	10.390	1386	1392	1404	rVV	1298369	2299297	100.00%	12.702%
42	10.506	1404	1411	1417	rVV4	58599	134276	5.84%	0.742%
43	10.670	1433	1438	1445	rBV6	12296	29738	1.29%	0.164%
44	10.750	1445	1451	1461	rVB4	31709	86156	3.75%	0.476%
45	11.176	1518	1521	1526	rVB2	19785	29382	1.28%	0.162%
46	11.414	1552	1560	1571	rVB3	29381	79911	3.48%	0.441%
47	11.512	1571	1576	1581	rBV	22679	41232	1.79%	0.228%
48	11.634	1590	1596	1602	rBV	159957	275076	11.96%	1.520%
49	11.731	1605	1612	1621	rVV	619541	1001798	43.57%	5.534%
50	11.847	1621	1631	1640	rVB	396897	747314	32.50%	4.128%
51	12.170	1673	1684	1692	rBV	1289446	2238463	97.35%	12.366%
52	12.469	1727	1733	1738	rBV	73452	117823	5.12%	0.651%
53	12.621	1752	1758	1768	rVB	112505	198642	8.64%	1.097%
54	12.804	1782	1788	1793	rBV	174913	279488	12.16%	1.544%
55	12.871	1793	1799	1801	rVV	304800	478143	20.80%	2.641%
56	12.902	1801	1804	1808	rVV	437739	684113	29.75%	3.779%
57	12.944	1808	1811	1818	rVB	445920	680392	29.59%	3.759%
58	13.109	1831	1838	1846	rBV	416824	695346	30.24%	3.841%
59	13.255	1856	1862	1866	rBV	47378	71703	3.12%	0.396%
60	13.371	1874	1881	1889	rBV4	12485	40651	1.77%	0.225%
61	13.444	1889	1893	1898	rVV	23062	36920	1.61%	0.204%
62	13.591	1907	1917	1925	rBV2	423911	810489	35.25%	4.477%
63	13.725	1933	1939	1940	rBV	44700	60546	2.63%	0.334%
64	13.761	1940	1945	1948	rVV2	242858	435740	18.95%	2.407%
65	13.798	1948	1951	1961	rVB2	128445	236230	10.27%	1.305%
66	13.950	1970	1976	1982	rVV2	35057	63162	2.75%	0.349%
67	14.017	1982	1987	1989	rVV	30113	52047	2.26%	0.288%
68	14.042	1989	1991	1995	rVV2	34428	48951	2.13%	0.270%
69	14.103	1995	2001	2006	rVB	110552	167482	7.28%	0.925%
70	14.212	2014	2019	2026	rVB2	51392	85065	3.70%	0.470%
71	14.341	2035	2040	2045	rVB	25384	39191	1.70%	0.217%

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72	14.426	2045	2054	2057	rBV	57908	99568	4.33%	0.550%
73	14.462	2057	2060	2064	rVB	77653	106219	4.62%	0.587%
74	14.694	2093	2098	2103	rBV	30867	50736	2.21%	0.280%
75	14.810	2110	2117	2123	rBV4	60585	144657	6.29%	0.799%
76	14.962	2137	2142	2149	rVB3	14675	25088	1.09%	0.139%
77	15.072	2155	2160	2164	rBV3	14570	26506	1.15%	0.146%
78	15.182	2172	2178	2185	rVB4	14798	32727	1.42%	0.181%
79	15.371	2205	2209	2215	rVB	27497	44785	1.95%	0.247%
80	15.871	2287	2291	2301	rVB4	12152	25798	1.12%	0.143%
81	16.182	2334	2342	2351	rBV8	10238	29958	1.30%	0.165%
82	16.450	2381	2386	2393	rVB2	11803	24235	1.05%	0.134%

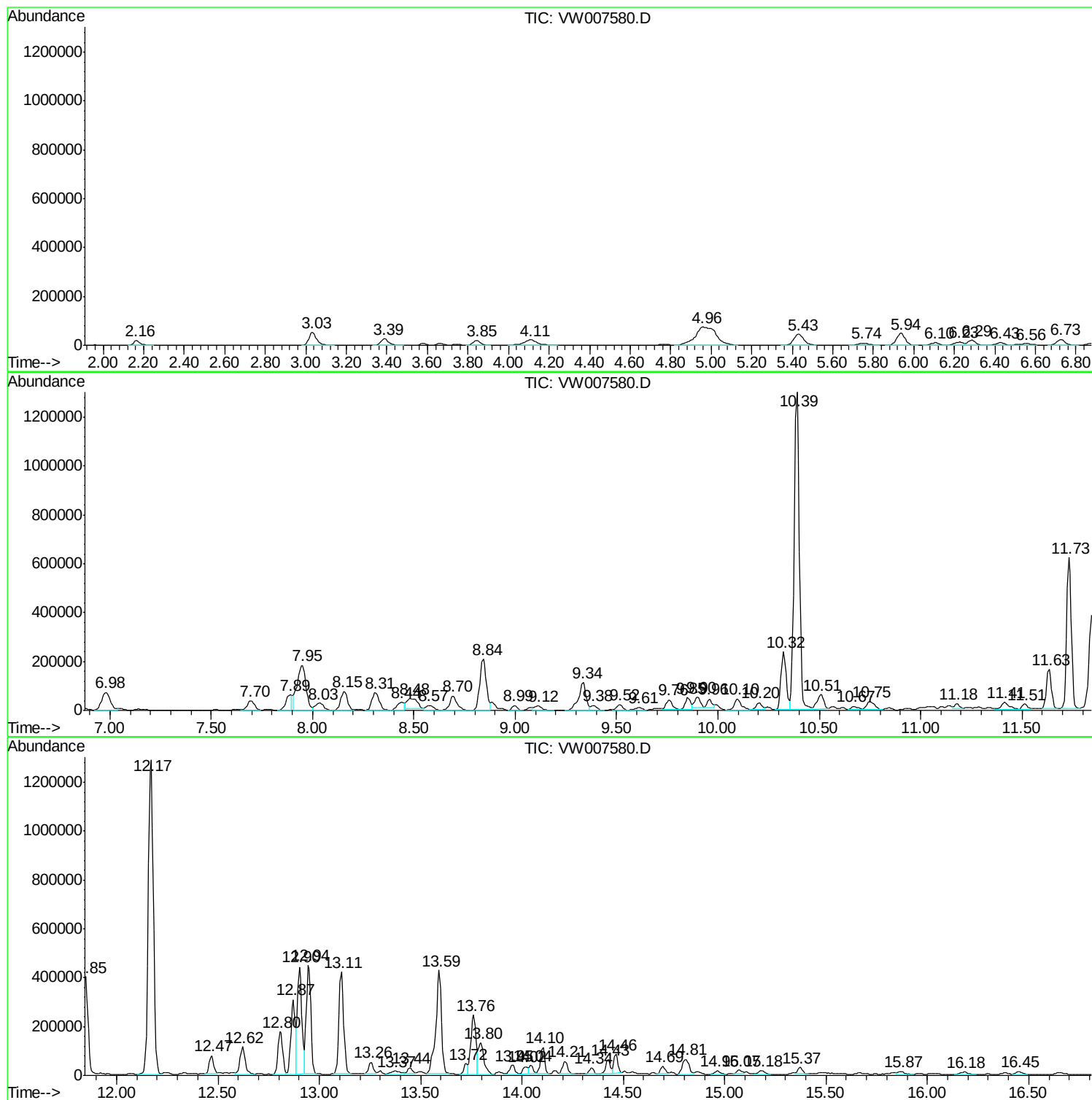
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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



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Instrument :
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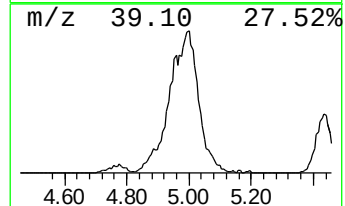
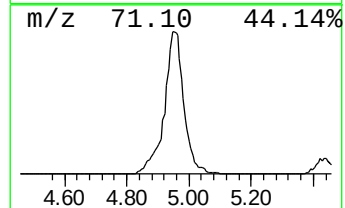
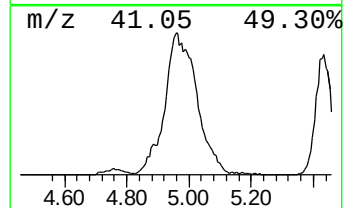
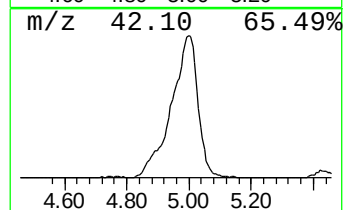
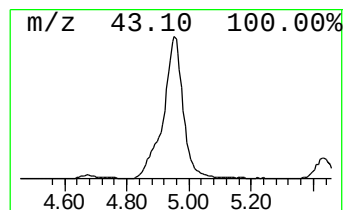
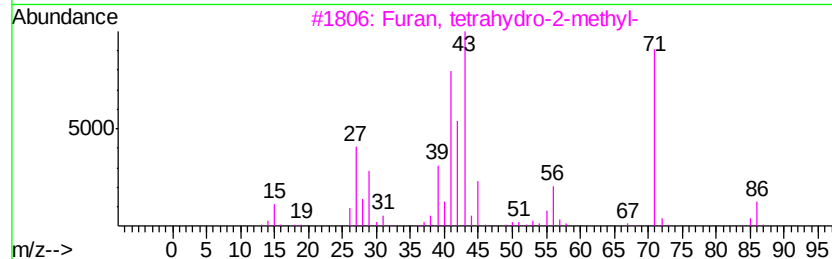
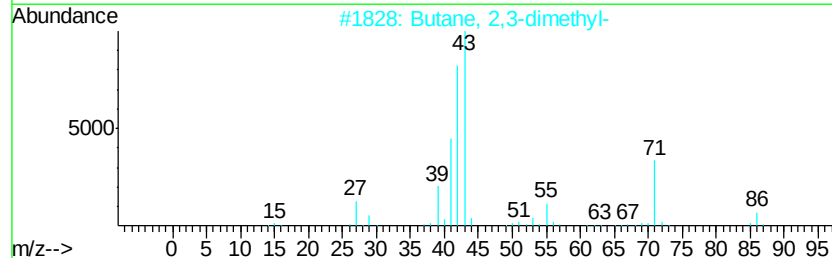
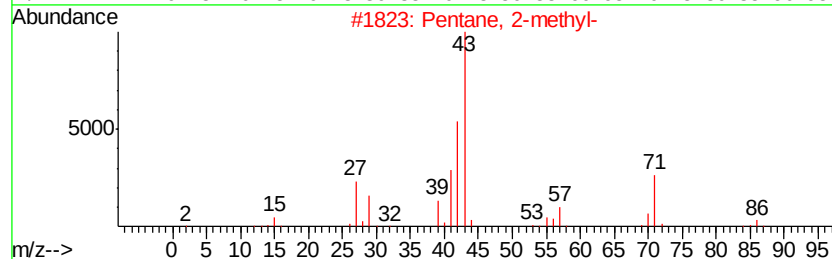
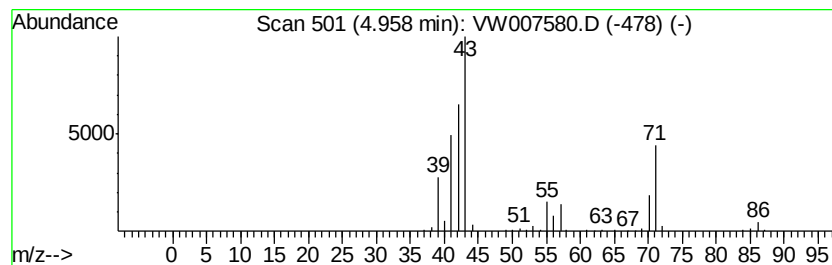
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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

Peak Number 1 Pentane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	47.81 ug/l	531107	Pentafluorobenzene	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	49
3		Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	47
4		1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	38
5		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38



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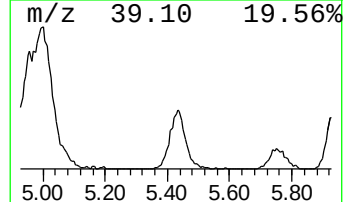
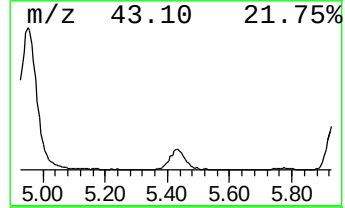
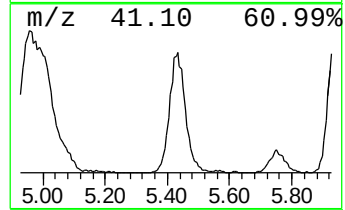
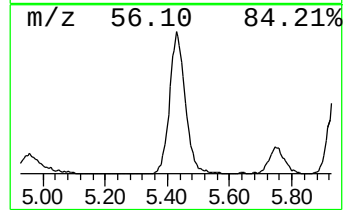
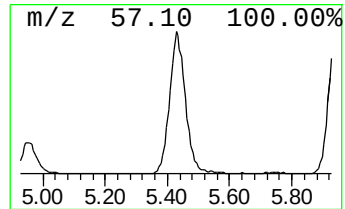
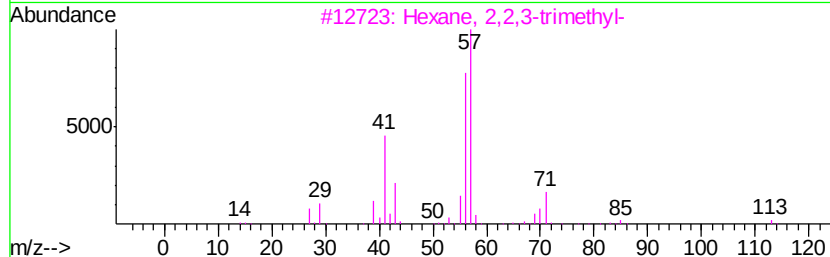
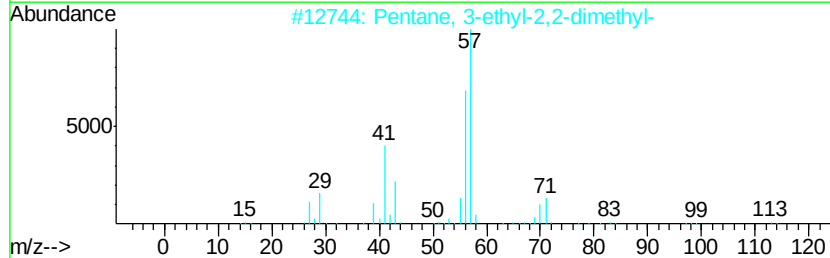
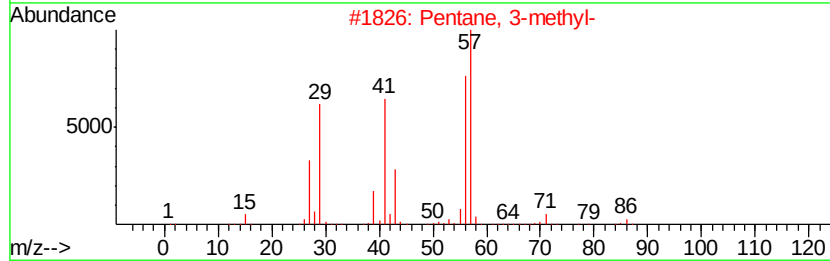
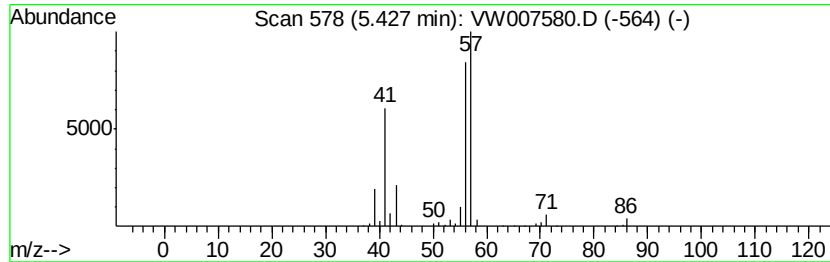
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 Pentane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.43	14.87 ug/l	165128	Pentafluorobenzene	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2		Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64
3		Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
4		Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5		3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	42



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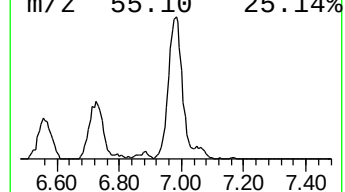
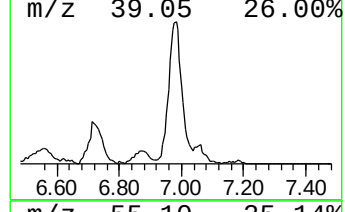
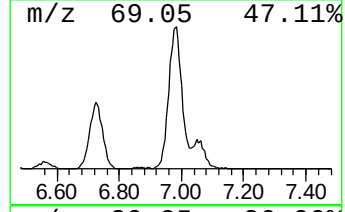
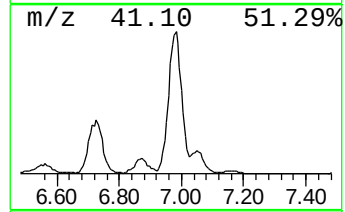
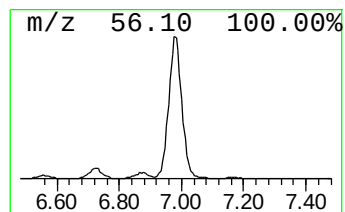
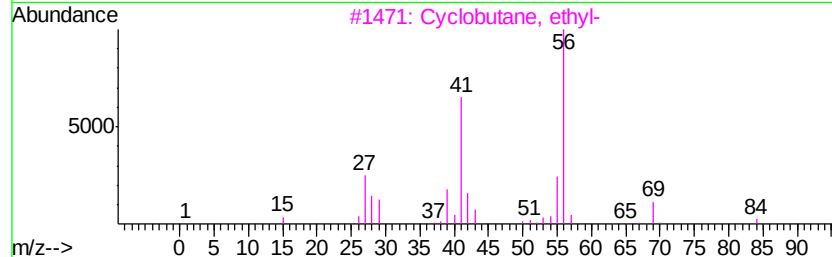
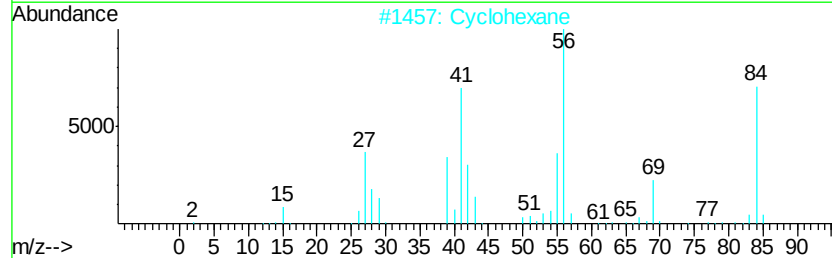
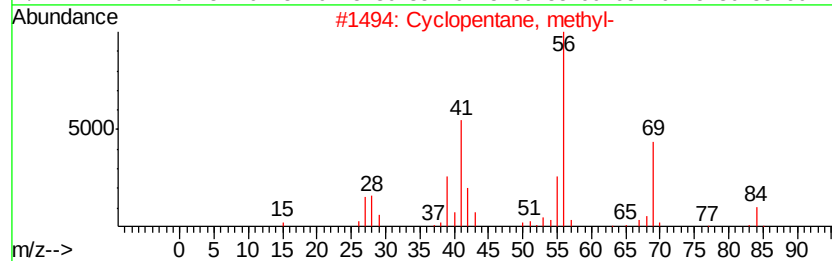
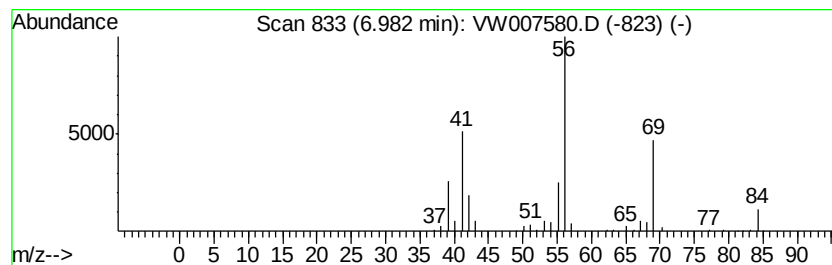
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Cyclopentane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
6.98	19.18 ug/l	213080	Pentafluorobenzene	7.95		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2		Cyclohexane	84	C6H12	000110-82-7	86
3		Cyclobutane, ethyl-	84	C6H12	004806-61-5	80
4		Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	64
5		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64



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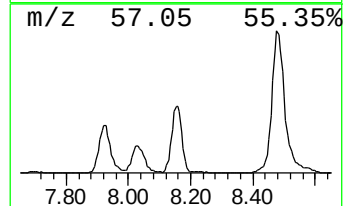
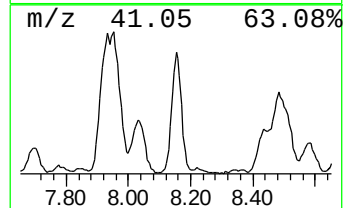
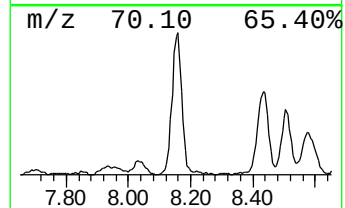
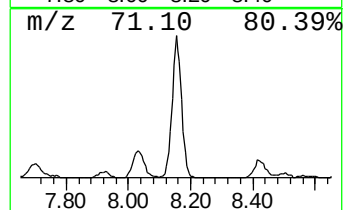
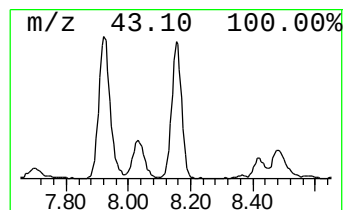
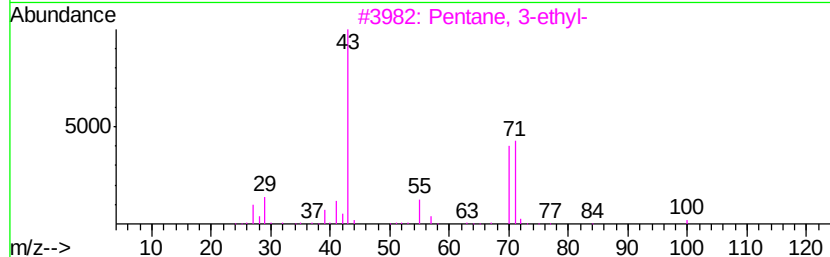
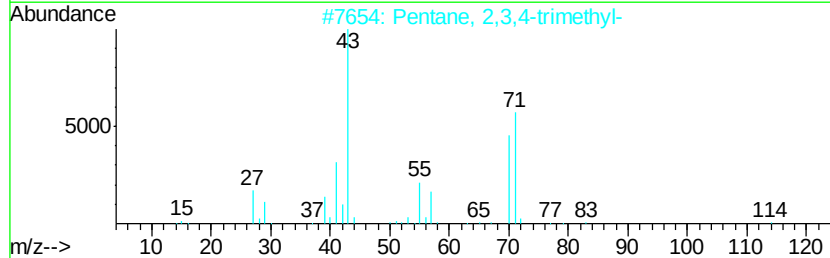
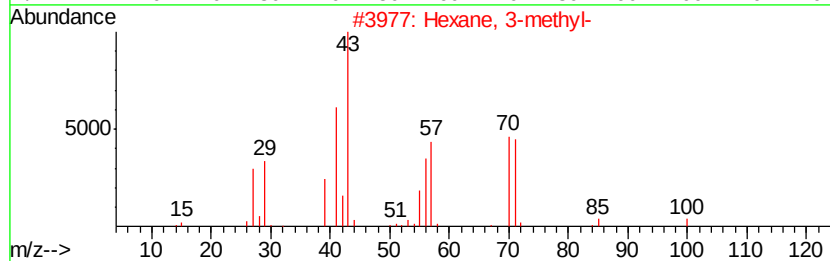
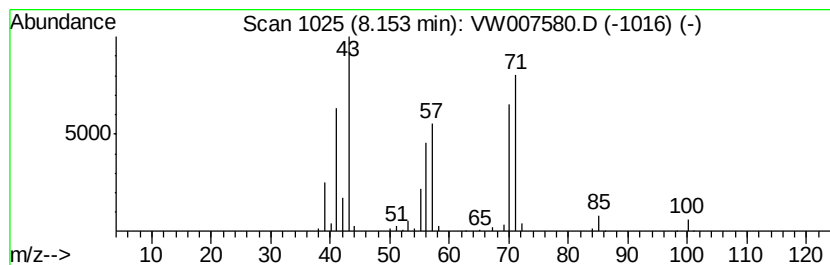
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Quant Title : SW846 8260

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

Peak Number 4 Hexane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	15.80 ug/l	175450	Pentafluorobenzene	7.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
3			Pentane, 3-ethyl-	100	C7H16	000617-78-7	53
4			Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	53
5			Heptane, 4-methyl-	114	C8H18	000589-53-7	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007580.D
Acq On : 15 Dec 2018 14:26
Operator : SY/AP
Sample : J6353-04
Misc : 5.28G/5ML/MSVOA_W/SOIL
ALS Vial : 66 Sample Multiplier: 1

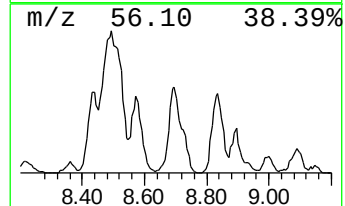
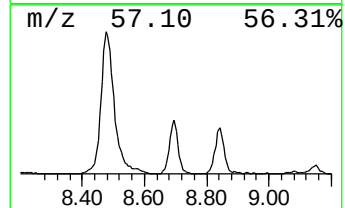
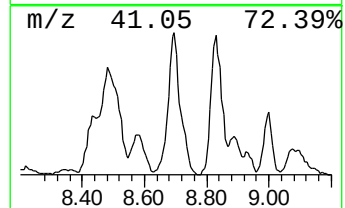
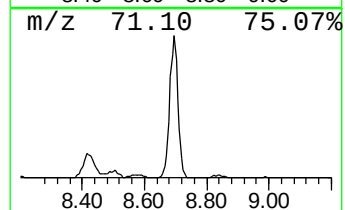
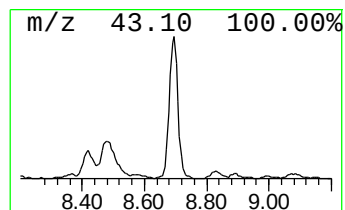
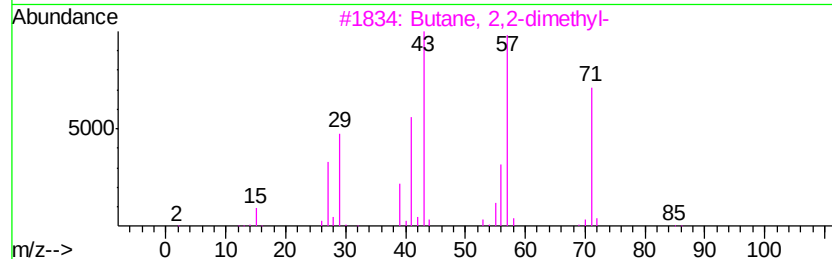
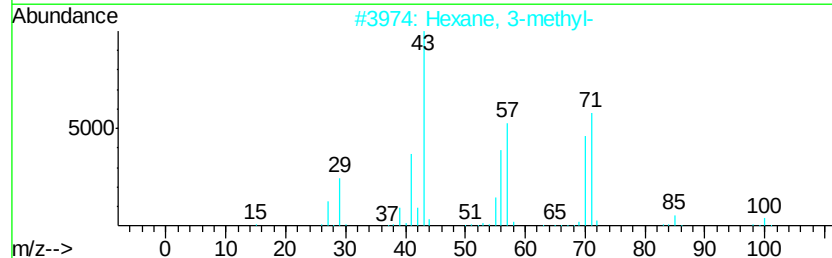
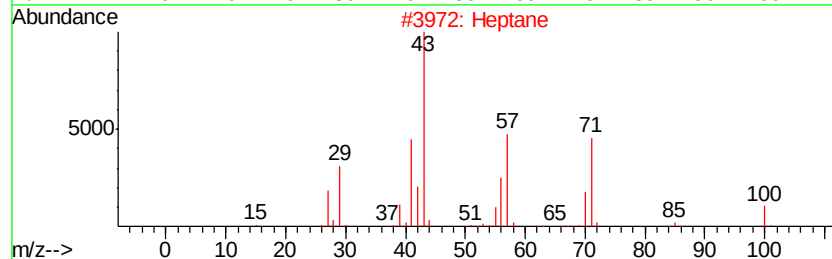
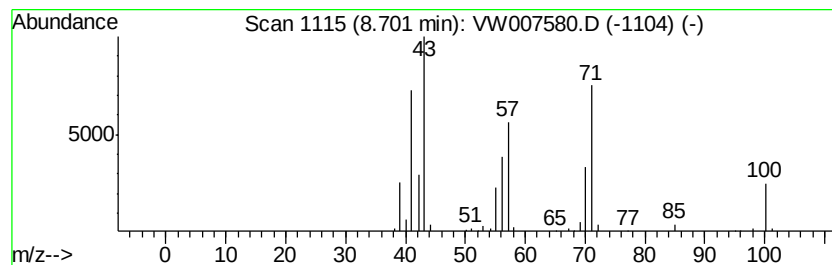
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MSVOA_W
ClientSampleId :
P001-SS001-0002-02

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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

Peak Number 5 Heptane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	16.22 ug/l	156063	1,4-Difluorobenzene	8.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptane		100 C7H16	000142-82-5 91
2	Hexane, 3-methyl-		100 C7H16	000589-34-4 53
3	Butane, 2,2-dimethyl-		86 C6H14	000075-83-2 50
4	Oxirane, butyl-		100 C6H12O	001436-34-6 43
5	Pentane, 2,3,4-trimethyl-		114 C8H18	000565-75-3 42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007580.D
Acq On : 15 Dec 2018 14:26
Operator : SY/AP
Sample : J6353-04
Misc : 5.28G/5ML/MSVOA_W/SOIL
ALS Vial : 66 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-02

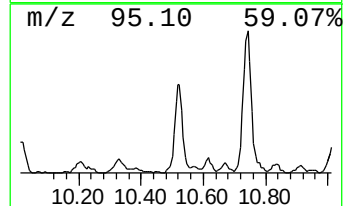
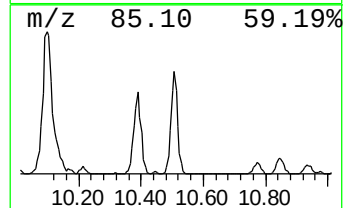
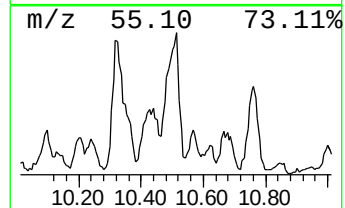
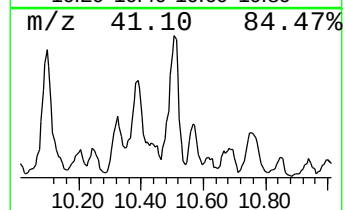
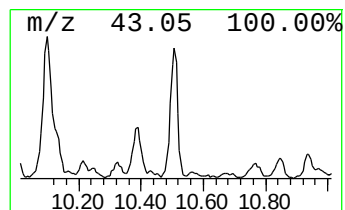
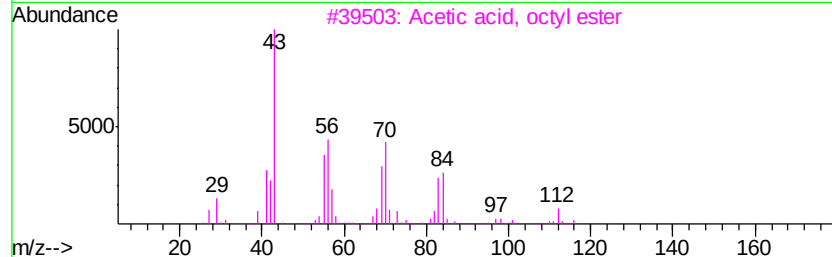
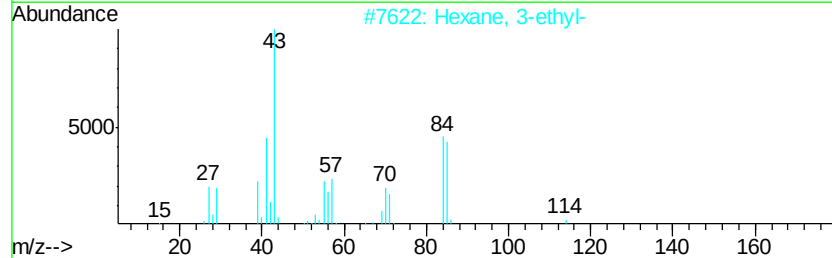
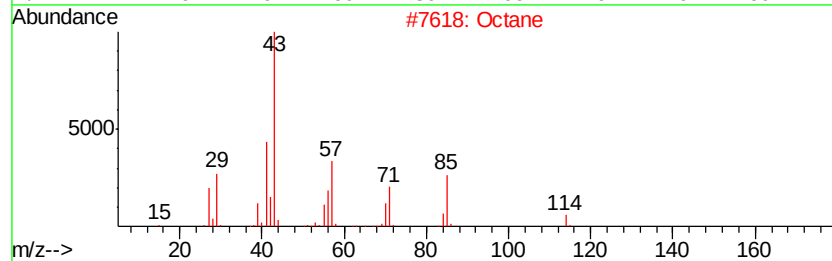
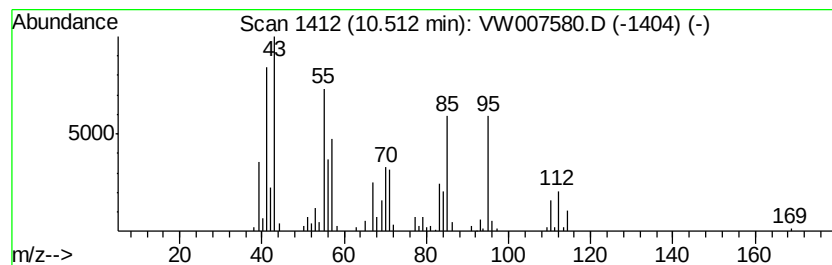
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Quant Title : SW846 8260

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

Peak Number 6 Octane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	24.41 ug/l	134276	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane		114	C8H18	000111-65-9	58
2	Hexane, 3-ethyl-		114	C8H18	000619-99-8	43
3	Acetic acid, octyl ester		172	C10H20O2	000112-14-1	38
4	Cyclopentane, 1-ethyl-2-methyl-,...		112	C8H16	000930-89-2	38
5	1,2-Cyclohexanedione		112	C6H8O2	000765-87-7	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007580.D
Acq On : 15 Dec 2018 14:26
Operator : SY/AP
Sample : J6353-04
Misc : 5.28G/5ML/MSVOA_W/SOIL
ALS Vial : 66 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-02

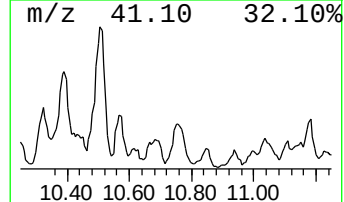
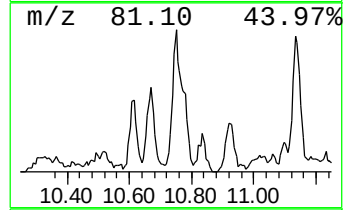
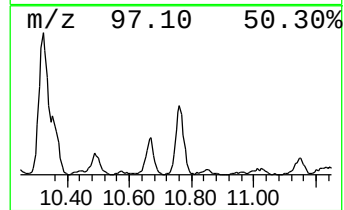
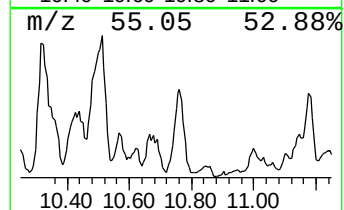
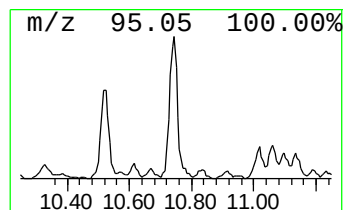
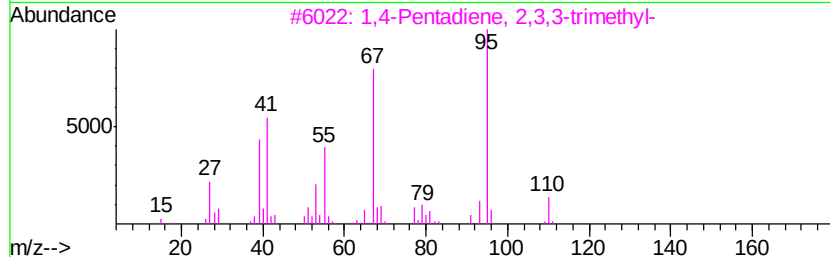
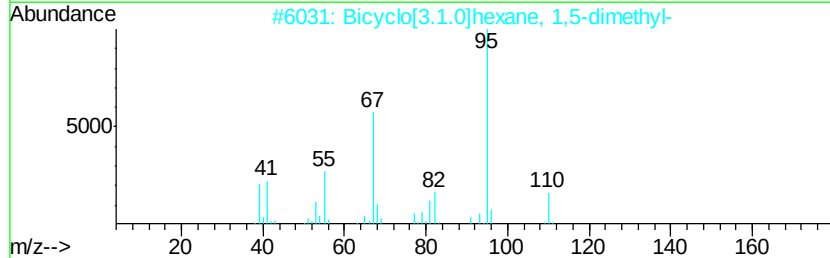
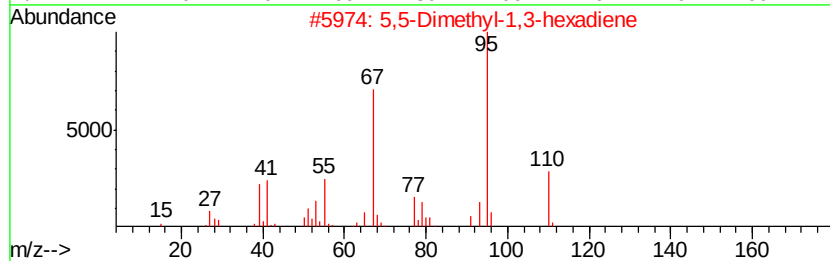
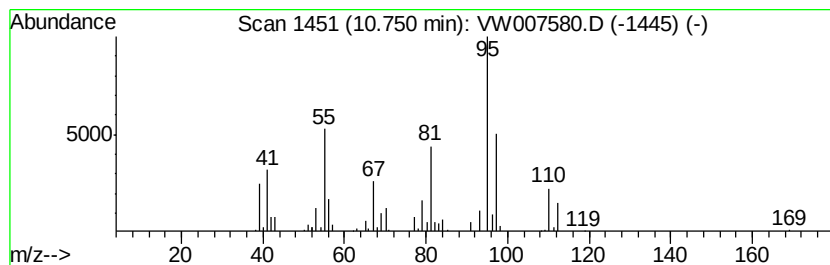
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Quant Title : SW846 8260

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

Peak Number 7 5,5-Dimethyl-1,3-hexadiene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	15.66 ug/l	86156	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	58
2		Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	49
3		1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	46
4		Ketone, 1,5-dimethylbicyclo[2.1....	138	C9H14O	024081-57-0	38
5		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007580.D
Acq On : 15 Dec 2018 14:26
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Sample : J6353-04
Misc : 5.28G/5ML/MSVOA_W/SOIL
ALS Vial : 66 Sample Multiplier: 1

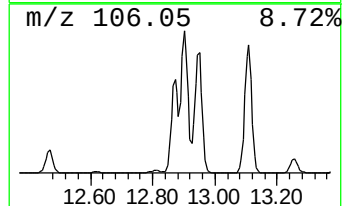
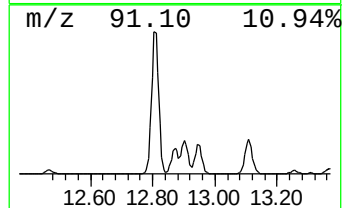
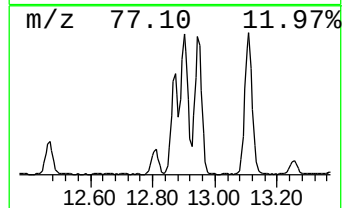
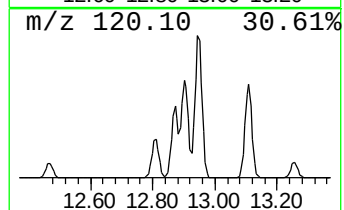
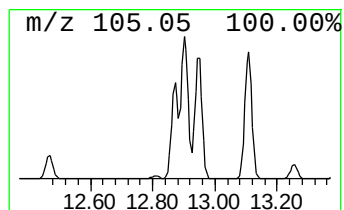
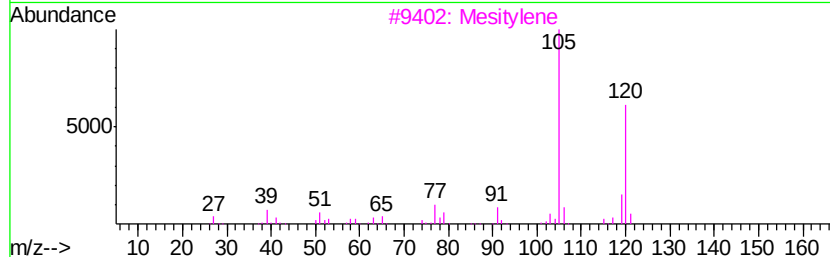
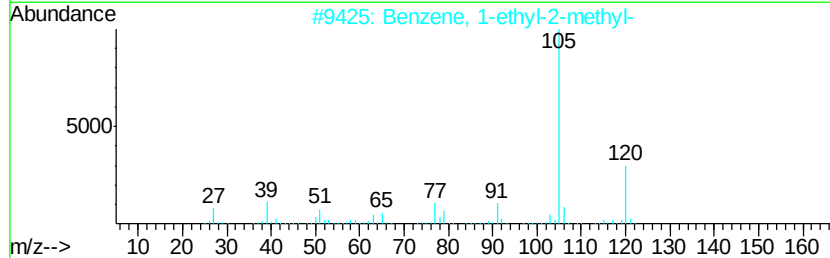
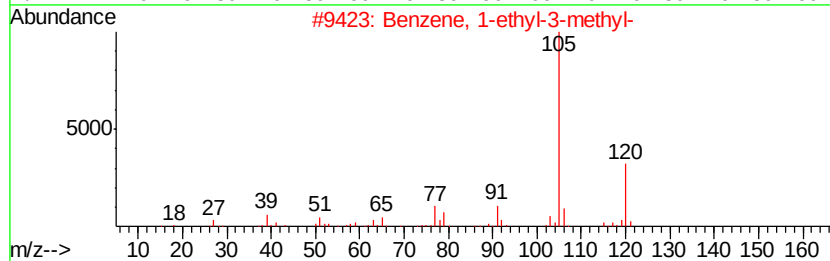
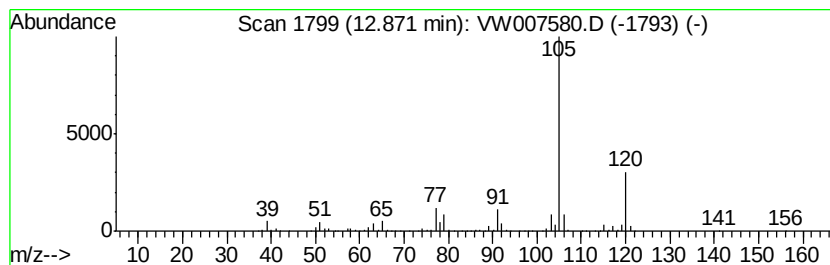
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.87	29.50 ug/l	478143	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3		Mesitylene	120	C9H12	000108-67-8	91
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007580.D
Acq On : 15 Dec 2018 14:26
Operator : SY/AP
Sample : J6353-04
Misc : 5.28G/5ML/MSVOA_W/SOIL
ALS Vial : 66 Sample Multiplier: 1

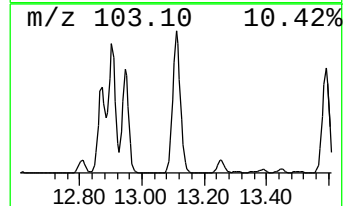
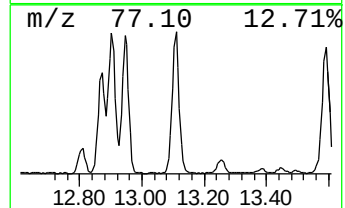
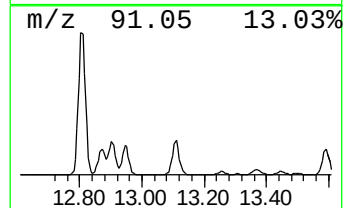
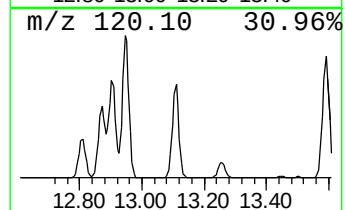
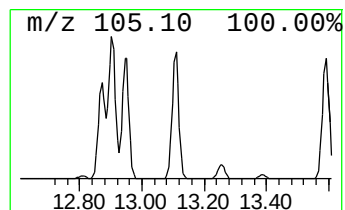
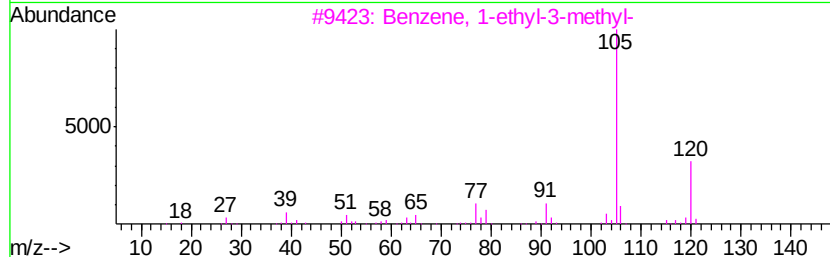
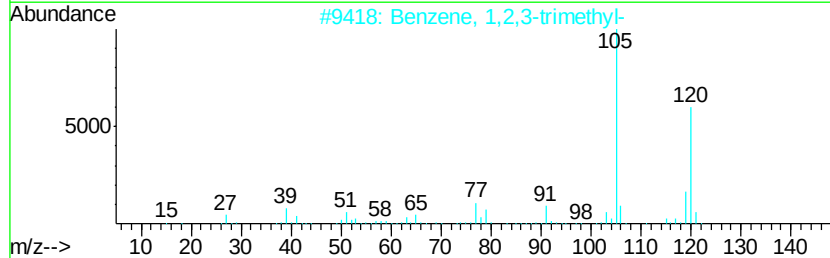
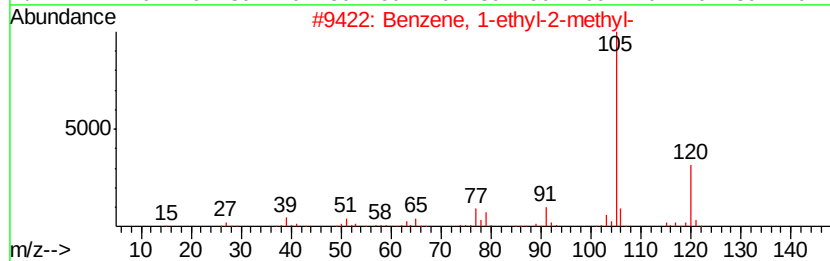
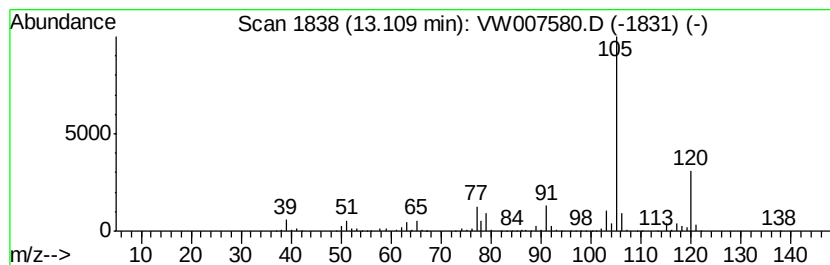
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	42.90 ug/l	695346	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3 95
2		Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8 91
3		Benzene, 1-ethyl-3-methyl-	120 C9H12	000620-14-4 91
4		Benzene, 1-ethyl-4-methyl-	120 C9H12	000622-96-8 91
5		Mesitylene	120 C9H12	000108-67-8 91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007580.D
Acq On : 15 Dec 2018 14:26
Operator : SY/AP
Sample : J6353-04
Misc : 5.28G/5ML/MSVOA_W/SOIL
ALS Vial : 66 Sample Multiplier: 1

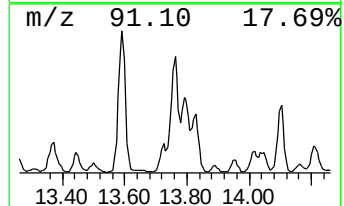
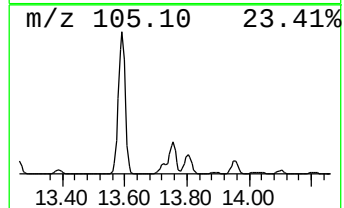
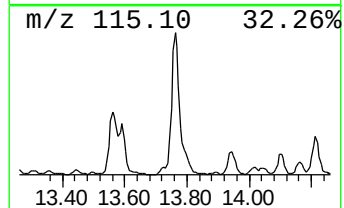
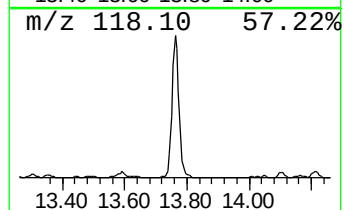
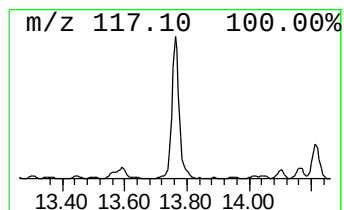
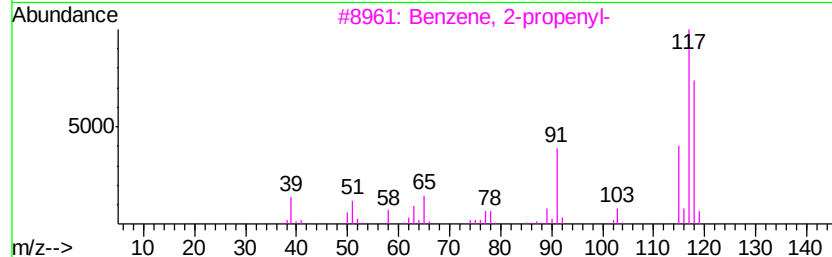
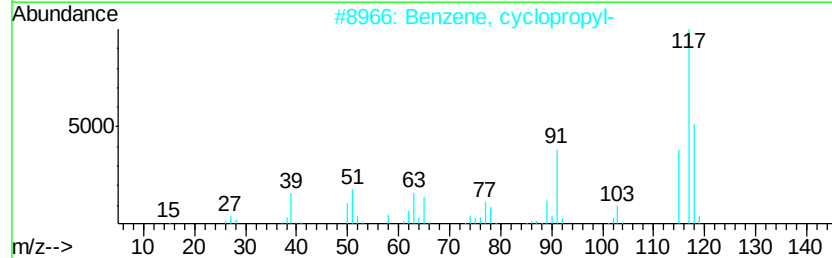
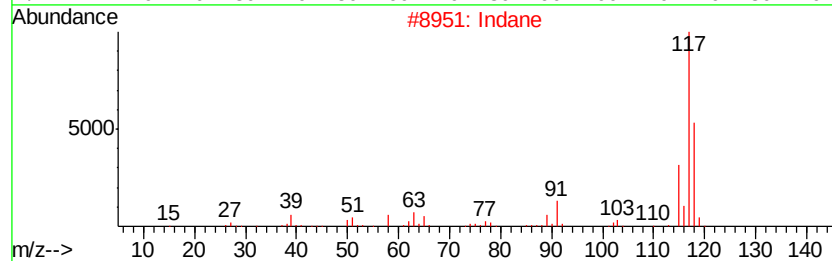
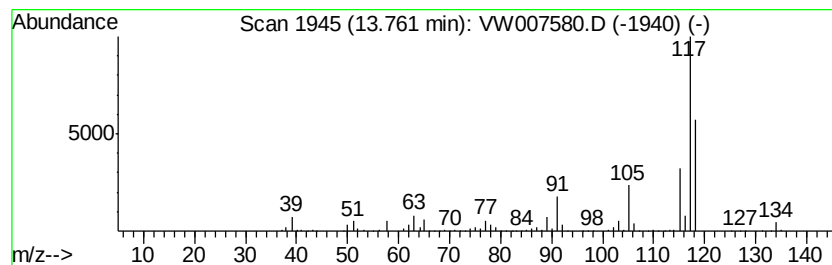
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ClientSampleId :
P001-SS001-0002-02

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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

Peak Number 10 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.76	26.88 ug/l	435740	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	76
2	Benzene, cyclopropyl-		118	C9H10	000873-49-4	70
3	Benzene, 2-propenyl-		118	C9H10	000300-57-2	68
4	Deltacyclene		118	C9H10	007785-10-6	58
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...		118	C9H10	1000191-13-7	52



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007580.D
Acq On : 15 Dec 2018 14:26
Operator : SY/AP
Sample : J6353-04
Misc : 5.28G/5ML/MSVOA_W/SOIL
ALS Vial : 66 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Pentane, 2-methyl-	4.96	47.8	ug/l	531107	1	7.95	555383	50.0
Pentane, 3-methyl-	5.43	14.9	ug/l	165128	1	7.95	555383	50.0
Cyclopentane, met...	6.98	19.2	ug/l	213080	1	7.95	555383	50.0
Hexane, 3-methyl-	8.15	15.8	ug/l	175450	1	7.95	555383	50.0
Heptane	8.70	16.2	ug/l	156063	2	8.84	480991	50.0
Octane	10.51	24.4	ug/l	134276	3	11.63	275076	50.0
5,5-Dimethyl-1,3-...	10.75	15.7	ug/l	86156	3	11.63	275076	50.0
Benzene, 1-ethyl-...	12.87	29.5	ug/l	478143	4	13.56	810489	50.0
Benzene, 1-ethyl-...	13.11	42.9	ug/l	695346	4	13.56	810489	50.0
Indane	13.76	26.9	ug/l	435740	4	13.56	810489	50.0