

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
 Data File : VW007292.D
 Acq On : 06 Dec 2018 21:16
 Operator : SY/AP
 Sample : J6214-05
 Misc : 2.85G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-9(13-15)

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\82W120418S.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	2.154	37	41	49	rVB3	3579	7089	2.08%	0.217%
2	4.922	485	495	505	rVB2	5378	16695	4.90%	0.511%
3	5.952	654	664	672	rBV5	1292	3491	1.02%	0.107%
4	7.135	852	858	868	rBV2	3136	8233	2.41%	0.252%
5	7.891	970	982	986	rBV3	45088	105647	30.98%	3.235%
6	7.952	986	992	1005	rVB	121596	265971	77.99%	8.144%
7	8.305	1034	1050	1063	rBV2	42933	108534	31.83%	3.323%
8	8.848	1129	1139	1150	rBV	157126	315350	92.47%	9.656%
9	10.329	1373	1382	1389	rBV	188134	337968	99.10%	10.348%
10	10.719	1439	1446	1459	rBV3	8510	39353	11.54%	1.205%
11	10.860	1464	1469	1476	rVB7	2911	7084	2.08%	0.217%
12	11.067	1498	1503	1510	rVB2	3792	6445	1.89%	0.197%
13	11.232	1526	1530	1535	rVV3	2246	3722	1.09%	0.114%
14	11.335	1544	1547	1552	rVB5	1722	3608	1.06%	0.110%
15	11.518	1570	1577	1580	rBV3	2982	5234	1.53%	0.160%
16	11.634	1589	1596	1606	rVB	198447	341032	100.00%	10.442%
17	11.841	1621	1630	1633	rBV6	4155	9775	2.87%	0.299%
18	11.878	1633	1636	1640	rVV2	4581	7735	2.27%	0.237%
19	11.920	1640	1643	1648	rVB6	2733	4585	1.34%	0.140%
20	12.067	1661	1667	1672	rVB6	2057	3945	1.16%	0.121%
21	12.140	1672	1679	1685	rBV6	7940	19362	5.68%	0.593%
22	12.256	1691	1698	1703	rVB	14041	22993	6.74%	0.704%
23	12.372	1707	1717	1718	rBV5	9205	22615	6.63%	0.692%
24	12.463	1727	1732	1734	rBV5	2525	3654	1.07%	0.112%
25	12.506	1736	1739	1743	rVV5	5648	11227	3.29%	0.344%
26	12.548	1743	1746	1752	rVB3	9719	15726	4.61%	0.482%
27	12.622	1752	1758	1766	rBV3	134631	220351	64.61%	6.747%
28	12.701	1766	1771	1775	rBV6	3802	7494	2.20%	0.229%
29	12.786	1781	1785	1791	rVB4	15240	28307	8.30%	0.867%
30	12.859	1791	1797	1802	rBV6	9296	21453	6.29%	0.657%
31	12.939	1802	1810	1816	rVV4	32777	82801	24.28%	2.535%
32	12.993	1816	1819	1824	rVB3	13089	21613	6.34%	0.662%
33	13.085	1824	1834	1838	rBV3	13480	27015	7.92%	0.827%
34	13.128	1838	1841	1844	rVV3	11043	19517	5.72%	0.598%

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35	13.170	1844	1848	1854	rVV	45365	76592	22.46%	2.345%
36	13.256	1857	1862	1866	rVV	24100	44946	13.18%	1.376%
37	13.298	1866	1869	1873	rVV3	10024	17037	5.00%	0.522%
38	13.353	1874	1878	1881	rVV4	11272	20711	6.07%	0.634%
39	13.384	1881	1883	1886	rVV4	9492	11304	3.31%	0.346%
40	13.451	1887	1894	1898	rVV2	29759	64509	18.92%	1.975%
41	13.493	1898	1901	1904	rVV3	20423	31489	9.23%	0.964%
42	13.560	1907	1912	1921	rVB	178363	298019	87.39%	9.125%
43	13.701	1931	1935	1937	rBV4	7525	10928	3.20%	0.335%
44	13.804	1947	1952	1955	rBV2	10435	16767	4.92%	0.513%
45	13.884	1959	1965	1969	rBV2	44004	76220	22.35%	2.334%
46	13.926	1969	1972	1976	rVV4	12125	15375	4.51%	0.471%
47	13.987	1978	1982	1984	rVV4	10128	15925	4.67%	0.488%
48	14.042	1984	1991	1995	rVV7	20341	54636	16.02%	1.673%
49	14.097	1997	2000	2005	rVV	26497	41418	12.14%	1.268%
50	14.140	2005	2007	2013	rVB5	12237	16211	4.75%	0.496%
51	14.207	2013	2018	2024	rVB4	16742	30336	8.90%	0.929%
52	14.268	2024	2028	2034	rBV7	9036	19010	5.57%	0.582%
53	14.353	2035	2042	2044	rBV6	8995	18672	5.48%	0.572%
54	14.396	2044	2049	2052	rBV3	23831	36783	10.79%	1.126%
55	14.463	2057	2060	2064	rVV	23306	32856	9.63%	1.006%
56	14.505	2064	2067	2070	rVV4	8452	10510	3.08%	0.322%
57	14.554	2070	2075	2081	rVB7	12226	23029	6.75%	0.705%
58	14.700	2095	2099	2102	rBV6	4427	8627	2.53%	0.264%
59	14.737	2102	2105	2109	rVV	10476	14781	4.33%	0.453%
60	14.798	2110	2115	2121	rVV2	27236	55149	16.17%	1.689%
61	14.859	2121	2125	2132	rVB3	10233	20724	6.08%	0.635%
62	14.969	2138	2143	2148	rVB2	9984	16739	4.91%	0.513%
63	15.072	2156	2160	2164	rBV5	5038	7693	2.26%	0.236%
64	15.176	2173	2177	2184	rVB5	6417	14164	4.15%	0.434%
65	15.267	2188	2192	2198	rVB7	1821	3751	1.10%	0.115%
66	15.371	2206	2209	2214	rVB2	3017	5018	1.47%	0.154%
67	15.505	2224	2231	2239	rVB2	4539	10365	3.04%	0.317%

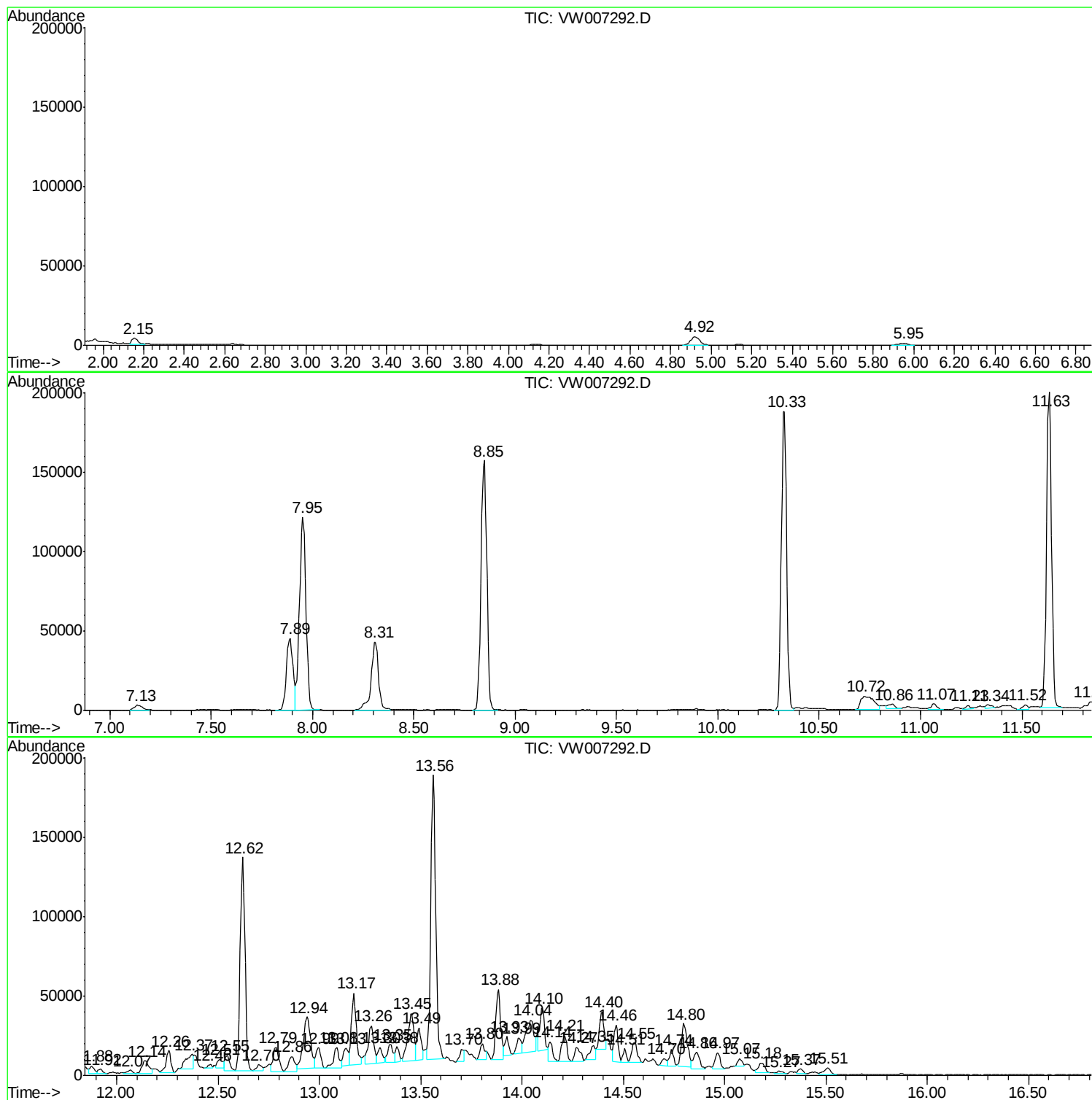
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SB-9(13-15)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

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



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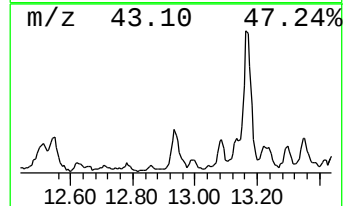
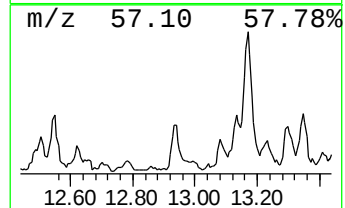
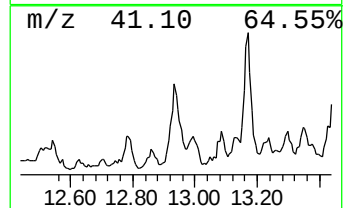
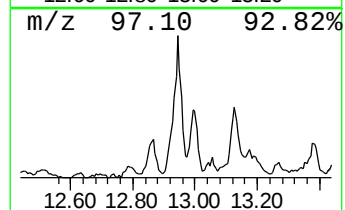
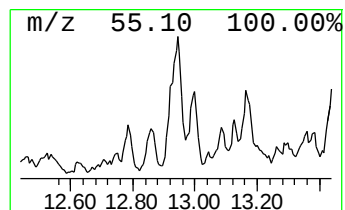
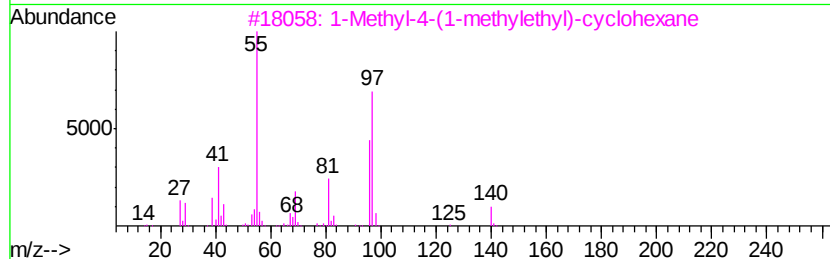
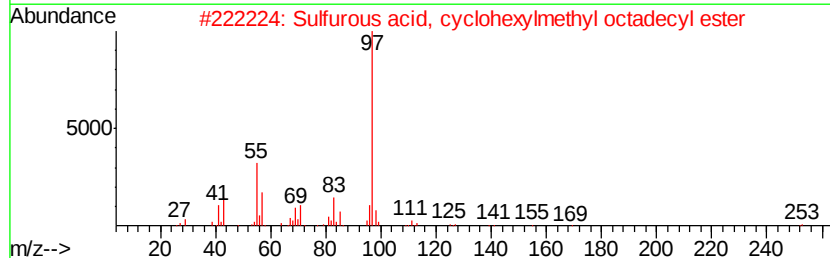
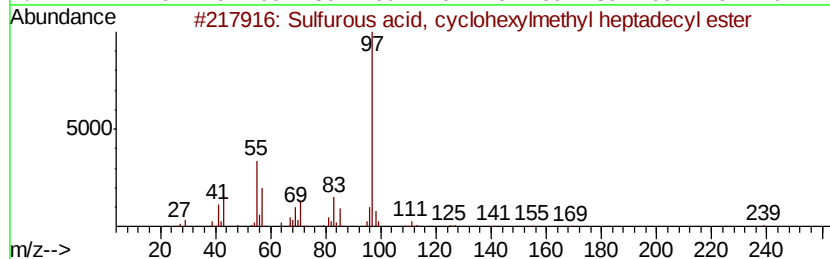
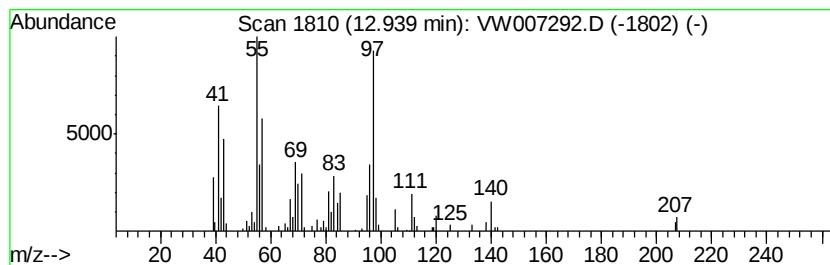
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

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

Peak Number 2 Sulfurous acid, cyclohexylm... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	13.89 ug/l	82801	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cvclohexylmethvl...	416	C24H48O3S	1000309-22-5	52
2		Sulfurous acid, cvclohexylmethvl...	430	C25H50O3S	1000309-22-6	52
3		1-Methvl-4-(1-methvlethvl)-cvclo...	140	C10H20	000099-82-1	43
4		Thiophene, 2-butvl-	140	C8H12S	001455-20-5	43
5		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	43



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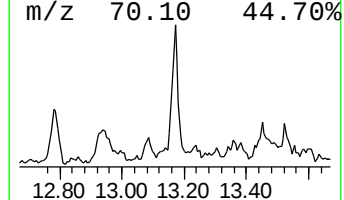
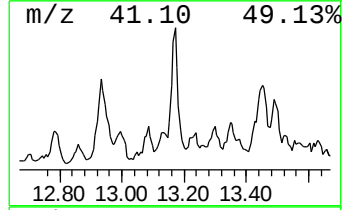
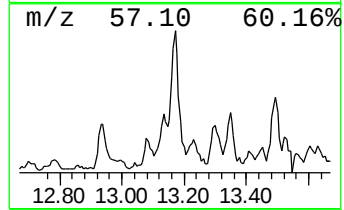
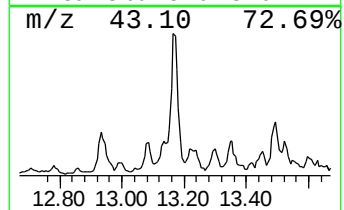
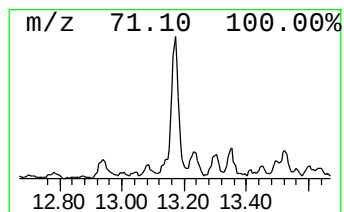
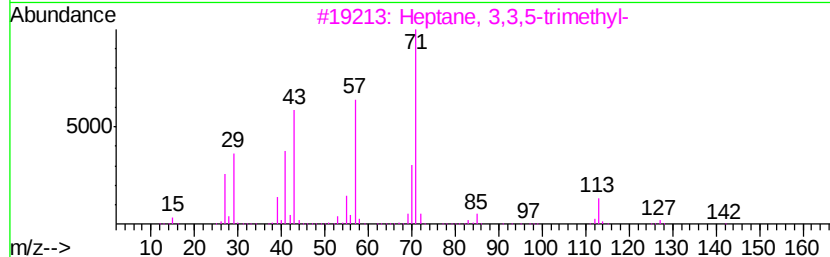
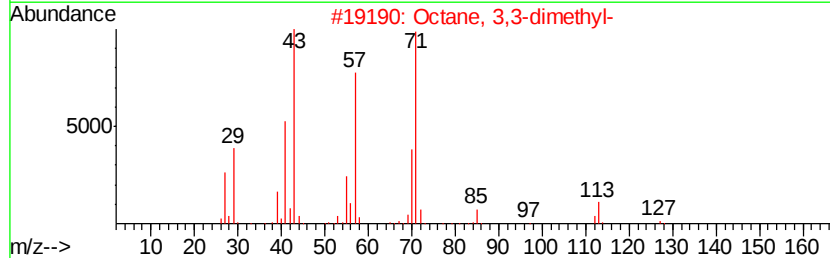
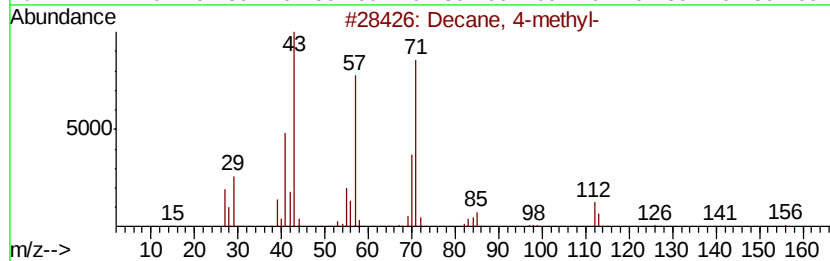
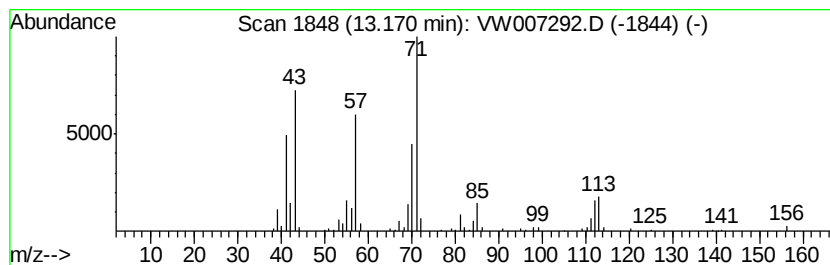
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Quant Title : SW846 8260

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

Peak Number 3 Decane, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	12.85 ug/l	76592	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	91
2		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	78
3		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
4		Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	59
5		Octane, 3-ethyl-	142	C10H22	005881-17-4	59



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ALS Vial : 13 Sample Multiplier: 1

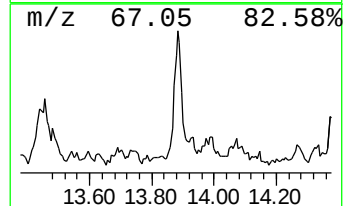
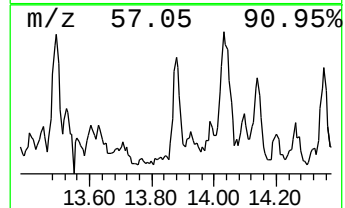
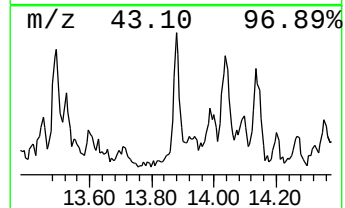
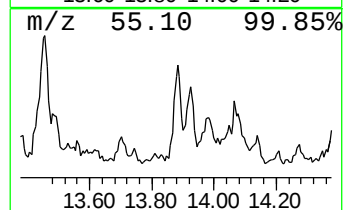
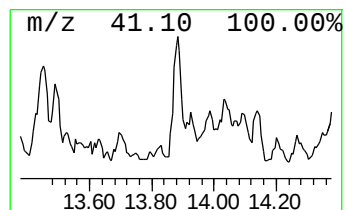
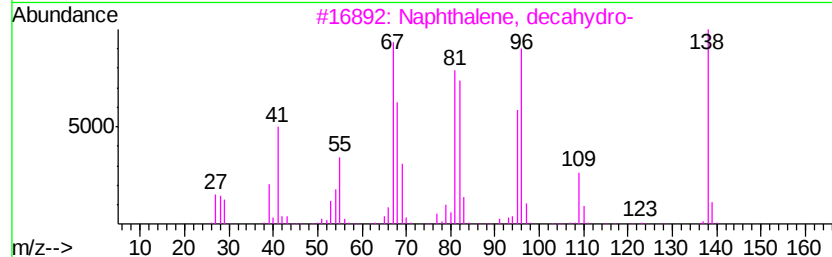
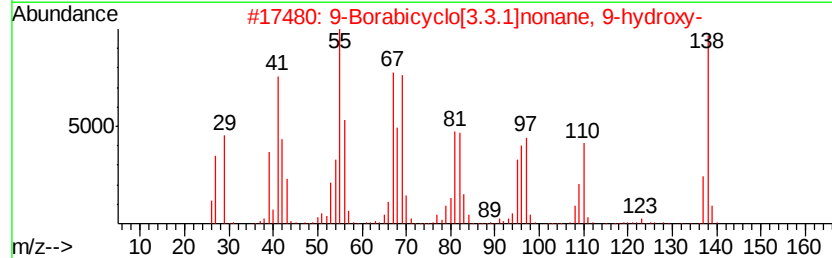
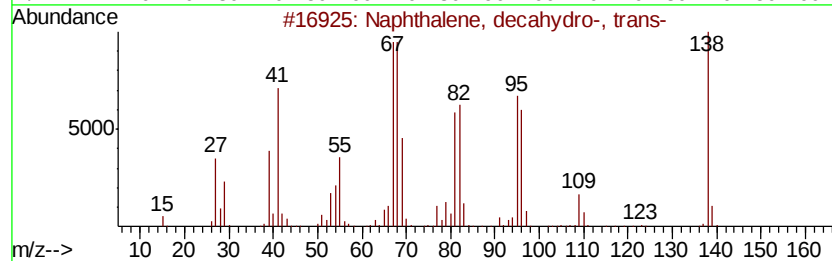
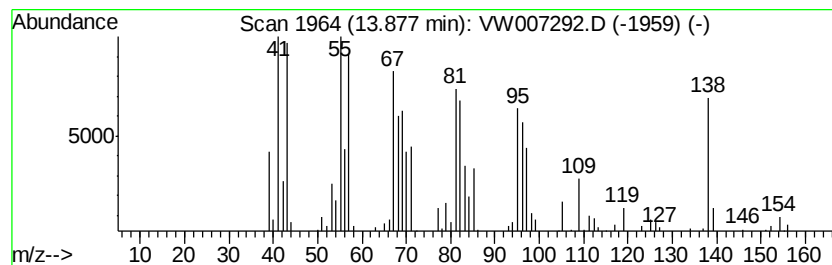
Instrument :
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ClientSampled :
SB-9(13-15)

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

Peak Number 5 Naphthalene, decahydro-, tr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	12.79 ug/l	76220	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, decahydro-, trans-	138 C10H18	000493-02-7 94
2		9-Borabicyclo[3.3.1]nonane, 9-hy...	138 C8H15BO	063366-65-4 86
3		Naphthalene, decahydro-	138 C10H18	000091-17-8 81
4		Spiro[4.5]decane	138 C10H18	000176-63-6 76
5		Naphthalene, decahydro-, cis-	138 C10H18	000493-01-6 76



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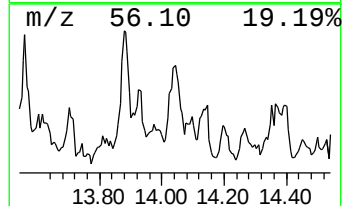
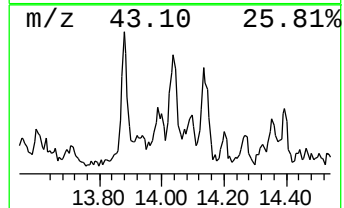
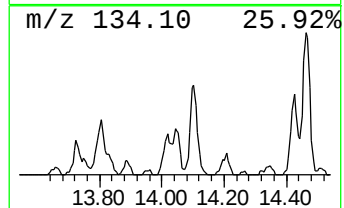
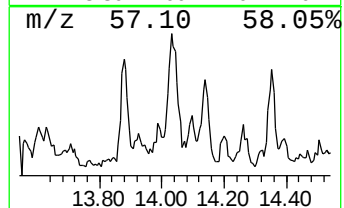
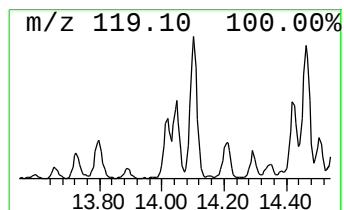
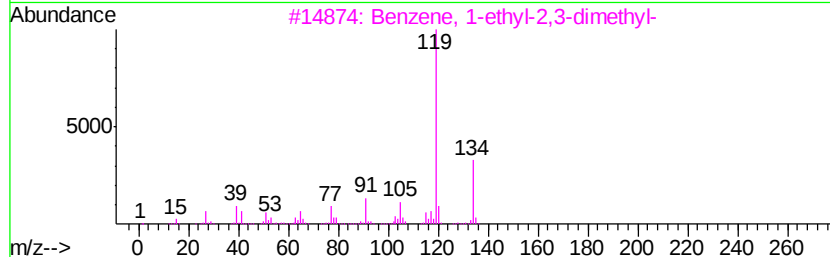
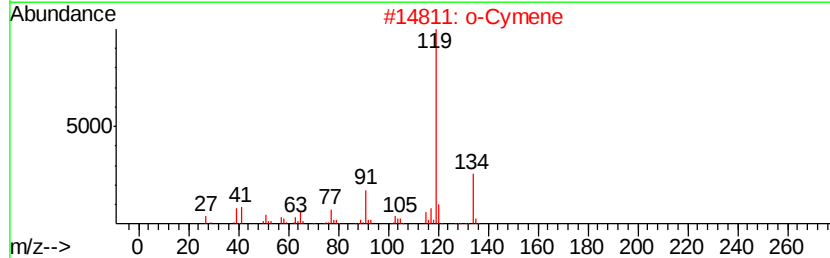
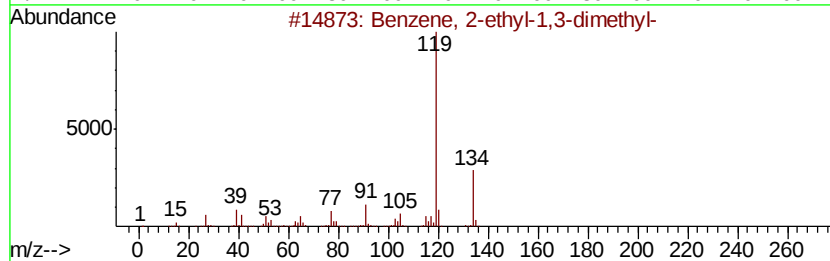
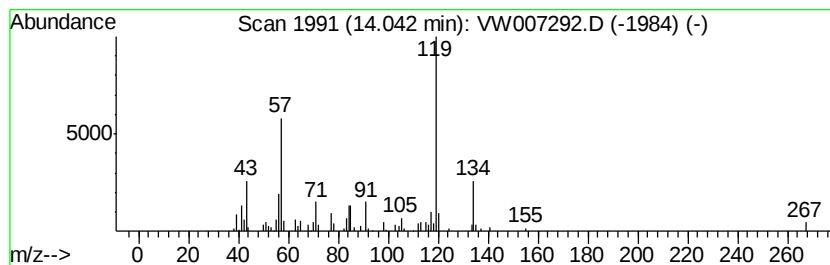
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	9.17 ug/l	54636	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
2		o-Cymene	134	C10H14	000527-84-4	92
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
4		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	76
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007292.D
Acq On : 06 Dec 2018 21:16
Operator : SY/AP
Sample : J6214-05
Misc : 2.85G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-9(13-15)

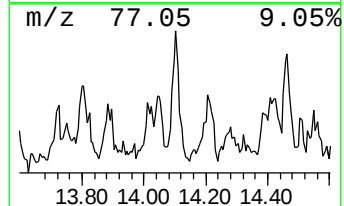
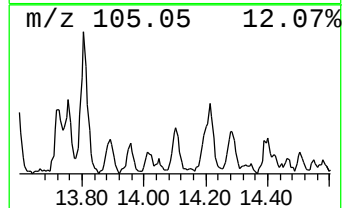
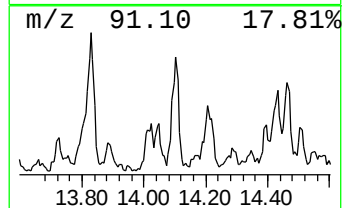
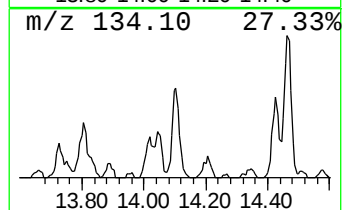
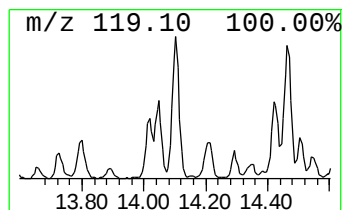
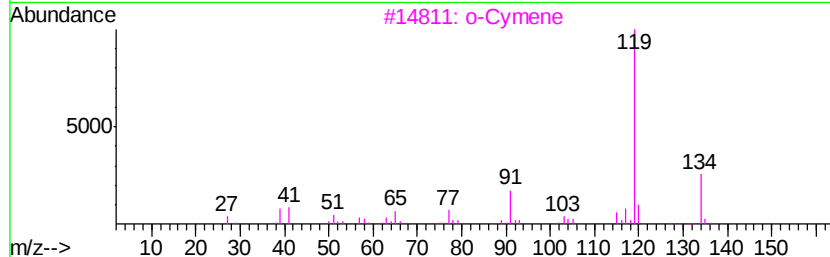
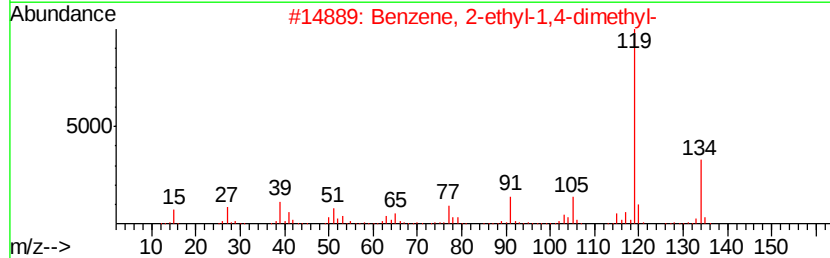
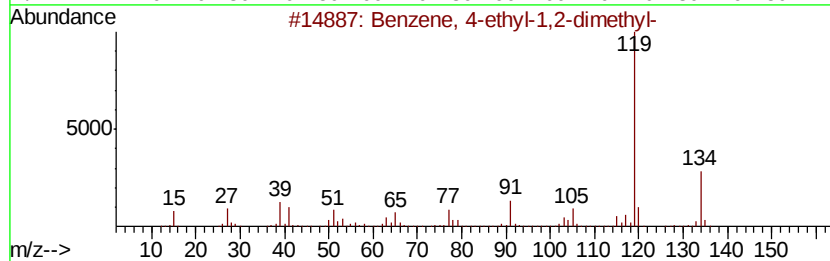
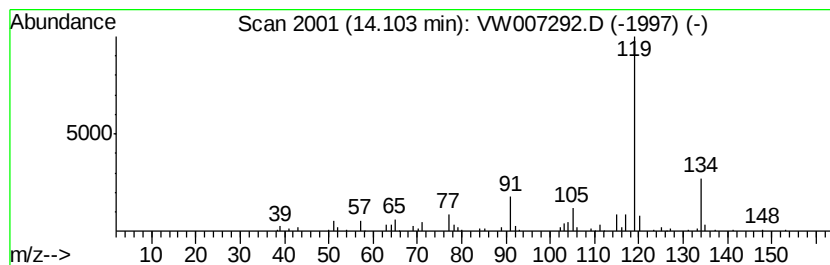
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	6.95 ug/l	41418	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3		o-Cymene	134	C10H14	000527-84-4	94
4		p-Cymene	134	C10H14	000099-87-6	94
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007292.D
Acq On : 06 Dec 2018 21:16
Operator : SY/AP
Sample : J6214-05
Misc : 2.85G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-9(13-15)

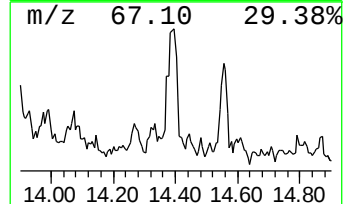
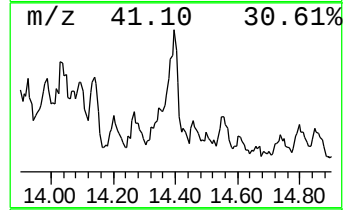
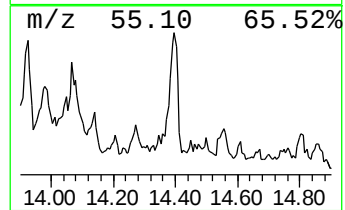
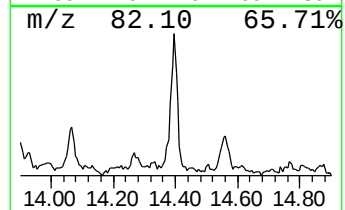
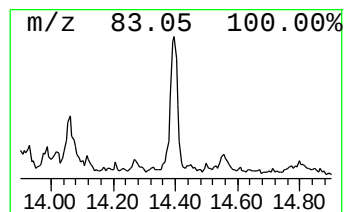
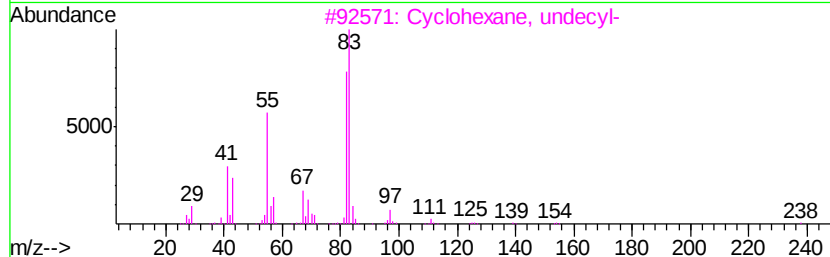
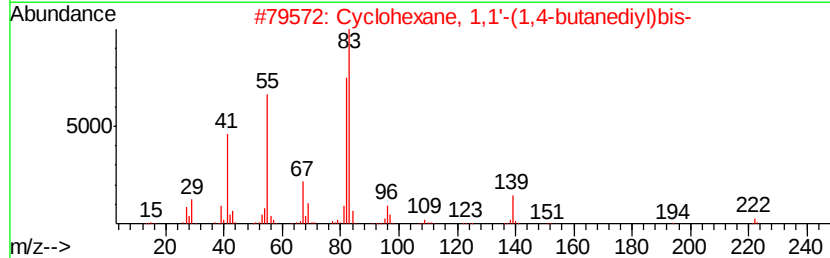
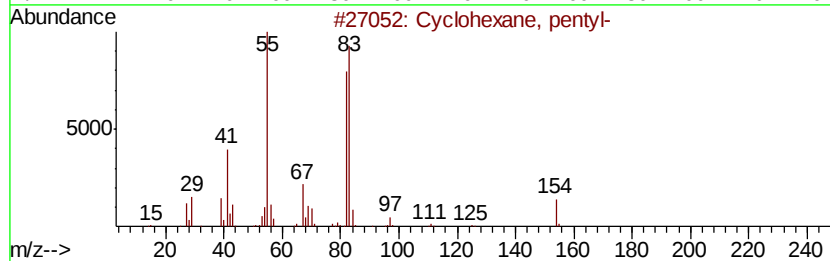
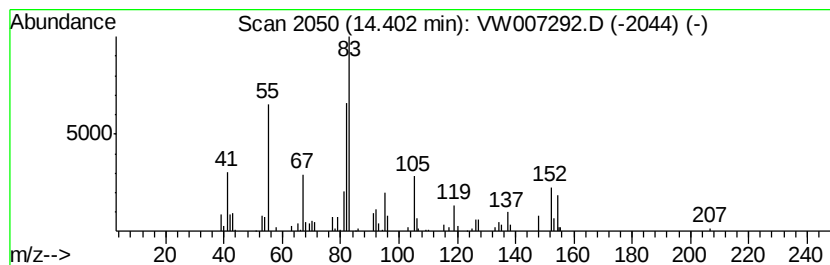
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

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

Peak Number 8 Cyclohexane, pentyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	6.17 ug/l	36783	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	50
2		Cyclohexane, 1,1'-(1,4-butanediyl)...	222	C16H30	006165-44-2	47
3		Cyclohexane, undecyl-	238	C17H34	054105-66-7	43
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	43
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007292.D
Acq On : 06 Dec 2018 21:16
Operator : SY/AP
Sample : J6214-05
Misc : 2.85G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-9(13-15)

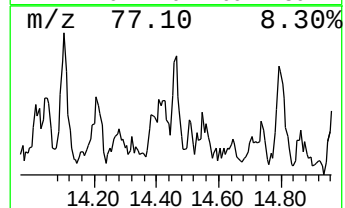
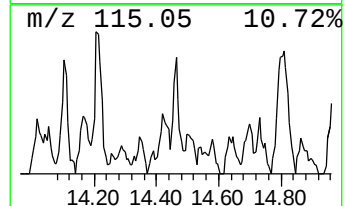
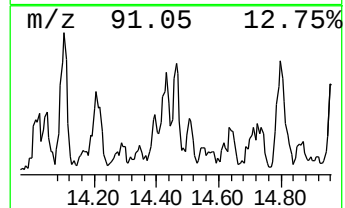
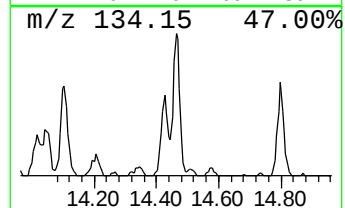
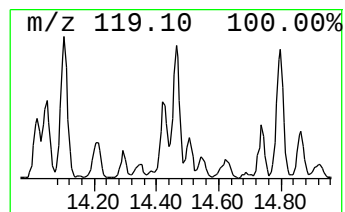
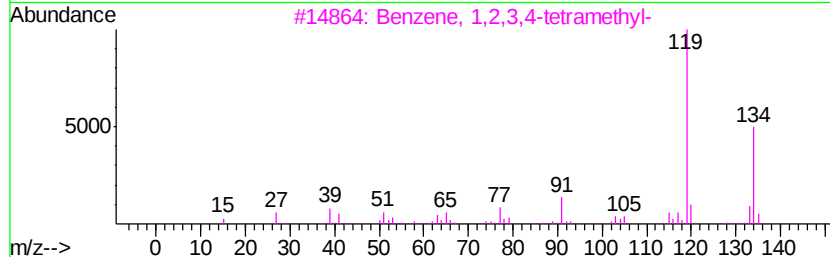
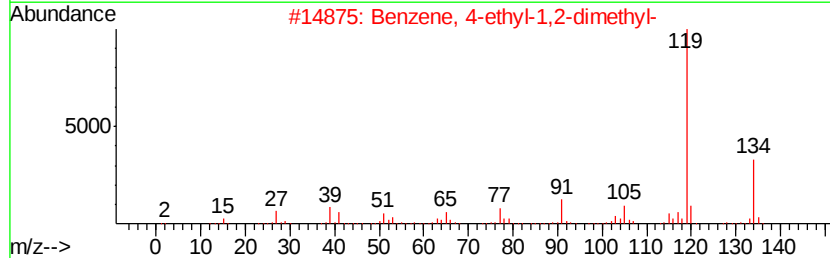
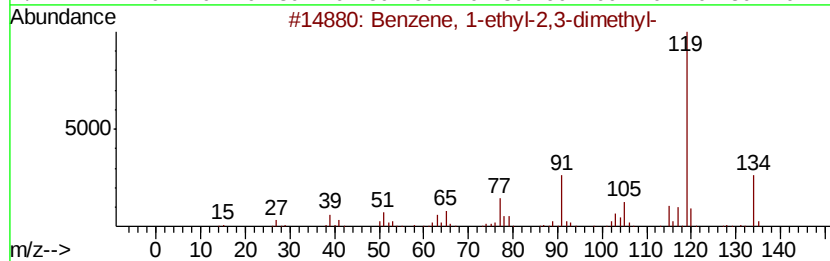
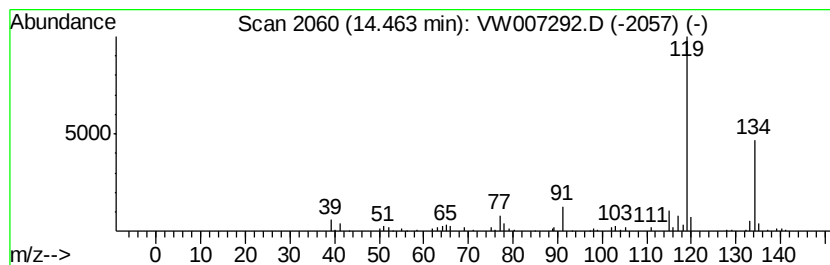
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	5.51 ug/l	32856	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120618\
Data File : VW007292.D
Acq On : 06 Dec 2018 21:16
Operator : SY/AP
Sample : J6214-05
Misc : 2.85G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-9(13-15)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.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
Sulfurous acid, c...	12.94	13.9	ug/l	82801	4	13.56	298019	50.0
Decane, 4-methyl-	13.17	12.9	ug/l	76592	4	13.56	298019	50.0
Naphthalene, deca...	13.88	12.8	ug/l	76220	4	13.56	298019	50.0
Benzene, 2-ethyl-...	14.04	9.2	ug/l	54636	4	13.56	298019	50.0
Benzene, 4-ethyl-...	14.10	7.0	ug/l	41418	4	13.56	298019	50.0
Cyclohexane, pentyl-	14.40	6.2	ug/l	36783	4	13.56	298019	50.0
Benzene, 1-ethyl-...	14.46	5.5	ug/l	32856	4	13.56	298019	50.0