

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080819\
 Data File : VW011761.D
 Acq On : 07 Aug 2019 19:30
 Operator : SY/VA
 Sample : K4092-05
 Misc : 6.40G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-080719-C

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\82W072719S.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	34	41	48	rBV	14712	32562	2.77%	0.351%
2	2.355	66	74	82	rBV	20112	36563	3.11%	0.395%
3	2.660	110	124	128	rBV7	12554	36369	3.09%	0.393%
4	4.915	481	494	506	rBV2	13175	50373	4.28%	0.544%
5	7.140	852	859	869	rVB2	4192	12070	1.03%	0.130%
6	7.531	912	923	935	rBV2	7962	22382	1.90%	0.242%
7	7.884	972	981	986	rBV2	150075	356713	30.33%	3.850%
8	7.945	986	991	1003	rVB	283192	610902	51.95%	6.594%
9	8.305	1040	1050	1061	rBV	169599	373461	31.76%	4.031%
10	8.841	1128	1138	1150	rBV	441031	873607	74.29%	9.429%
11	10.323	1373	1381	1388	rBV	672532	1175971	100.00%	12.693%
12	10.390	1388	1392	1399	rVB	8786	18423	1.57%	0.199%
13	10.707	1438	1444	1448	rBV2	6374	11923	1.01%	0.129%
14	11.634	1589	1596	1607	rVB	531954	922186	78.42%	9.953%
15	12.615	1750	1757	1765	rBV	388620	664799	56.53%	7.175%
16	12.865	1794	1798	1801	rBV	19967	34077	2.90%	0.368%
17	12.938	1806	1810	1818	rVB3	42821	80898	6.88%	0.873%
18	13.103	1824	1837	1845	rVB3	41102	150803	12.82%	1.628%
19	13.249	1857	1861	1866	rBV	37435	60735	5.16%	0.656%
20	13.444	1889	1893	1897	rBV2	21948	40264	3.42%	0.435%
21	13.560	1906	1912	1922	rVB2	405604	710769	60.44%	7.671%
22	13.749	1939	1943	1946	rVV2	49340	76155	6.48%	0.822%
23	13.792	1946	1950	1959	rVB3	63500	128898	10.96%	1.391%
24	13.877	1959	1964	1970	rBV3	49009	86451	7.35%	0.933%
25	13.950	1972	1976	1982	rVV	24925	47802	4.06%	0.516%
26	14.011	1983	1986	1988	rVV2	18383	28758	2.45%	0.310%
27	14.042	1988	1991	1994	rVV	34470	53960	4.59%	0.582%
28	14.097	1996	2000	2005	rVB	66232	105494	8.97%	1.139%
29	14.206	2013	2018	2023	rBV3	53392	87486	7.44%	0.944%
30	14.255	2023	2026	2029	rBV4	9858	13179	1.12%	0.142%
31	14.340	2035	2040	2044	rBV3	26730	49630	4.22%	0.536%
32	14.389	2044	2048	2050	rVV3	33423	57010	4.85%	0.615%
33	14.420	2050	2053	2056	rVV	44310	67676	5.75%	0.730%
34	14.456	2056	2059	2063	rVV	47316	65702	5.59%	0.709%

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Integration Parameters: RTEINT.P

Integrator: RTE
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Sampling : 1
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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35	14.499	2063	2066	2070	rVV	35126	50435	4.29%	0.544%
36	14.542	2070	2073	2080	rVV3	36114	63239	5.38%	0.683%
37	14.639	2086	2089	2093	rVV	26063	37482	3.19%	0.405%
38	14.688	2093	2097	2100	rVV2	34596	62175	5.29%	0.671%
39	14.724	2100	2103	2109	rVB2	55333	90210	7.67%	0.974%
40	14.804	2109	2116	2122	rBV3	102139	264721	22.51%	2.857%
41	14.859	2122	2125	2131	rVB2	32016	53056	4.51%	0.573%
42	14.956	2137	2141	2148	rVB	74670	126371	10.75%	1.364%
43	15.066	2154	2159	2163	rBV3	45850	80725	6.86%	0.871%
44	15.182	2172	2178	2184	rVB2	53763	120933	10.28%	1.305%
45	15.328	2198	2202	2205	rBV4	25014	40640	3.46%	0.439%
46	15.419	2212	2217	2222	rBV	54113	97249	8.27%	1.050%
47	15.474	2222	2226	2228	rBV3	26489	43054	3.66%	0.465%
48	15.554	2236	2239	2248	rVB2	44793	88373	7.51%	0.954%
49	15.657	2249	2256	2263	rVV3	42819	101118	8.60%	1.091%
50	15.730	2265	2268	2273	rVB6	14005	22536	1.92%	0.243%
51	15.822	2278	2283	2286	rVV3	33236	73841	6.28%	0.797%
52	15.865	2286	2290	2299	rVB2	89087	168809	14.35%	1.822%
53	16.029	2312	2317	2332	rVB5	31555	102055	8.68%	1.102%
54	16.182	2332	2342	2348	rBV3	58950	151510	12.88%	1.635%
55	16.377	2368	2374	2380	rVV2	57282	122162	10.39%	1.319%
56	16.444	2380	2385	2390	rVV4	21772	52093	4.43%	0.562%
57	16.499	2390	2394	2398	rVB5	25214	44903	3.82%	0.485%
58	16.657	2411	2420	2425	rBV5	18855	63323	5.38%	0.683%

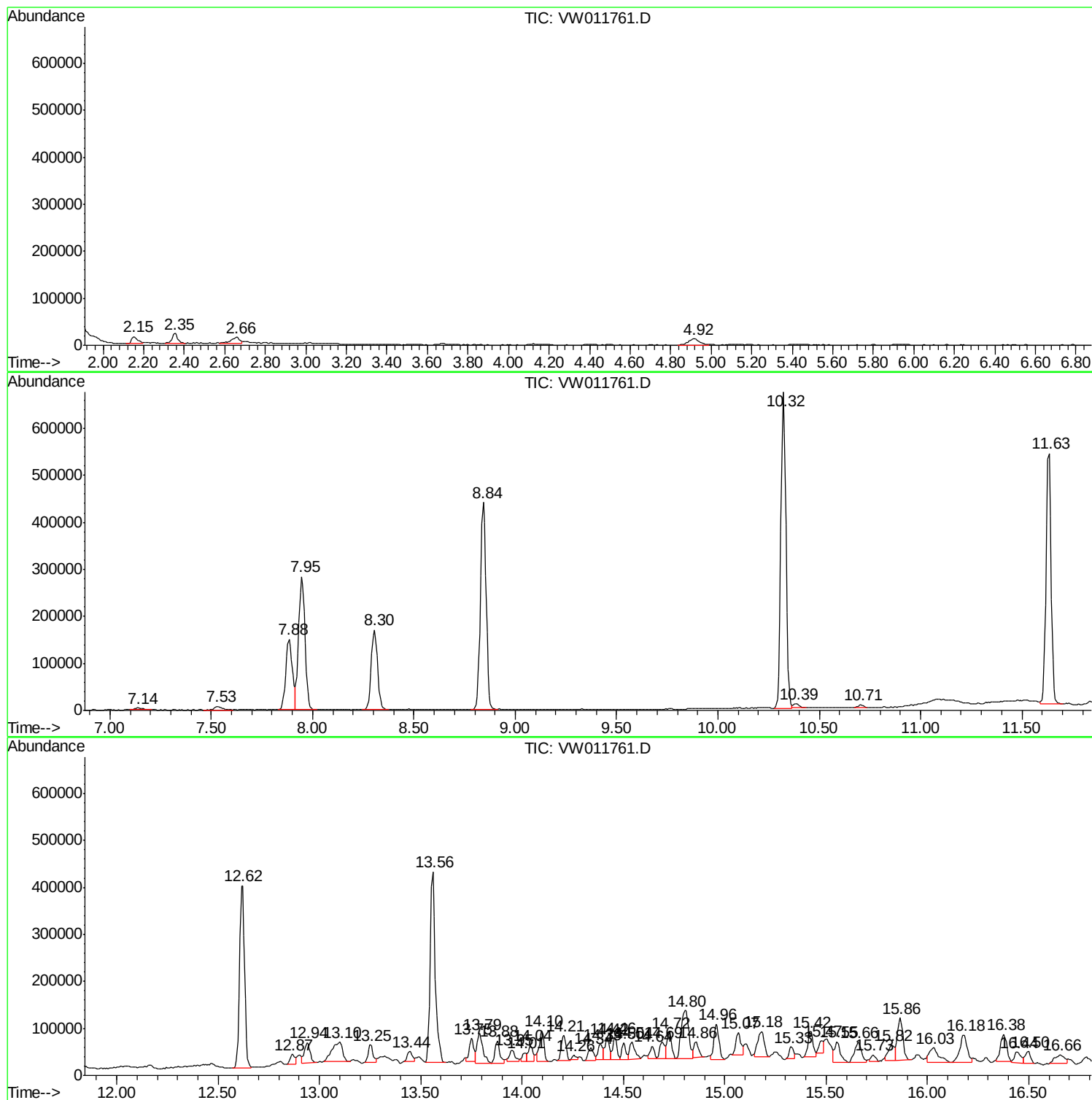
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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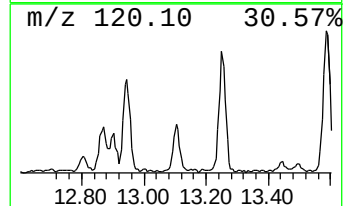
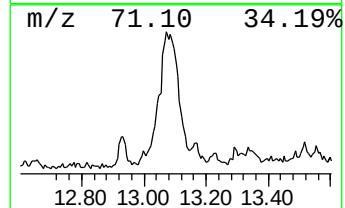
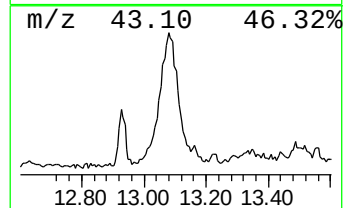
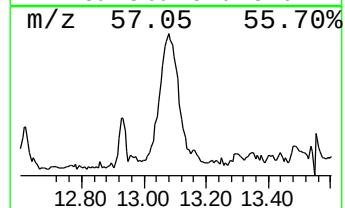
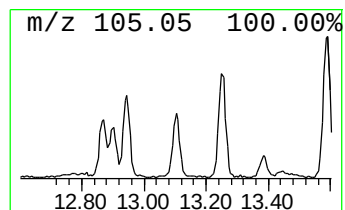
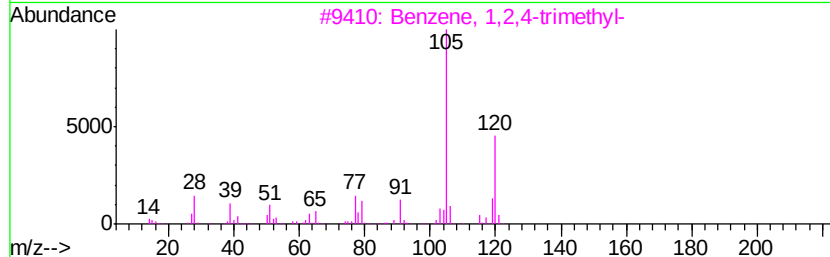
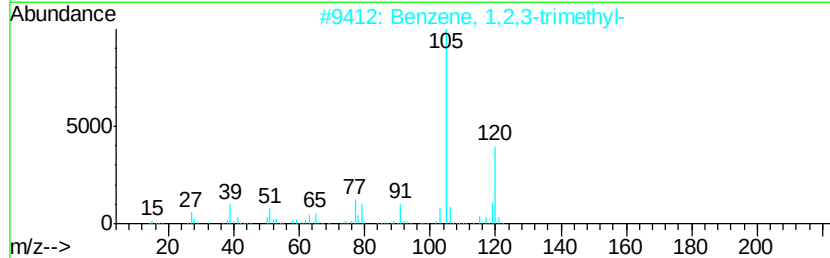
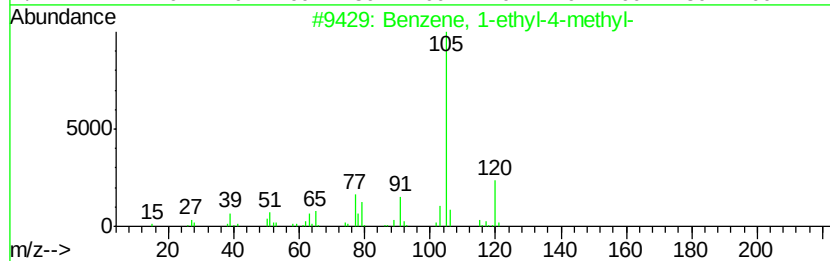
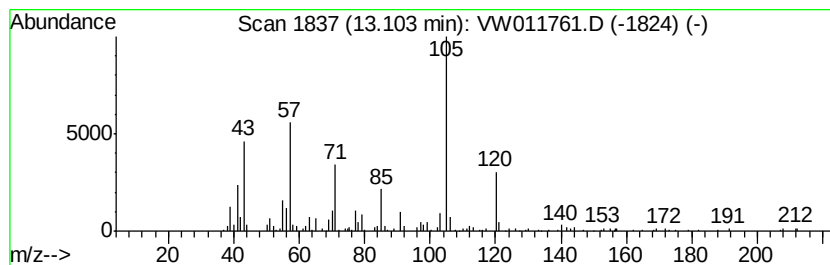
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260

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

Peak Number 1 Benzene, 1-ethyl-4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	10.61 ug/l	150803	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	55
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	55
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	55
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	55
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	55



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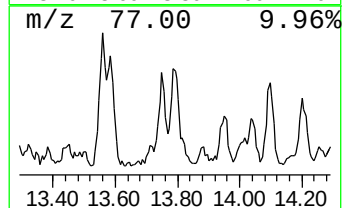
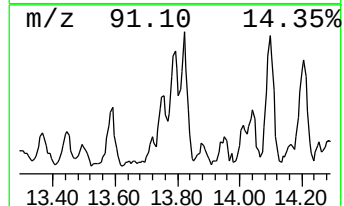
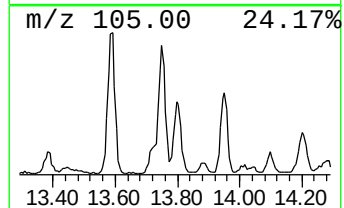
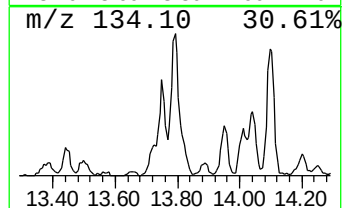
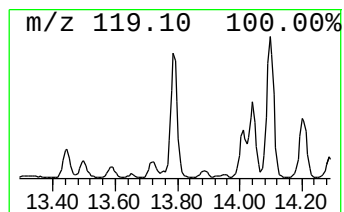
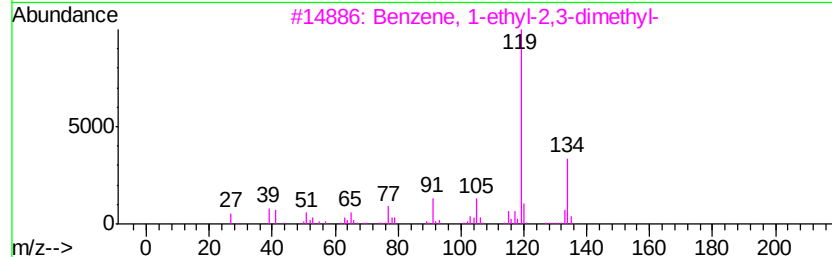
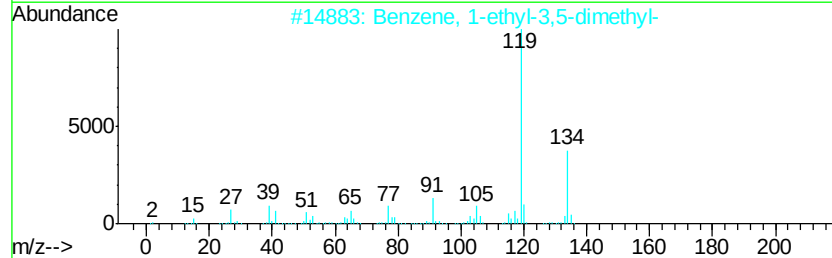
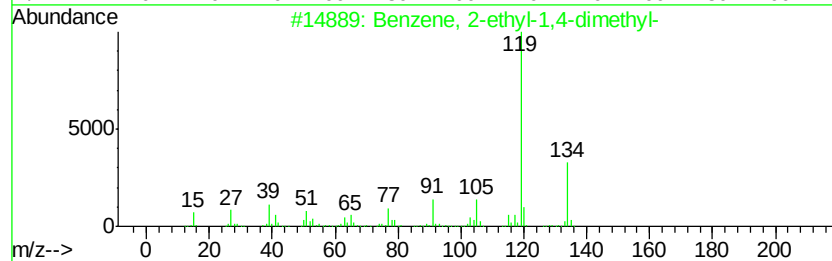
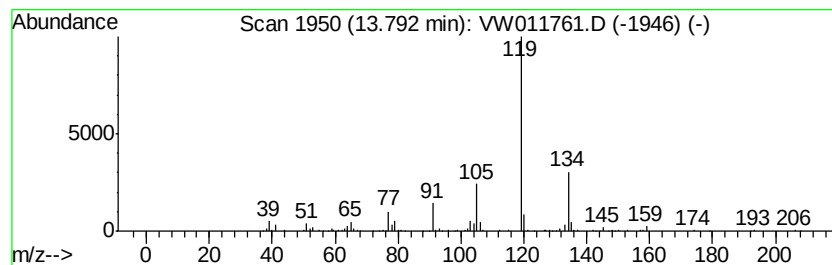
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260

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

Peak Number 2 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	9.07 ug/l	128898	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	83
5		o-Cymene	134	C10H14	000527-84-4	80



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ALS Vial : 22 Sample Multiplier: 1

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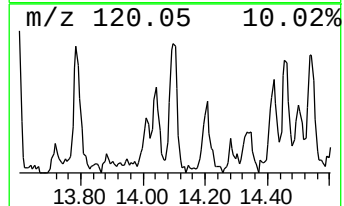
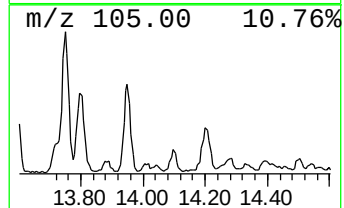
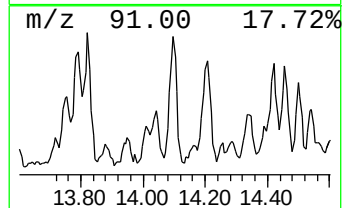
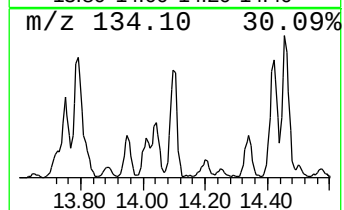
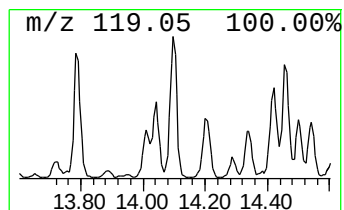
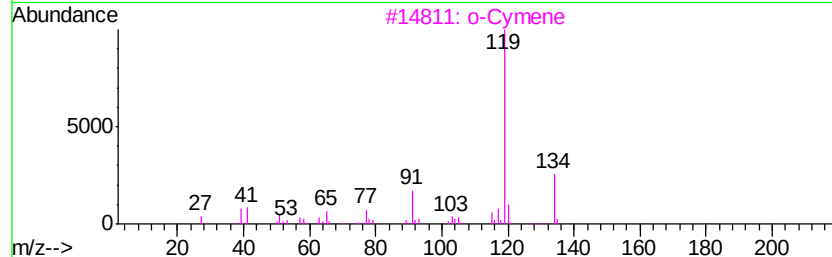
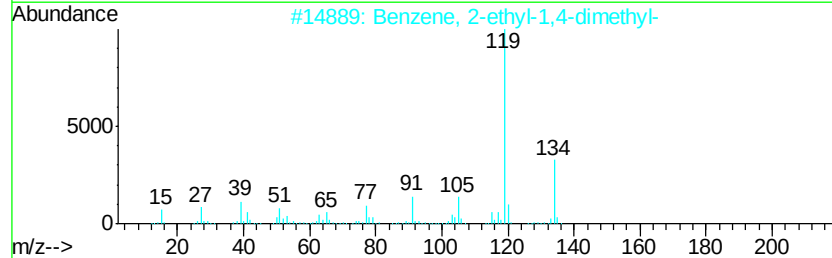
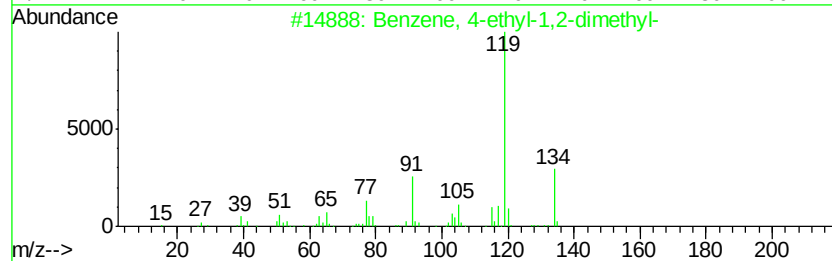
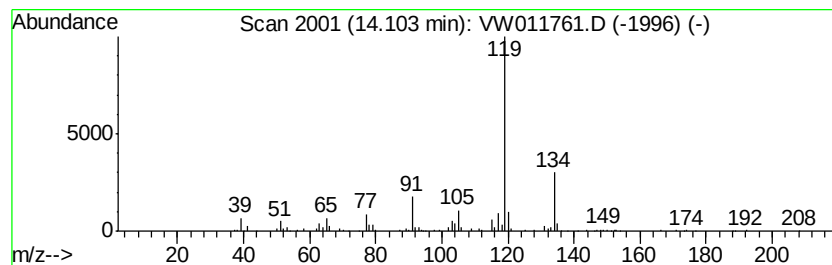
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	7.42 ug/l	105494	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	96
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		p-Cymene	134	C10H14	000099-87-6	95
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95



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ALS Vial : 22 Sample Multiplier: 1

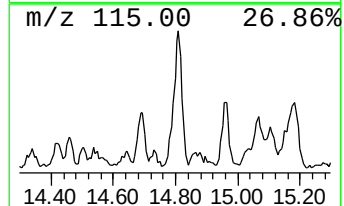
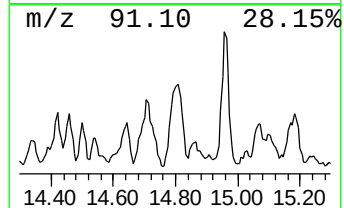
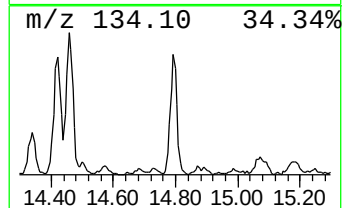
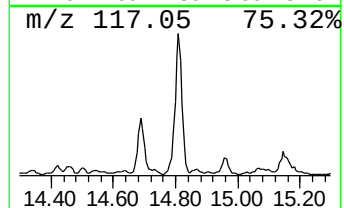
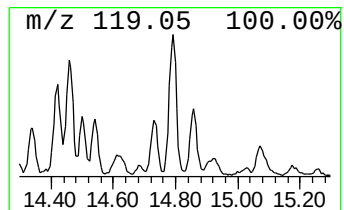
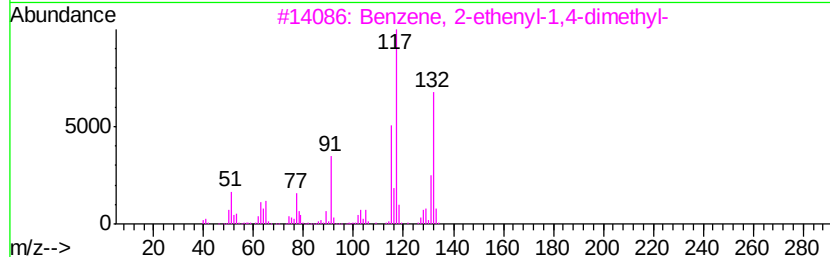
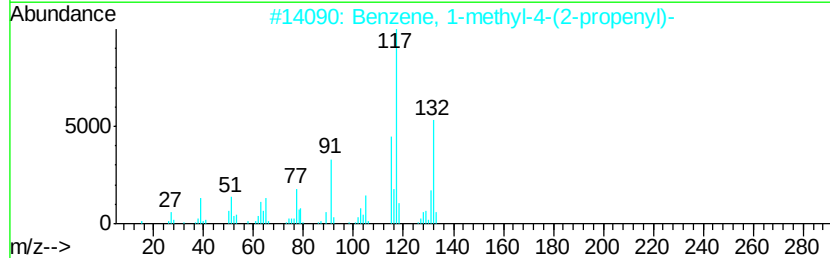
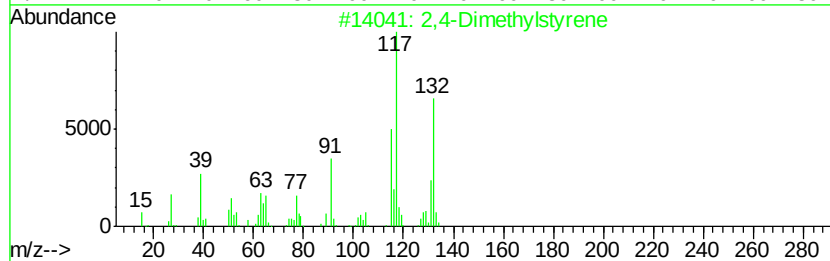
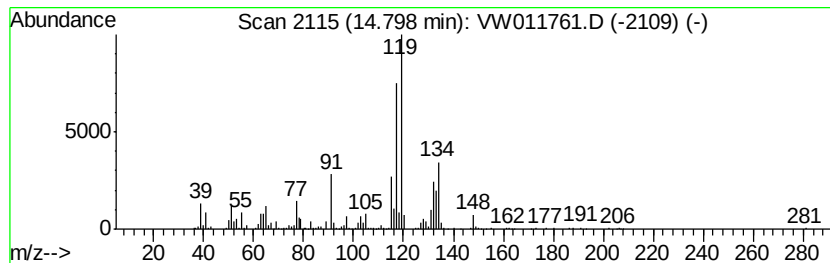
Instrument :
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ClientSampleId :
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Quant Title : SW846 8260

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

Peak Number 4 2,4-Dimethylstyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	18.62 ug/l	264721	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2,4-Dimethylstyrene	132 C10H12	002234-20-0	90
2	Benzene, 1-methyl-4-(2-propenyl)-	132 C10H12	003333-13-9	86
3	Benzene, 2-ethenyl-1,4-dimethyl-	132 C10H12	002039-89-6	86
4	Benzene, (1-methyl-1-propenyl)-,...	132 C10H12	000768-00-3	76
5	1H-Indene, 2,3-dihydro-4-methyl-	132 C10H12	000824-22-6	70



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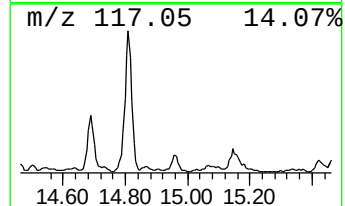
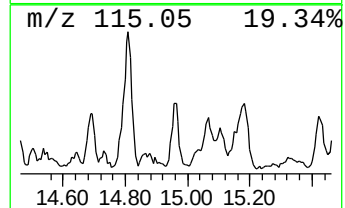
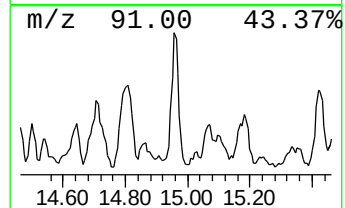
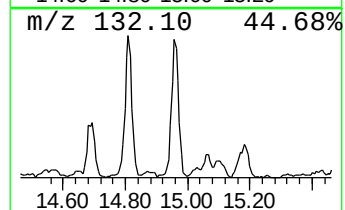
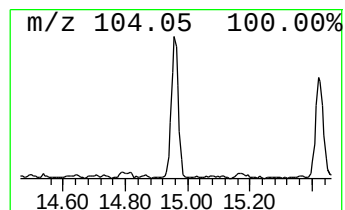
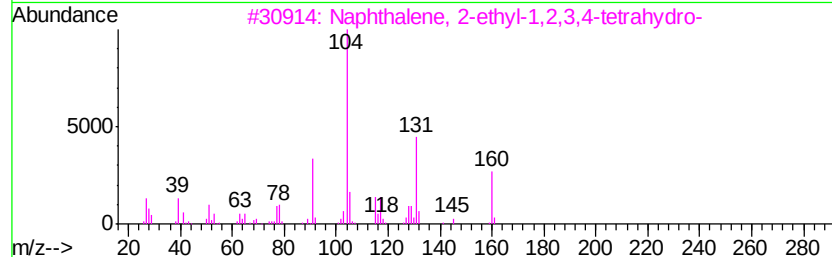
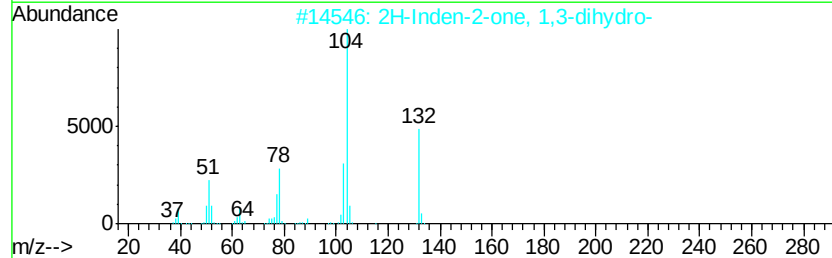
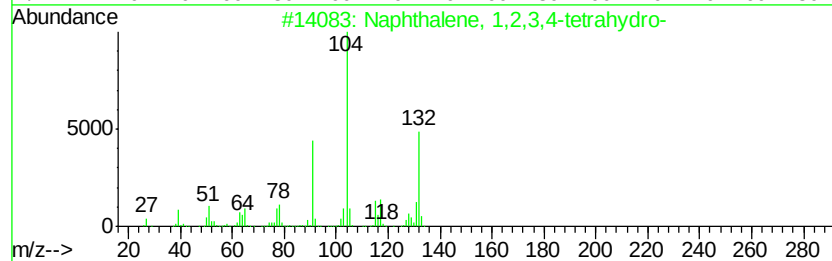
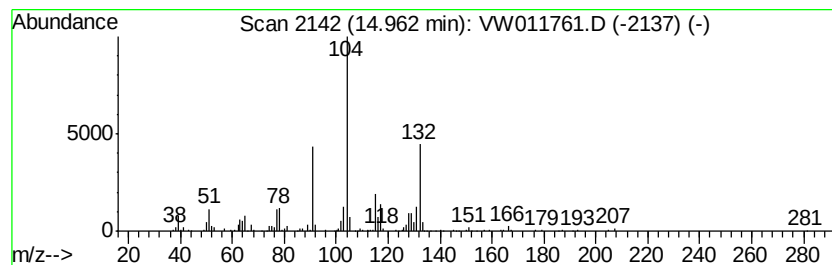
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Quant Title : SW846 8260

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

Peak Number 5 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	8.89 ug/l	126371	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2		2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	58
3		Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	53
4		1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	45
5		Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080819\
Data File : VW011761.D
Acq On : 07 Aug 2019 19:30
Operator : SY/VA
Sample : K4092-05
Misc : 6.40G/5ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

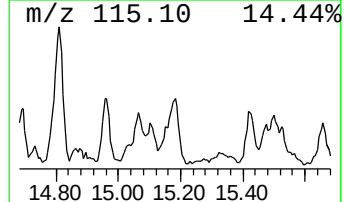
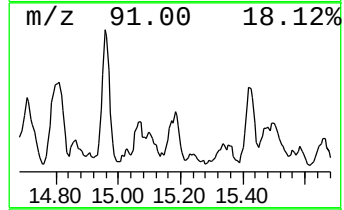
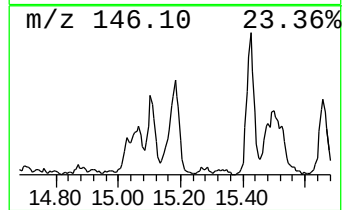
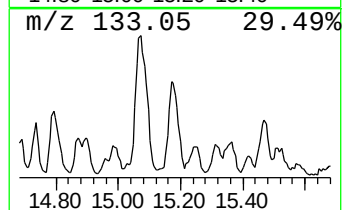
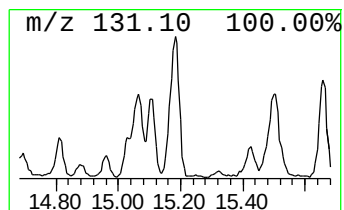
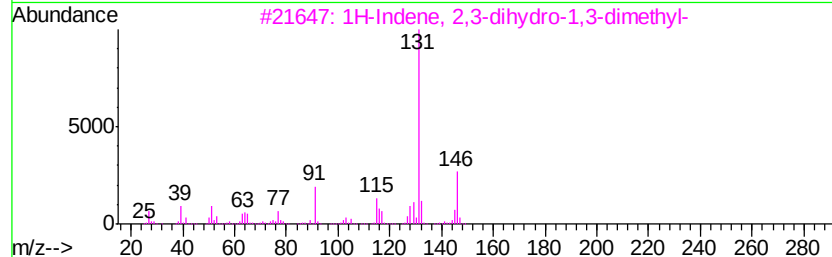
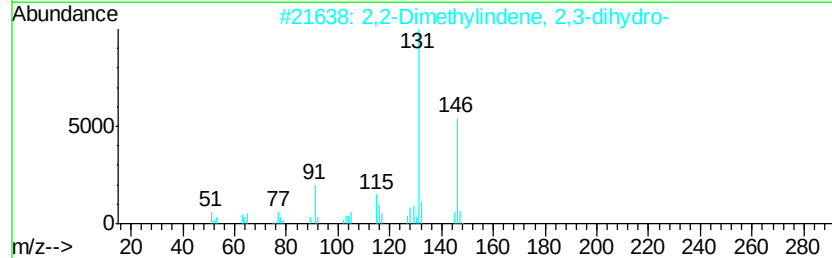
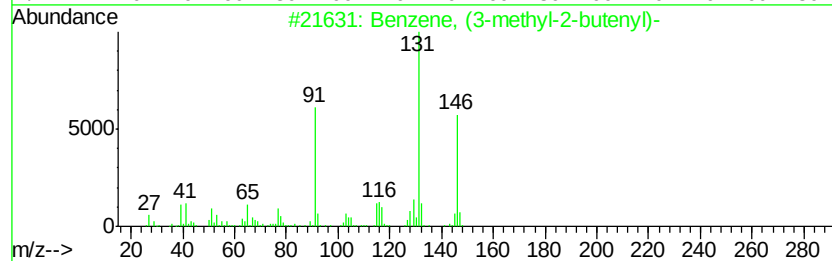
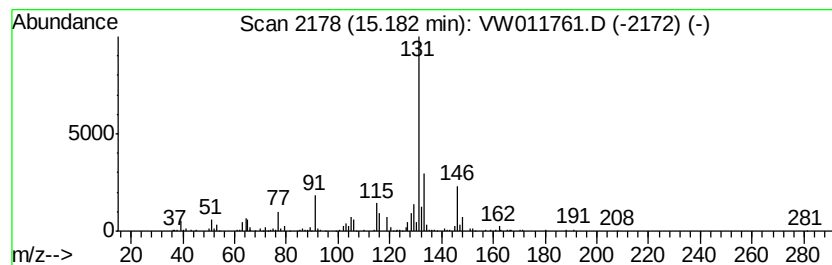
Instrument :
MSVOA_W
ClientSampleId :
EO-01-080719-C

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260

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

Peak Number 6 Benzene, (3-methyl-2-butenyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.18	8.51 ug/l	120933	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
2		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
3		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
4		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81
5		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080819\
Data File : VW011761.D
Acq On : 07 Aug 2019 19:30
Operator : SY/VA
Sample : K4092-05
Misc : 6.40G/5ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EO-01-080719-C

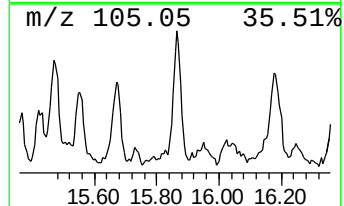
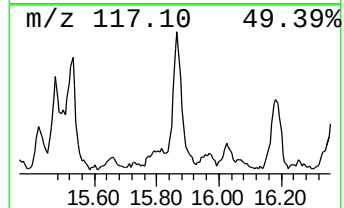
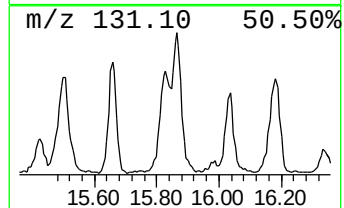
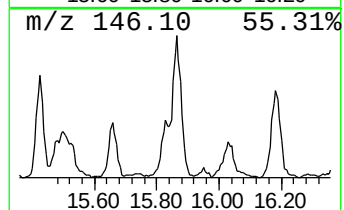
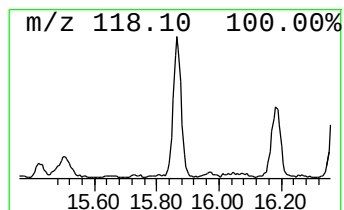
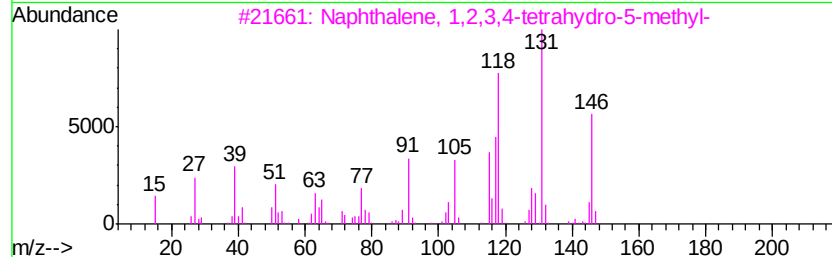
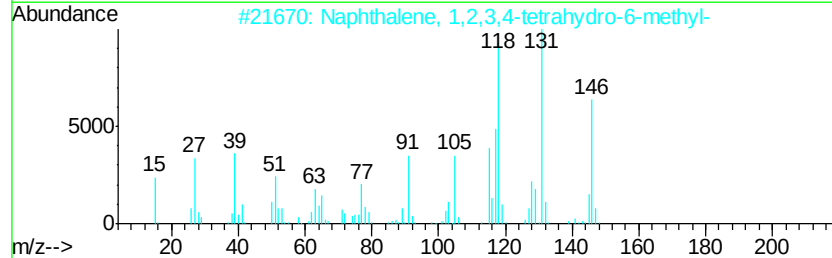
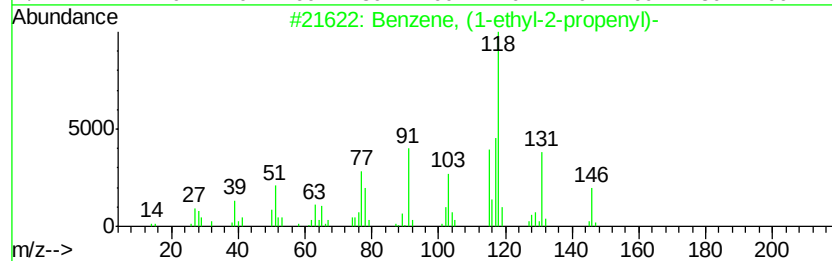
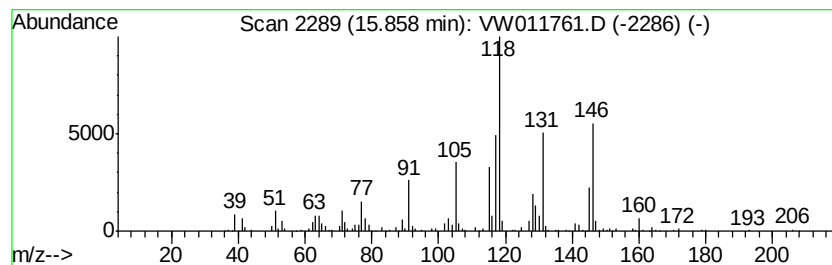
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, (1-ethyl-2-propenyl)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	11.88 ug/l	168809	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	64
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	64
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	64
4		1H-Tetrazole, 5-phenyl-	146	C7H6N4	018039-42-4	46
5		1(2H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000529-34-0	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080819\
Data File : VW011761.D
Acq On : 07 Aug 2019 19:30
Operator : SY/VA
Sample : K4092-05
Misc : 6.40G/5ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EO-01-080719-C

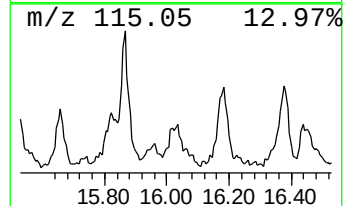
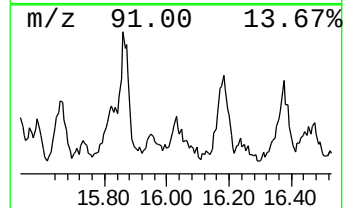
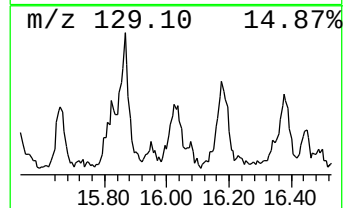
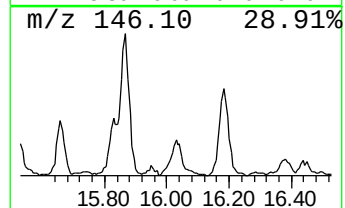
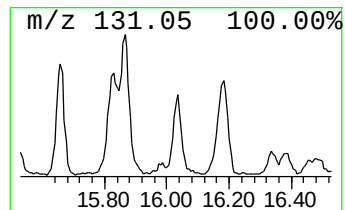
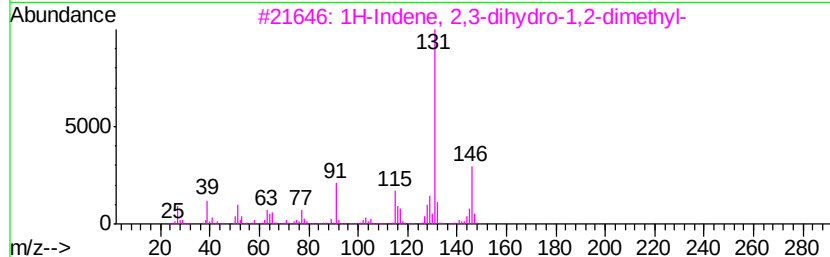
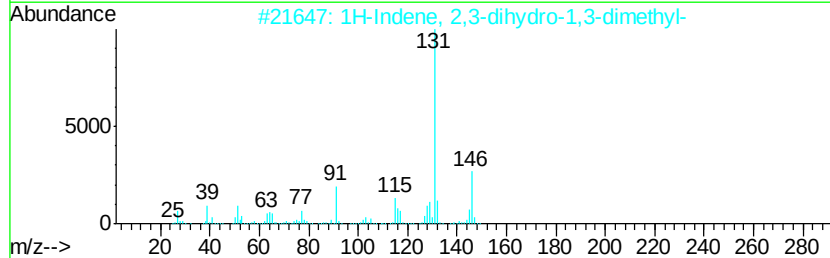
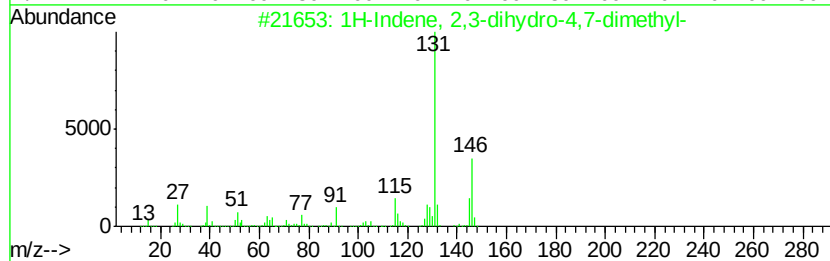
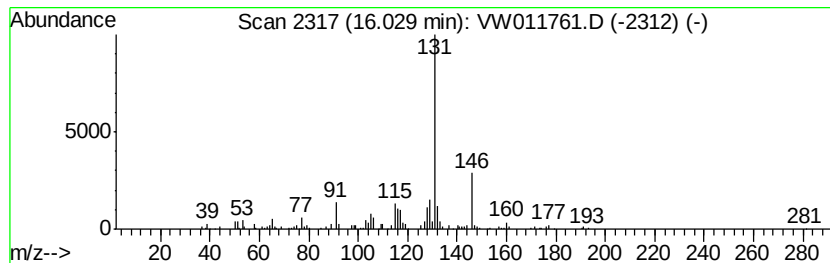
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Quant Title : SW846 8260

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

Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	7.18 ug/l	102055	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
3		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
5		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080819\
Data File : VW011761.D
Acq On : 07 Aug 2019 19:30
Operator : SY/VA
Sample : K4092-05
Misc : 6.40G/5ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

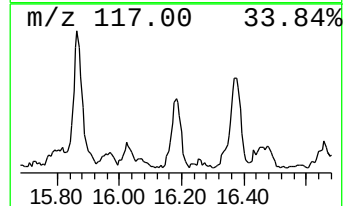
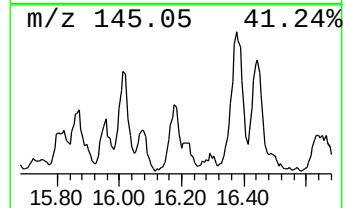
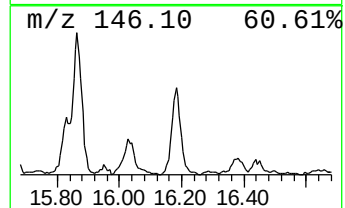
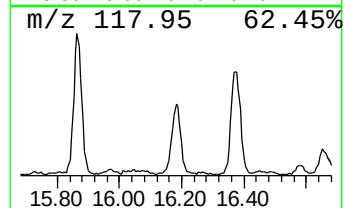
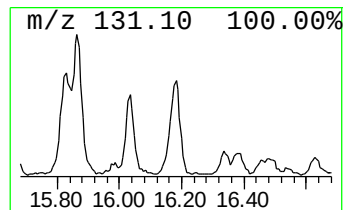
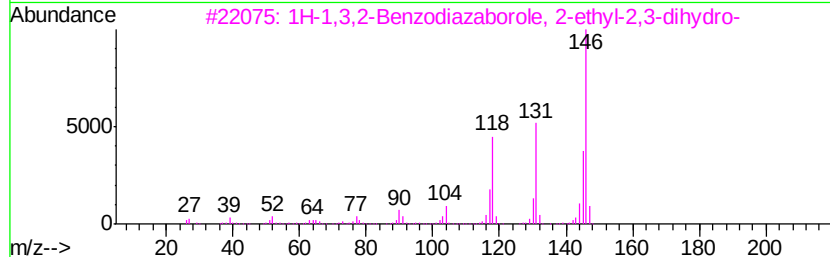
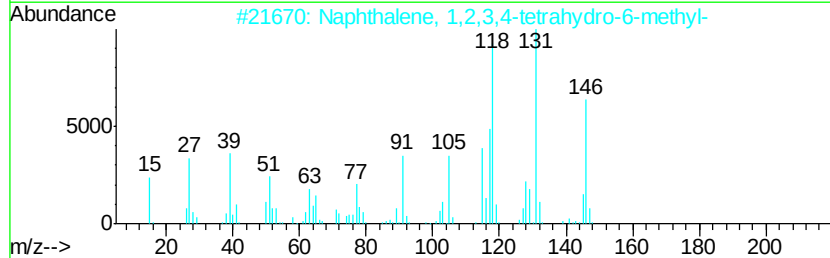
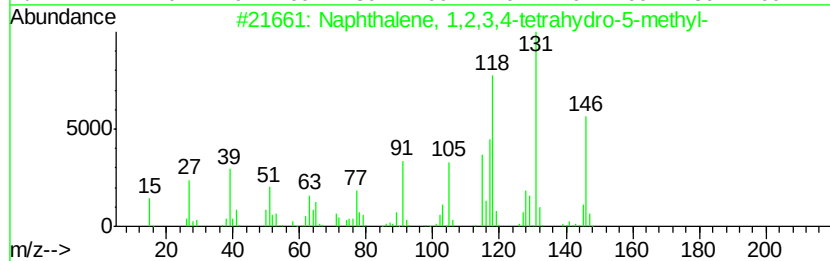
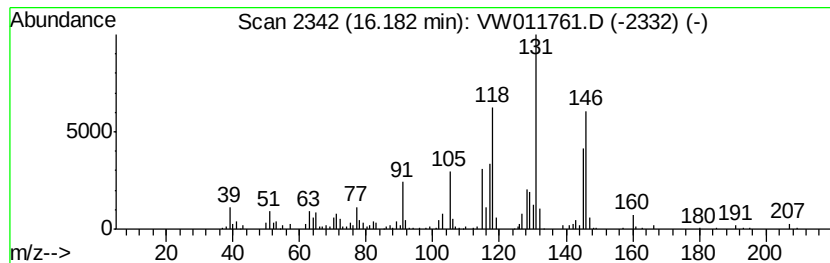
Instrument :
MSVOA_W
ClientSampleId :
EO-01-080719-C

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	10.66 ug/l	151510	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	002809-64-5 91
2		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001680-51-9 89
3		1H-1,3,2-Benzodiazaborole, 2-eth...	146 C8H11BN2	074663-81-3 76
4		1H-Benzimidazole, 5,6-dimethyl-	146 C9H10N2	000582-60-5 62
5		Benzene, (3-methyl-2-butenyl)-	146 C11H14	004489-84-3 53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080819\
Data File : VW011761.D
Acq On : 07 Aug 2019 19:30
Operator : SY/VA
Sample : K4092-05
Misc : 6.40G/5ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EO-01-080719-C

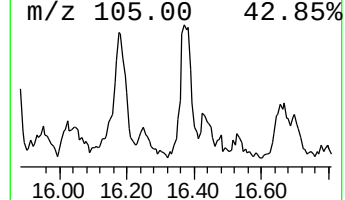
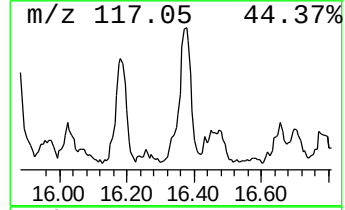
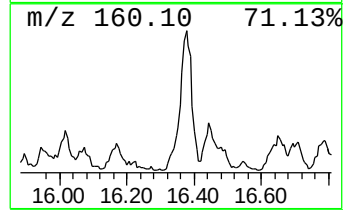
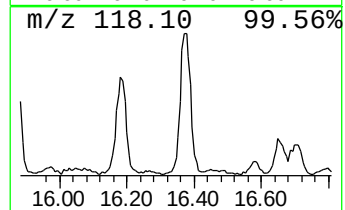
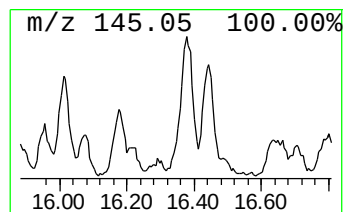
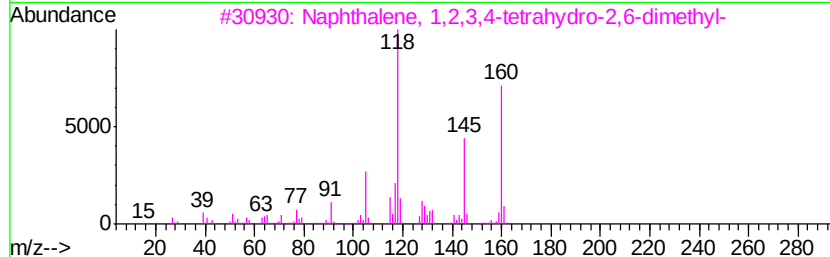
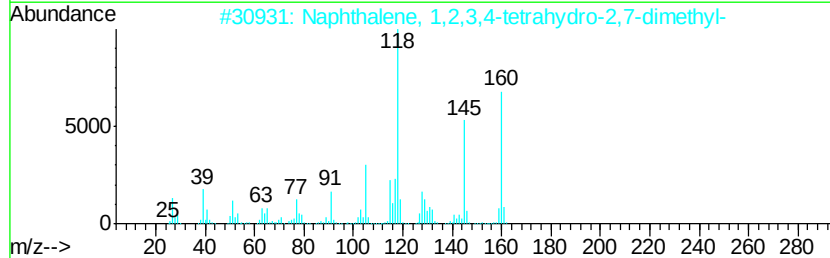
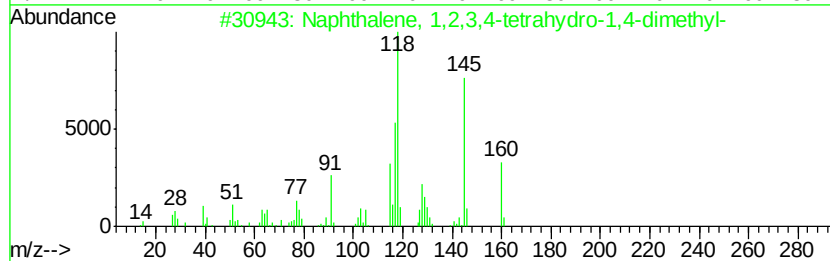
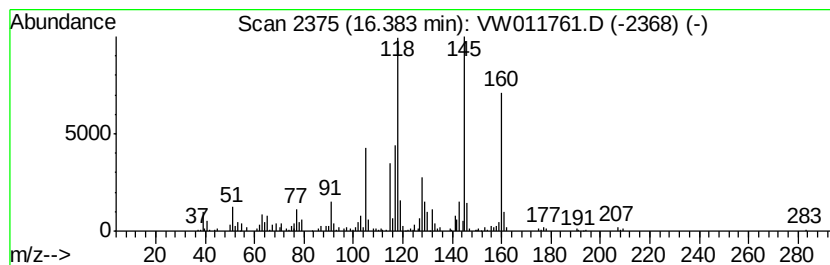
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	8.59 ug/l	122162	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	87
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	70
4		Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	64
5		Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	58



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080819\
Data File : VW011761.D
Acq On : 07 Aug 2019 19:30
Operator : SY/VA
Sample : K4092-05
Misc : 6.40G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EO-01-080719-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.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
Benzene, 1-ethyl-...	13.10	10.6	ug/l	150803	4	13.56	710769	50.0
Benzene, 2-ethyl-...	13.79	9.1	ug/l	128898	4	13.56	710769	50.0
Benzene, 4-ethyl-...	14.10	7.4	ug/l	105494	4	13.56	710769	50.0
2,4-Dimethylstyrene	14.80	18.6	ug/l	264721	4	13.56	710769	50.0
Naphthalene, 1,2,...	14.96	8.9	ug/l	126371	4	13.56	710769	50.0
Benzene, (3-methy...	15.18	8.5	ug/l	120933	4	13.56	710769	50.0
Benzene, (1-ethyl...	15.86	11.9	ug/l	168809	4	13.56	710769	50.0
1H-Indene, 2,3-di...	16.03	7.2	ug/l	102055	4	13.56	710769	50.0
Naphthalene, 1,2,...	16.18	10.7	ug/l	151510	4	13.56	710769	50.0
Naphthalene, 1,2,...	16.38	8.6	ug/l	122162	4	13.56	710769	50.0