

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122920\
 Data File : VD067965.D
 Acq On : 29 Dec 2020 12:59
 Operator : VA/SY
 Sample : L5223-01
 Misc : 2.64G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 31303

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M

Title : Sw846 8260

Signal : TIC: VD067965.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.179	365	384	439	rBV6	42560316	248223202	100.00%	21.039%
2	5.991	678	692	709	rBV	2187670	6841100	2.76%	0.580%
3	6.767	811	824	839	rBV2	1239719	4194009	1.69%	0.355%
4	6.926	839	851	860	rBV	2103789	6448903	2.60%	0.547%
5	7.026	860	868	879	rVB	1270927	3658445	1.47%	0.310%
6	7.738	968	989	1000	rBV	3144881	9250671	3.73%	0.784%
7	7.967	1011	1028	1038	rBV2	31198186	87349157	35.19%	7.403%
8	8.073	1038	1046	1056	rVV	13257293	33777729	13.61%	2.863%
9	8.197	1056	1067	1085	rVV	37746712	102210654	41.18%	8.663%
10	8.355	1085	1094	1102	rVV	5727510	12958630	5.22%	1.098%
11	8.461	1102	1112	1116	rVV3	7657973	20162915	8.12%	1.709%
12	8.520	1116	1122	1131	rVV	9286614	27732558	11.17%	2.351%
13	8.602	1131	1136	1147	rVB	4191242	9593253	3.86%	0.813%
14	8.732	1147	1158	1173	rBV	43640094	101758810	40.99%	8.625%
15	9.179	1226	1234	1246	rVB	1434664	3214073	1.29%	0.272%
16	9.361	1249	1265	1271	rBV	17236964	46210779	18.62%	3.917%
17	9.414	1271	1274	1282	rVB	3861472	6782311	2.73%	0.575%
18	9.544	1289	1296	1302	rVV	3547089	6946933	2.80%	0.589%
19	9.632	1302	1311	1319	rVB2	1162380	3734786	1.50%	0.317%
20	9.785	1328	1337	1347	rVB2	4783203	10499467	4.23%	0.890%
21	9.920	1347	1360	1366	rBV2	5047328	12640163	5.09%	1.071%
22	9.985	1366	1371	1385	rVB2	2887766	8987172	3.62%	0.762%
23	10.126	1385	1395	1408	rBV2	2522904	8680140	3.50%	0.736%
24	10.408	1425	1443	1445	rBV3	71758425	133228663	53.67%	11.292%
25	10.538	1463	1465	1477	rVB3	2773414	4548667	1.83%	0.386%
26	11.743	1664	1670	1679	rVV	4954113	9016164	3.63%	0.764%
27	11.855	1679	1689	1699	rVV2	12659804	27147269	10.94%	2.301%
28	12.179	1732	1744	1752	rBV	5562547	11929539	4.81%	1.011%
29	12.820	1845	1853	1858	rBV	2628508	5193847	2.09%	0.440%
30	12.885	1858	1864	1867	rVV	7631310	13283649	5.35%	1.126%
31	12.914	1867	1869	1872	rVV	3881741	5982425	2.41%	0.507%
32	12.955	1872	1876	1882	rVV3	7572438	14277001	5.75%	1.210%
33	13.120	1897	1904	1911	rBV	3857177	6614703	2.66%	0.561%
34	13.267	1922	1929	1935	rBV	14005414	22633454	9.12%	1.918%
35	13.461	1956	1962	1967	rVV2	2942686	5189526	2.09%	0.440%
36	13.602	1977	1986	1991	rVV	5644561	10205025	4.11%	0.865%
37	13.767	2010	2014	2018	rVV2	6188971	11113713	4.48%	0.942%

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Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

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38	13.808	2018	2021	2031	rVV3	4790180	10711618	4.32%	0.908%
39	13.896	2031	2036	2041	rVV3	4131242	6710214	2.70%	0.569%
40	13.967	2043	2048	2054	rVV	2542925	4308295	1.74%	0.365%
41	14.032	2054	2059	2061	rVV	2915772	4774458	1.92%	0.405%
42	14.061	2061	2064	2068	rVV	3335156	4939192	1.99%	0.419%
43	14.114	2068	2073	2079	rVV	4668773	7062670	2.85%	0.599%
44	14.226	2087	2092	2097	rVV	4389443	7179977	2.89%	0.609%
45	14.355	2109	2114	2118	rVV2	1949238	3376469	1.36%	0.286%
46	14.408	2118	2123	2125	rVV2	1682267	2944908	1.19%	0.250%
47	14.437	2125	2128	2131	rVV	2807209	4309299	1.74%	0.365%
48	14.479	2131	2135	2139	rVV	4308502	6437165	2.59%	0.546%
49	14.661	2162	2166	2170	rVV2	1627302	2490559	1.00%	0.211%
50	14.708	2170	2174	2179	rVV3	3256194	6450155	2.60%	0.547%
51	14.749	2179	2181	2187	rVB2	2198170	3015903	1.21%	0.256%
52	14.826	2187	2194	2200	rBV4	5969795	14932971	6.02%	1.266%
53	14.984	2215	2221	2228	rVB	4086623	6780225	2.73%	0.575%
54	15.208	2251	2259	2266	rVB3	1779608	4365079	1.76%	0.370%
55	15.396	2279	2291	2296	rBV	1801739	4013552	1.62%	0.340%
56	15.455	2296	2301	2306	rBV	1643606	2710115	1.09%	0.230%
57	15.902	2361	2377	2386	rVB	2786690	7024313	2.83%	0.595%
58	16.226	2423	2432	2449	rVB	1343825	3090434	1.25%	0.262%

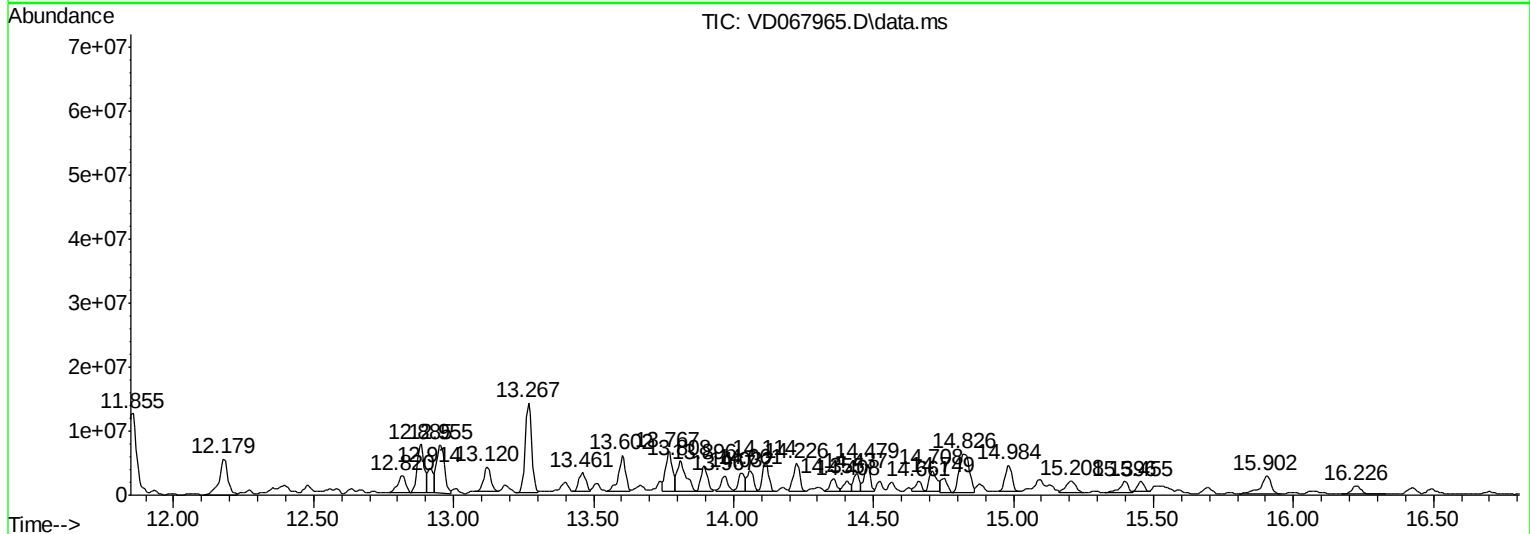
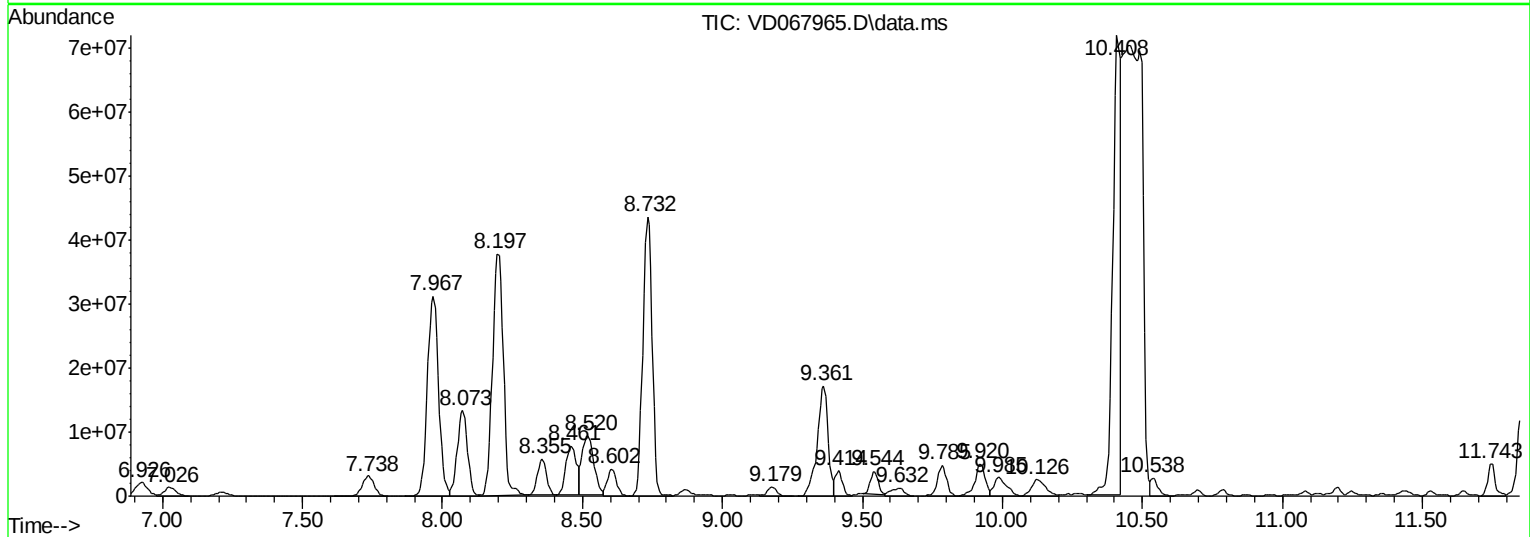
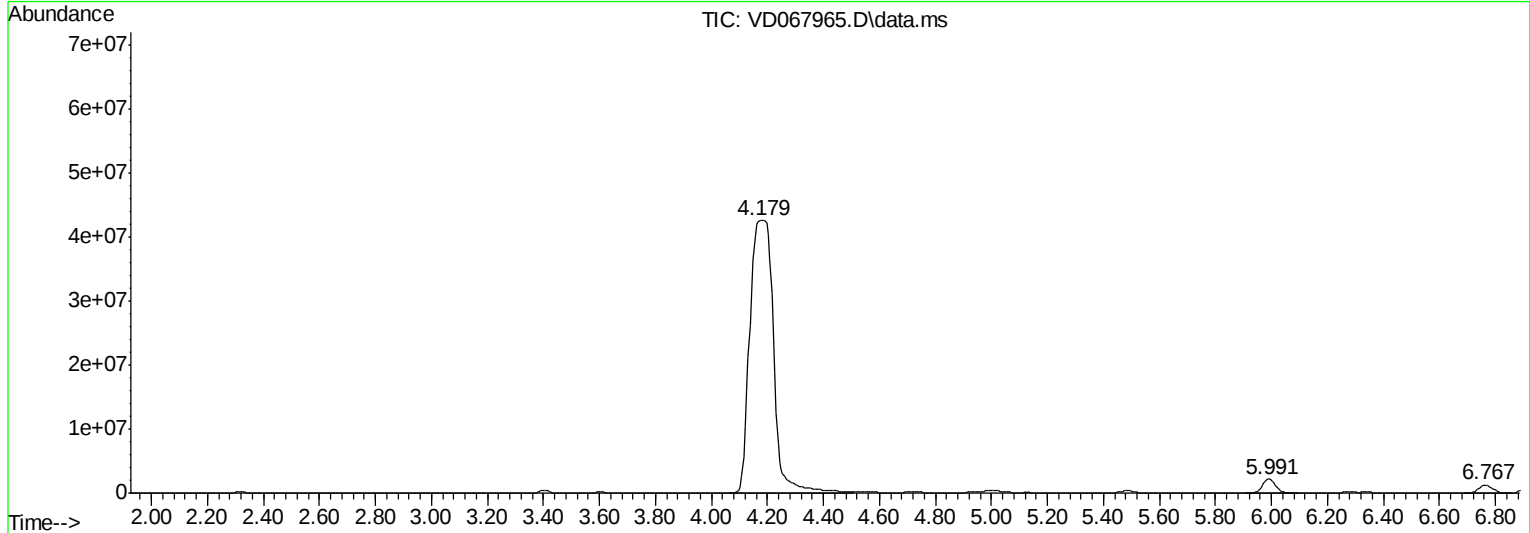
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260

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



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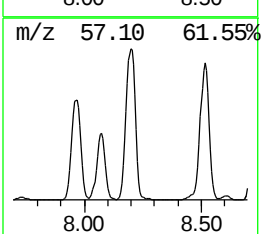
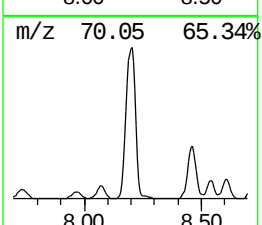
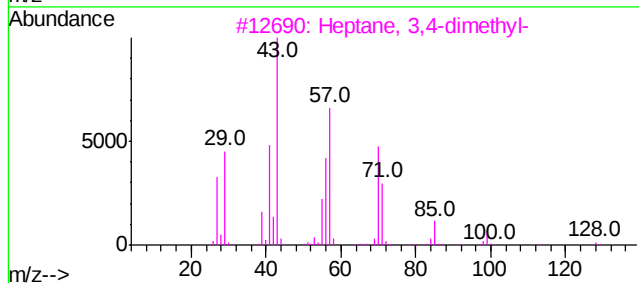
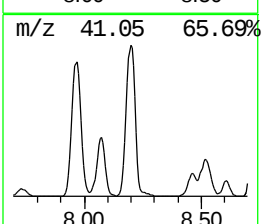
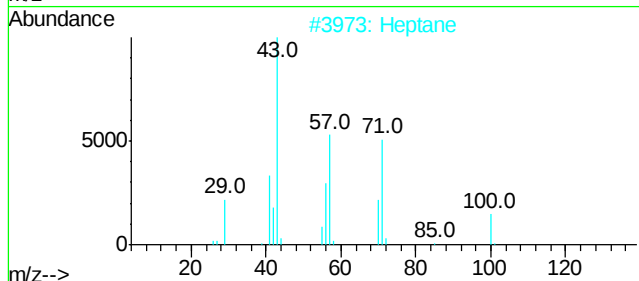
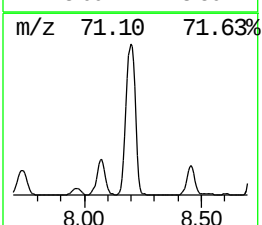
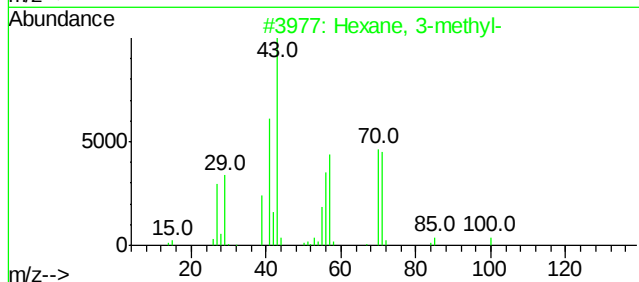
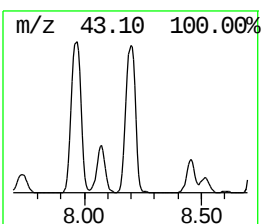
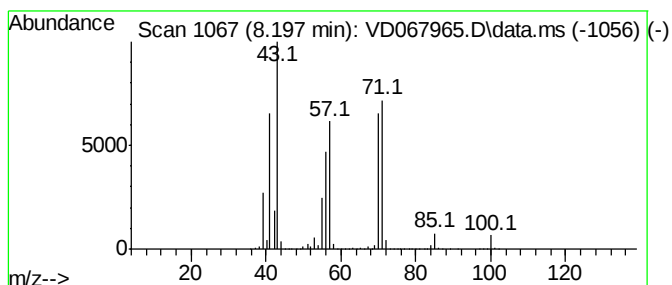
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.197	58.51 ug/l	102211000	Pentafluorobenzene	7.991

Hit# of 5	Tentative ID	Mw	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Heptane	100	C7H16	000142-82-5	80
3	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	72
4	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	53
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	53



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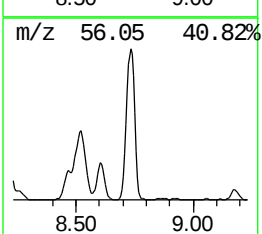
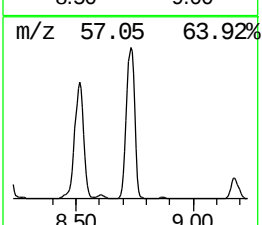
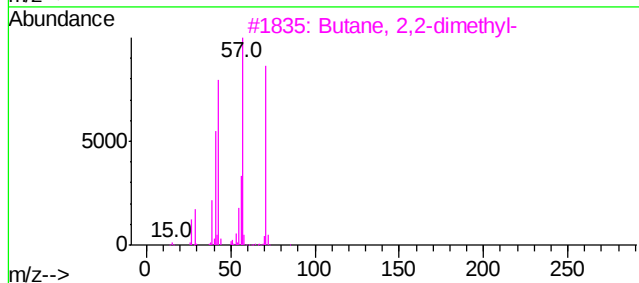
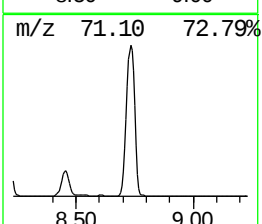
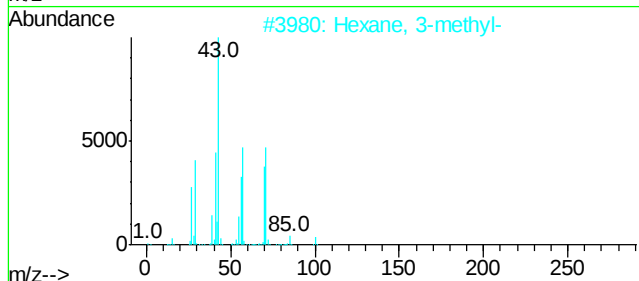
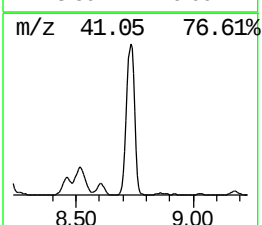
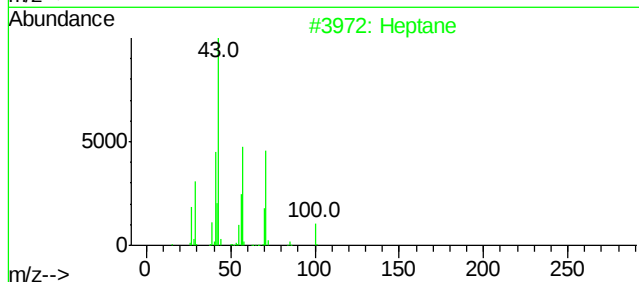
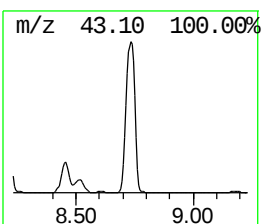
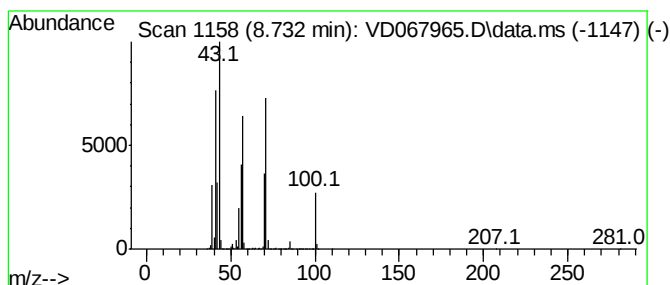
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260

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

Peak Number 3 Heptane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.732	50.00 ug/l	101759000	1,4-Difluorobenzene	8.873

Hit# of 5	Tentative ID	Mw	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	83
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	59
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	47
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	43
5	3-Hexanone	100	C6H12O	000589-38-8	43



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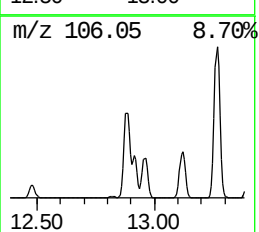
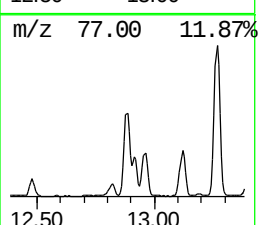
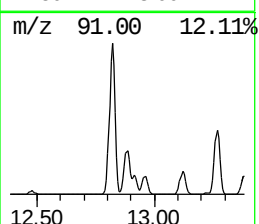
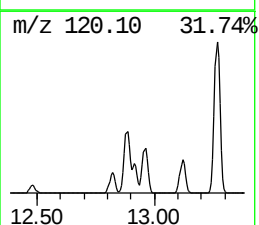
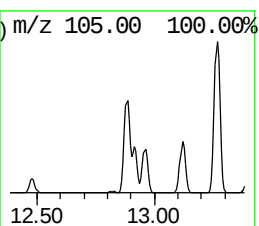
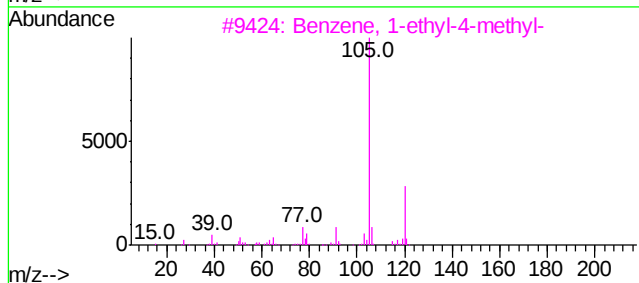
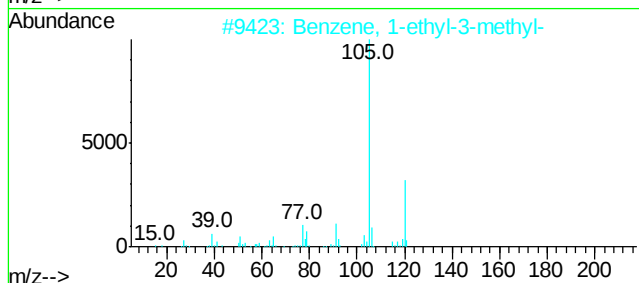
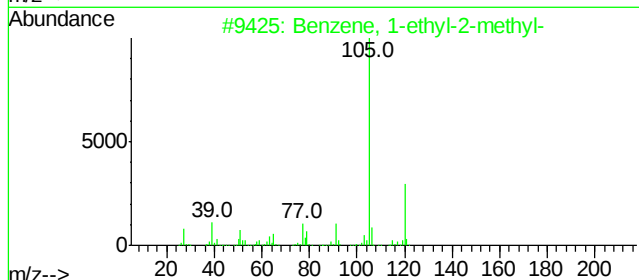
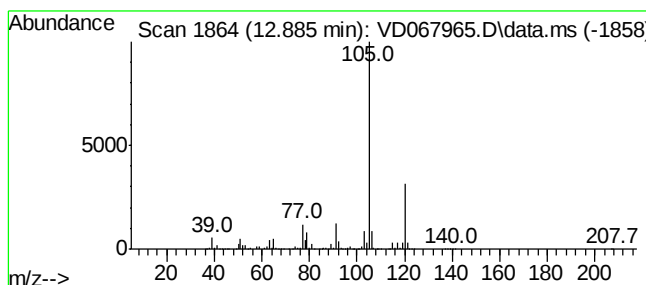
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.885	65.08 ug/l	13283600	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	Mw	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90



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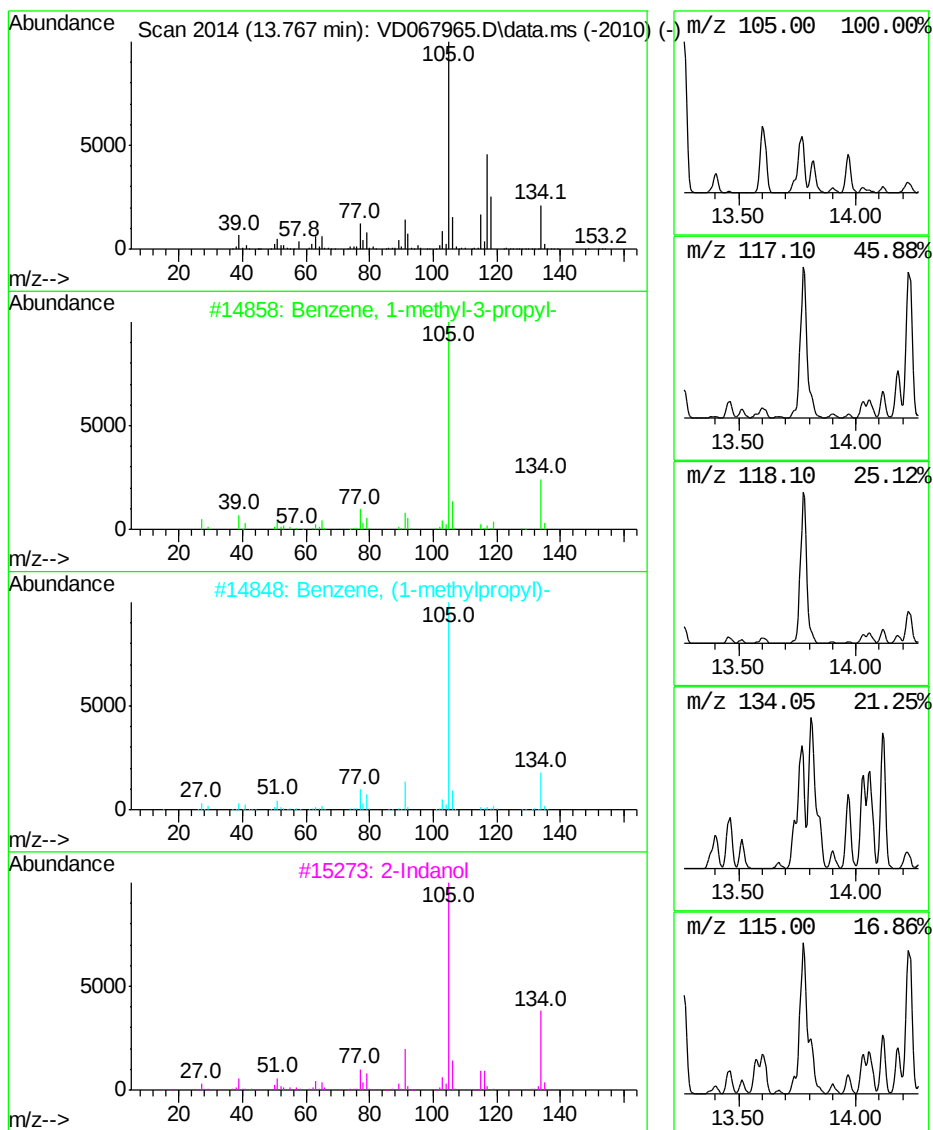
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 1-methyl-3-propyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.767	54.45 ug/l	11113700	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	Mw	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	50
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	46
3	2-Indanol	134	C9H10O	004254-29-9	43
4	2-Tolyloxirane	134	C9H10O	002783-26-8	41
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	38



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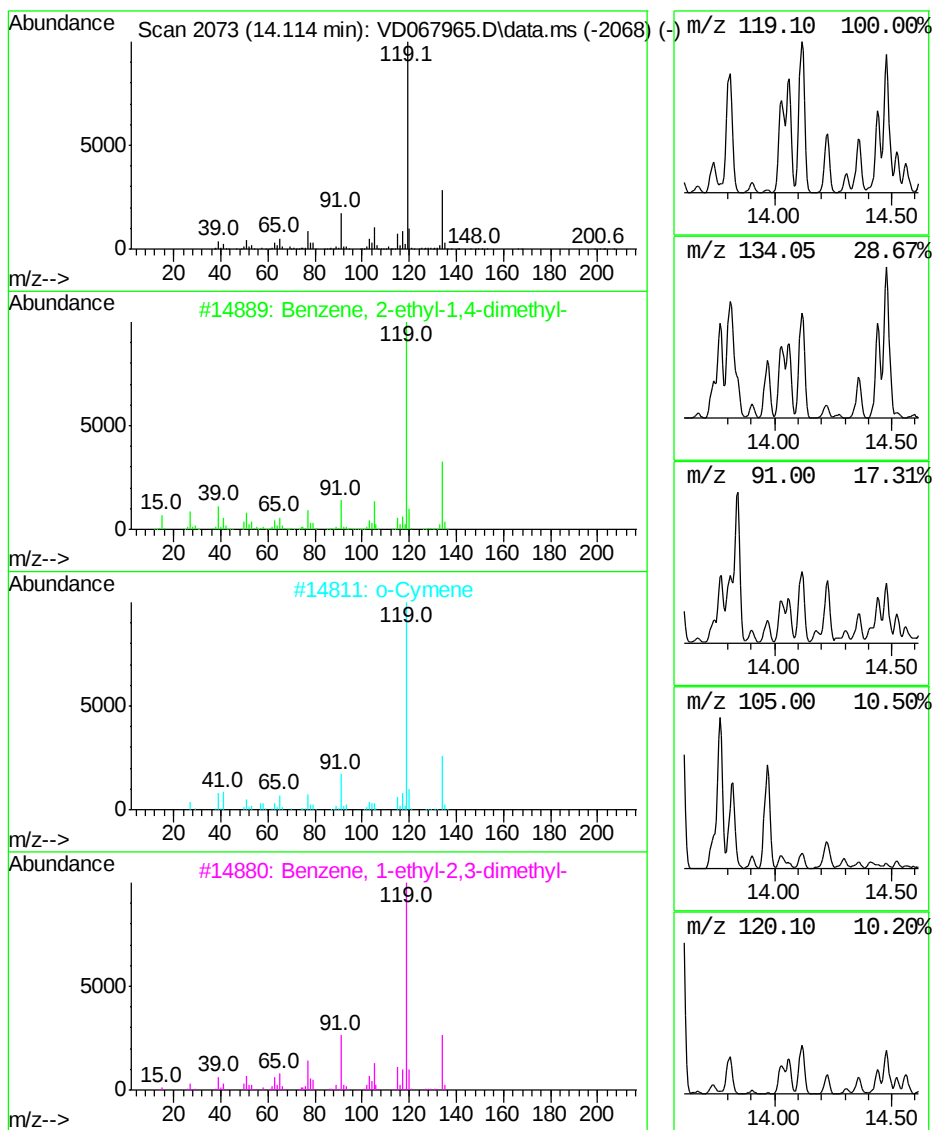
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260

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

Peak Number 6 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.114	34.60 ug/l	7062670	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	Mw	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



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31303

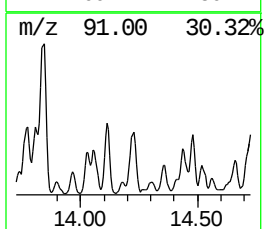
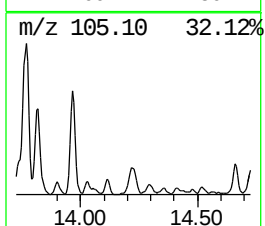
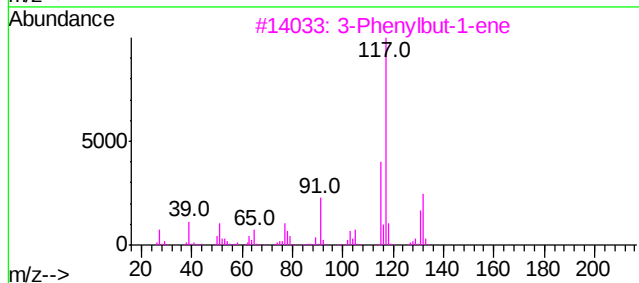
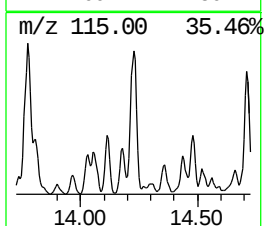
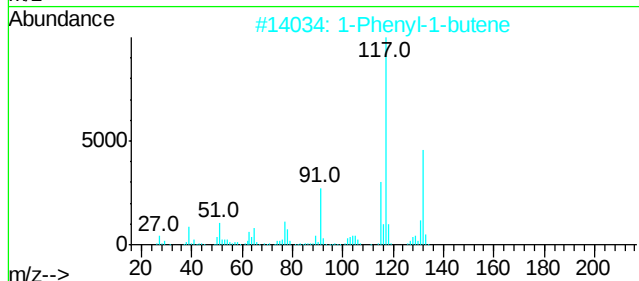
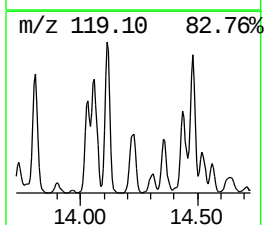
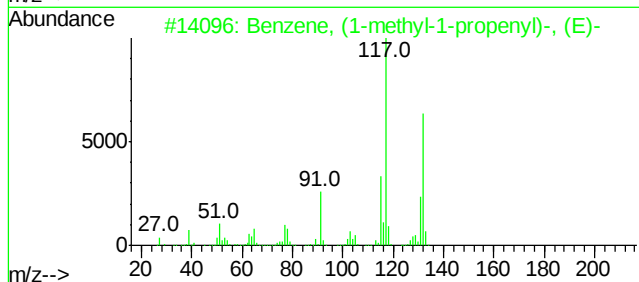
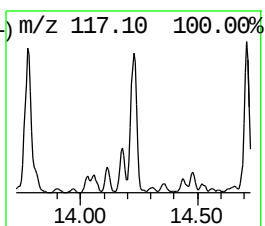
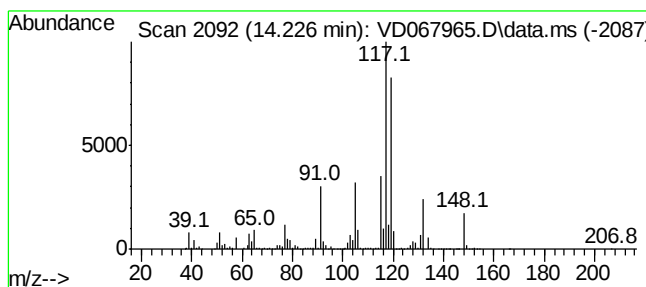
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, (1-methyl-1-propen... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.226	35.18 ug/l	7179980	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	Mw	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	64
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	64
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	55
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122920\
Data File : VD067965.D
Acq On : 29 Dec 2020 12:59
Operator : VA/SY
Sample : L5223-01
Misc : 2.64G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
31303

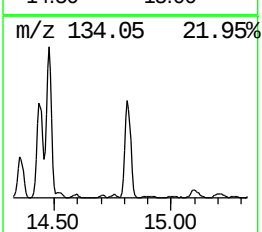
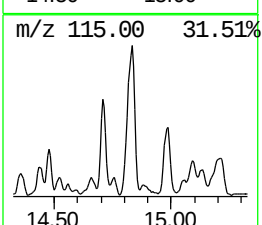
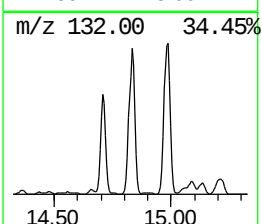
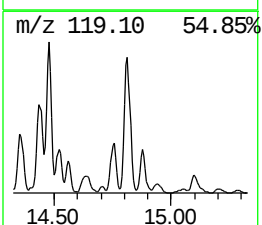
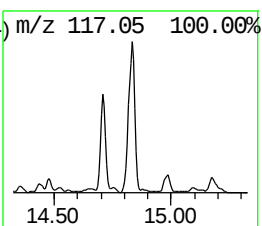
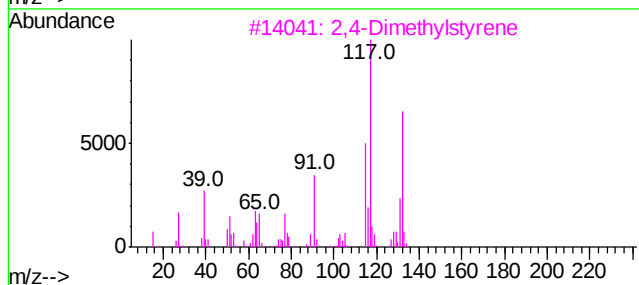
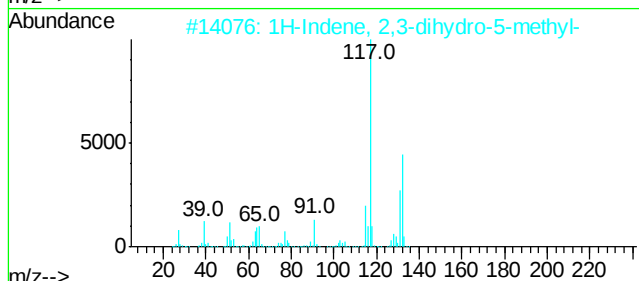
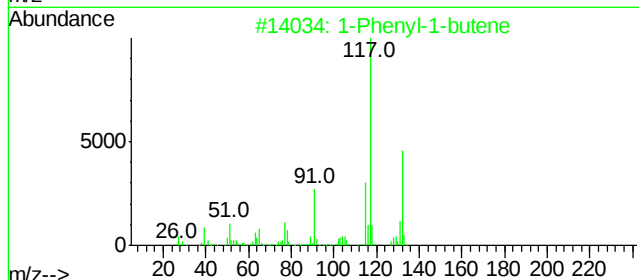
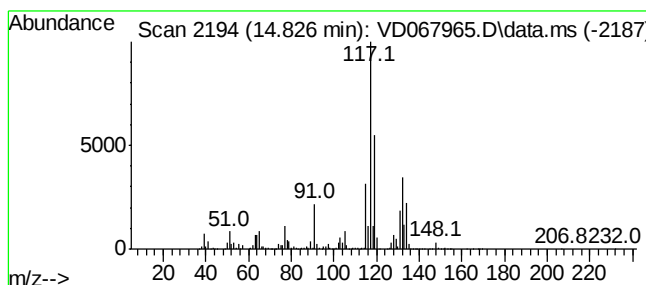
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Quant Title : SW846 8260

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

Peak Number 8 1-Phenyl-1-butene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.826	73.16 ug/l	14933000	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	Mw	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	90
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122920\
Data File : VD067965.D
Acq On : 29 Dec 2020 12:59
Operator : VA/SY
Sample : L5223-01
Misc : 2.64G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
31303

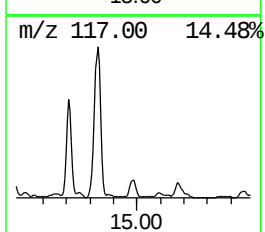
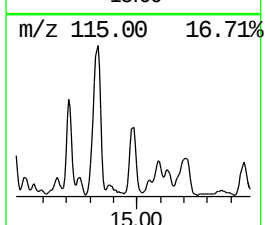
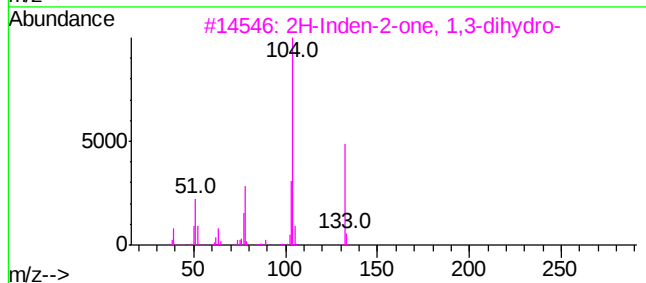
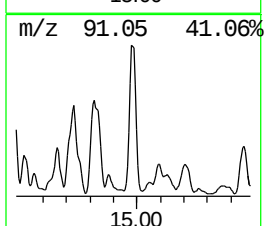
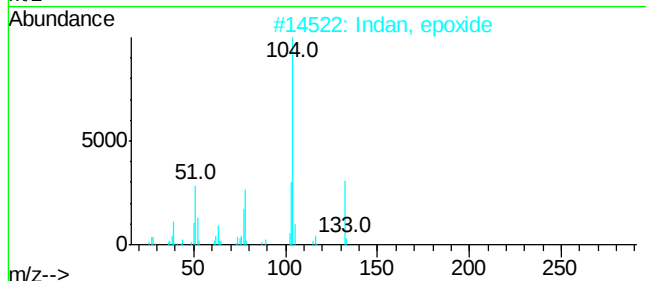
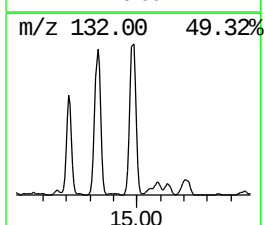
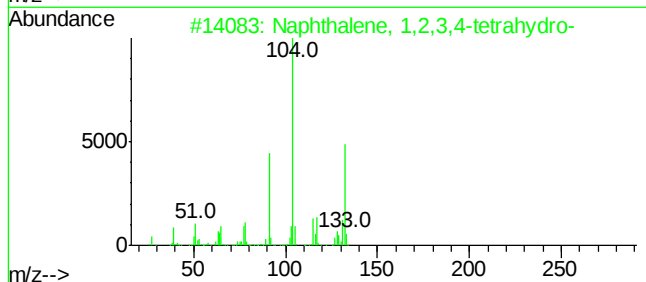
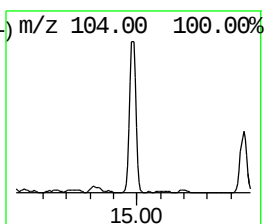
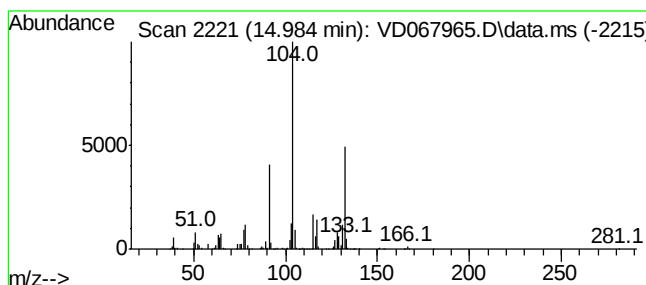
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.985	33.22 ug/l	6780230	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	Mw	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	97
2	Indan, epoxide	132	C9H8O	000768-22-9	58
3	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	53
4	Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	47
5	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122920\
Data File : VD067965.D
Acq On : 29 Dec 2020 12:59
Operator : VA/SY
Sample : L5223-01
Misc : 2.64G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
31303

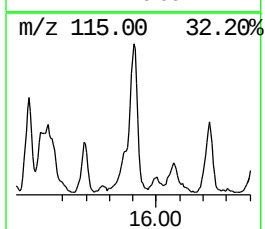
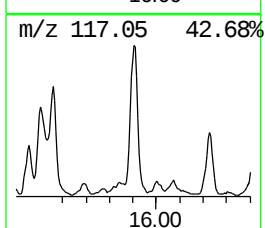
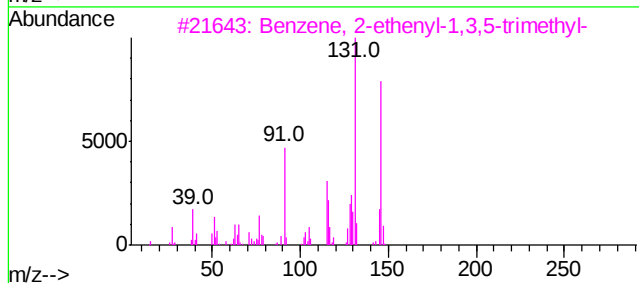
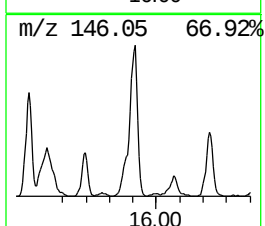
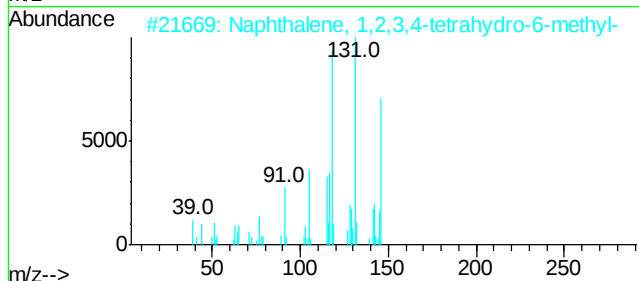
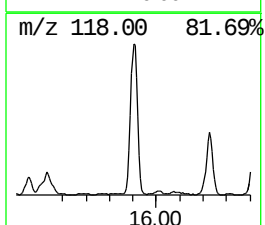
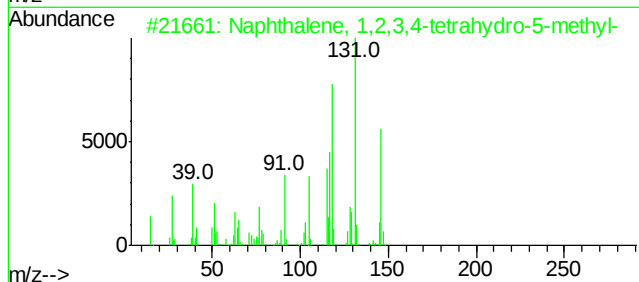
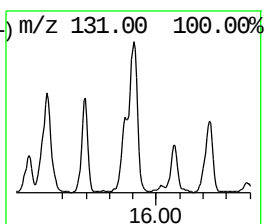
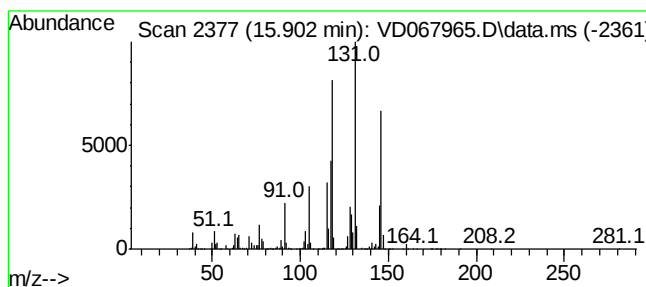
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.902	34.42 ug/l	7024310	1,4-Dichlorobenzene-d4	13.573

Hit# of	5	Tentative ID	Mw	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95	
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	94	
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	78	
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70	
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	55	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122920\
Data File : VD067965.D
Acq On : 29 Dec 2020 12:59
Operator : VA/SY
Sample : L5223-01
Misc : 2.64G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
31303

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.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
Hexane, 3-methyl-	8.197	58.5	ug/l	102211000	1	7.991	87349200	50.0
Heptane	8.732	50.0	ug/l	101759000	2	8.873	101759000	50.0
Benzene, 1-ethy...	12.885	65.1	ug/l	13283600	4	13.573	10205000	50.0
Benzene, 1-meth...	13.767	54.5	ug/l	11113700	4	13.573	10205000	50.0
Benzene, 2-ethy...	14.114	34.6	ug/l	7062670	4	13.573	10205000	50.0
Benzene, (1-met...	14.226	35.2	ug/l	7179980	4	13.573	10205000	50.0
1-Phenyl-1-butene	14.826	73.2	ug/l	14933000	4	13.573	10205000	50.0
Naphthalene, 1,...	14.985	33.2	ug/l	6780230	4	13.573	10205000	50.0
Naphthalene, 1,...	15.902	34.4	ug/l	7024310	4	13.573	10205000	50.0