

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
 Data File : VD068794.D
 Acq On : 08 Apr 2021 17:32
 Operator : VA/SY
 Sample : M1979-21
 Misc : 5.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-21

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\82D040721S.M
 Title : SW846 8260

Signal : TIC: VD068794.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.968	508	518	532	rVB2	34454	106249	4.10%	0.375%
2	6.003	683	694	703	rBV5	10282	29818	1.15%	0.105%
3	7.920	1009	1020	1025	rBV	334538	798495	30.78%	2.821%
4	7.979	1025	1030	1041	rVB	515941	1171469	45.16%	4.139%
5	8.332	1078	1090	1102	rBV	253552	552172	21.29%	1.951%
6	8.514	1113	1121	1132	rVB3	18396	49177	1.90%	0.174%
7	8.867	1171	1181	1191	rBV	832077	1660797	64.03%	5.867%
8	9.779	1328	1336	1346	rVB3	35882	77225	2.98%	0.273%
9	9.914	1352	1359	1365	rVB2	37684	79177	3.05%	0.280%
10	10.103	1384	1391	1397	rBV6	16365	41582	1.60%	0.147%
11	10.267	1415	1419	1424	rVB	24941	36997	1.43%	0.131%
12	10.338	1424	1431	1447	rVB	1418584	2593808	100.00%	9.163%
13	10.508	1455	1460	1470	rVB6	38413	98645	3.80%	0.348%
14	10.679	1484	1489	1493	rBV2	50362	92506	3.57%	0.327%
15	10.726	1493	1497	1500	rVV2	54016	91910	3.54%	0.325%
16	10.773	1500	1505	1511	rVB4	57447	129304	4.99%	0.457%
17	11.038	1541	1550	1552	rBV4	16107	42425	1.64%	0.150%
18	11.120	1560	1564	1566	rBV4	27219	36667	1.41%	0.130%
19	11.155	1567	1570	1574	rVV2	36995	49301	1.90%	0.174%
20	11.244	1580	1585	1591	rVB	169022	284231	10.96%	1.004%
21	11.302	1591	1595	1599	rVB2	49497	68378	2.64%	0.242%
22	11.350	1599	1603	1608	rVB5	28929	53963	2.08%	0.191%
23	11.455	1612	1621	1630	rVB6	75525	225212	8.68%	0.796%
24	11.555	1630	1638	1643	rBV8	27042	69935	2.70%	0.247%
25	11.644	1645	1653	1663	rBV	1384824	2438142	94.00%	8.613%
26	11.779	1672	1676	1680	rVB	100882	155679	6.00%	0.550%
27	11.832	1680	1685	1689	rBV3	62038	104456	4.03%	0.369%
28	11.902	1689	1697	1706	rVB7	120944	384501	14.82%	1.358%
29	11.991	1706	1712	1715	rBV4	35977	66239	2.55%	0.234%
30	12.049	1716	1722	1730	rBV	116173	203588	7.85%	0.719%
31	12.149	1732	1739	1745	rBV5	161246	387250	14.93%	1.368%
32	12.208	1745	1749	1753	rBV	106753	196429	7.57%	0.694%
33	12.349	1764	1773	1783	rBV7	131612	496496	19.14%	1.754%
34	12.455	1783	1791	1796	rBV7	143277	339992	13.11%	1.201%
35	12.538	1802	1805	1808	rBV3	35977	48966	1.89%	0.173%
36	12.579	1808	1812	1814	rVV	79523	125355	4.83%	0.443%

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37	12.632	1814	1821	1827	rVV2	1192780	2155852	83.12%	7.616%
38	12.720	1827	1836	1841	rVV8	145461	357747	13.79%	1.264%
39	12.791	1841	1848	1855	rVB4	286764	656912	25.33%	2.321%
40	12.896	1856	1866	1871	rBV8	119100	366076	14.11%	1.293%
41	12.961	1871	1877	1884	rBV7	144957	380275	14.66%	1.343%
42	13.091	1896	1899	1904	rVB4	83789	138785	5.35%	0.490%
43	13.214	1915	1920	1925	rVB5	174061	328950	12.68%	1.162%
44	13.279	1926	1931	1934	rBV3	96617	190125	7.33%	0.672%
45	13.314	1934	1937	1940	rVB3	37870	65025	2.51%	0.230%
46	13.432	1947	1957	1966	rVB10	129526	491818	18.96%	1.737%
47	13.573	1974	1981	1987	rBV	1316472	2252918	86.86%	7.959%
48	13.732	2004	2008	2012	rBV	182420	246080	9.49%	0.869%
49	13.896	2030	2036	2048	rVB4	349301	707353	27.27%	2.499%
50	14.002	2049	2054	2055	rBV4	49606	70743	2.73%	0.250%
51	14.114	2067	2073	2078	rBV	536773	849991	32.77%	3.003%
52	14.173	2079	2083	2086	rVV2	101663	145208	5.60%	0.513%
53	14.226	2086	2092	2096	rVV2	339771	545311	21.02%	1.926%
54	14.273	2096	2100	2108	rVB3	277183	534990	20.63%	1.890%
55	14.361	2109	2115	2118	rBV	86178	147238	5.68%	0.520%
56	14.432	2118	2127	2136	rVB	776202	1515603	58.43%	5.354%
57	14.561	2137	2149	2154	rBV4	260206	873779	33.69%	3.087%
58	14.661	2163	2166	2170	rVB	72900	99824	3.85%	0.353%
59	14.714	2170	2175	2179	rBV3	100975	185192	7.14%	0.654%
60	14.755	2179	2182	2187	rVB4	58231	95314	3.67%	0.337%
61	14.826	2187	2194	2199	rBV2	215024	418690	16.14%	1.479%
62	15.026	2222	2228	2233	rBV2	100488	200814	7.74%	0.709%
63	15.090	2234	2239	2243	rVV4	143208	270999	10.45%	0.957%
64	15.149	2243	2249	2252	rVV3	60198	155775	6.01%	0.550%
65	15.202	2252	2258	2267	rVB4	109710	287670	11.09%	1.016%
66	15.361	2280	2285	2292	rVB7	40597	80474	3.10%	0.284%
67	15.438	2293	2298	2303	rBV7	31926	73633	2.84%	0.260%
68	15.690	2336	2341	2348	rVB8	15689	30588	1.18%	0.108%

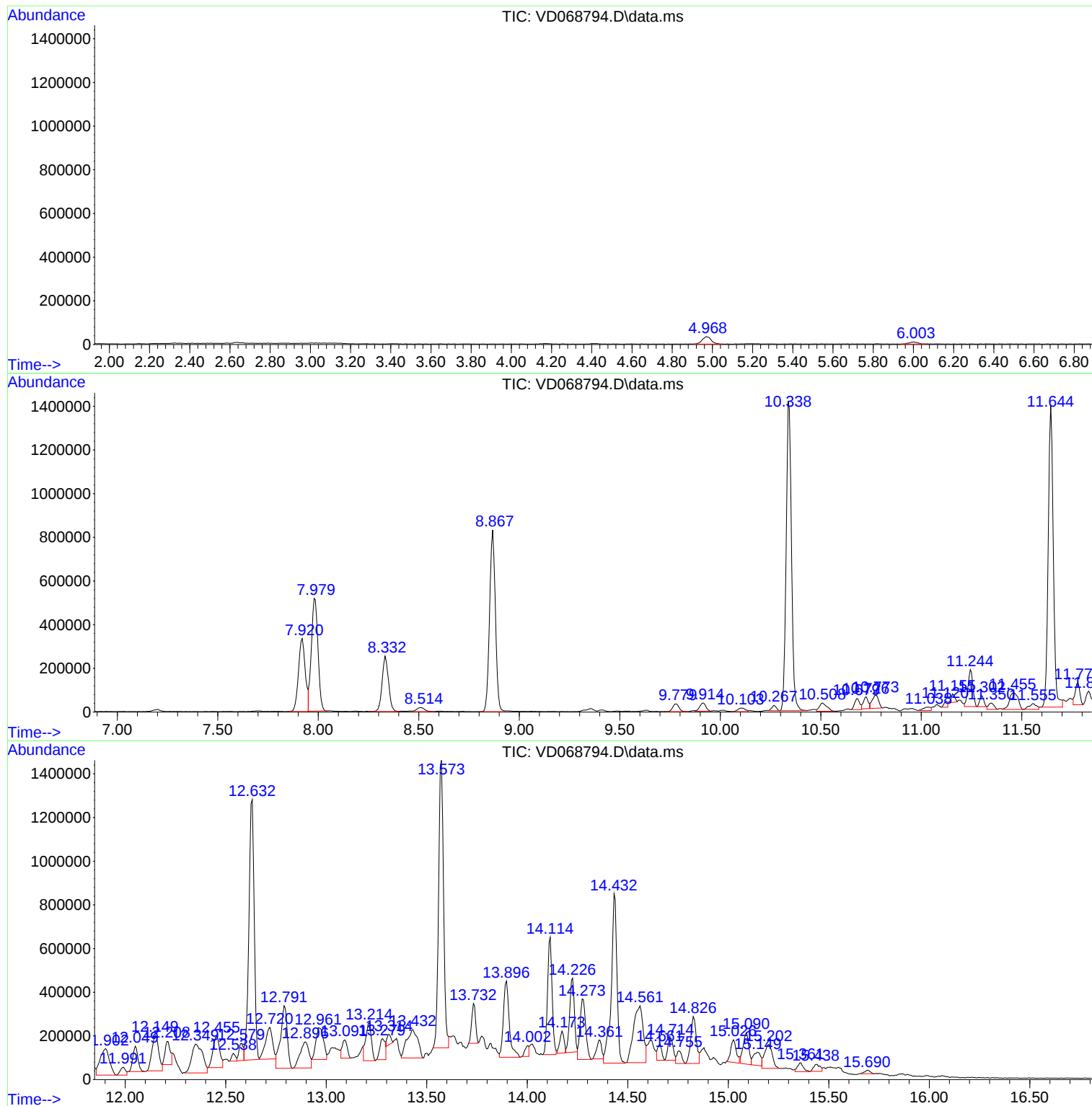
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

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



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ClientSampleId :
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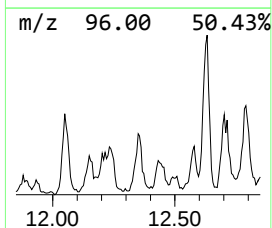
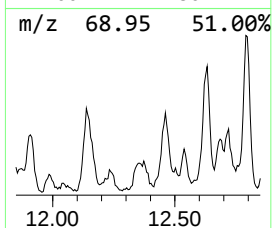
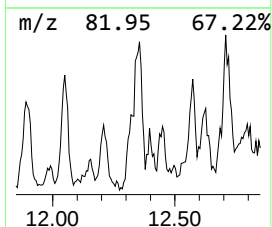
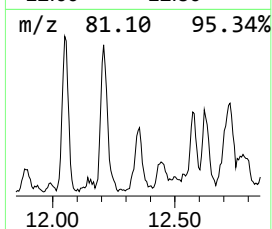
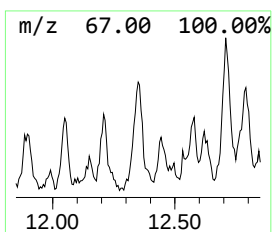
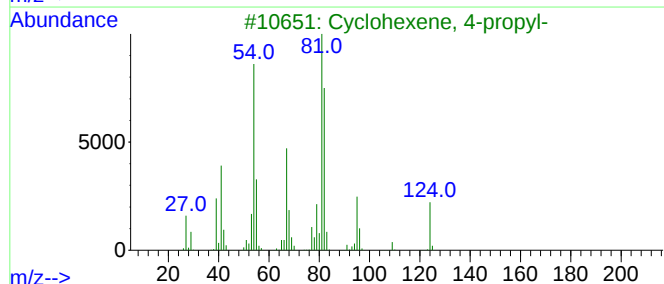
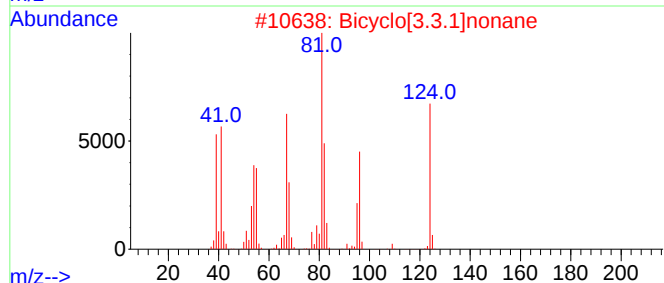
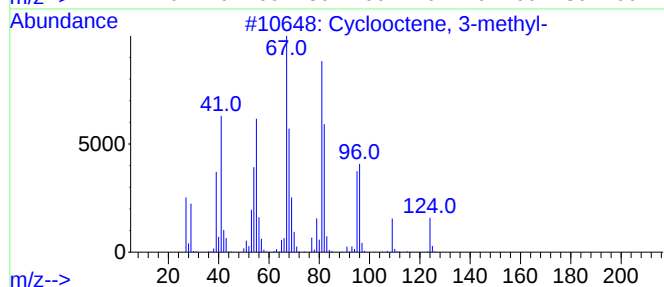
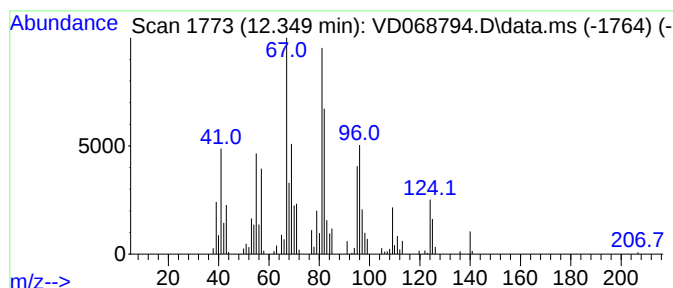
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclooctene, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.350	10.18 ug/l	496496	Chlorobenzene-d5	11.644

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	87
2			Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	58
3			Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	53
4			Propylidencyclohexane	124	C9H16	002129-93-3	53
5			Cyclohexene,1-propyl-	124	C9H16	002539-75-5	47



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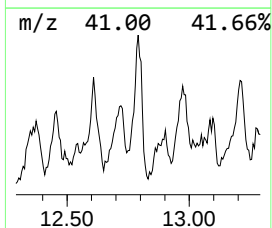
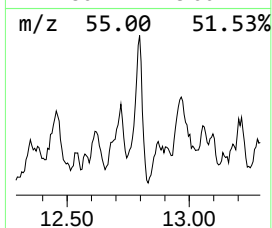
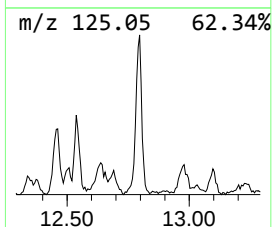
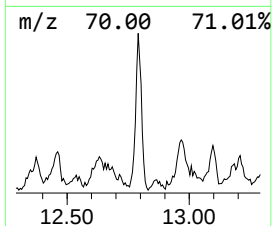
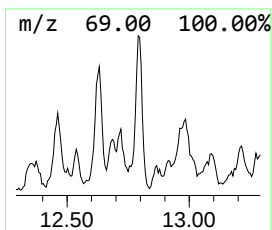
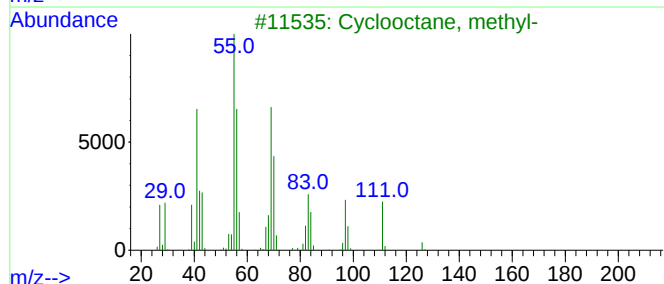
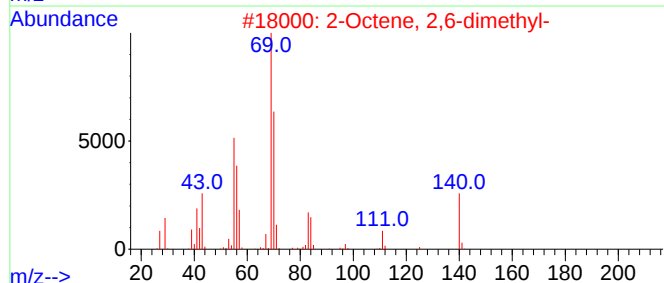
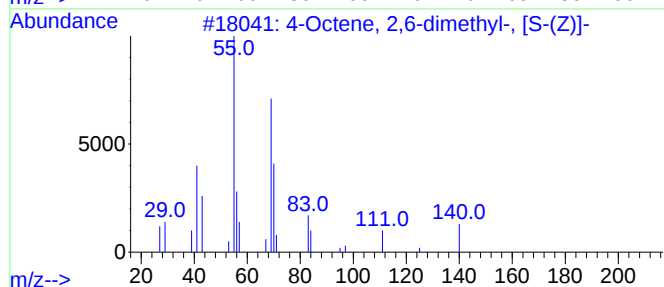
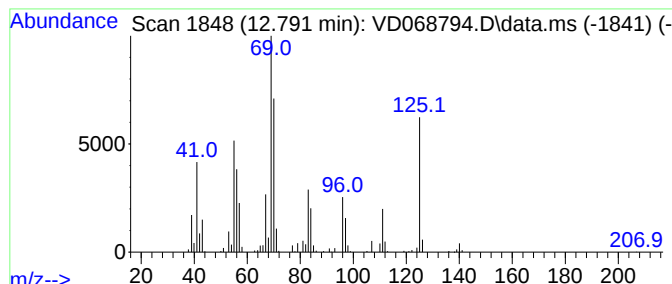
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

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

Peak Number 2 4-Octene, 2,6-dimethyl-, [S... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.791	14.58 ug/l	656912	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	50
2			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	47
3			Cyclooctane, methyl-	126	C9H18	001502-38-1	43
4			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	42
5			3-Ethyl-3-octene	140	C10H20	019781-31-8	38



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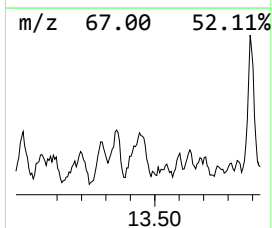
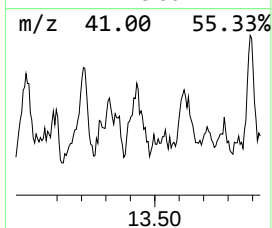
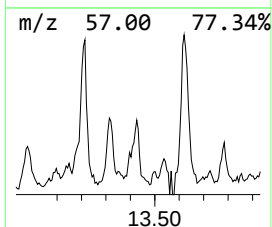
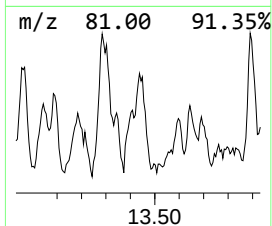
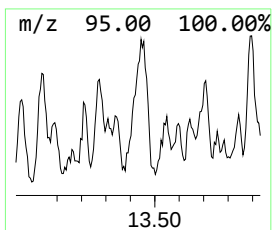
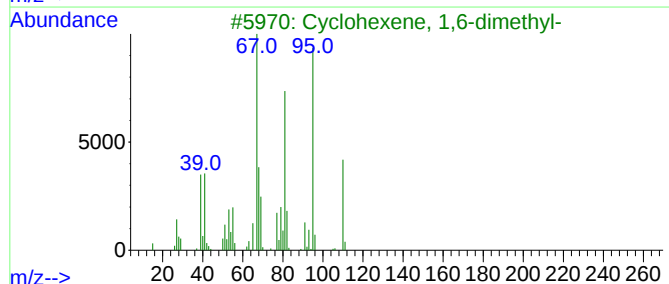
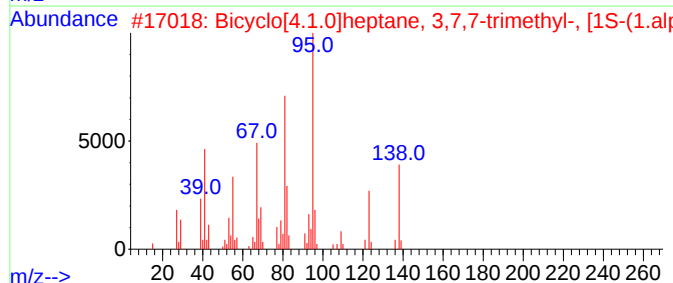
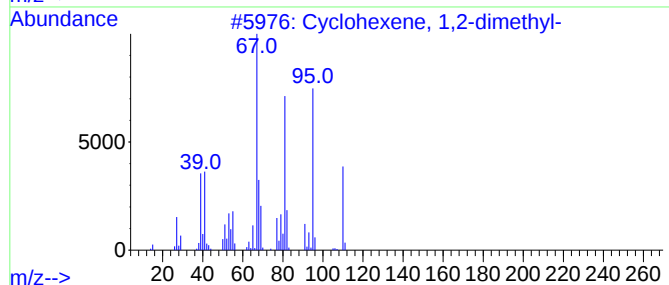
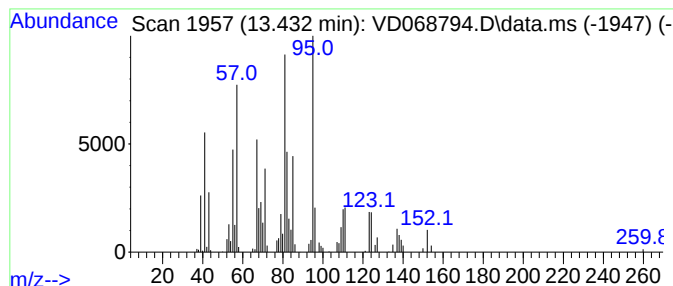
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Peak Number 3 Cyclohexene, 1,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.432	10.92 ug/l	491818	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	53
2			Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	002778-68-9	53
3			Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	53
4			Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	52
5			Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	49



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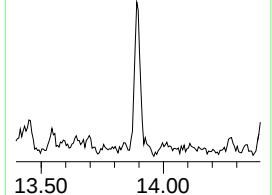
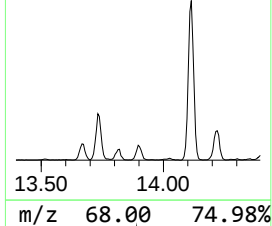
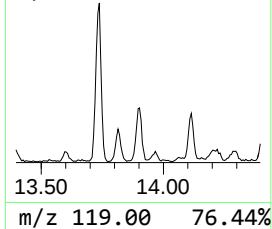
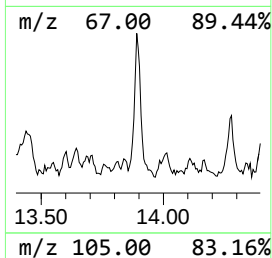
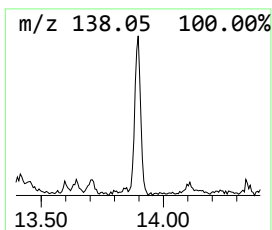
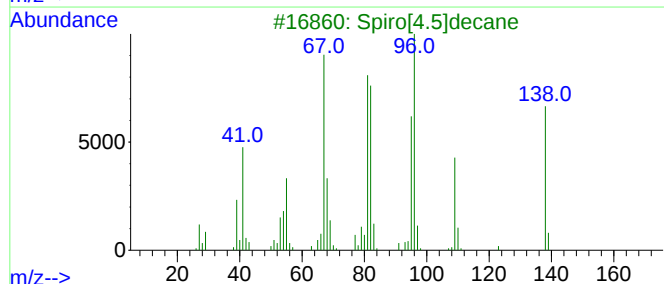
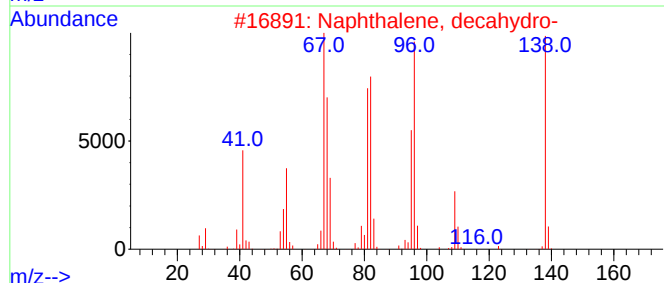
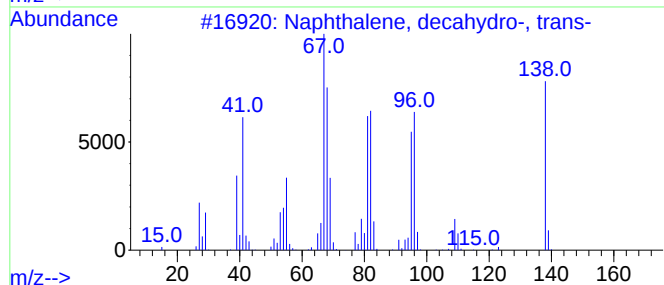
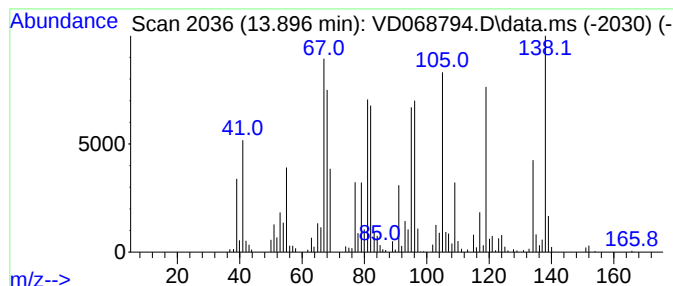
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Peak Number 4 Naphthalene, decahydro-, tr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.896	15.70 ug/l	707353	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	89
2			Naphthalene, decahydro-	138	C10H18	000091-17-8	83
3			Spiro[4.5]decane	138	C10H18	000176-63-6	64
4			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	55
5			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
Data File : VD068794.D
Acq On : 08 Apr 2021 17:32
Operator : VA/SY
Sample : M1979-21
Misc : 5.14G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-21

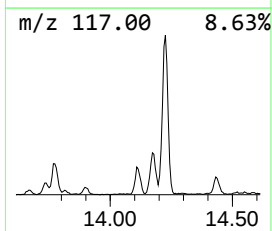
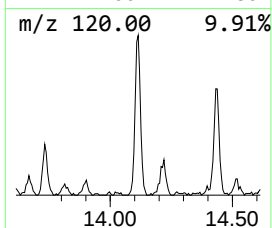
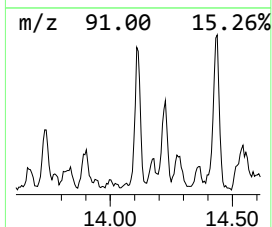
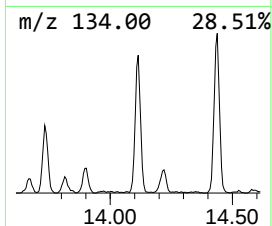
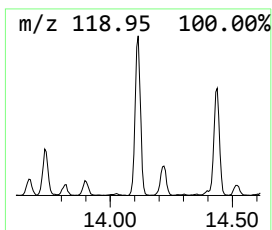
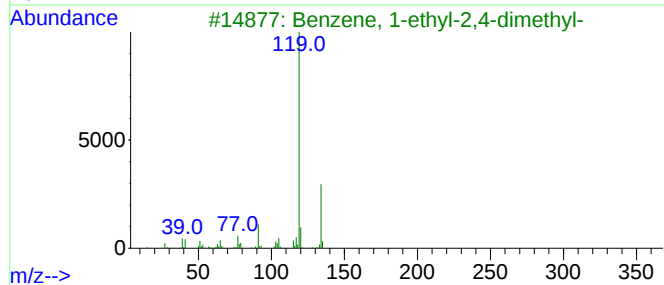
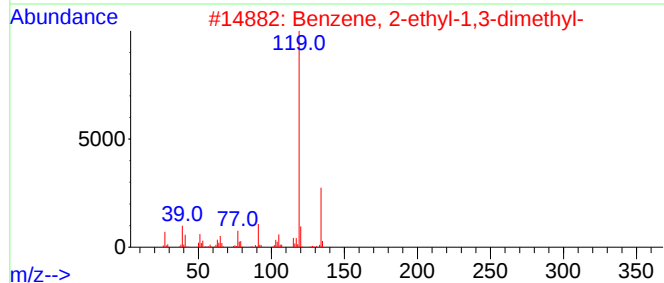
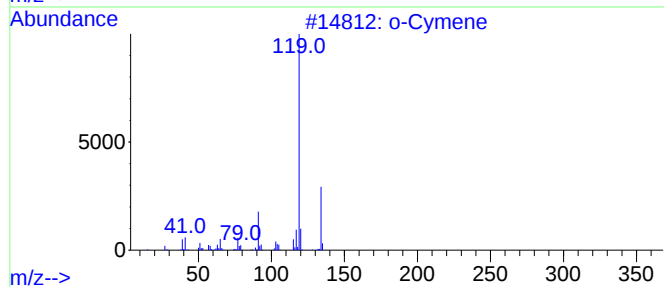
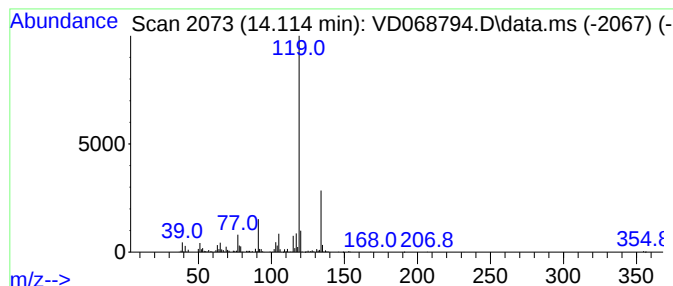
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Quant Title : SW846 8260

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

Peak Number 5 o-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.114	18.86 ug/l	849991	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	97
2			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
Data File : VD068794.D
Acq On : 08 Apr 2021 17:32
Operator : VA/SY
Sample : M1979-21
Misc : 5.14G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-21

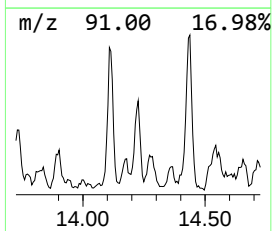
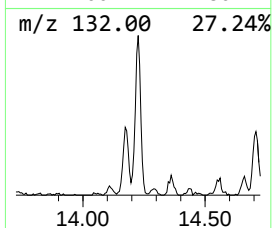
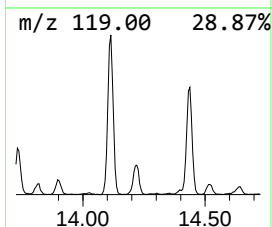
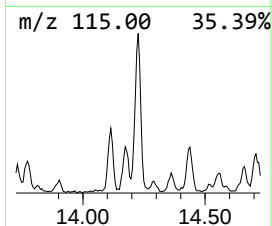
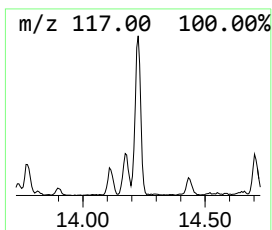
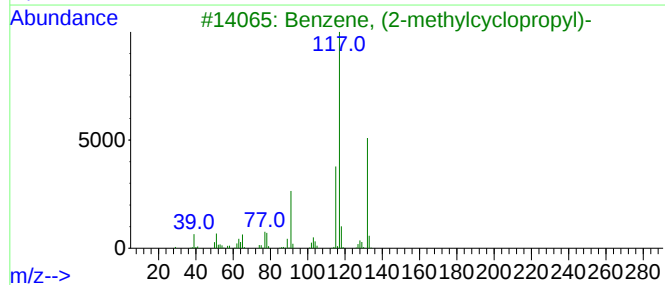
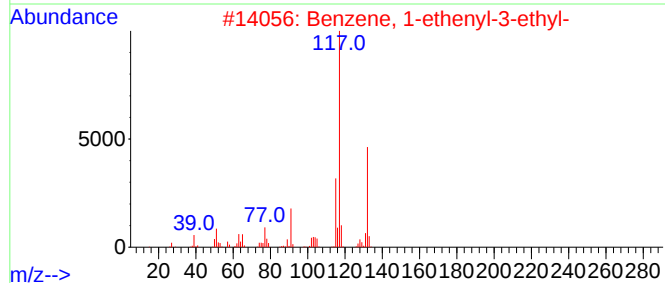
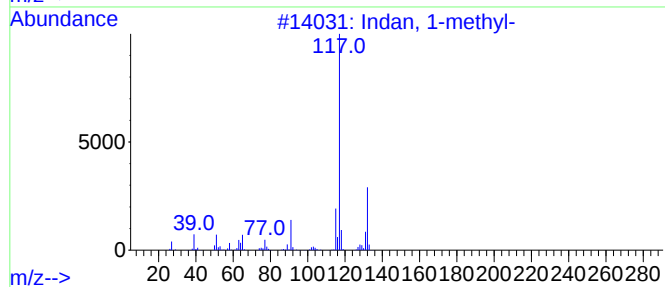
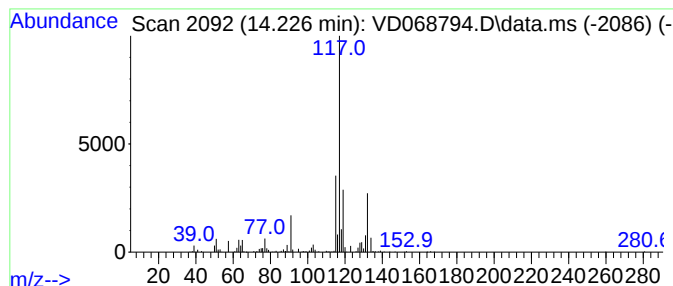
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Quant Title : SW846 8260

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

Peak Number 6 Indan, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.226	12.10 ug/l	545311	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indan, 1-methyl-	132	C10H12	000767-58-8	76
2			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74
3			Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	68
4			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	68
5			Hex-1-enylbenzene	160	C12H16	000828-15-9	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
Data File : VD068794.D
Acq On : 08 Apr 2021 17:32
Operator : VA/SY
Sample : M1979-21
Misc : 5.14G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-21

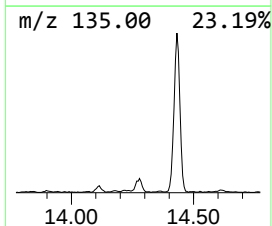
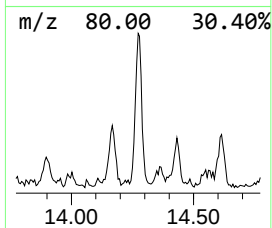
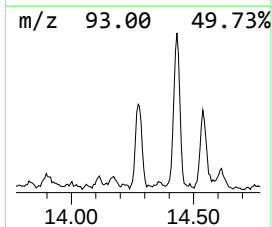
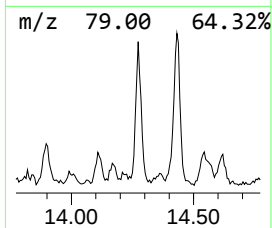
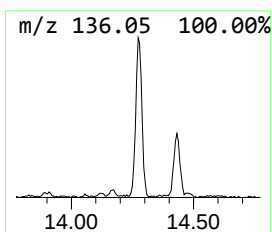
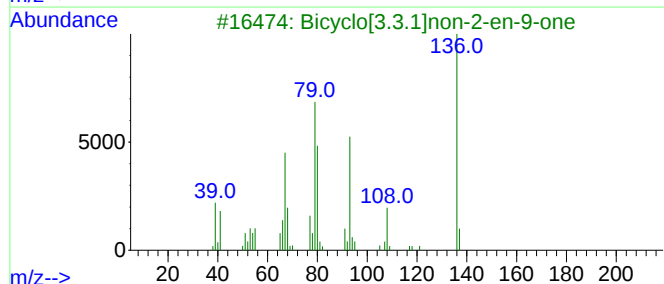
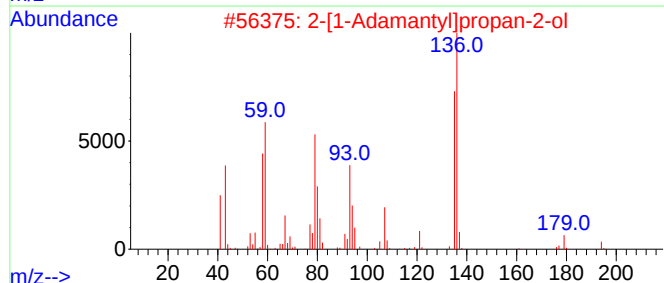
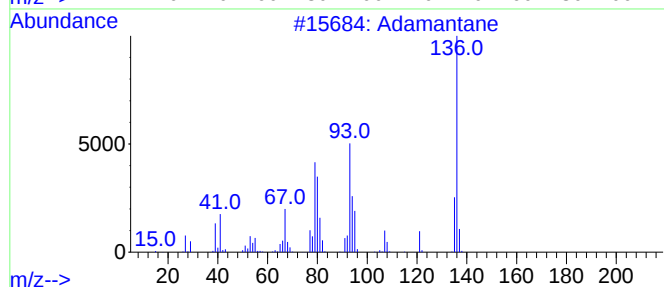
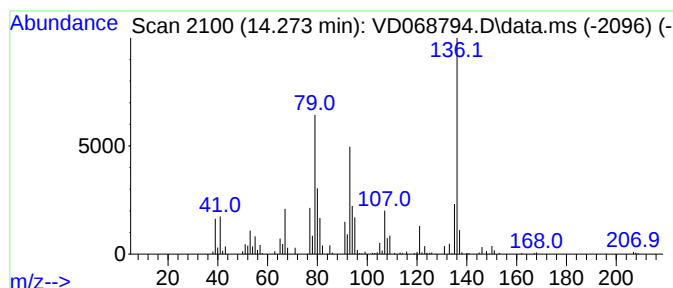
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Quant Title : SW846 8260

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

Peak Number 7 Adamantane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.273	11.87 ug/l	534990	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Adamantane	136	C10H16	000281-23-2	96
2			2-[1-Adamantyl]propan-2-ol	194	C13H22O	000775-64-4	78
3			Bicyclo[3.3.1]non-2-en-9-one	136	C9H12O	004844-11-5	59
4			3-Methylene-bicyclo[3.2.1]oct-6-...	136	C9H12O	1000193-00-0	58
5			1H-Inden-1-one, 2,3,4,5,6,7-hexa...	136	C9H12O	022118-00-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
Data File : VD068794.D
Acq On : 08 Apr 2021 17:32
Operator : VA/SY
Sample : M1979-21
Misc : 5.14G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-21

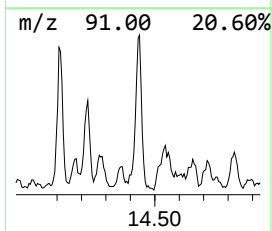
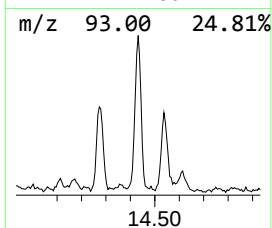
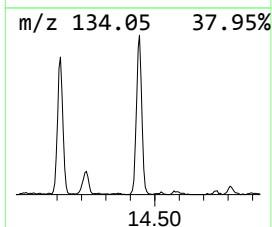
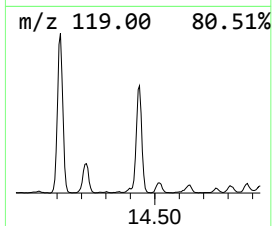
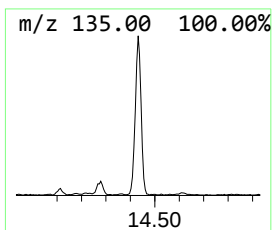
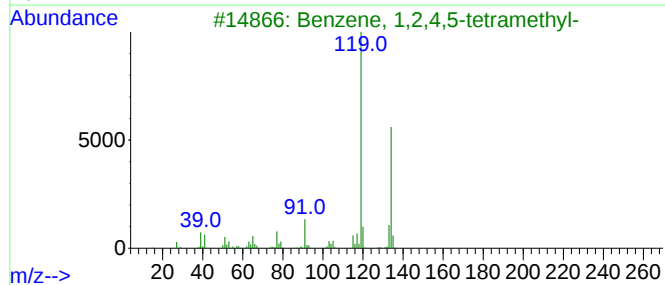
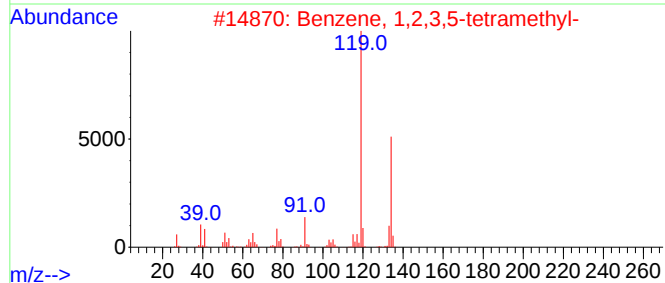
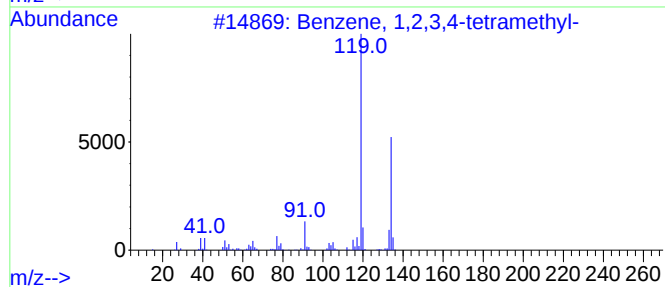
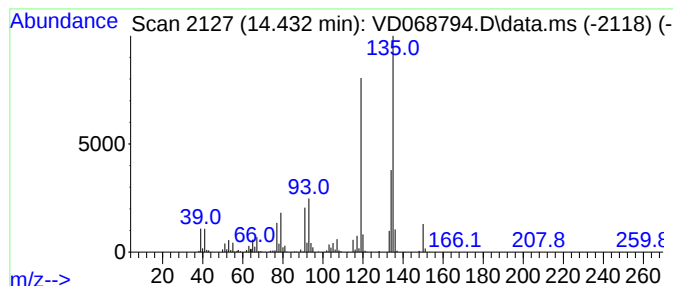
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.432	33.64 ug/l	1515600	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	86
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	50
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	50
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	46
5			o-Cymene	134	C10H14	000527-84-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
Data File : VD068794.D
Acq On : 08 Apr 2021 17:32
Operator : VA/SY
Sample : M1979-21
Misc : 5.14G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-21

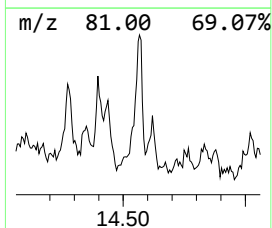
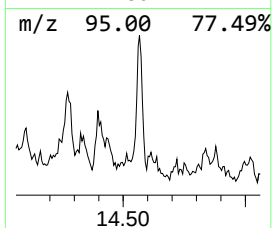
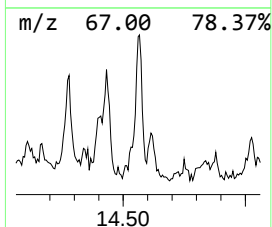
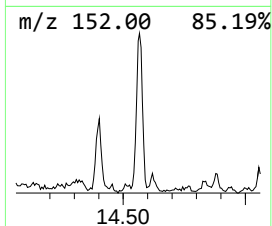
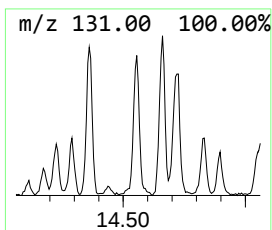
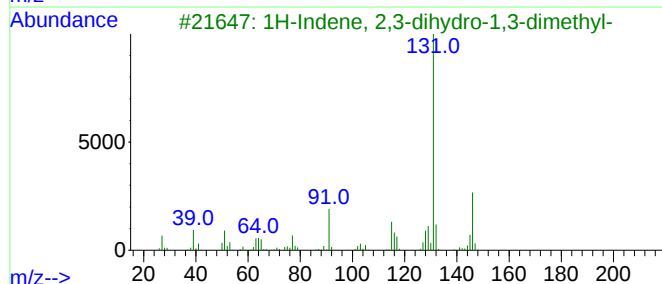
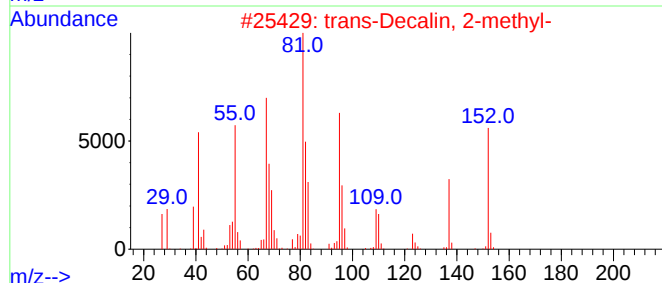
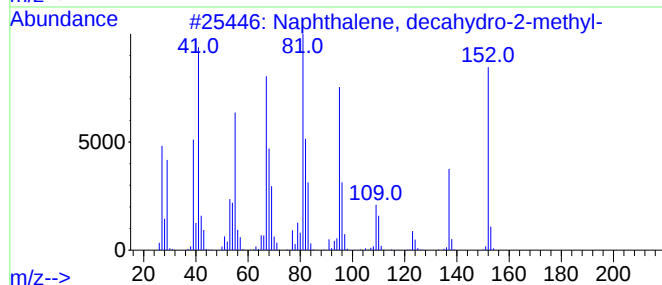
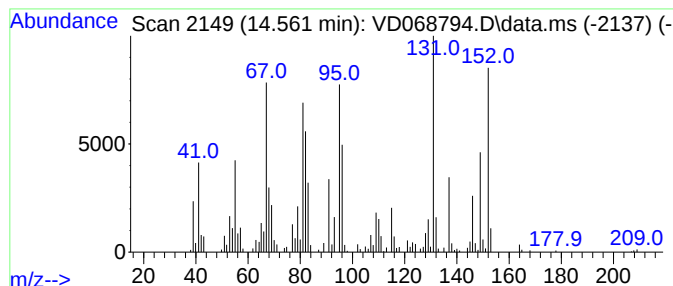
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, decahydro-2-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.561	19.39 ug/l	873779	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	55
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	53
3			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	44
4			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	43
5			(+)-2-Bornanone	152	C10H16O	000464-49-3	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
Data File : VD068794.D
Acq On : 08 Apr 2021 17:32
Operator : VA/SY
Sample : M1979-21
Misc : 5.14G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-21

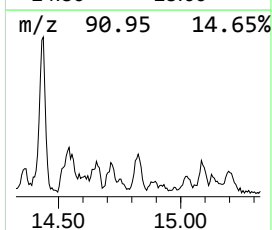
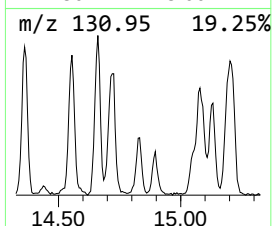
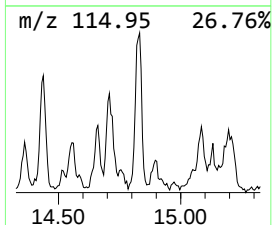
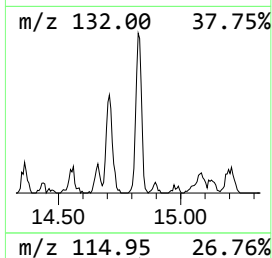
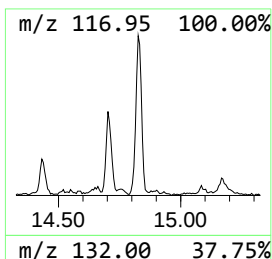
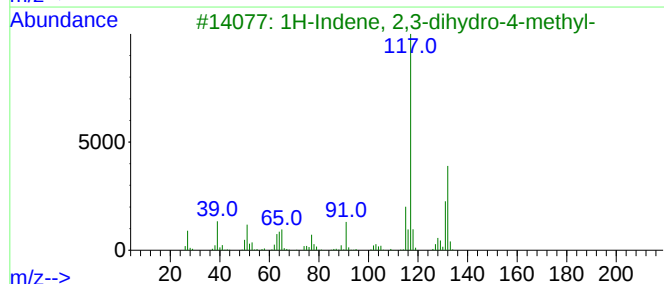
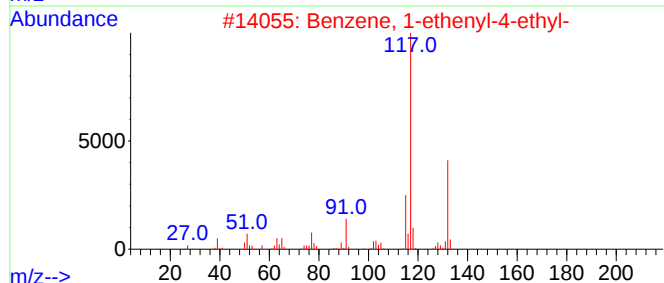
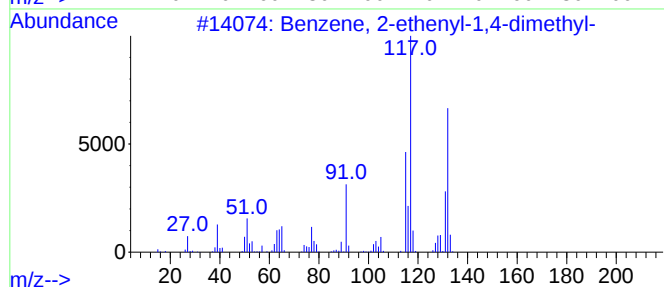
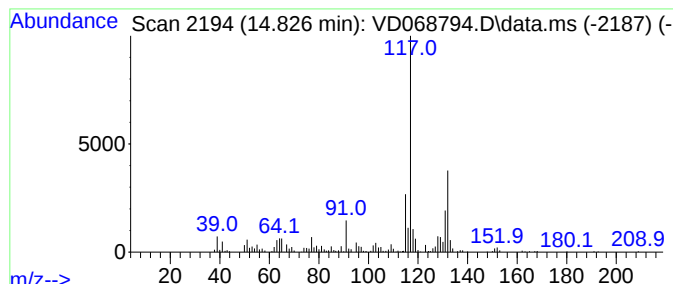
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.826	9.29 ug/l	418690	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
4			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
5			3-Phenylbut-1-ene	132	C10H12	000934-10-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
Data File : VD068794.D
Acq On : 08 Apr 2021 17:32
Operator : VA/SY
Sample : M1979-21
Misc : 5.14G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-21

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.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
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4-Octene, 2,6-d...	12.791	14.6	ug/l	656912	4	13.573	2252920	50.0
Cyclohexene, 1,...	13.432	10.9	ug/l	491818	4	13.573	2252920	50.0
Naphthalene, de...	13.896	15.7	ug/l	707353	4	13.573	2252920	50.0
o-Cymene	14.114	18.9	ug/l	849991	4	13.573	2252920	50.0
Indan, 1-methyl-	14.226	12.1	ug/l	545311	4	13.573	2252920	50.0
Adamantane	14.273	11.9	ug/l	534990	4	13.573	2252920	50.0
Benzene, 1,2,3,...	14.432	33.6	ug/l	1515600	4	13.573	2252920	50.0
Naphthalene, de...	14.561	19.4	ug/l	873779	4	13.573	2252920	50.0
Benzene, 2-ethe...	14.826	9.3	ug/l	418690	4	13.573	2252920	50.0