

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071922\
 Data File : VY009586.D
 Acq On : 19 Jul 2022 13:54
 Operator : KP/MD
 Sample : N3716-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

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_Y\methods\82Y071822S.M
 Title : SW846 8260

Signal : TIC: VY009586.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.211	59	64	74	rBV3	5702	10159	1.25%	0.124%
2	4.704	461	473	488	rBV	38978	119175	14.72%	1.457%
3	5.735	633	642	655	rBV4	10173	31890	3.94%	0.390%
4	7.710	957	966	972	rBV2	111542	264043	32.60%	3.228%
5	7.783	972	978	990	rVB	208643	472488	58.34%	5.775%
6	8.137	1027	1036	1047	rBV	108855	239947	29.63%	2.933%
7	8.685	1117	1126	1138	rBV	339148	656102	81.02%	8.020%
8	10.179	1363	1371	1380	rBV	442398	774347	95.62%	9.465%
9	11.087	1515	1520	1526	rVB2	7205	11866	1.47%	0.145%
10	11.288	1548	1553	1562	rVB5	6205	15408	1.90%	0.188%
11	11.386	1562	1569	1578	rBV6	3621	10892	1.34%	0.133%
12	11.483	1578	1585	1595	rBV	495365	809837	100.00%	9.899%
13	11.624	1596	1608	1611	rVV8	7185	15424	1.90%	0.189%
14	11.679	1611	1617	1621	rVV7	7161	17058	2.11%	0.209%
15	11.733	1621	1626	1630	rVV	15848	30120	3.72%	0.368%
16	11.776	1630	1633	1639	rVB4	7859	13143	1.62%	0.161%
17	11.837	1639	1643	1647	rBV3	5540	10361	1.28%	0.127%
18	11.996	1662	1669	1678	rBV5	24339	71405	8.82%	0.873%
19	12.203	1698	1703	1705	rBV4	19775	34835	4.30%	0.426%
20	12.319	1719	1722	1731	rVB9	8540	18100	2.24%	0.221%
21	12.477	1742	1748	1754	rBV	345782	539467	66.61%	6.594%
22	12.532	1754	1757	1759	rVV3	7647	10381	1.28%	0.127%
23	12.569	1759	1763	1767	rVV4	13471	23823	2.94%	0.291%
24	12.642	1771	1775	1782	rVB4	35128	64434	7.96%	0.788%
25	12.727	1782	1789	1793	rBV5	31343	71508	8.83%	0.874%
26	12.806	1797	1802	1809	rVB6	39517	79308	9.79%	0.969%
27	12.947	1815	1825	1828	rBV9	21849	54181	6.69%	0.662%
28	13.038	1836	1840	1846	rVB5	27397	46068	5.69%	0.563%
29	13.117	1847	1853	1857	rBV	26745	50316	6.21%	0.615%
30	13.178	1858	1863	1869	rVV9	12801	31021	3.83%	0.379%
31	13.245	1871	1874	1878	rVB3	13799	18528	2.29%	0.226%
32	13.300	1878	1883	1888	rBV6	22723	49833	6.15%	0.609%
33	13.355	1888	1892	1896	rVB5	13136	19782	2.44%	0.242%
34	13.422	1897	1903	1912	rBV	502167	793184	97.94%	9.695%
35	13.495	1912	1915	1918	rBV4	10316	16603	2.05%	0.203%
36	13.562	1920	1926	1930	rBV4	20524	35713	4.41%	0.437%

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37	13.617	1931	1935	1939	rVV3	26218	40990	5.06%	0.501%
38	13.660	1939	1942	1945	rVB2	16124	19413	2.40%	0.237%
39	13.745	1951	1956	1961	rVB2	89281	152394	18.82%	1.863%
40	13.818	1961	1968	1971	rBV4	19504	45731	5.65%	0.559%
41	13.879	1976	1978	1980	rVV2	15462	18654	2.30%	0.228%
42	13.910	1981	1983	1987	rVV4	18397	22521	2.78%	0.275%
43	13.971	1989	1993	1997	rVB3	32049	45427	5.61%	0.555%
44	14.074	2005	2010	2015	rBV2	56302	96698	11.94%	1.182%
45	14.135	2015	2020	2025	rVB5	22463	42256	5.22%	0.517%
46	14.196	2026	2030	2035	rBV5	23884	47090	5.81%	0.576%
47	14.251	2035	2039	2044	rBV	93030	138958	17.16%	1.699%
48	14.331	2049	2052	2056	rVB	32193	42505	5.25%	0.520%
49	14.379	2056	2060	2063	rBV2	28115	42480	5.25%	0.519%
50	14.416	2063	2066	2071	rVB3	78953	111604	13.78%	1.364%
51	14.477	2071	2076	2080	rBV6	28820	49286	6.09%	0.602%
52	14.562	2086	2090	2094	rBV4	18610	29763	3.68%	0.364%
53	14.611	2094	2098	2103	rVV2	36316	51843	6.40%	0.634%
54	14.678	2103	2109	2114	rVV4	91793	191394	23.63%	2.339%
55	14.733	2114	2118	2124	rVB4	51413	88987	10.99%	1.088%
56	14.837	2130	2135	2139	rBV2	60673	114723	14.17%	1.402%
57	14.940	2147	2152	2156	rBV4	50488	94306	11.65%	1.153%
58	15.050	2165	2170	2178	rVB2	51259	122094	15.08%	1.492%
59	15.123	2179	2182	2190	rVB8	27337	53007	6.55%	0.648%
60	15.288	2206	2209	2214	rBV	42649	62616	7.73%	0.765%
61	15.525	2242	2248	2255	rBV3	31157	68374	8.44%	0.836%
62	15.605	2257	2261	2265	rVB5	29740	43856	5.42%	0.536%
63	15.690	2267	2275	2277	rVV5	35661	83108	10.26%	1.016%
64	15.727	2277	2281	2287	rVB4	52581	94989	11.73%	1.161%
65	15.812	2292	2295	2300	rVB5	19587	31545	3.90%	0.386%
66	15.885	2302	2307	2312	rBV5	25683	58142	7.18%	0.711%
67	16.031	2324	2331	2338	rBV2	84658	183499	22.66%	2.243%
68	16.227	2358	2363	2369	rVB3	66962	134401	16.60%	1.643%
69	16.294	2369	2374	2379	rVB2	34520	59224	7.31%	0.724%
70	16.483	2399	2405	2411	rBV8	39499	116417	14.38%	1.423%
71	16.629	2425	2429	2438	rVB4	19191	51988	6.42%	0.635%

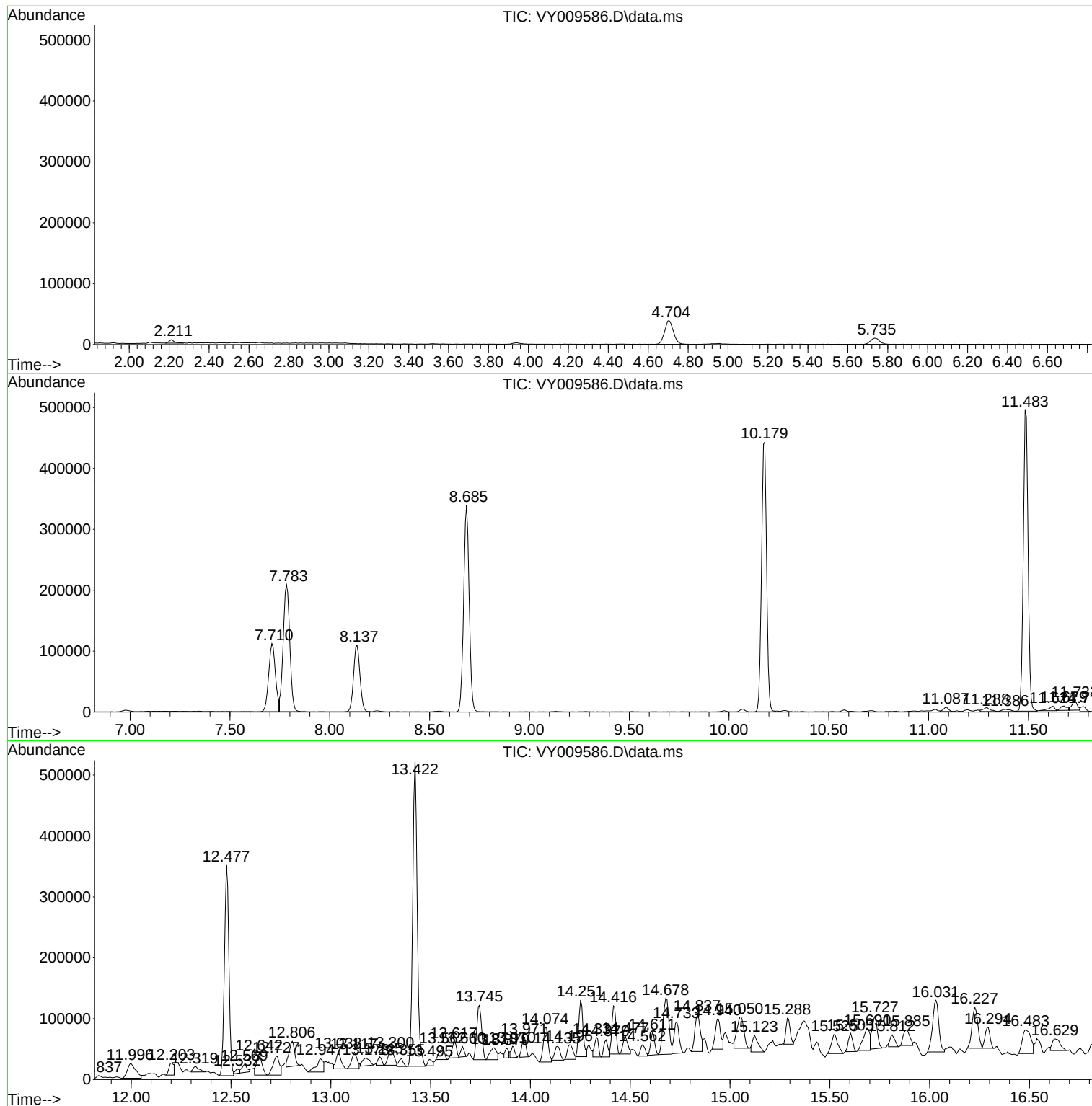
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COMP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

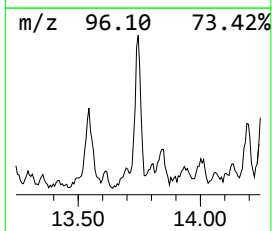
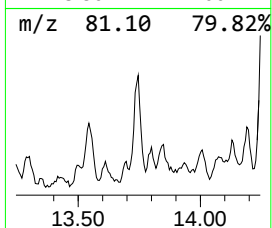
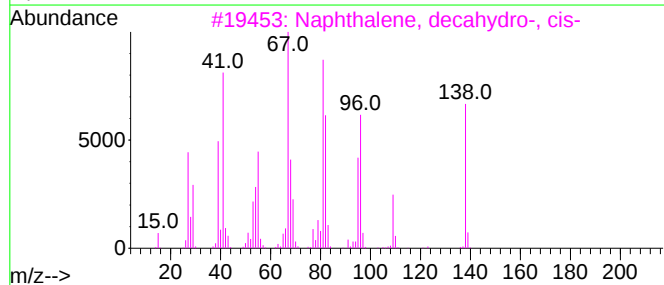
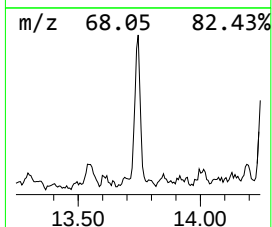
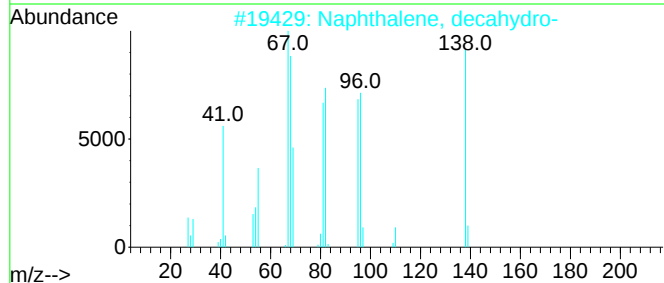
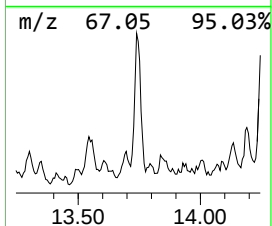
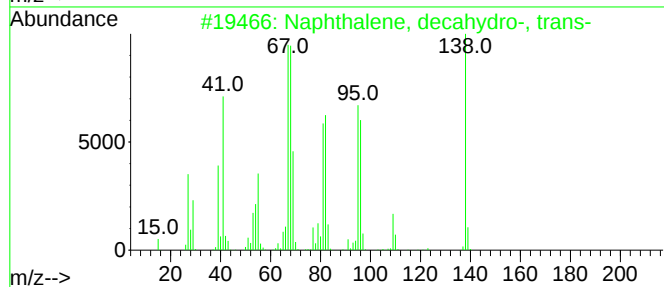
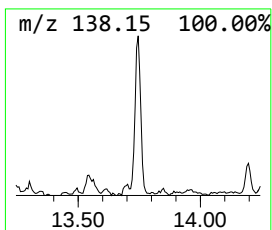
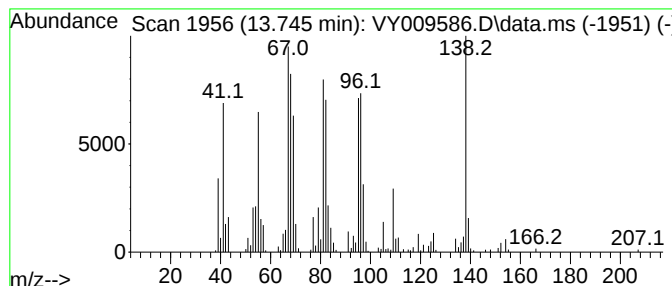
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Naphthalene, decahydro-, tr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.745	9.61 ug/l	152394	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
2			Naphthalene, decahydro-	138	C10H18	000091-17-8	93
3			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	87
4			1,1'-Bicyclopentyl	138	C10H18	001636-39-1	76
5			2,2-Dimethyl-3-vinylcyclopentanone	138	C9H14O	1000427-24-5	72



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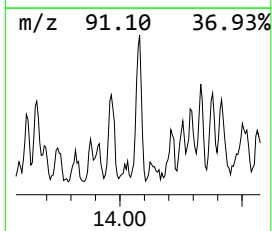
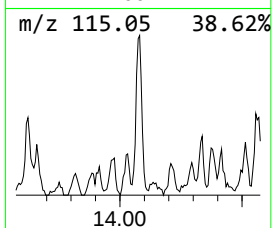
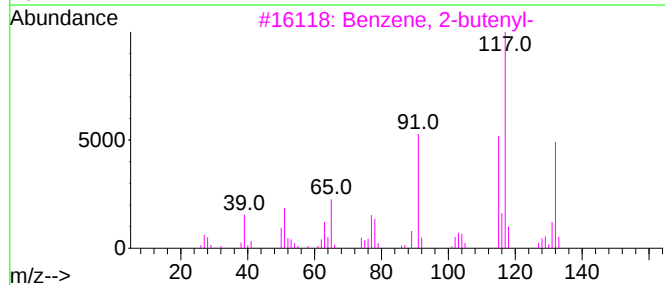
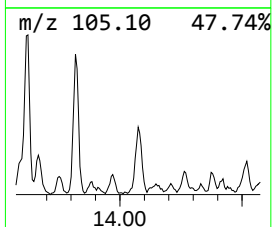
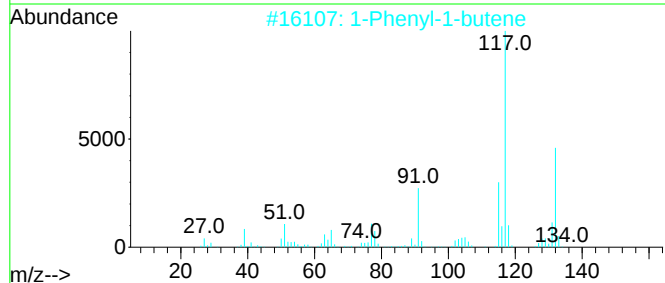
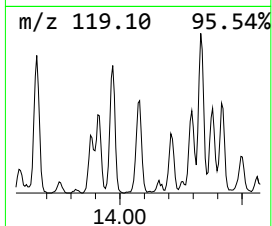
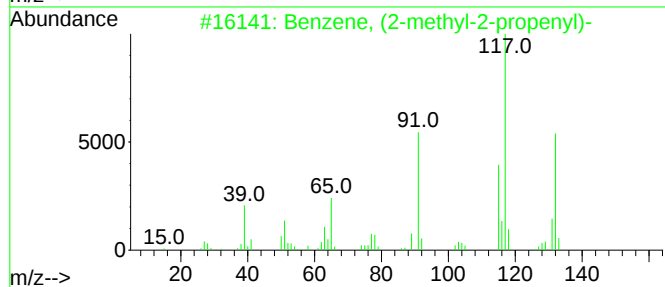
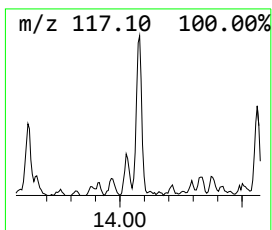
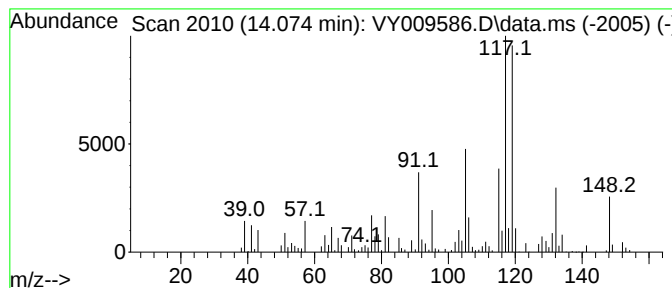
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, (2-methyl-2-propen... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.075	6.10 ug/l	96698	1,4-Dichlorobenzene-d4	13.422

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	89
2		1-Phenyl-1-butene	132	C10H12	000824-90-8	86
3		Benzene, 2-butenyl-	132	C10H12	001560-06-1	80
4		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	80
5		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	64



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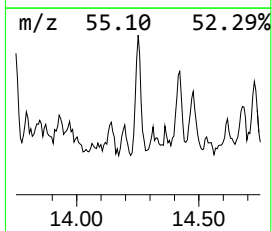
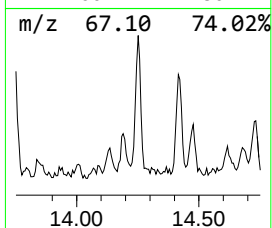
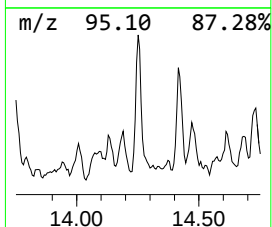
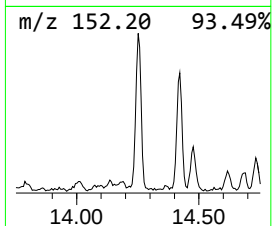
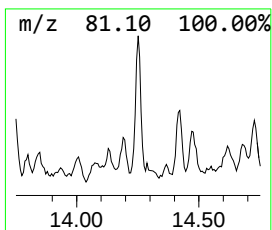
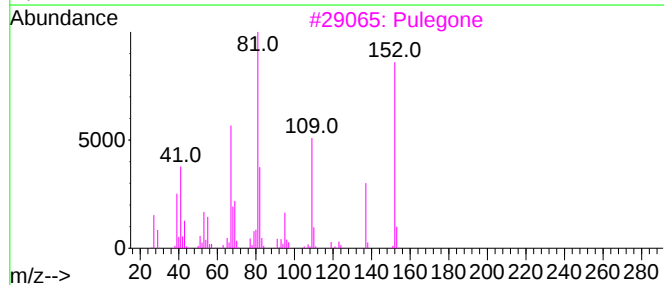
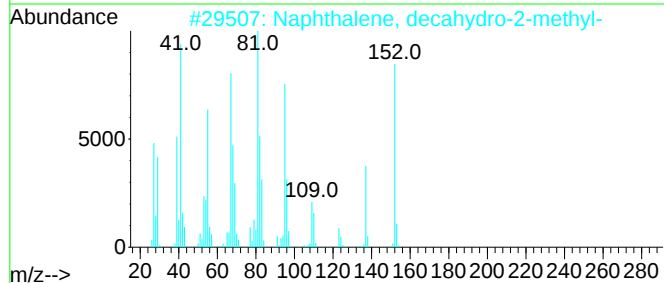
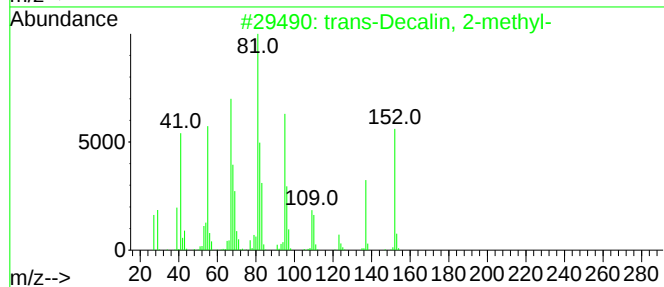
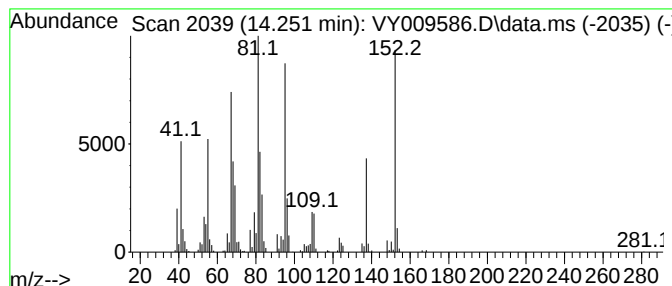
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TIC Library : C:\Database\NIST20.L
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Peak Number 3 trans-Decalin, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.251	8.76 ug/l	138958	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	96
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
3			Pulegone	152	C10H16O	000089-82-7	76
4			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	029606-79-9	74
5			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	68



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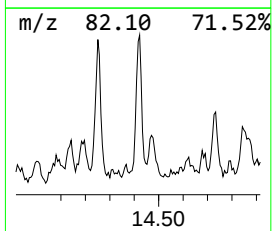
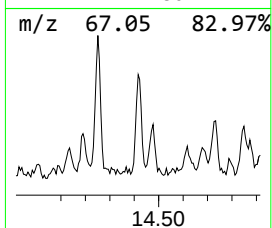
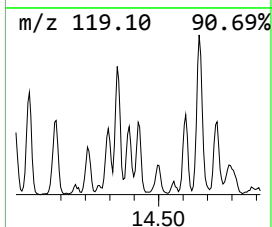
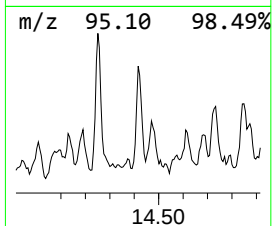
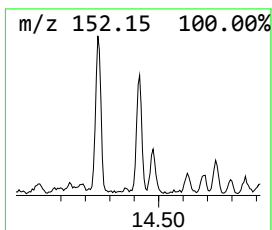
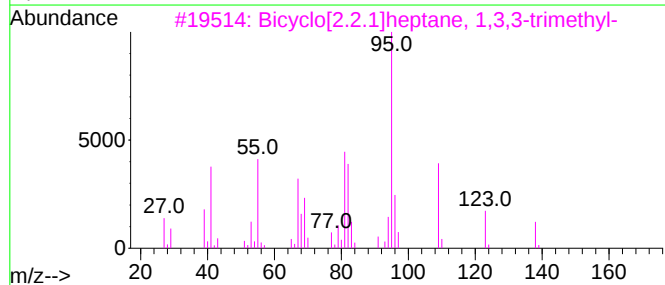
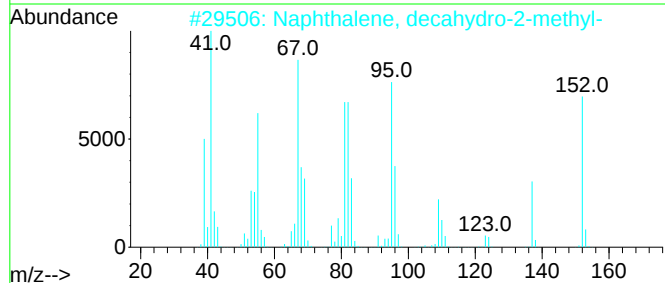
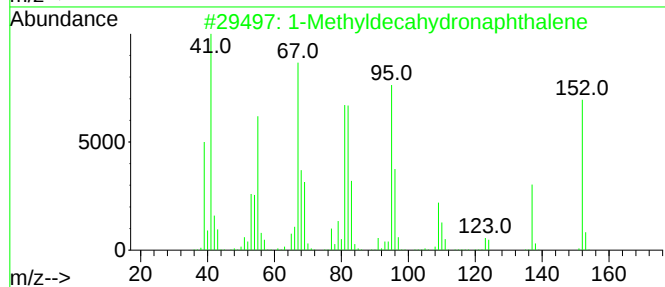
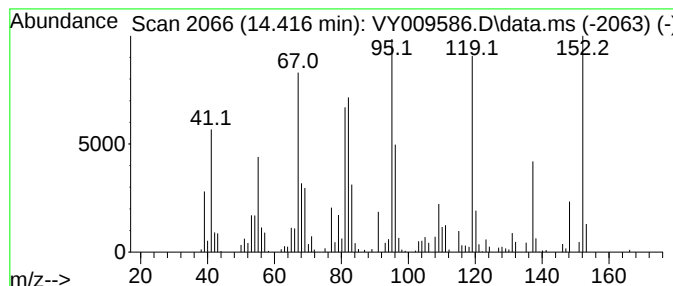
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Peak Number 4 1-Methyldecahydronaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.416	7.04 ug/l	111604	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	90
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
3			Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	46
4			Pulegone	152	C10H16O	000089-82-7	45
5			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071922\
Data File : VY009586.D
Acq On : 19 Jul 2022 13:54
Operator : KP/MD
Sample : N3716-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

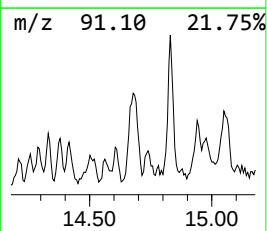
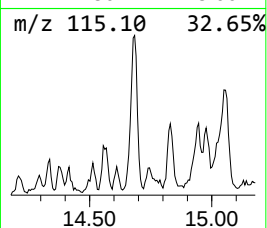
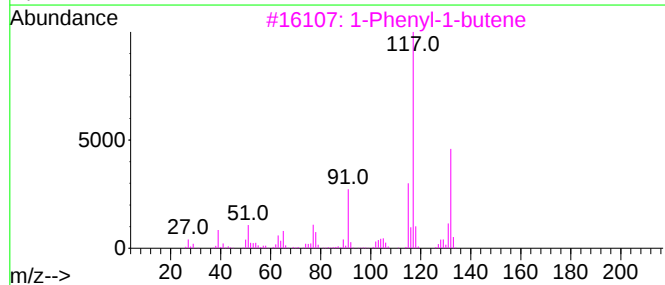
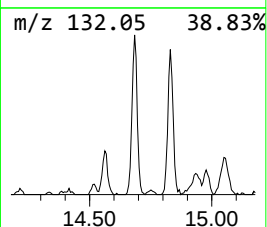
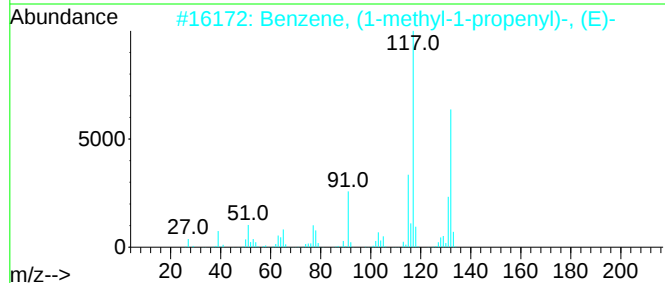
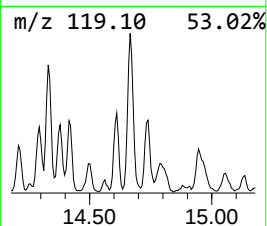
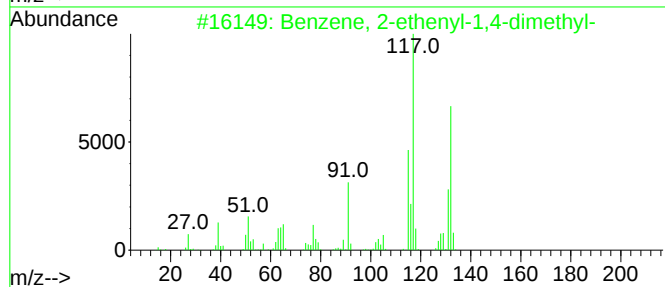
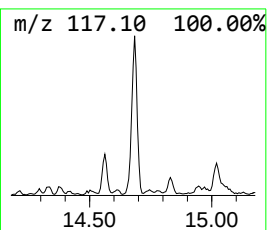
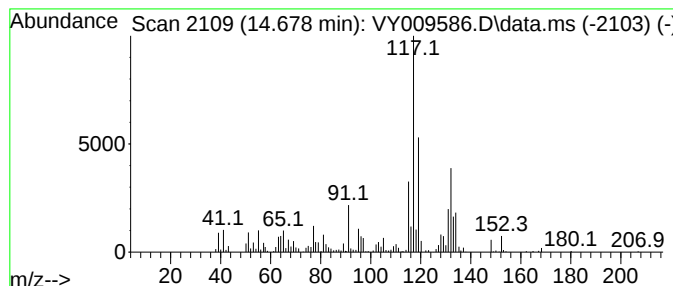
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.678	12.06 ug/l	191394	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
3			1-Phenyl-1-butene	132	C10H12	000824-90-8	70
4			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
5			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071922\
Data File : VY009586.D
Acq On : 19 Jul 2022 13:54
Operator : KP/MD
Sample : N3716-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

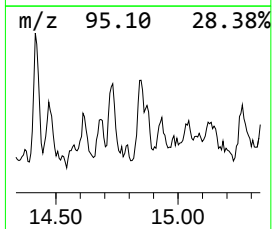
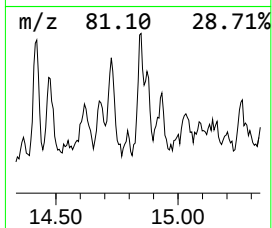
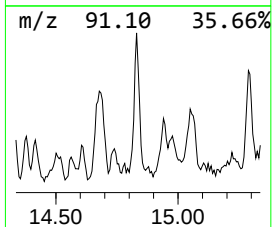
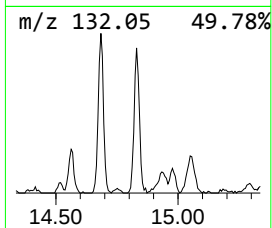
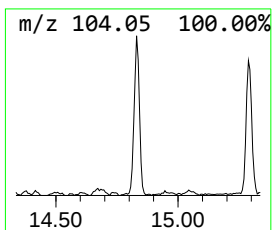
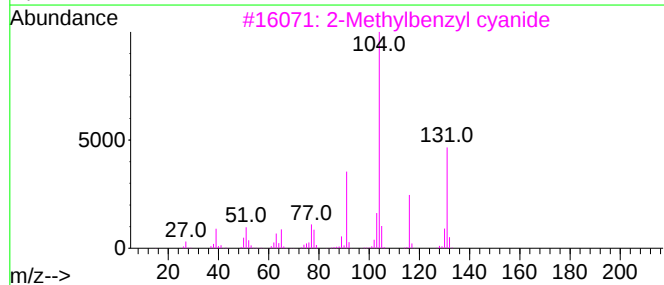
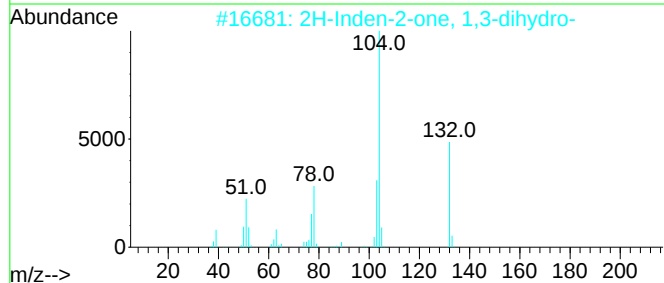
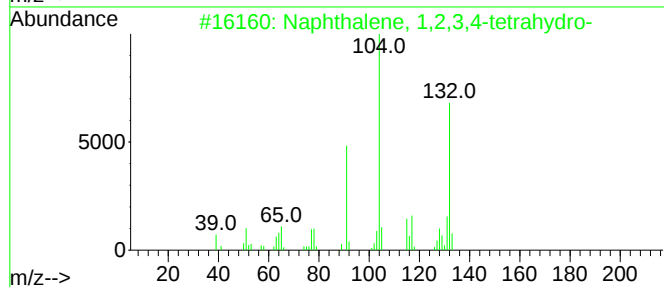
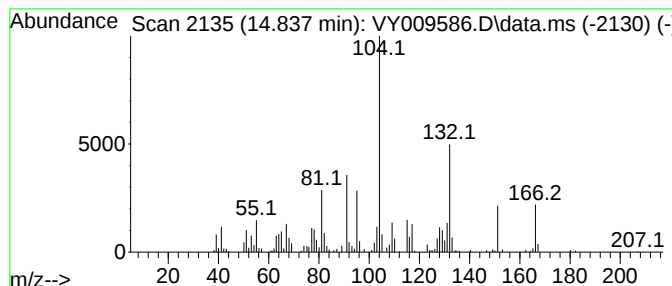
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.836	7.23 ug/l	114723	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			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	38
3			2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	38
4			Bromoacetic acid, 2-phenylethyl ...	242	C10H11BrO2	003785-33-9	22
5			Phensuximide	189	C11H11NO2	000086-34-0	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071922\
Data File : VY009586.D
Acq On : 19 Jul 2022 13:54
Operator : KP/MD
Sample : N3716-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

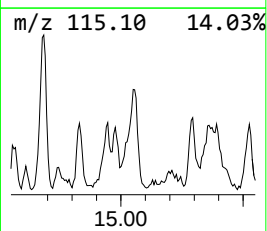
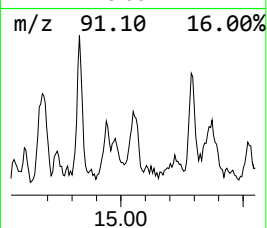
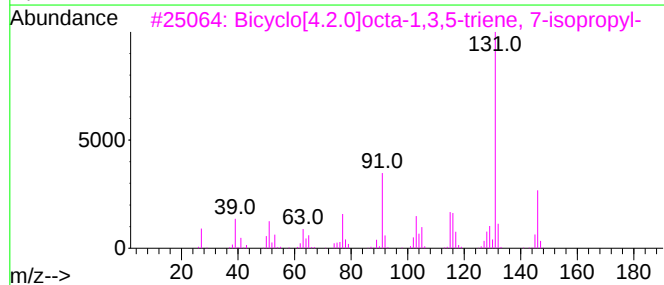
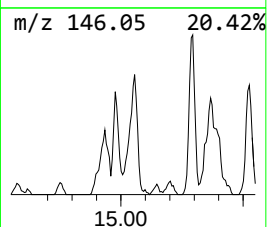
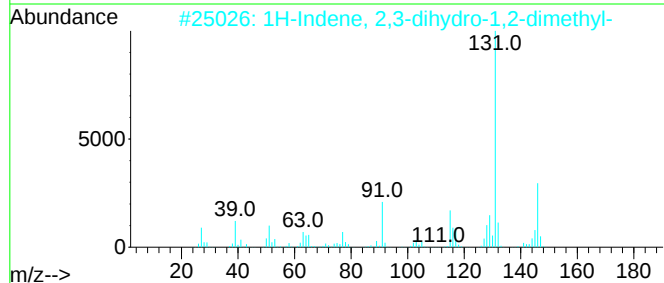
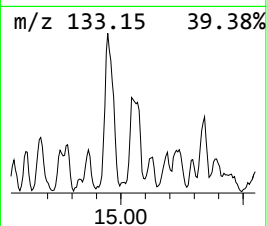
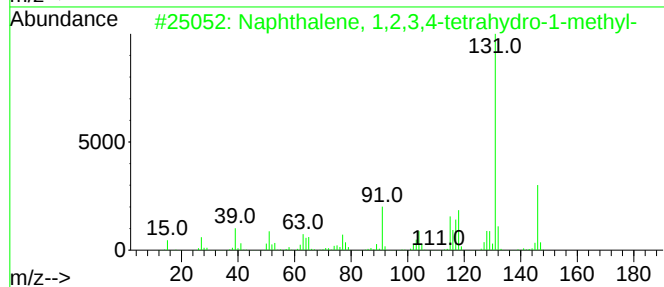
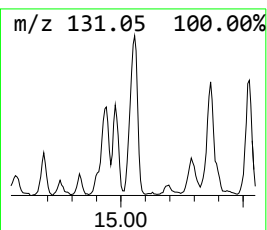
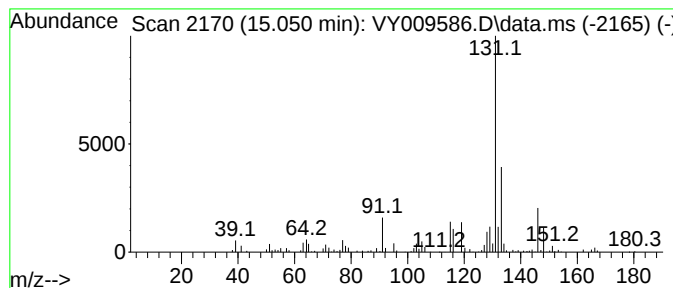
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.050	7.70 ug/l	122094	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
2			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
3			Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	64
4			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
5			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071922\
Data File : VY009586.D
Acq On : 19 Jul 2022 13:54
Operator : KP/MD
Sample : N3716-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

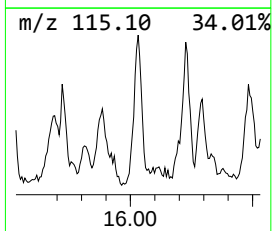
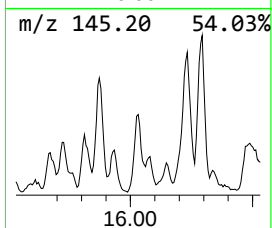
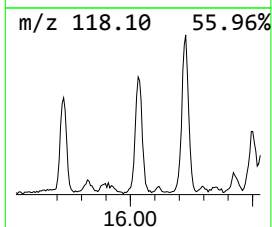
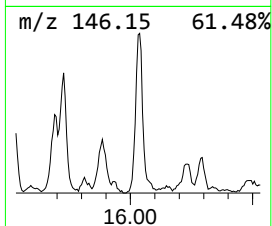
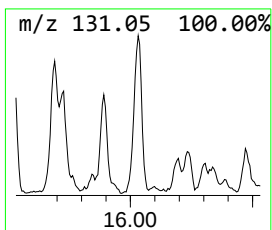
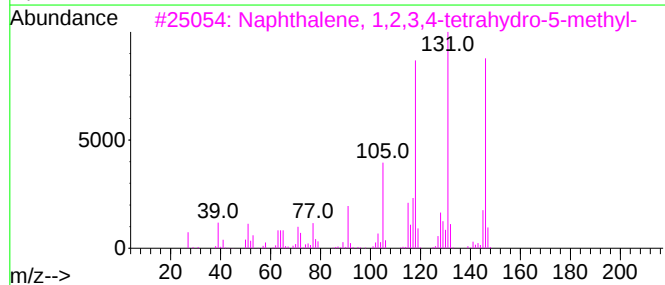
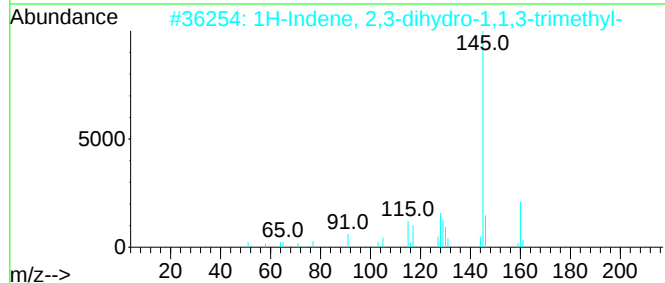
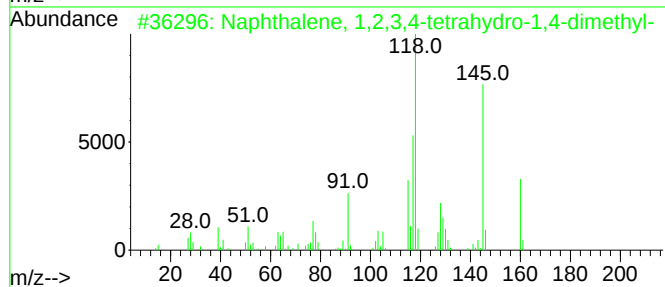
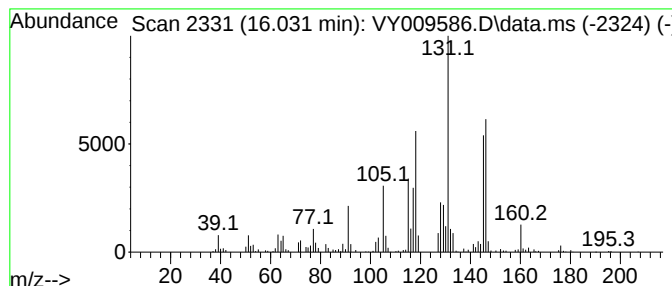
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 1,2,3,4-tetra... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.031	11.57 ug/l	183499	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	90
2			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	87
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	76
4			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	70
5			1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071922\
Data File : VY009586.D
Acq On : 19 Jul 2022 13:54
Operator : KP/MD
Sample : N3716-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

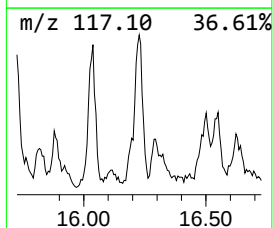
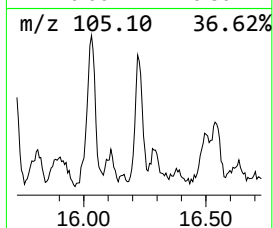
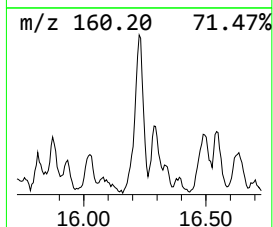
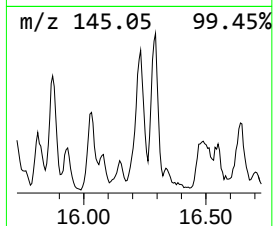
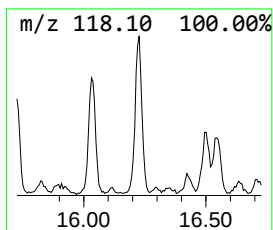
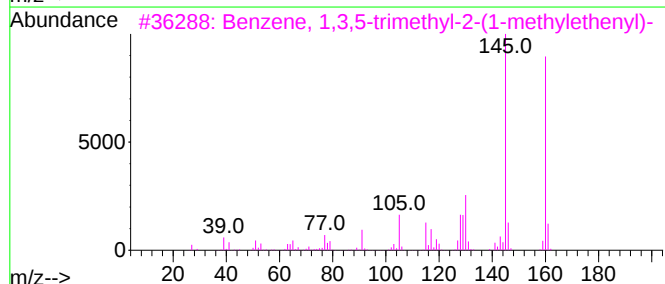
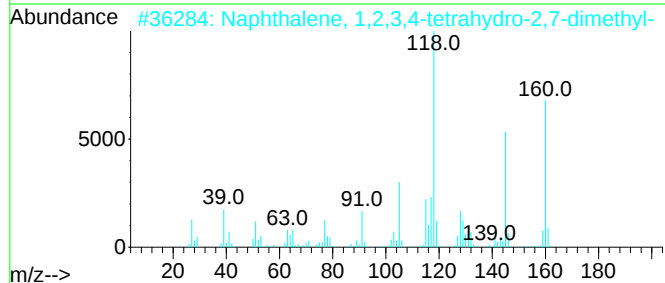
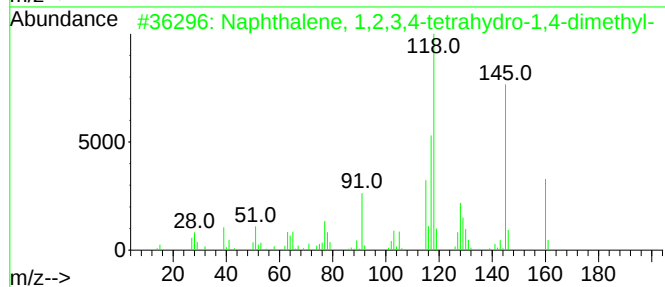
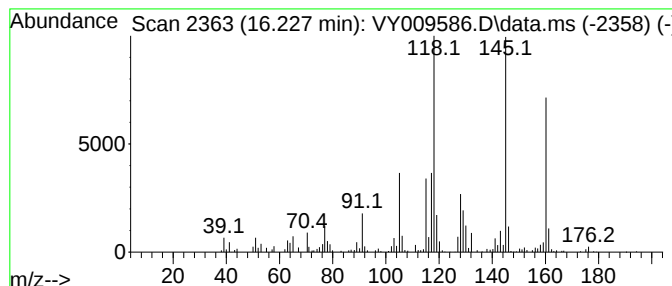
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.227	8.47 ug/l	134401	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	91
3			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	83
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	70
5			Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071922\
Data File : VY009586.D
Acq On : 19 Jul 2022 13:54
Operator : KP/MD
Sample : N3716-01
Misc : 5.00g/5.0mL/MSVOA_Y/soil
ALS Vial : 9 Sample Multiplier: 1

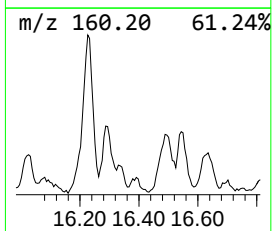
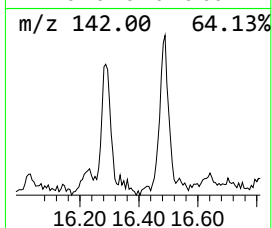
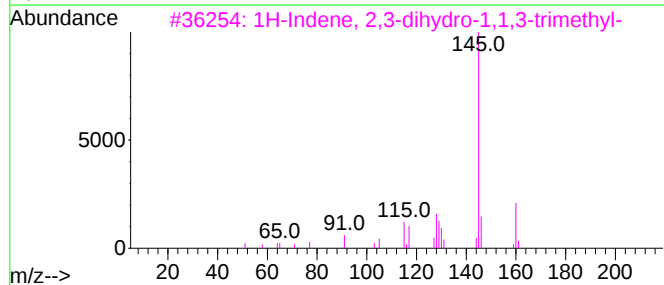
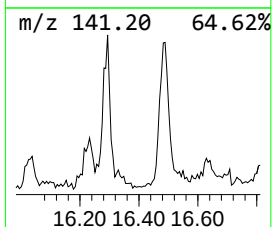
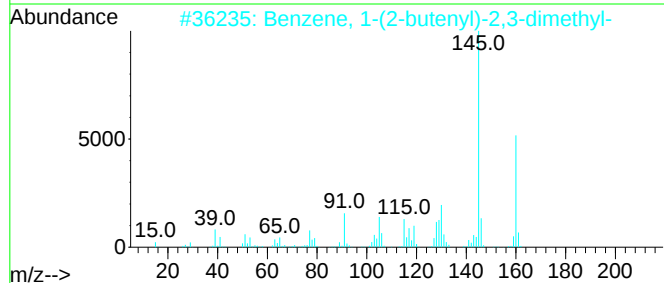
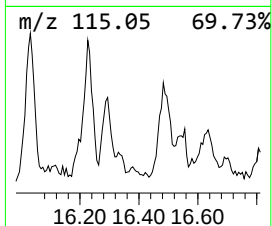
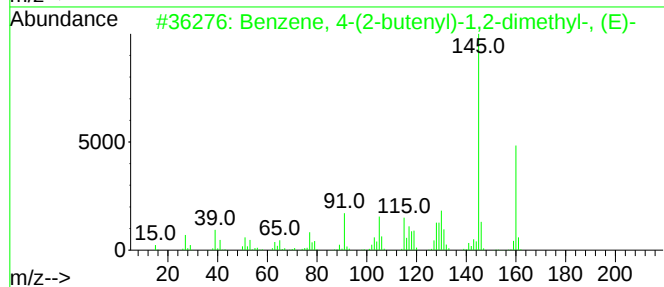
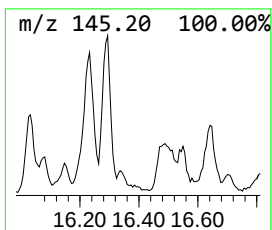
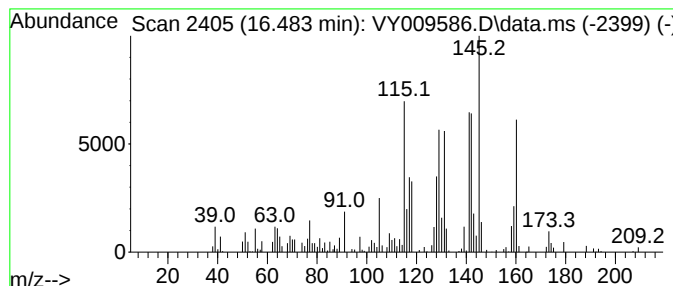
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzene, 4-(2-butenyl)-1,2-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.483	7.34 ug/l	116417	1,4-Dichlorobenzene-d4		13.422	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 4-(2-butenyl)-1,2-dimet...		160	C12H16	054340-86-2	53
2	Benzene, 1-(2-butenyl)-2,3-dimet...		160	C12H16	054340-85-1	46
3	1H-Indene, 2,3-dihydro-1,1,3-tri...		160	C12H16	002613-76-5	38
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...		142	C11H10	002443-46-1	25
5	Naphthalene, 2-methyl-		142	C11H10	000091-57-6	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071922\
Data File : VY009586.D
Acq On : 19 Jul 2022 13:54
Operator : KP/MD
Sample : N3716-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Benzene, (2-met...	14.075	6.1	ug/l	96698	4	13.422	793184	50.0
trans-Decalin, ...	14.251	8.8	ug/l	138958	4	13.422	793184	50.0
1-Methyldecahyd...	14.416	7.0	ug/l	111604	4	13.422	793184	50.0
Benzene, 2-ethe...	14.678	12.1	ug/l	191394	4	13.422	793184	50.0
Naphthalene, 1,...	14.836	7.2	ug/l	114723	4	13.422	793184	50.0
Naphthalene, 1,...	15.050	7.7	ug/l	122094	4	13.422	793184	50.0
Naphthalene, 1,...	16.031	11.6	ug/l	183499	4	13.422	793184	50.0
Naphthalene, 1,...	16.227	8.5	ug/l	134401	4	13.422	793184	50.0
Benzene, 4-(2-b...	16.483	7.3	ug/l	116417	4	13.422	793184	50.0