

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
 Data File : VY006026.D
 Acq On : 15 Sep 2021 16:04
 Operator : SY/MD
 Sample : M3733-06
 Misc : 6.25G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NAPL-AREA-01-(25-27)

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\82Y091421S.M
 Title : SW846 8260

Signal : TIC: VY006026.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.954	342	350	358	rBV4	828	2369	1.67%	0.166%
2	4.814	481	491	504	rVB2	7364	25292	17.82%	1.772%
3	6.990	837	848	861	rBV2	26697	74339	52.37%	5.207%
4	7.728	960	969	974	rBV2	10547	23962	16.88%	1.678%
5	7.795	974	980	990	rVB	21649	46948	33.07%	3.288%
6	8.149	1031	1038	1049	rVB2	11382	24269	17.10%	1.700%
7	8.697	1120	1128	1135	rBV2	31339	60287	42.47%	4.223%
8	10.185	1363	1372	1379	rBV	48398	84776	59.72%	5.938%
9	10.721	1455	1460	1465	rVB5	2950	4678	3.30%	0.328%
10	11.032	1507	1511	1515	rVB3	1163	1701	1.20%	0.119%
11	11.093	1515	1521	1525	rBV6	1755	2970	2.09%	0.208%
12	11.209	1534	1540	1544	rBV4	1911	2960	2.09%	0.207%
13	11.282	1544	1552	1561	rVB6	2968	8118	5.72%	0.569%
14	11.380	1561	1568	1574	rBV2	3384	5396	3.80%	0.378%
15	11.489	1580	1586	1593	rBV	40961	68298	48.11%	4.784%
16	11.624	1604	1608	1612	rBV4	1271	1830	1.29%	0.128%
17	11.678	1612	1617	1618	rVV4	1867	2594	1.83%	0.182%
18	11.739	1620	1627	1631	rVV5	6993	15053	10.60%	1.054%
19	11.782	1631	1634	1639	rVB2	4733	5930	4.18%	0.415%
20	11.898	1645	1653	1654	rBV4	1216	2791	1.97%	0.195%
21	11.928	1654	1658	1663	rVB3	5651	9080	6.40%	0.636%
22	12.008	1663	1671	1677	rBV3	14595	32689	23.03%	2.290%
23	12.056	1677	1679	1683	rVB3	2875	3217	2.27%	0.225%
24	12.123	1686	1690	1694	rVB	17373	23992	16.90%	1.681%
25	12.203	1694	1703	1705	rBV5	11373	23155	16.31%	1.622%
26	12.245	1705	1710	1715	rVB5	16894	31778	22.39%	2.226%
27	12.373	1725	1731	1735	rBV4	11738	25784	18.16%	1.806%
28	12.416	1735	1738	1744	rVB	15922	24935	17.57%	1.747%
29	12.489	1744	1750	1759	rBV2	78683	141948	100.00%	9.943%
30	12.569	1760	1763	1767	rBV6	3726	5011	3.53%	0.351%
31	12.617	1767	1771	1772	rBV4	1854	2712	1.91%	0.190%
32	12.648	1772	1776	1783	rVB3	13645	29980	21.12%	2.100%
33	12.727	1783	1789	1793	rBV7	7614	17107	12.05%	1.198%
34	12.812	1793	1803	1807	rBV4	32791	68507	48.26%	4.799%
35	12.861	1807	1811	1816	rVB2	15039	24086	16.97%	1.687%
36	12.953	1821	1826	1829	rBV3	13688	20723	14.60%	1.452%

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37	13.001	1829	1834	1837	rBV5	11031	19488	13.73%	1.365%
38	13.038	1837	1840	1847	rVB2	24200	33884	23.87%	2.373%
39	13.117	1847	1853	1858	rVB3	14804	30242	21.30%	2.118%
40	13.166	1858	1861	1866	rBV3	10168	14238	10.03%	0.997%
41	13.221	1866	1870	1872	rBV3	7476	10317	7.27%	0.723%
42	13.318	1879	1886	1890	rBV3	20634	38878	27.39%	2.723%
43	13.361	1890	1893	1897	rVV4	8913	14013	9.87%	0.982%
44	13.428	1897	1904	1914	rVB	39140	64893	45.72%	4.545%
45	13.556	1922	1925	1928	rBV5	3398	5359	3.78%	0.375%
46	13.593	1928	1931	1934	rVV5	3619	4821	3.40%	0.338%
47	13.672	1940	1944	1946	rBV2	5909	9585	6.75%	0.671%
48	13.751	1952	1957	1961	rBV3	16354	28481	20.06%	1.995%
49	13.971	1988	1993	1997	rBV3	15274	22651	15.96%	1.587%
50	14.007	1997	1999	2006	rVB4	8515	14454	10.18%	1.012%
51	14.074	2006	2010	2016	rVB5	9738	14924	10.51%	1.045%
52	14.141	2016	2021	2027	rBV7	8578	16829	11.86%	1.179%
53	14.202	2027	2031	2033	rBV5	5554	8647	6.09%	0.606%
54	14.263	2033	2041	2051	rVV10	11378	34419	24.25%	2.411%
55	14.343	2051	2054	2056	rVB4	3493	3551	2.50%	0.249%
56	14.385	2059	2061	2062	rVV2	4605	4278	3.01%	0.300%
57	14.422	2063	2067	2071	rVV6	9794	19159	13.50%	1.342%
58	14.471	2071	2075	2081	rVB9	6635	14755	10.39%	1.034%
59	14.617	2096	2099	2100	rBV3	2612	2535	1.79%	0.178%
60	14.684	2105	2110	2113	rVV6	4387	8772	6.18%	0.614%
61	14.733	2113	2118	2123	rVB3	13287	23032	16.23%	1.613%
62	14.842	2134	2136	2137	rBV	2825	2096	1.48%	0.147%
63	14.946	2150	2153	2158	rVB5	4444	5598	3.94%	0.392%
64	15.001	2158	2162	2166	rBV7	2911	4916	3.46%	0.344%
65	15.275	2202	2207	2208	rBV5	1485	2075	1.46%	0.145%
66	16.068	2334	2337	2340	rBV4	904	1490	1.05%	0.104%

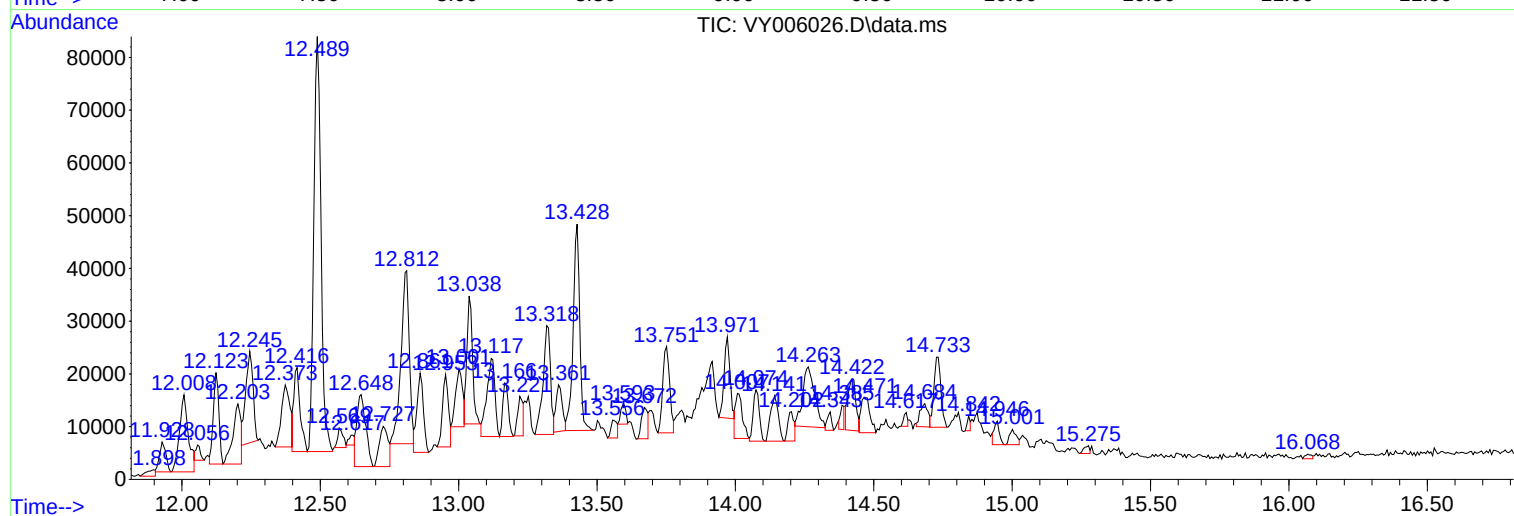
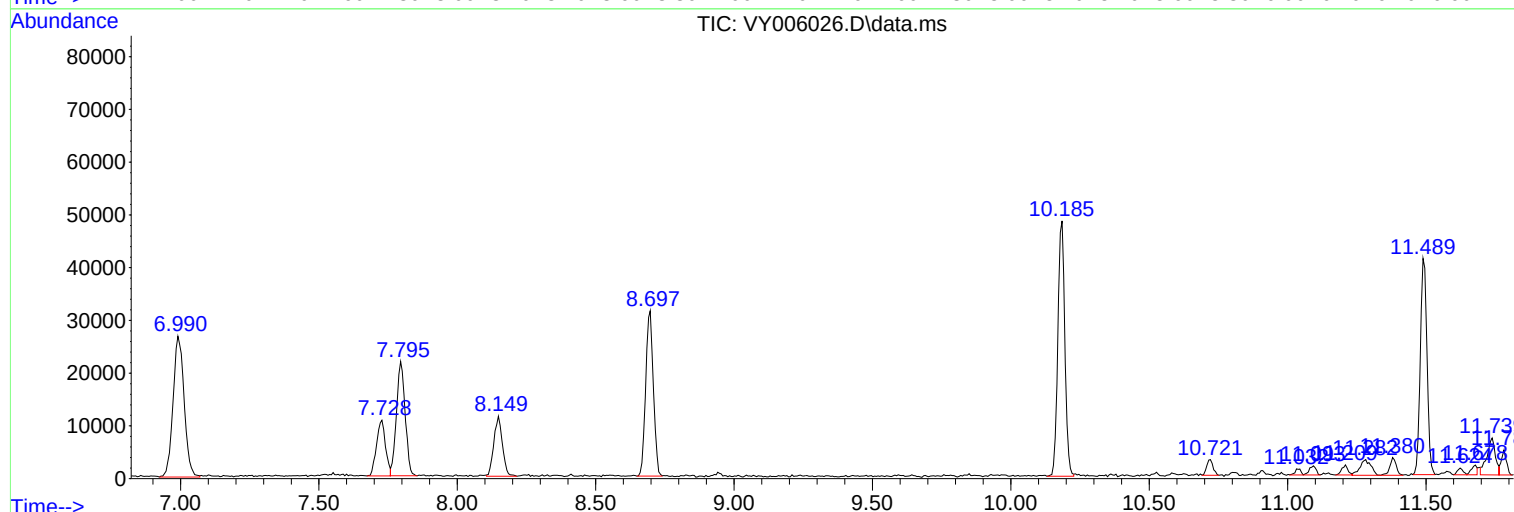
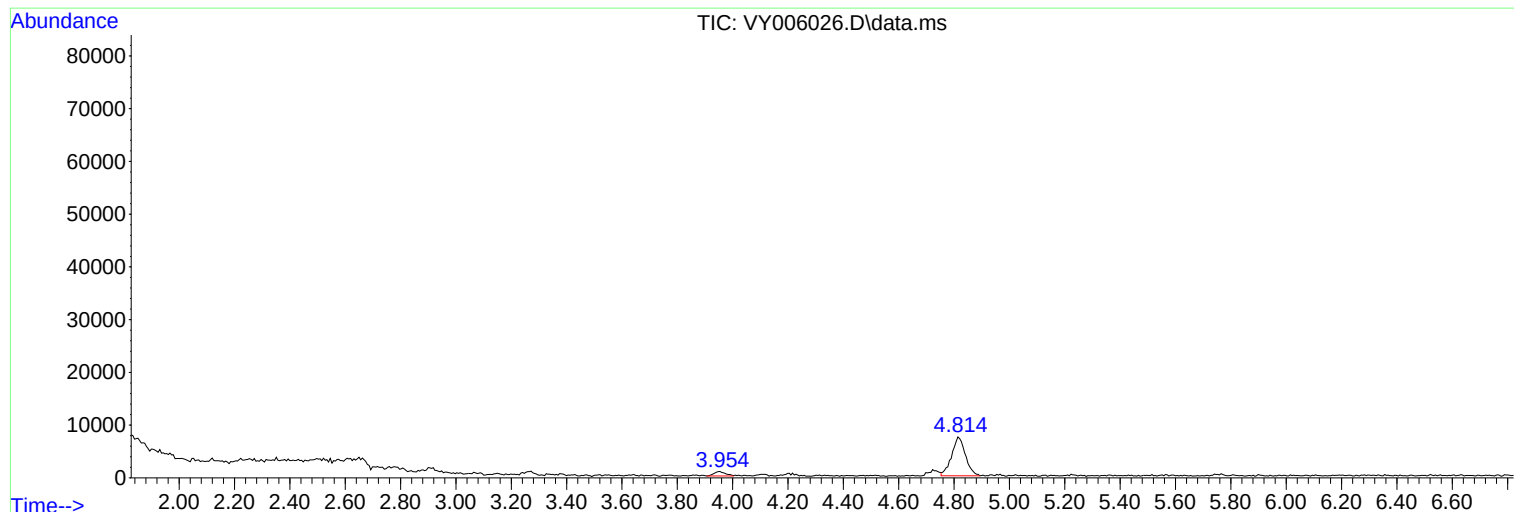
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260

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



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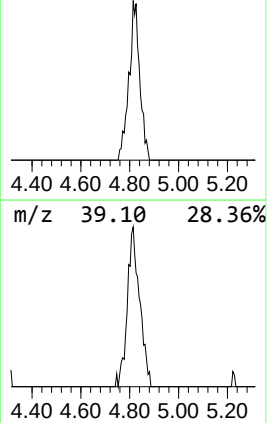
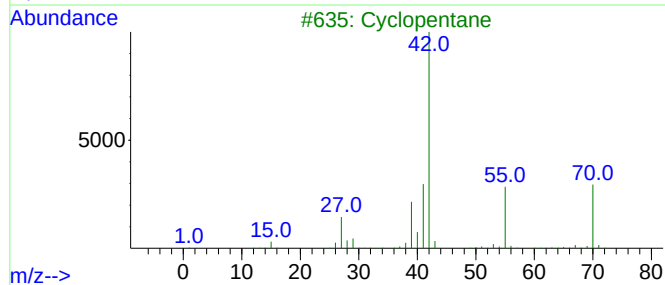
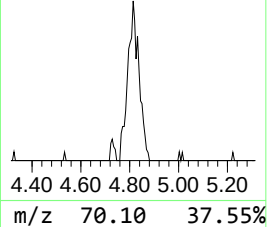
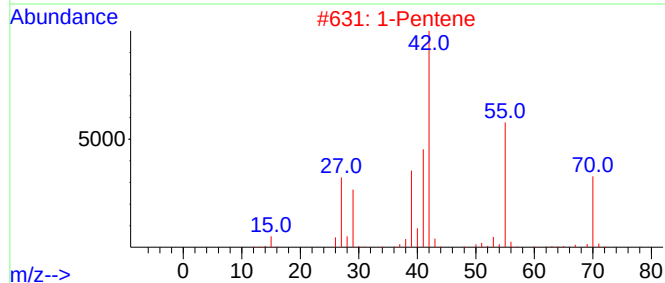
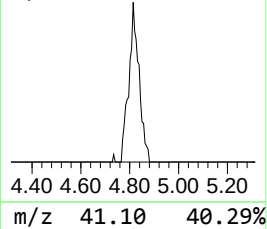
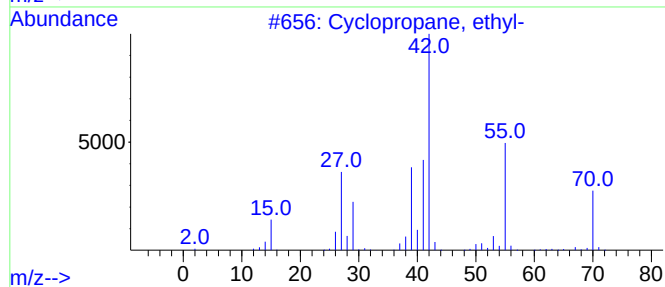
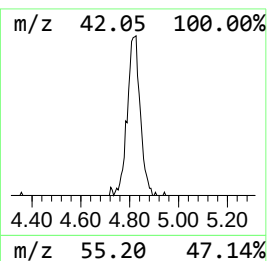
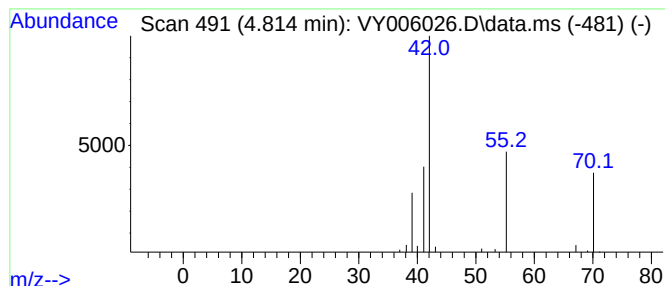
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclopropane, ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.814	26.94 ug/l	25292	Pentafluorobenzene	7.795

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopropane, ethyl-	70	C5H10	001191-96-4	83
2			1-Pentene	70	C5H10	000109-67-1	78
3			Cyclopentane	70	C5H10	000287-92-3	78
4			Cyclobutane, methyl-	70	C5H10	000598-61-8	78
5			Cyclobutanone	70	C4H6O	001191-95-3	72



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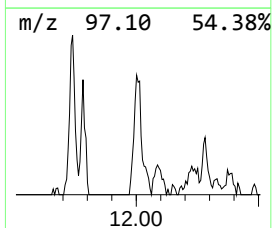
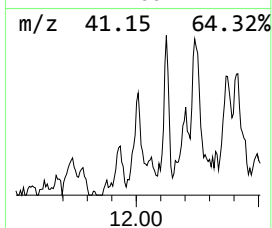
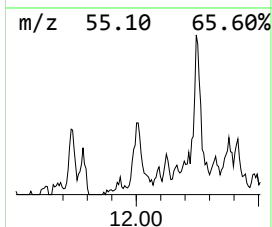
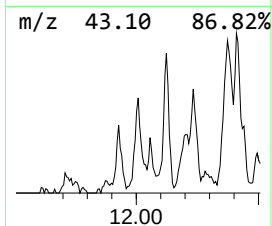
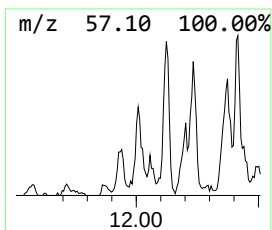
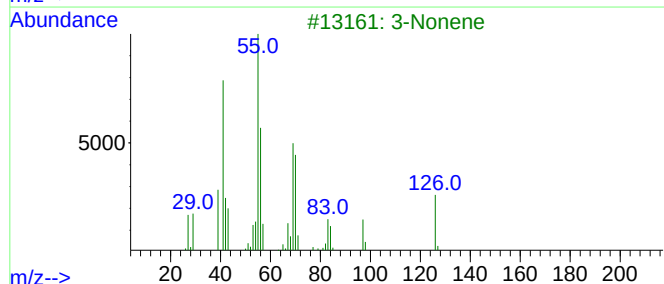
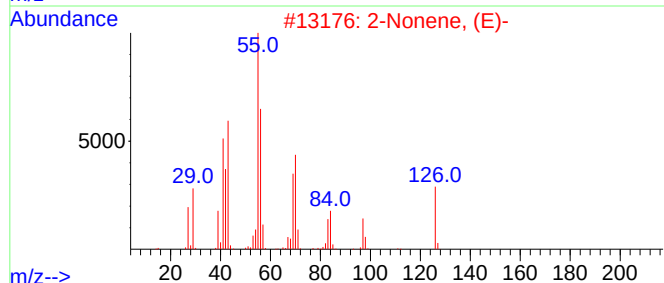
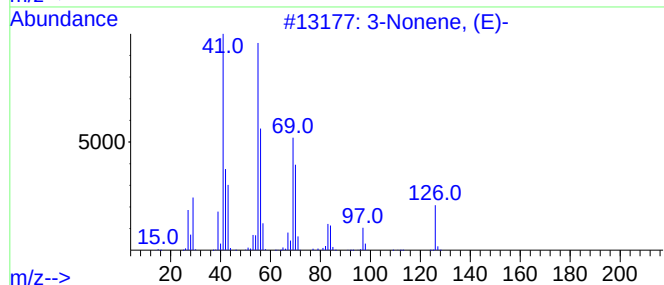
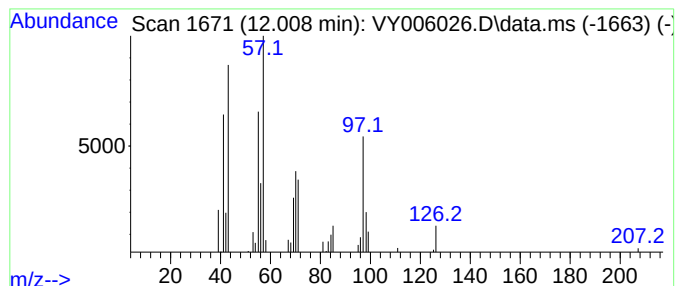
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260

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

Peak Number 2 unknown12.008 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.008	23.93 ug/l	32689	Chlorobenzene-d5	11.489

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Nonene, (E)-		126	C9H18	020063-92-7	30
2	2-Nonene, (E)-		126	C9H18	006434-78-2	30
3	3-Nonene		126	C9H18	020063-77-8	25
4	cis-2-Nonene		126	C9H18	006434-77-1	25
5	cis-3-Nonene		126	C9H18	020237-46-1	18



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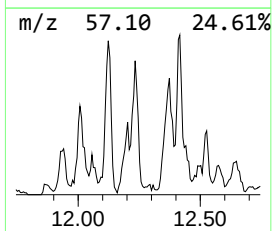
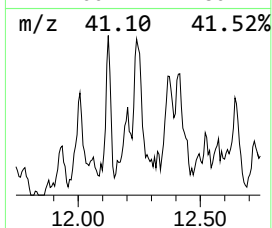
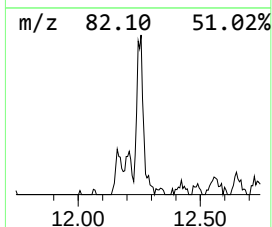
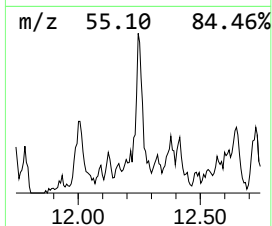
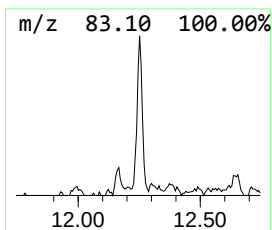
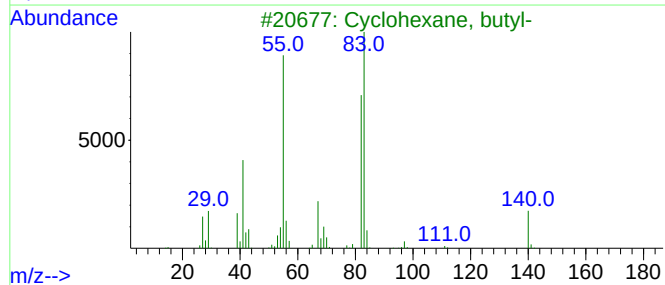
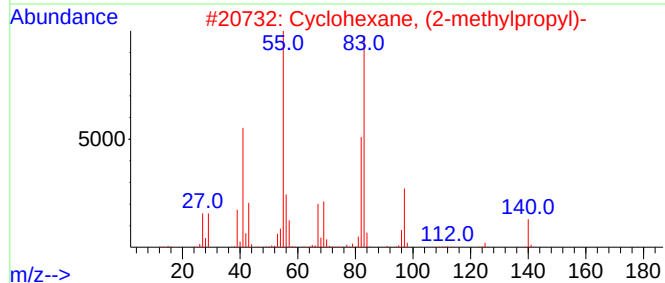
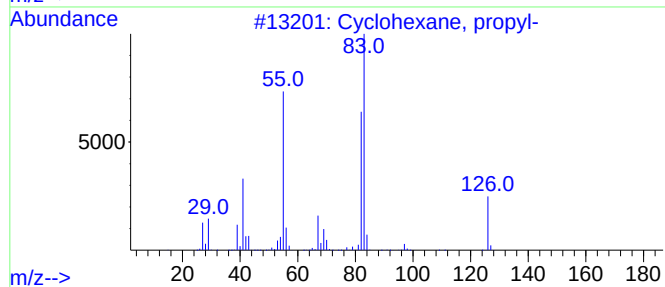
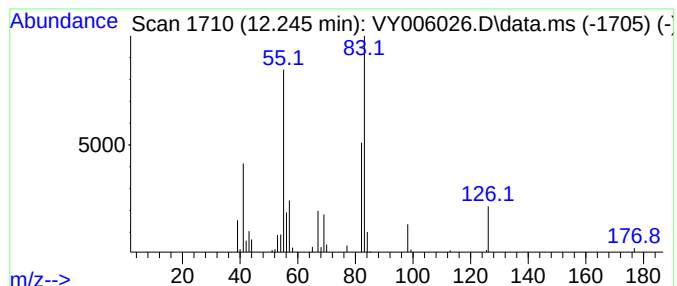
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.245	23.26 ug/l	31778	Chlorobenzene-d5	11.489

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, propyl-	126	C9H18	001678-92-8	72
2			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
3			Cyclohexane, butyl-	140	C10H20	001678-93-9	64
4			Cyclohexane, (3-methylpentyl)-	168	C12H24	061142-38-9	64
5			Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	53



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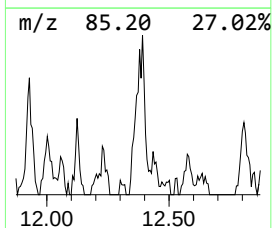
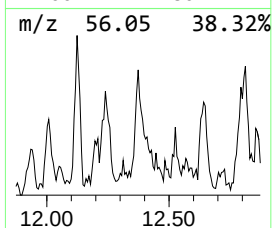
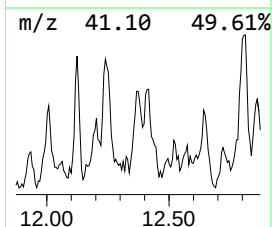
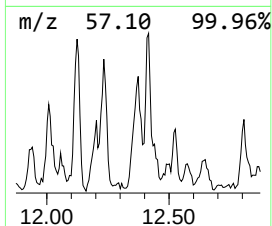
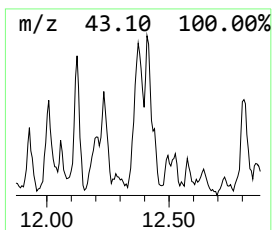
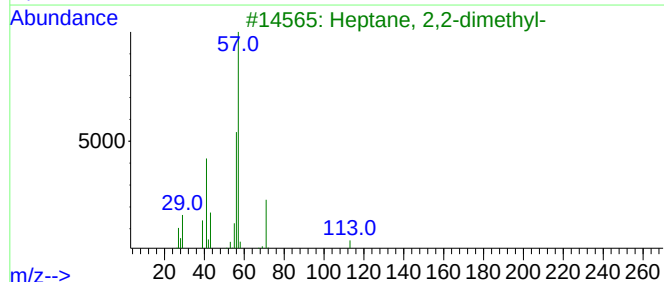
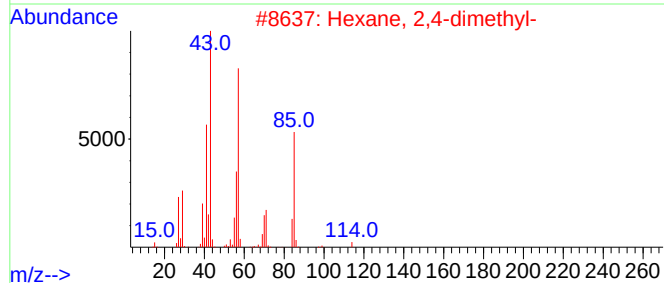
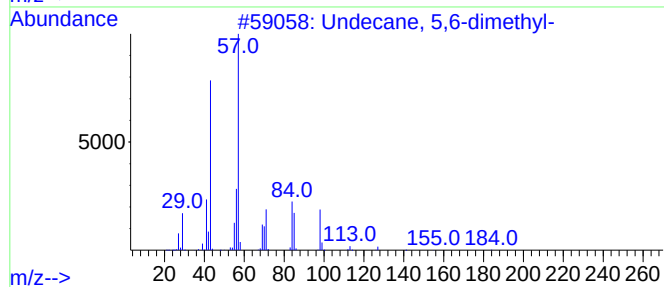
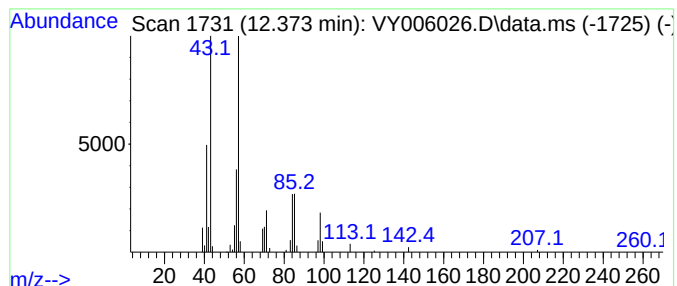
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Quant Title : SW846 8260

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

Peak Number 4 Undecane, 5,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.373	18.88 ug/l	25784	Chlorobenzene-d5	11.489

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	80
2			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
3			Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	43
4			Heptane, 4-ethyl-	128	C9H20	002216-32-2	43
5			Decane, 5-methyl-	156	C11H24	013151-35-4	43



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Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-01-(25-27)

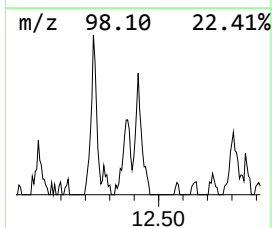
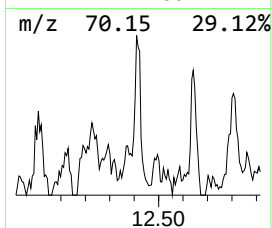
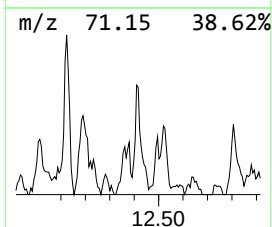
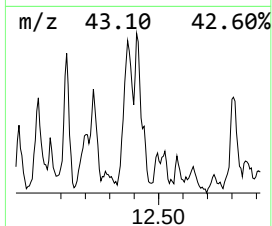
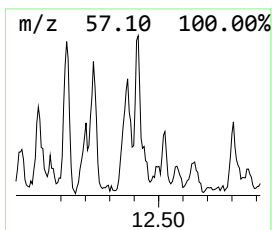
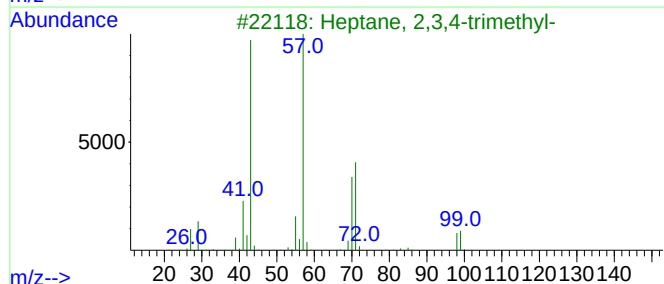
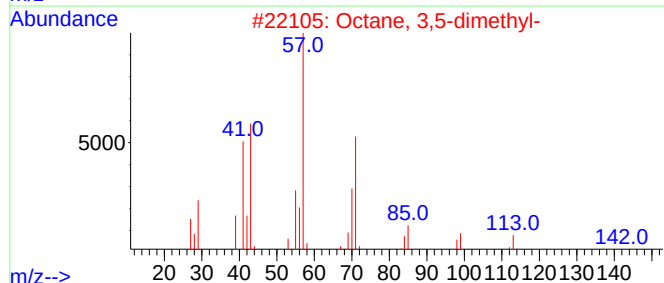
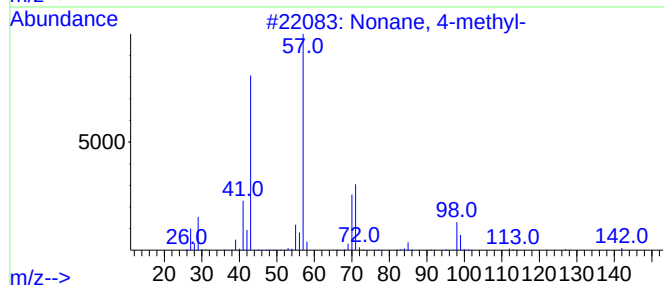
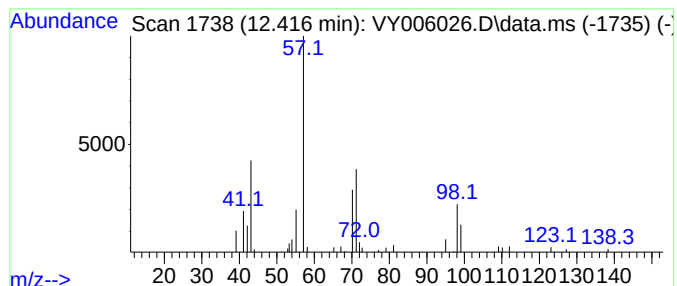
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Quant Title : SW846 8260

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

Peak Number 5 Nonane, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	18.25 ug/l	24935	Chlorobenzene-d5	11.489

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4-methyl-	142	C10H22	017301-94-9	72
2			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	50
3			Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	45
4			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	40
5			Heptane, 3-ethyl-	128	C9H20	015869-80-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
Data File : VY006026.D
Acq On : 15 Sep 2021 16:04
Operator : SY/MD
Sample : M3733-06
Misc : 6.25G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-01-(25-27)

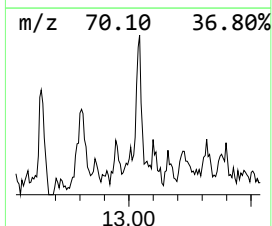
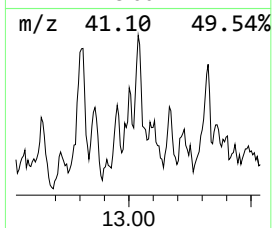
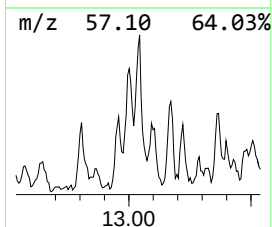
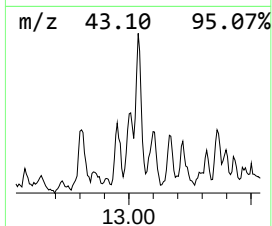
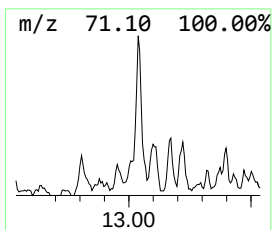
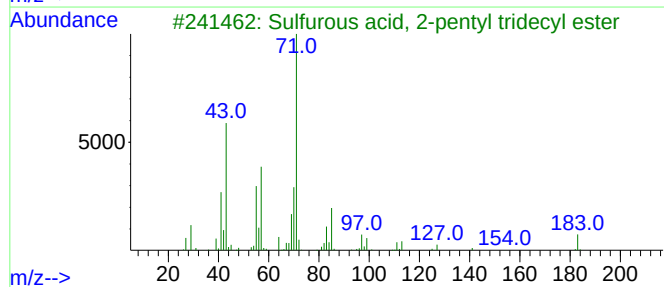
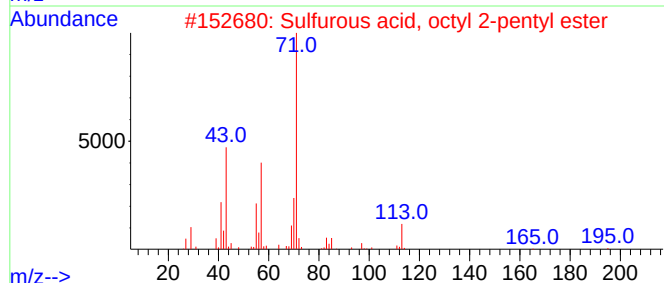
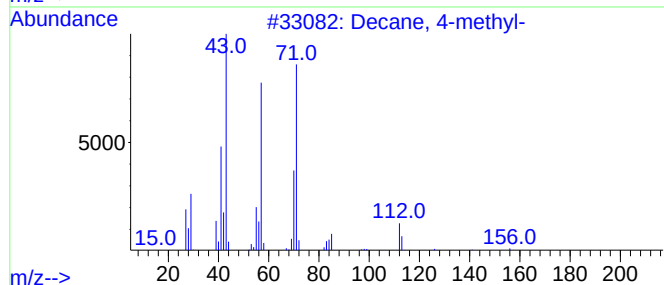
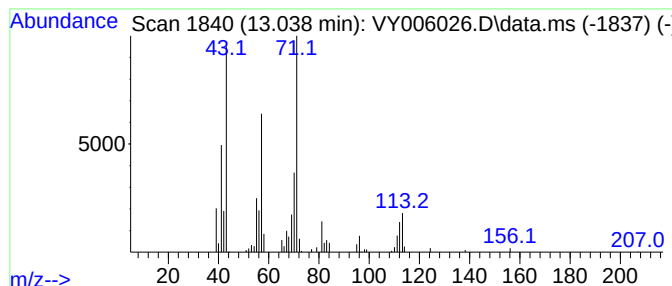
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Quant Title : SW846 8260

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

Peak Number 6 Decane, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.038	26.11 ug/l	33884	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	87
2			Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	64
3			Sulfurous acid, 2-pentyl tridecy...	334	C18H38O3S	1000309-16-2	64
4			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
5			4-Methyl-3-heptanol, chlorodiflu...	242	C10H17ClF2O2	1000447-28-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
Data File : VY006026.D
Acq On : 15 Sep 2021 16:04
Operator : SY/MD
Sample : M3733-06
Misc : 6.25G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-01-(25-27)

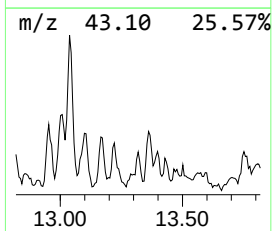
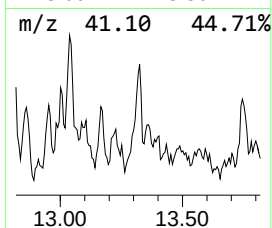
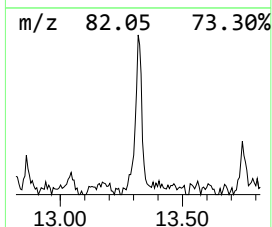
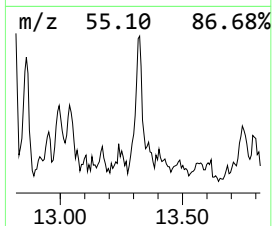
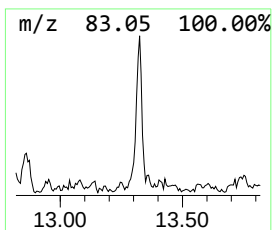
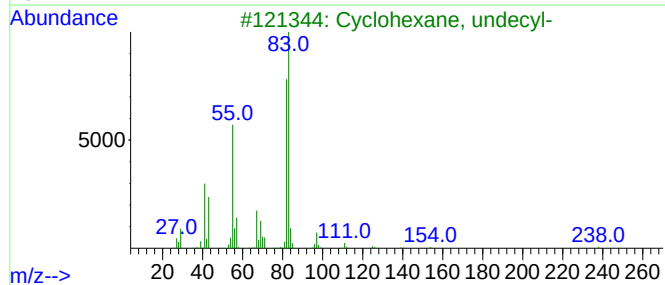
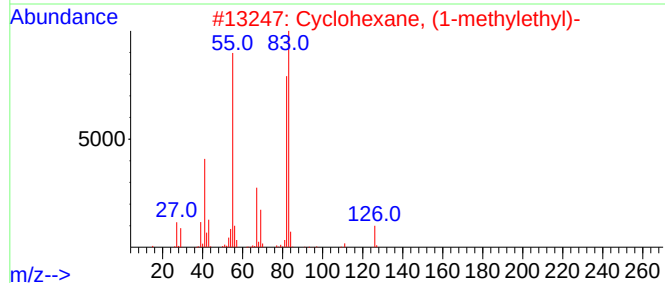
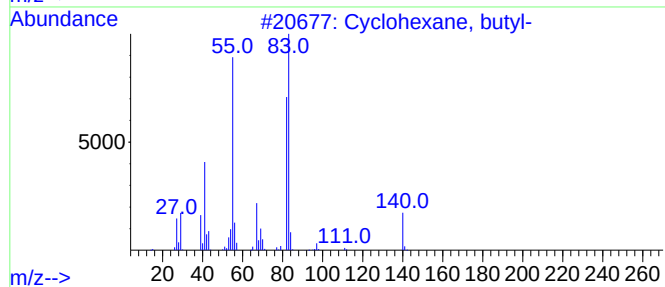
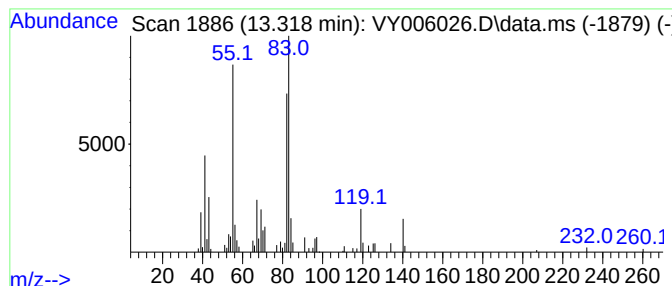
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Quant Title : SW846 8260

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

Peak Number 7 Cyclohexane, butyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.318	29.96 ug/l	38878	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	87
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
3			Cyclohexane, undecyl-	238	C17H34	054105-66-7	64
4			Cyclohexane, hexyl-	168	C12H24	004292-75-5	64
5			Cyclohexane, octyl-	196	C14H28	001795-15-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
Data File : VY006026.D
Acq On : 15 Sep 2021 16:04
Operator : SY/MD
Sample : M3733-06
Misc : 6.25G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-01-(25-27)

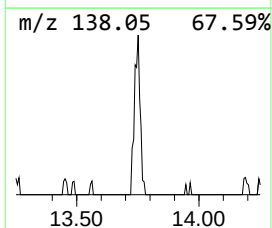
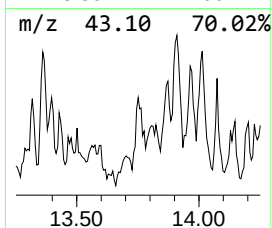
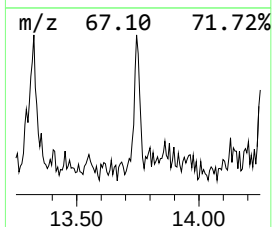
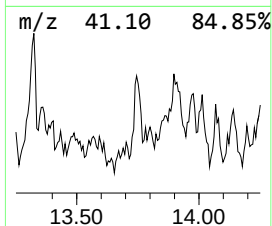
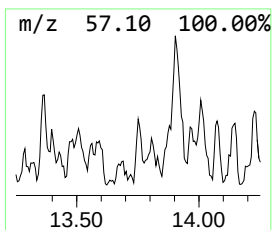
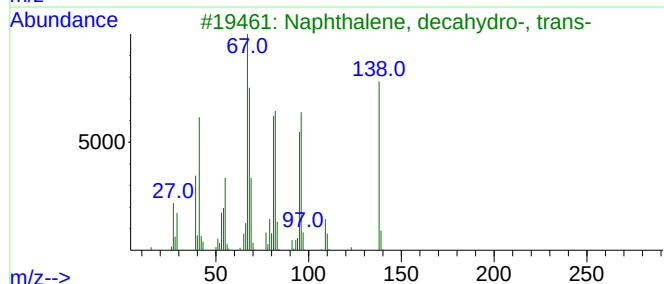
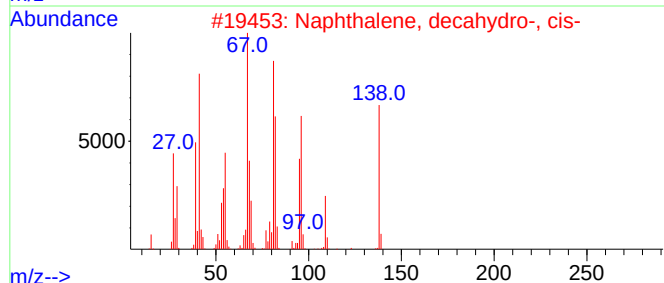
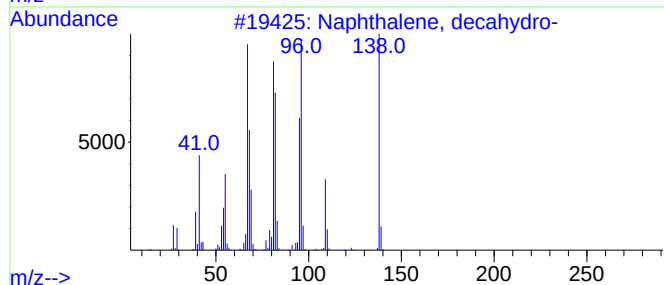
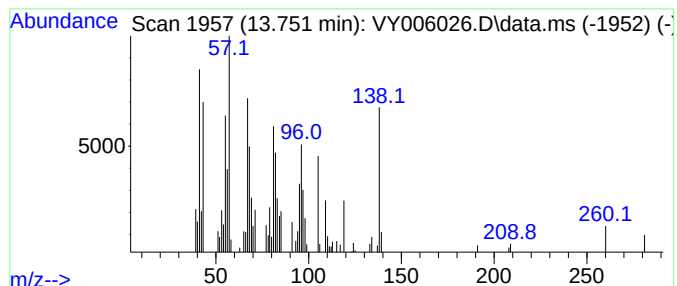
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Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, decahydro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	21.94 ug/l	28481	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-	138	C10H18	000091-17-8	93
2			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	91
3			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	91
4			1H-Inden-1-one, octahydro-	138	C9H14O	029927-85-3	64
5			Spiro[4.5]decane	138	C10H18	000176-63-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
Data File : VY006026.D
Acq On : 15 Sep 2021 16:04
Operator : SY/MD
Sample : M3733-06
Misc : 6.25G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-01-(25-27)

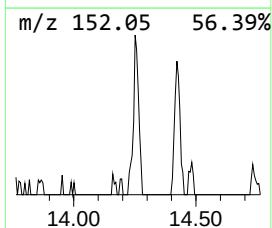
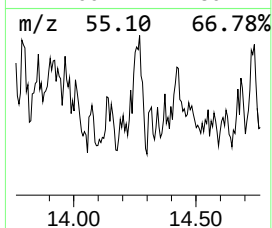
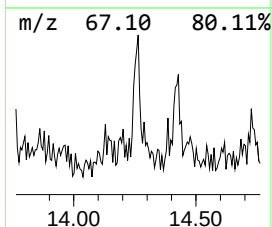
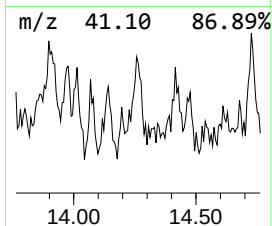
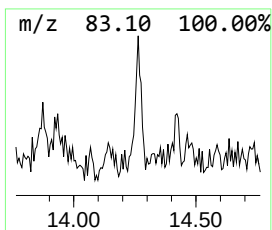
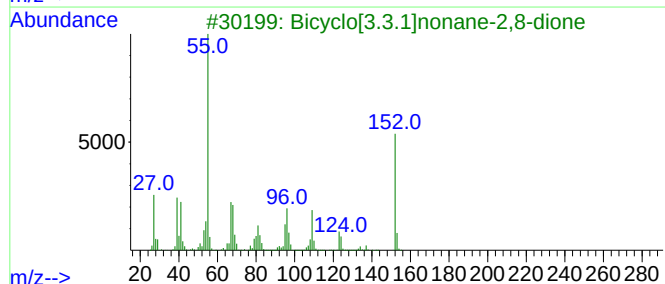
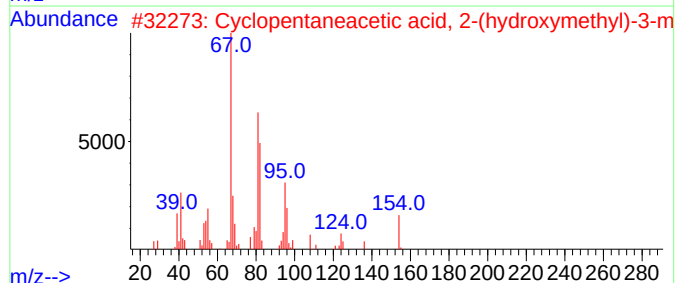
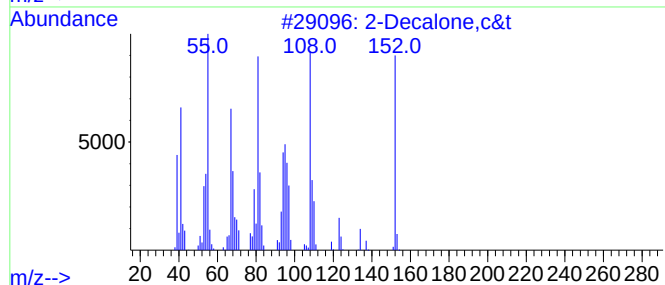
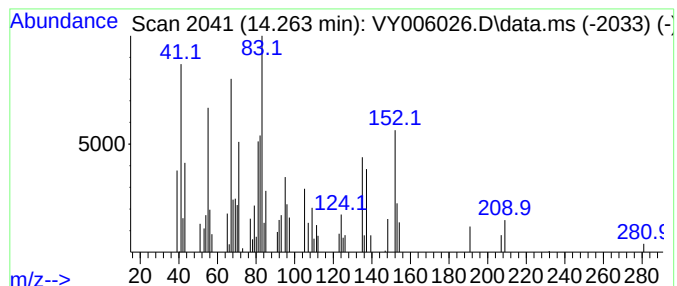
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Quant Title : SW846 8260

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

Peak Number 9 unknown14.263 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.263	26.52 ug/l	34419	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decalone,c&t			152	C10H16O	004832-17-1	47
2	Cyclopentaneacetic acid, 2-(hydr...			154	C9H14O2	105181-38-2	35
3	Bicyclo[3.3.1]nonane-2,8-dione			152	C9H12O2	160651-01-4	18
4	3-Hexyne			82	C6H10	000928-49-4	15
5	Cyclohexane, 1,3-dimethyl-2-meth...			124	C9H16	019781-47-6	15



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
Data File : VY006026.D
Acq On : 15 Sep 2021 16:04
Operator : SY/MD
Sample : M3733-06
Misc : 6.25G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-01-(25-27)

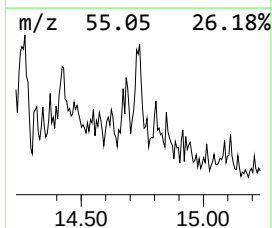
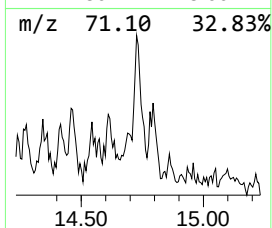
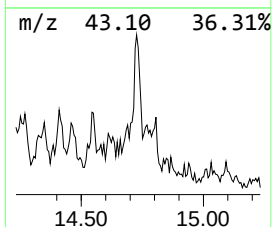
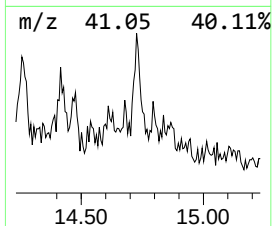
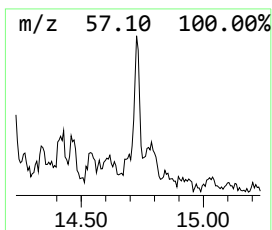
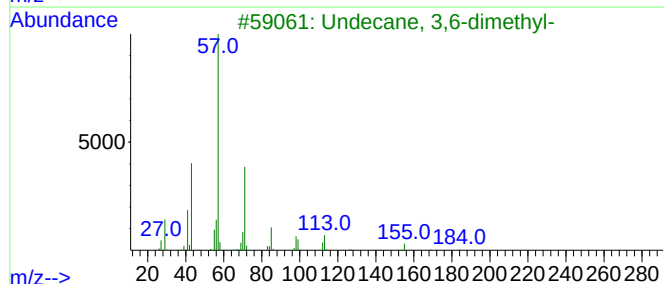
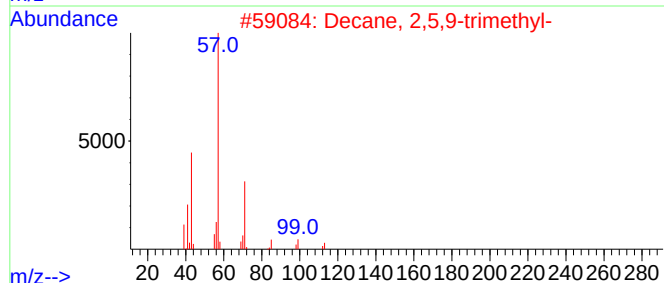
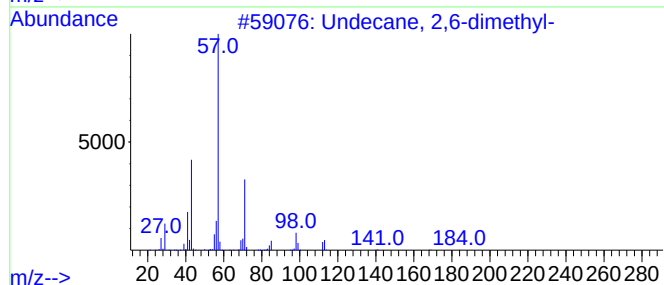
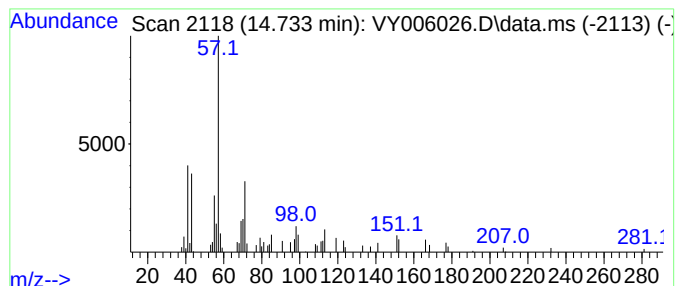
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260

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

Peak Number 10 Undecane, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.733	17.75 ug/l	23032	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	53
2			Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	50
3			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	50
4			Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	47
5			Dodecane, 6-methyl-	184	C13H28	006044-71-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
Data File : VY006026.D
Acq On : 15 Sep 2021 16:04
Operator : SY/MD
Sample : M3733-06
Misc : 6.25G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-01-(25-27)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260

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

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					#	RT	Resp	Conc
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unknown12.008	12.008	23.9	ug/l	32689	3	11.489	68298	50.0
Cyclohexane, pr...	12.245	23.3	ug/l	31778	3	11.489	68298	50.0
Undecane, 5,6-d...	12.373	18.9	ug/l	25784	3	11.489	68298	50.0
Nonane, 4-methyl-	12.416	18.3	ug/l	24935	3	11.489	68298	50.0
Decane, 4-methyl-	13.038	26.1	ug/l	33884	4	13.428	64893	50.0
Cyclohexane, bu...	13.318	30.0	ug/l	38878	4	13.428	64893	50.0
Naphthalene, de...	13.751	21.9	ug/l	28481	4	13.428	64893	50.0
unknown14.263	14.263	26.5	ug/l	34419	4	13.428	64893	50.0
Undecane, 2,6-d...	14.733	17.8	ug/l	23032	4	13.428	64893	50.0