

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
 Data File : VD070384.D
 Acq On : 20 Sep 2021 15:17
 Operator : VA/SY
 Sample : M3798-03
 Misc : 6.54G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NAPL-07-(15-18)

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\82D090821S.M
 Title : SW846 8260

Signal : TIC: VD070384.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.209	887	899	915	rBV	965051	2537438	11.01%	1.084%
2	7.914	1009	1019	1024	rBV	361490	887772	3.85%	0.379%
3	7.979	1024	1030	1039	rVB	570038	1297438	5.63%	0.554%
4	8.326	1080	1089	1102	rVB	297547	660126	2.86%	0.282%
5	8.503	1105	1119	1131	rBV	197992	502439	2.18%	0.215%
6	8.861	1171	1180	1192	rBV	973547	1926760	8.36%	0.823%
7	10.108	1383	1392	1405	rBV3	90859	245523	1.07%	0.105%
8	10.332	1423	1430	1446	rBV	1840966	3572514	15.50%	1.526%
9	10.673	1483	1488	1496	rVB2	146151	273635	1.19%	0.117%
10	10.861	1515	1520	1526	rVB2	191978	328209	1.42%	0.140%
11	10.944	1526	1534	1542	rVB	365063	648254	2.81%	0.277%
12	11.050	1542	1552	1559	rBV	418789	907562	3.94%	0.388%
13	11.120	1559	1564	1569	rBV2	340776	574932	2.49%	0.246%
14	11.185	1570	1575	1579	rBV	475203	708399	3.07%	0.303%
15	11.238	1579	1584	1590	rVB	791150	1320609	5.73%	0.564%
16	11.350	1597	1603	1607	rBV	936980	1553744	6.74%	0.664%
17	11.414	1607	1614	1616	rBV3	763460	1439943	6.25%	0.615%
18	11.444	1616	1619	1627	rVB	1242730	2168168	9.41%	0.926%
19	11.520	1627	1632	1643	rVB	1110425	1939253	8.42%	0.829%
20	11.638	1643	1652	1660	rBV	1957033	3858205	16.74%	1.648%
21	11.708	1660	1664	1670	rBV2	201991	330181	1.43%	0.141%
22	11.773	1670	1675	1678	rBV	1015342	1629461	7.07%	0.696%
23	11.826	1678	1684	1688	rBV3	1072586	1905296	8.27%	0.814%
24	11.879	1688	1693	1698	rBV	4137758	7488279	32.50%	3.199%
25	11.926	1698	1701	1706	rVB2	2481229	3784150	16.42%	1.617%
26	11.985	1706	1711	1712	rBV2	306240	424289	1.84%	0.181%
27	12.014	1712	1716	1718	rBV	311788	444483	1.93%	0.190%
28	12.073	1718	1726	1731	rVB4	2467027	4692380	20.36%	2.005%
29	12.144	1731	1738	1745	rBV4	7950036	18077228	78.45%	7.723%
30	12.197	1745	1747	1750	rVB2	1133827	1114645	4.84%	0.476%
31	12.261	1750	1758	1762	rVB	6921340	11907248	51.67%	5.087%
32	12.344	1762	1772	1774	rBV4	5512082	13187900	57.23%	5.634%
33	12.391	1774	1780	1789	rVB5	6566296	16009441	69.47%	6.840%
34	12.514	1795	1801	1805	rBV5	3022864	6757554	29.32%	2.887%
35	12.626	1814	1820	1825	rBV3	3865321	6534778	28.36%	2.792%
36	12.708	1825	1834	1838	rBV6	2961695	7462587	32.38%	3.188%

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37	12.749	1839	1841	1843	rVV2	2115452	2782922	12.08%	1.189%
38	12.785	1843	1847	1855	rVB3	6121006	12617572	54.75%	5.391%
39	12.867	1855	1861	1865	rBV3	3207935	6978919	30.29%	2.982%
40	12.949	1866	1875	1880	rVV3	9013373	23044122	100.00%	9.845%
41	12.997	1880	1883	1889	rVB2	4561582	7503520	32.56%	3.206%
42	13.085	1894	1898	1902	rVV2	3268291	4895622	21.24%	2.092%
43	13.132	1902	1906	1909	rVV3	2833226	4849650	21.05%	2.072%
44	13.173	1909	1913	1921	rVB2	5405334	9349313	40.57%	3.994%
45	13.302	1931	1935	1939	rVB	1407876	1843170	8.00%	0.787%
46	13.385	1946	1949	1953	rVB3	1513464	2078400	9.02%	0.888%
47	13.455	1953	1961	1965	rVV	5071118	10172186	44.14%	4.346%
48	13.491	1965	1967	1971	rVV4	1558131	2017165	8.75%	0.862%
49	13.561	1975	1979	1988	rVB	2080428	4351003	18.88%	1.859%
50	13.632	1989	1991	1994	rBV2	208296	260781	1.13%	0.111%
51	13.832	2017	2025	2029	rBV2	582102	1443462	6.26%	0.617%
52	13.885	2029	2034	2039	rBV2	3058374	5218002	22.64%	2.229%
53	13.985	2047	2051	2055	rBV3	400020	723229	3.14%	0.309%
54	14.102	2067	2071	2077	rVB	1139417	1821573	7.90%	0.778%
55	14.208	2084	2089	2095	rVB4	404330	838598	3.64%	0.358%
56	14.273	2095	2100	2106	rBV6	367743	676293	2.93%	0.289%
57	14.396	2116	2121	2123	rBV3	537918	836345	3.63%	0.357%
58	14.508	2136	2140	2143	rBV	168915	260227	1.13%	0.111%
59	14.802	2185	2190	2197	rVV4	187234	397746	1.73%	0.170%

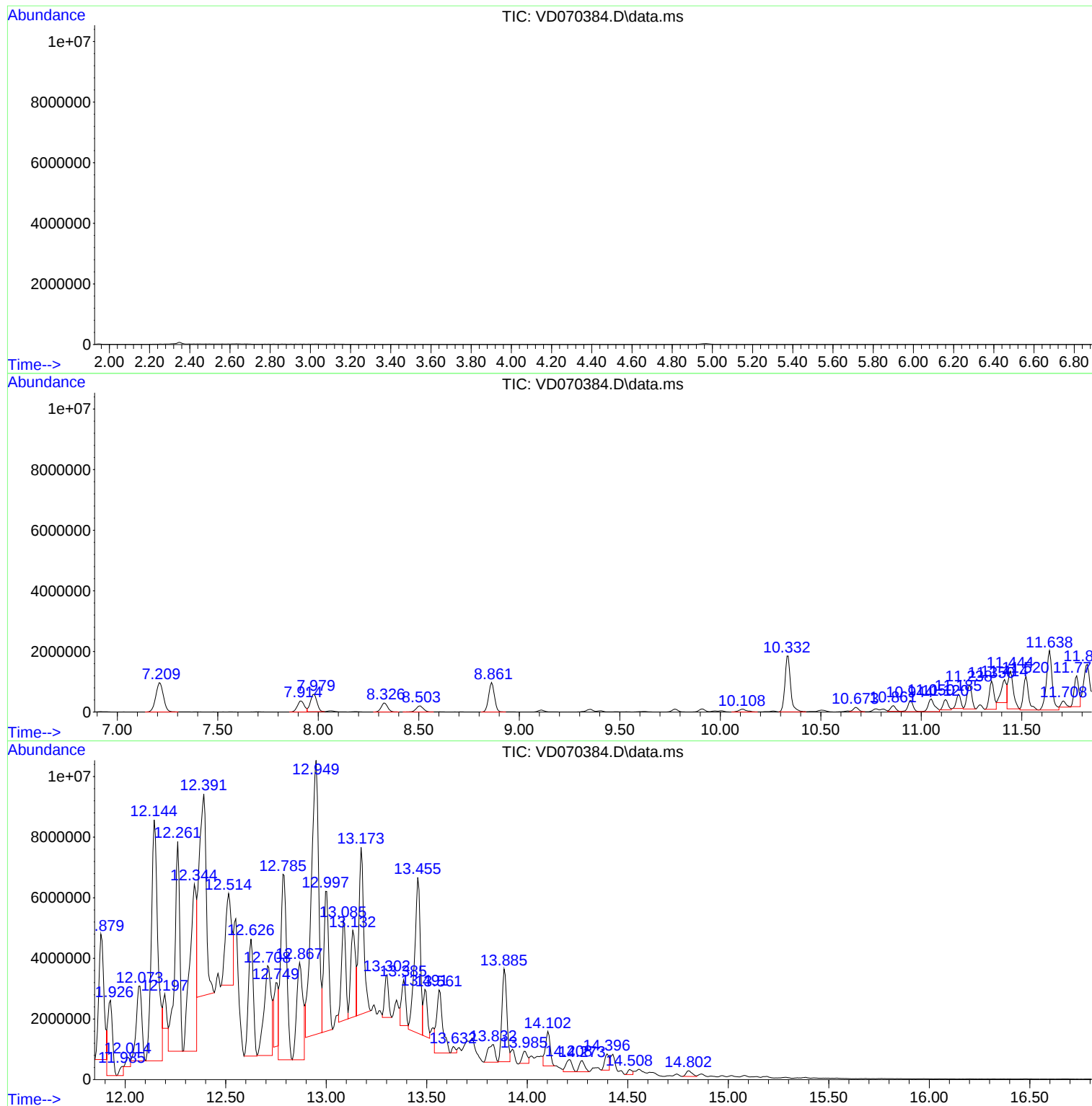
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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ClientSampleId :
NAPL-07-(15-18)

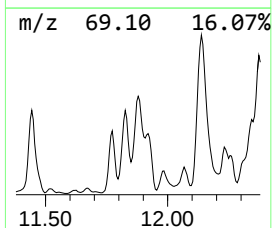
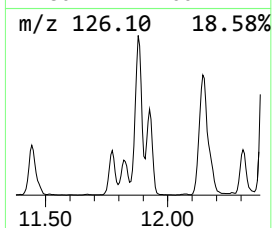
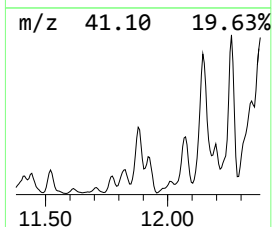
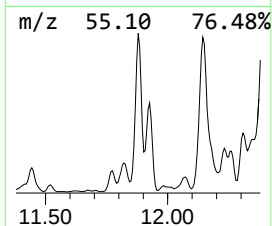
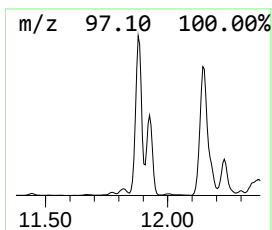
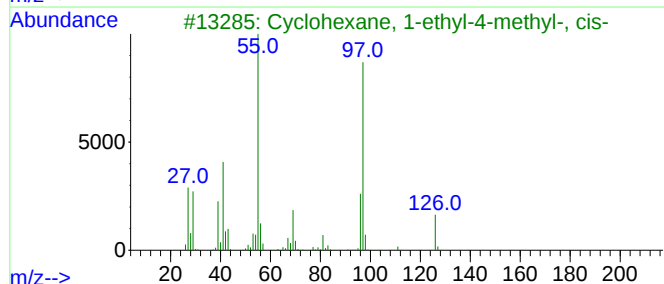
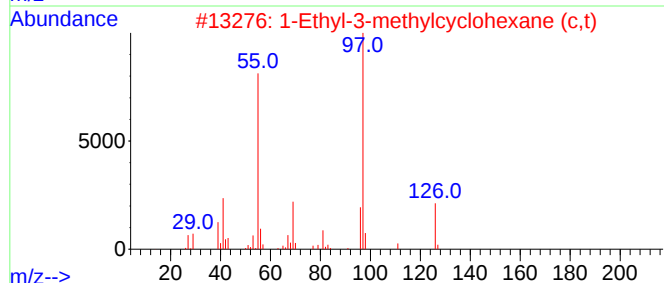
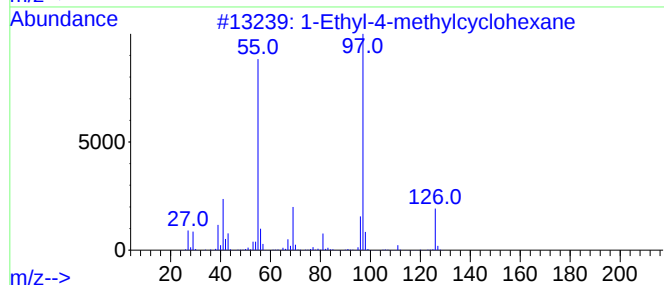
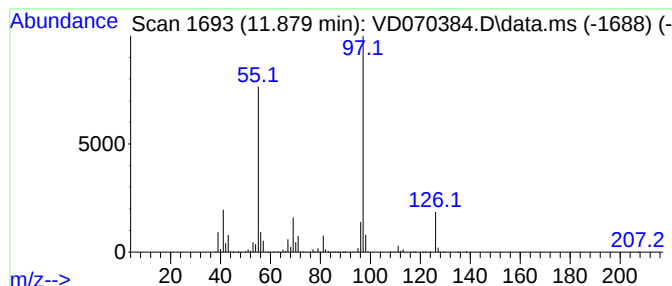
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

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

Peak Number 1 1-Ethyl-4-methylcyclohexane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.879	97.04 ug/l	7488280	Chlorobenzene-d5	11.638

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	95
2			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
4			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	87
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	87



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Instrument :
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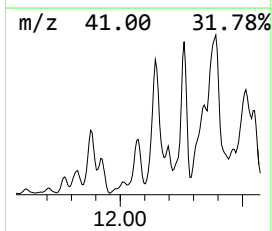
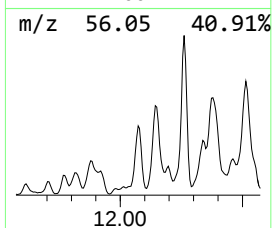
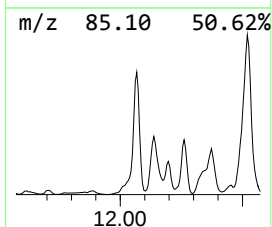
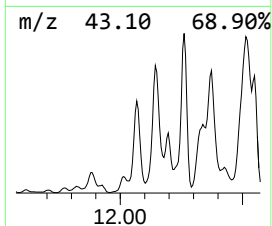
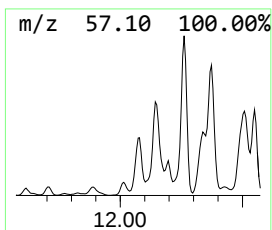
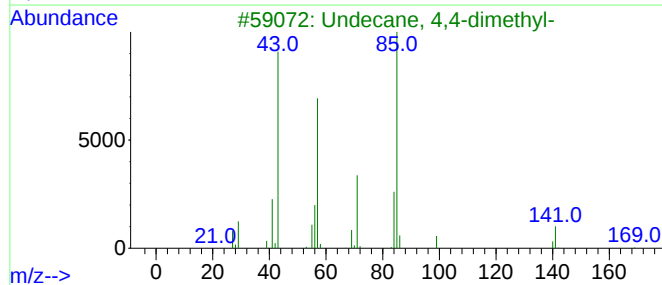
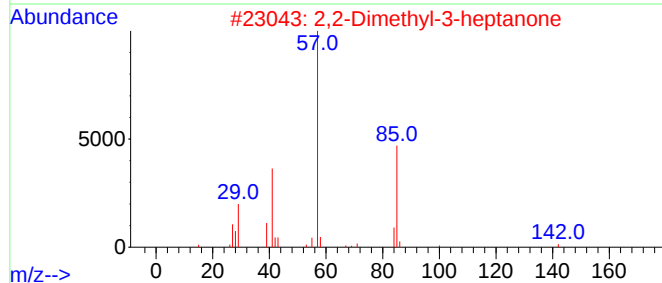
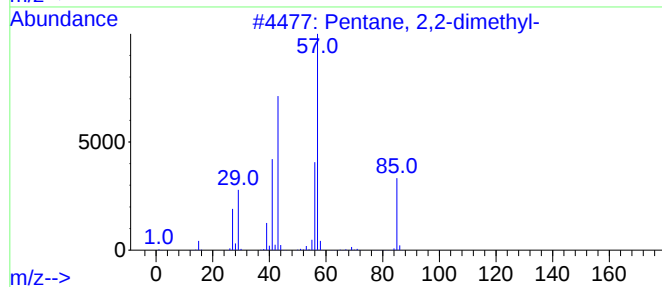
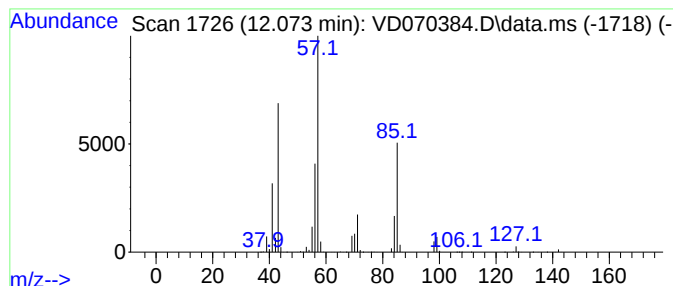
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

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

Peak Number 2 Pentane, 2,2-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.073	60.81 ug/l	4692380	Chlorobenzene-d5	11.638

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59
2			2,2-Dimethyl-3-heptanone	142	C9H18O	019078-97-8	46
3			Undecane, 4,4-dimethyl-	184	C13H28	017312-68-4	43
4			5-Nonanol, trimethylacetate	228	C14H28O2	1000463-48-2	43
5			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	43



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Misc : 6.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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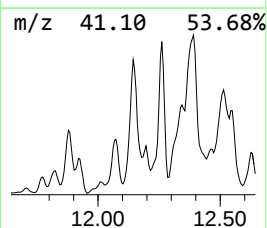
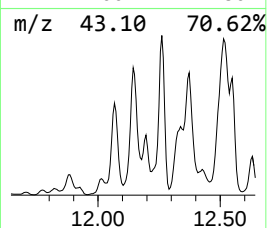
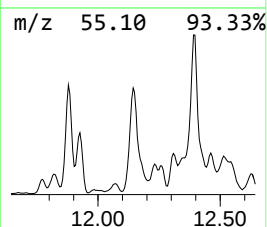
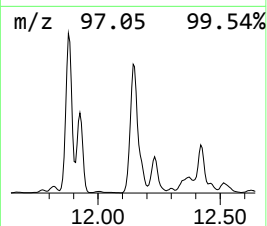
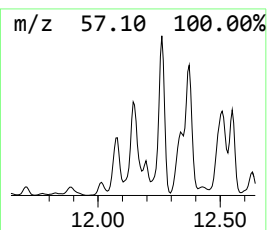
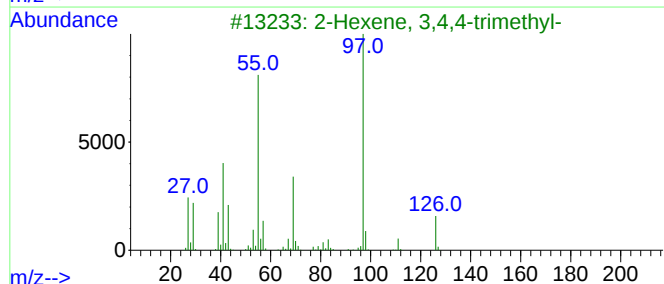
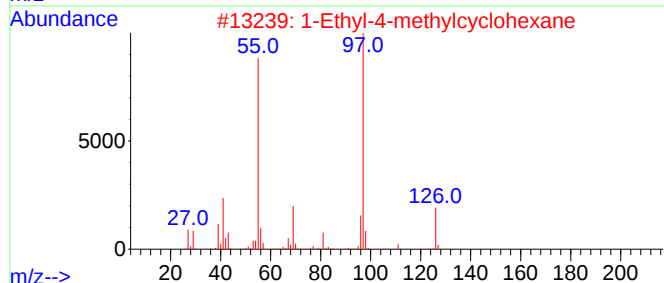
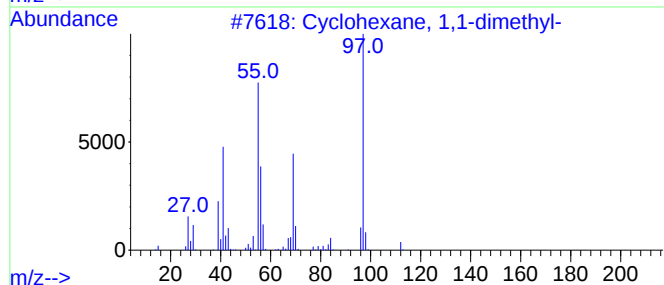
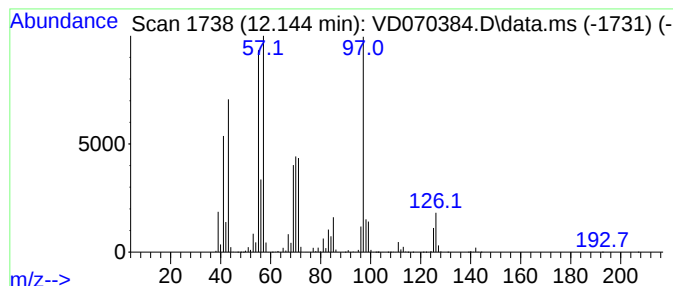
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

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

Peak Number 3 unknown12.144 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.144	234.27 ug/l	18077200	Chlorobenzene-d5	11.638

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	38
2			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	38
3			2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	38
4			Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	35
5			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	30



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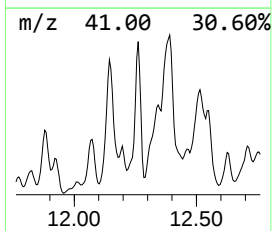
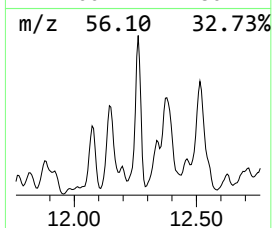
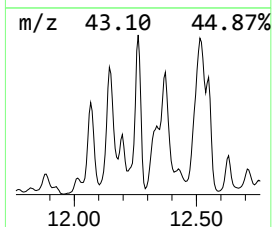
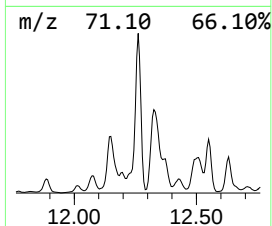
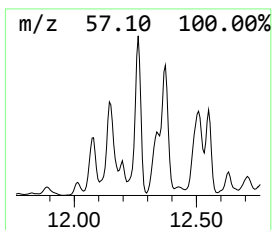
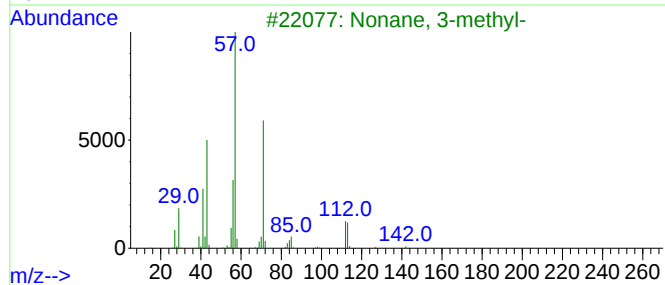
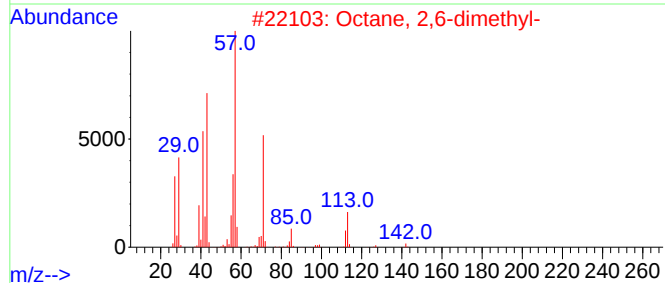
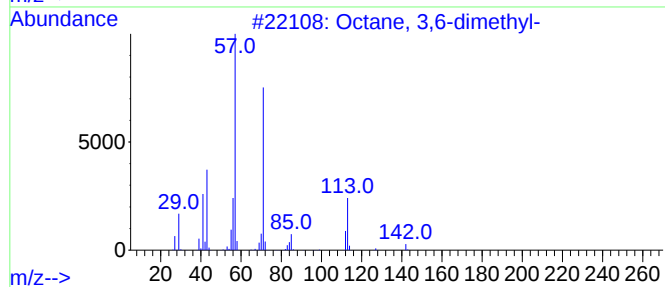
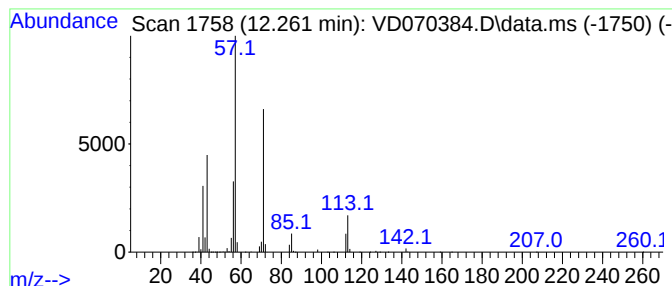
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

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

Peak Number 4 Octane, 3,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.261	154.31 ug/l	11907200	Chlorobenzene-d5	11.638

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
4			Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
5			Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53



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ClientSampleId :
NAPL-07-(15-18)

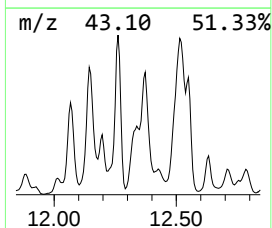
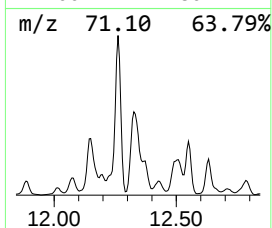
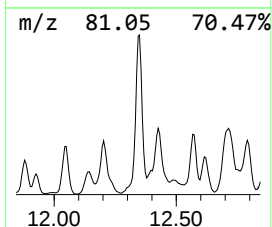
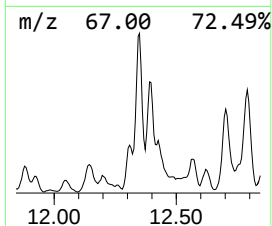
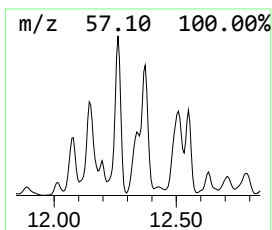
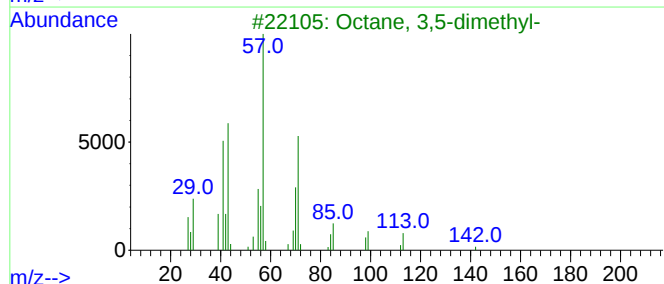
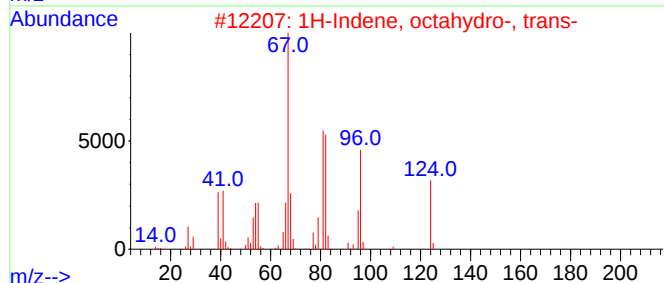
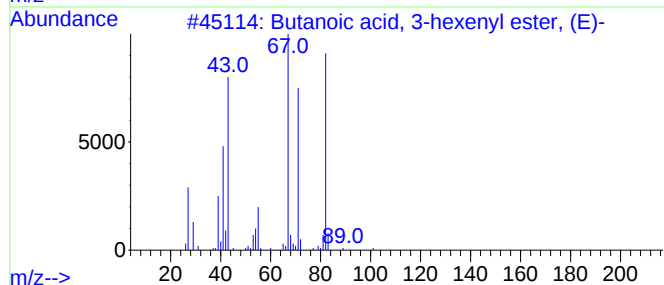
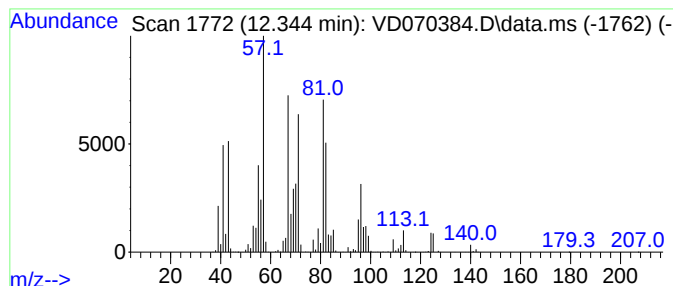
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Quant Title : SW846 8260

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

Peak Number 5 unknown12.344 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.344	170.91 ug/l	13187900	Chlorobenzene-d5	11.638

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butanoic acid, 3-hexenyl ester, ...	170	C10H18O2	053398-84-8	43
2			1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	43
3			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	42
4			Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	38
5			1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070384.D
Acq On : 20 Sep 2021 15:17
Operator : VA/SY
Sample : M3798-03
Misc : 6.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(15-18)

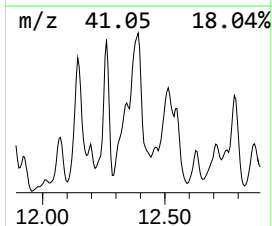
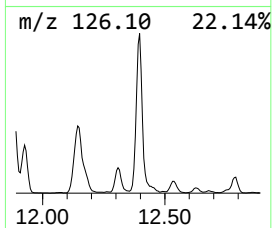
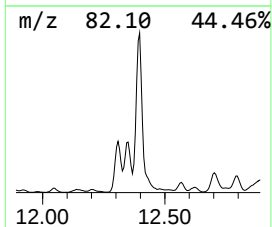
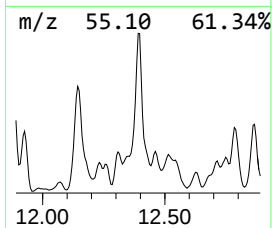
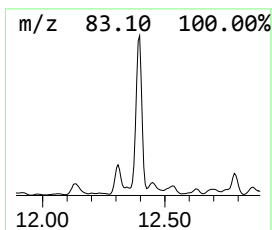
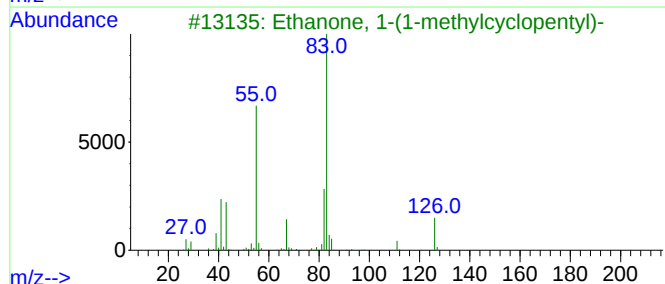
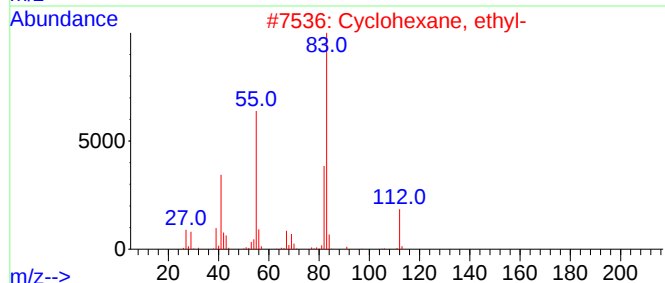
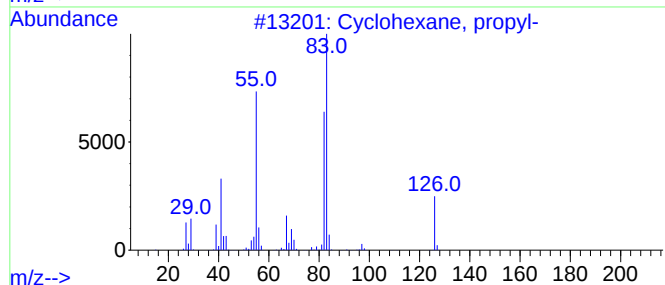
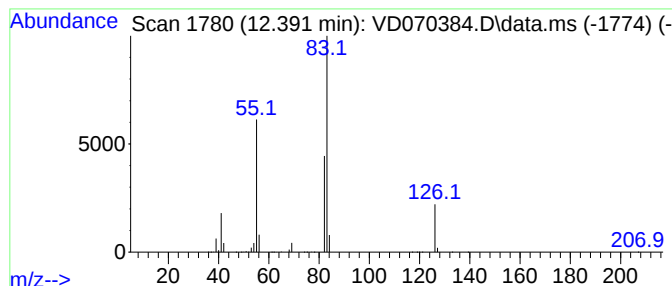
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Quant Title : SW846 8260

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

Peak Number 6 Cyclohexane, propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.391	207.47 ug/l	16009400	Chlorobenzene-d5	11.638

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, propyl-	126	C9H18	001678-92-8	90
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
3			Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	59
4			Oxalic acid, cyclohexyl undecyl ...	326	C19H34O4	1000309-31-3	50
5			Oxalic acid, cyclohexyl octyl ester	284	C16H28O4	1000309-31-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070384.D
Acq On : 20 Sep 2021 15:17
Operator : VA/SY
Sample : M3798-03
Misc : 6.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(15-18)

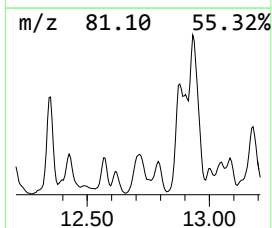
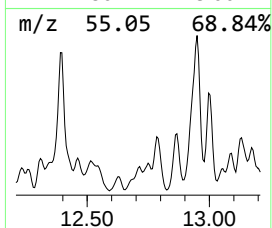
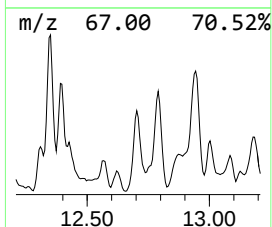
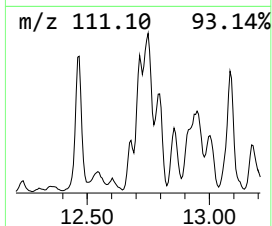
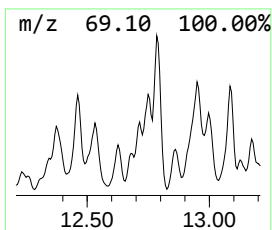
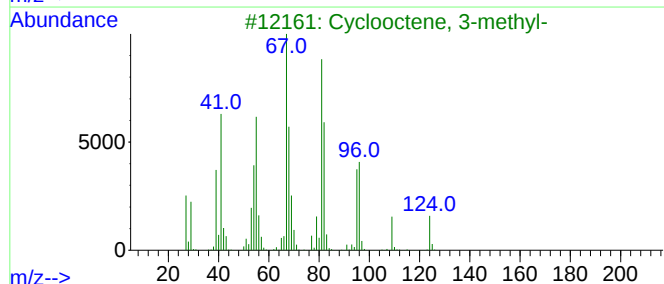
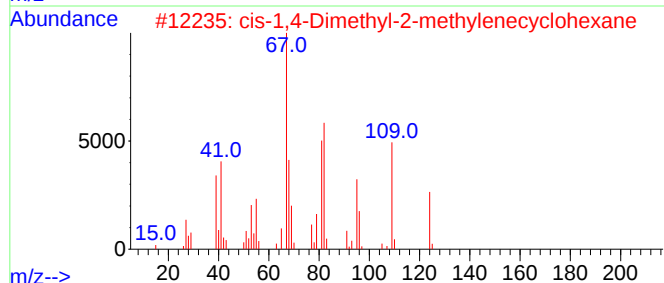
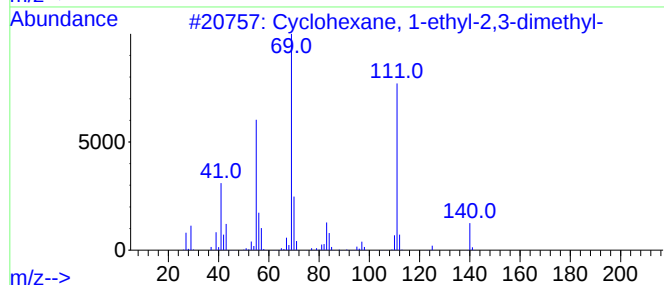
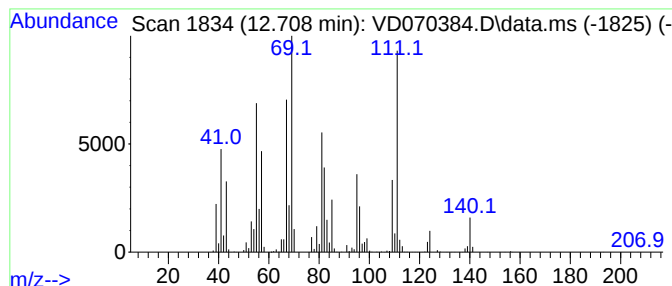
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Quant Title : SW846 8260

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

Peak Number 7 Cyclohexane, 1-ethyl-2,3-di... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.708	85.76 ug/l	7462590	1,4-Dichlorobenzene-d4	13.567

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	50
2			cis-1,4-Dimethyl-2-methylenecycl...	124	C9H16	019781-46-5	38
3			Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	38
4			1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	35
5			2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070384.D
Acq On : 20 Sep 2021 15:17
Operator : VA/SY
Sample : M3798-03
Misc : 6.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(15-18)

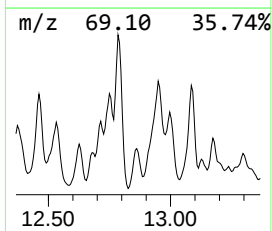
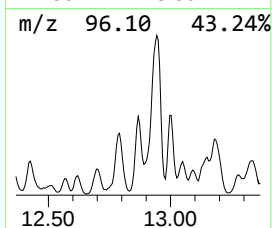
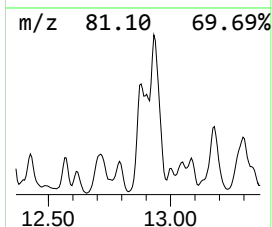
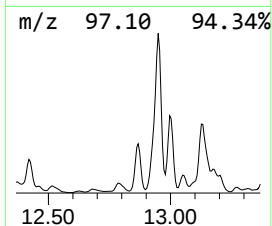
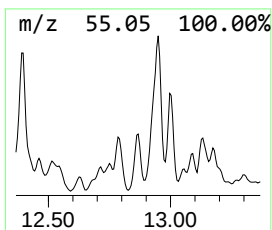
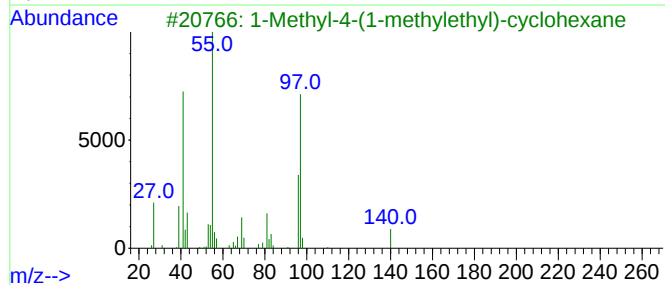
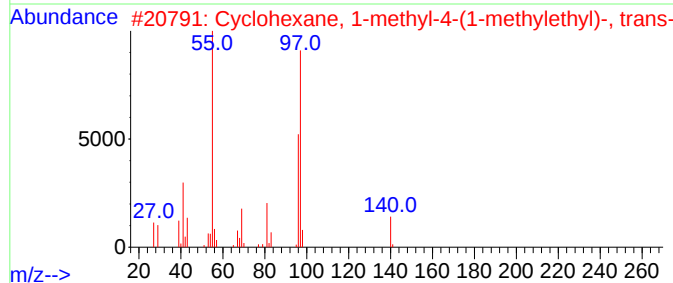
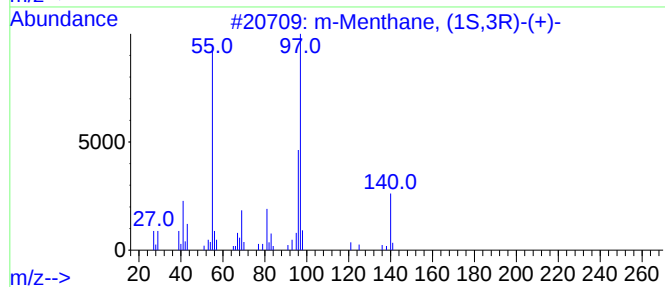
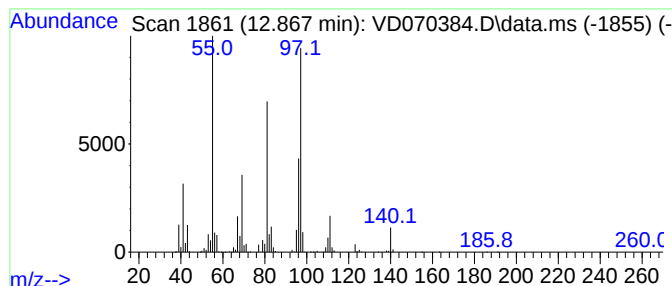
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Quant Title : SW846 8260

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

Peak Number 8 m-Menthane, (1S,3R)-(+)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.867	80.20 ug/l	6978920	1,4-Dichlorobenzene-d4	13.567

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	87
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	87
3			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	80
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	74
5			Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070384.D
Acq On : 20 Sep 2021 15:17
Operator : VA/SY
Sample : M3798-03
Misc : 6.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(15-18)

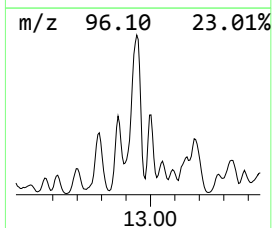
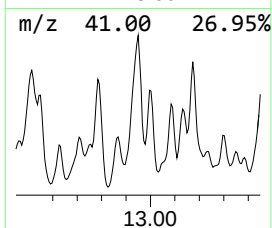
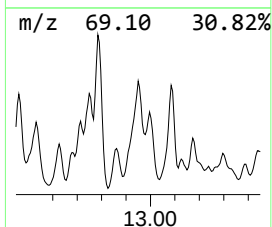
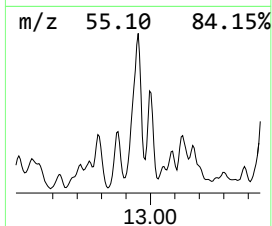
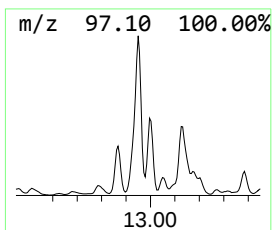
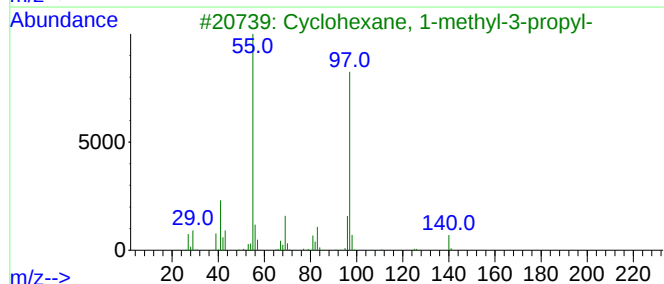
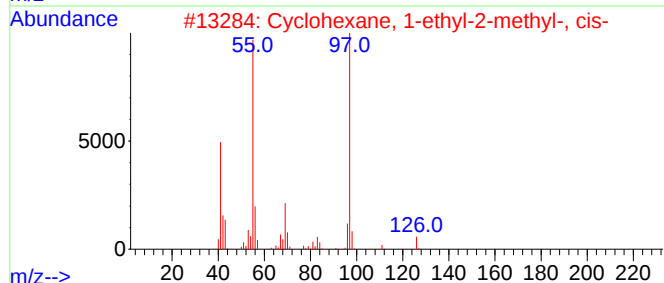
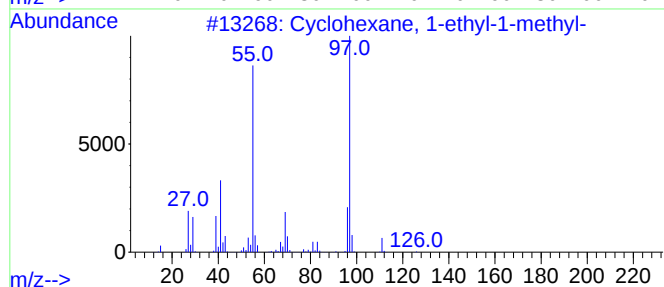
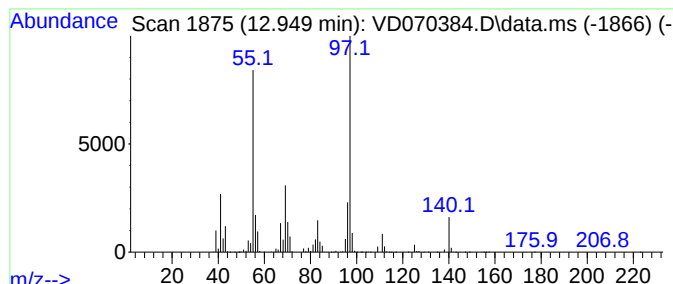
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Quant Title : SW846 8260

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

Peak Number 9 Cyclohexane, 1-ethyl-1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.950	264.81 ug/l	23044100	1,4-Dichlorobenzene-d4	13.567

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	80
2			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	72
3			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	64
4			Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	64
5			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070384.D
Acq On : 20 Sep 2021 15:17
Operator : VA/SY
Sample : M3798-03
Misc : 6.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(15-18)

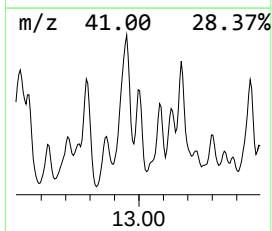
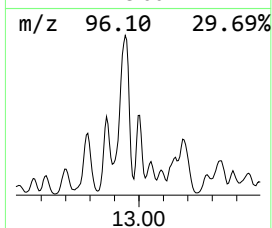
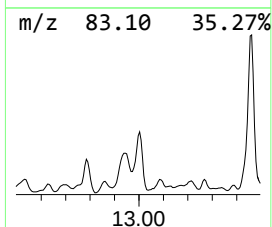
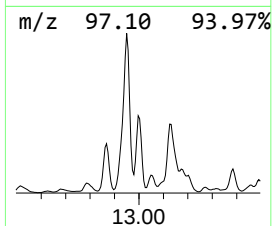
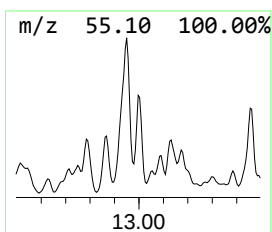
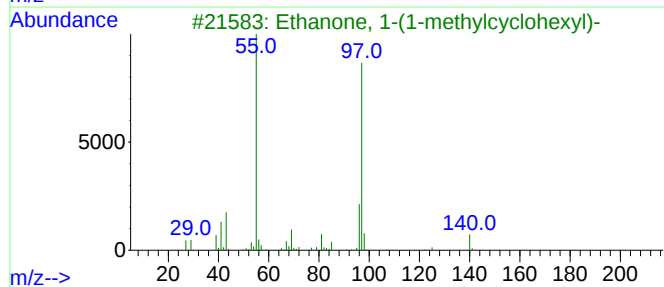
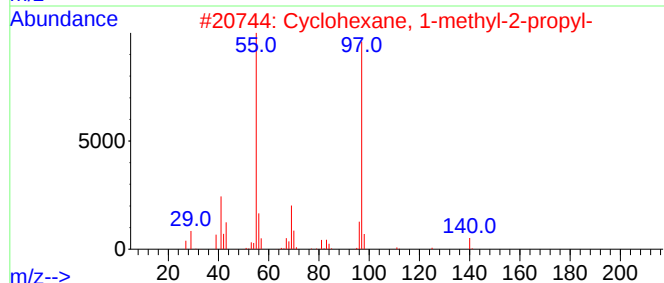
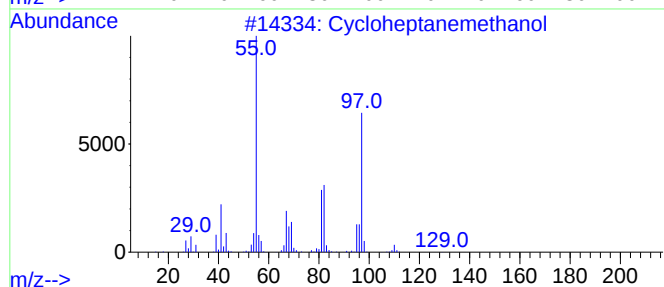
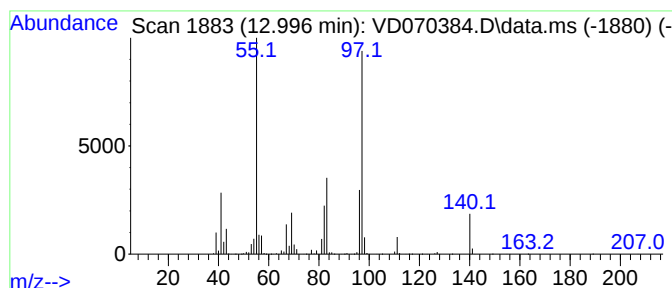
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Quant Title : SW846 8260

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

Peak Number 10 Cycloheptanemethanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.996	86.23 ug/l	7503520	1,4-Dichlorobenzene-d4	13.567

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cycloheptanemethanol	128	C8H16O	004448-75-3	59
2			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	58
3			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	58
4			3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	58
5			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070384.D
Acq On : 20 Sep 2021 15:17
Operator : VA/SY
Sample : M3798-03
Misc : 6.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(15-18)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.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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Pentane, 2,2-di...	12.073	60.8	ug/l	4692380	3	11.638	3858210	50.0
unknown12.144	12.144	234.3	ug/l	18077200	3	11.638	3858210	50.0
Octane, 3,6-dim...	12.261	154.3	ug/l	11907200	3	11.638	3858210	50.0
unknown12.344	12.344	170.9	ug/l	13187900	3	11.638	3858210	50.0
Cyclohexane, pr...	12.391	207.5	ug/l	16009400	3	11.638	3858210	50.0
Cyclohexane, 1-...	12.708	85.8	ug/l	7462590	4	13.567	4351000	50.0
m-Menthane, (1S...	12.867	80.2	ug/l	6978920	4	13.567	4351000	50.0
Cyclohexane, 1-...	12.950	264.8	ug/l	23044100	4	13.567	4351000	50.0
Cycloheptanemet...	12.996	86.2	ug/l	7503520	4	13.567	4351000	50.0