LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
Data File : VD072881.D
Acq On : 07 May 2022 06:46
Operator : VA/SY
Sample : N2717-01
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

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\82D050222S.M
Title : SW846 8260

Signal : TIC: VD072881.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	4.156	366	380	414	rBV2	31367919	108477180	100.00%	23.312%
2	7.955	1008	1026	1036	rBV2	5471335	14915204	13.75%	3.205%
3	8.061	1036	1044	1055	rVB	1461670	3638344	3.35%	0.782%
4	8.185	1055	1065	1074	rBV	6172098	14070603	12.97%	3.024%
5	8.332	1083	1090	1100	rVB3	412482	1194975	1.10%	0.257%
6	8.450	1100	1110	1117	rVV3	823409	2194666	2.02%	0.472%
7	8.526	1117	1123	1129	rVV2	469047	1233507	1.14%	0.265%
8	8.597	1129	1135	1146	rVB	586896	1354183	1.25%	0.291%
9	8.714	1146	1155	1167	rBV	4911556	9688114	8.93%	2.082%
10	8.861	1171	1180	1201	rVB	858131	1816836	1.67%	0.390%
11	9.349	1245	1263	1270	rBV	2714525	6116552	5.64%	1.314%
12	10.332	1422	1430	1434	rBV	1702589	3130689	2.89%	0.673%
13	10.396	1434	1441	1454	rVV2	42843365	86186982	79.45%	18.522%
14	10.514	1454	1461	1467	rVB	904836	1753981	1.62%	0.377%
15	11.420	1606	1615	1626	rVB3	944046	2499525	2.30%	0.537%
16	11.520	1626	1632	1637	rBV	908743	1401960	1.29%	0.301%
17	11.632	1645	1651	1662	rBV	1119422	2015826	1.86%	0.433%
18	11.738	1662	1669	1677	rVV	1810383	3577171	3.30%	0.769%
19	11.843	1677	1687	1697	rVV2	10401348	21227409	19.57%	4.562%
20	12.167	1730	1742	1750	rBV2	3708361	8980229	8.28%	1.930%
21	12.255	1750	1757	1762	rVB	1387833	2302550	2.12%	0.495%
22	12.343	1762	1772	1773	rBV5	890912	1652481	1.52%	0.355%
23	12.379	1774	1778	1788	rVV4	1367973	3520696	3.25%	0.757%
24	12.549	1797	1807	1809	rVV3	1748520	4558404	4.20%	0.980%
25	12.573	1809	1811	1815	rVV	1815820	2434730	2.24%	0.523%
26	12.620	1815	1819	1822	rVV2	990526	1749569	1.61%	0.376%
27	12.655	1822	1825	1830	rVV	1488630	1990614	1.84%	0.428%
28	12.802	1843	1850	1855	rVB2	1112438	2623957	2.42%	0.564%
29	12.867	1855	1861	1865	rBV	3291928	5988790	5.52%	1.287%
30	12.938	1865	1873	1880	rVB3	13168726	22416825	20.67%	4.818%
31	12.996	1880	1883	1888	rVB2	1234542	1813661	1.67%	0.390%
32	13.108	1888	1902	1906	rBV2	1829982	5600598	5.16%	1.204%
33	13.173	1909	1913	1920	rVB3	2866556	4706254	4.34%	1.011%
34	13.255	1920	1927	1932	rBV	5239452	8651368	7.98%	1.859%
35	13.449	1952	1960	1964	rBV4	2635279	5408312	4.99%	1.162%
36	13.490	1964	1967	1970	rVV2	1512998	1826779	1.68%	0.393%

LSC Area Percent Report

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Acq On : 07 May 2022 06:46
Operator : VA/SY
Sample : N2717-01
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

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\82D050222S.M
Title : SW846 8260

37	13.561	1975	1979	1982	rVV	2037308	2799029	2.58%	0.602%
38	13.590	1982	1984	1988	rVB	1471155	1627497	1.50%	0.350%
39	13.632	1988	1991	1997	rVB2	1777359	2326467	2.14%	0.500%
40	13.755	2007	2012	2016	rBV2	2285156	3428168	3.16%	0.737%
41	13.879	2028	2033	2038	rBV	12828491	19007102	17.52%	4.085%
42	14.043	2054	2061	2066	rVB4	1358850	2585393	2.38%	0.556%
43	14.102	2067	2071	2075	rVB	1519957	2201521	2.03%	0.473%
44	14.143	2075	2078	2084	rVB2	1113241	1830058	1.69%	0.393%
45	14.208	2084	2089	2095	rBV3	2127336	3713430	3.42%	0.798%
46	14.273	2095	2100	2106	rBV7	868442	1684571	1.55%	0.362%
47	14.390	2106	2120	2125	rBV5	3757181	10596271	9.77%	2.277%
48	14.508	2136	2140	2143	rBV	1470872	1894143	1.75%	0.407%
49	14.555	2143	2148	2153	rVB5	1431744	2307321	2.13%	0.496%
50	14.608	2153	2157	2161	rBV2	818720	1348668	1.24%	0.290%
51	14.696	2168	2172	2173	rBV	960262	1193361	1.10%	0.256%
52	14.732	2174	2178	2185	rVB2	5606005	8655454	7.98%	1.860%
53	14.814	2185	2192	2196	rBV4	2609319	5835763	5.38%	1.254%
54	14.855	2196	2199	2207	rVB4	1946283	3742657	3.45%	0.804%
55	14.967	2209	2218	2224	rBV3	1566358	3426483	3.16%	0.736%
56	15.073	2232	2236	2241	rVB4	740681	1104598	1.02%	0.237%
57	15.184	2249	2255	2261	rBV6	615509	1536636	1.42%	0.330%
58	15.343	2277	2282	2287	rBV	884703	1664496	1.53%	0.358%
59	15.579	2317	2322	2331	rVB	2015924	3790123	3.49%	0.815%
60	15.684	2331	2340	2346	rVV5	508460	1528370	1.41%	0.328%
61	15.890	2370	2375	2381	rVB2	841615	1664875	1.53%	0.358%
62	16.208	2420	2429	2434	rBV4	426230	1108026	1.02%	0.238%

Sum of corrected areas: 465320005

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
Data File : VD072881.D
Acq On : 07 May 2022 06:46
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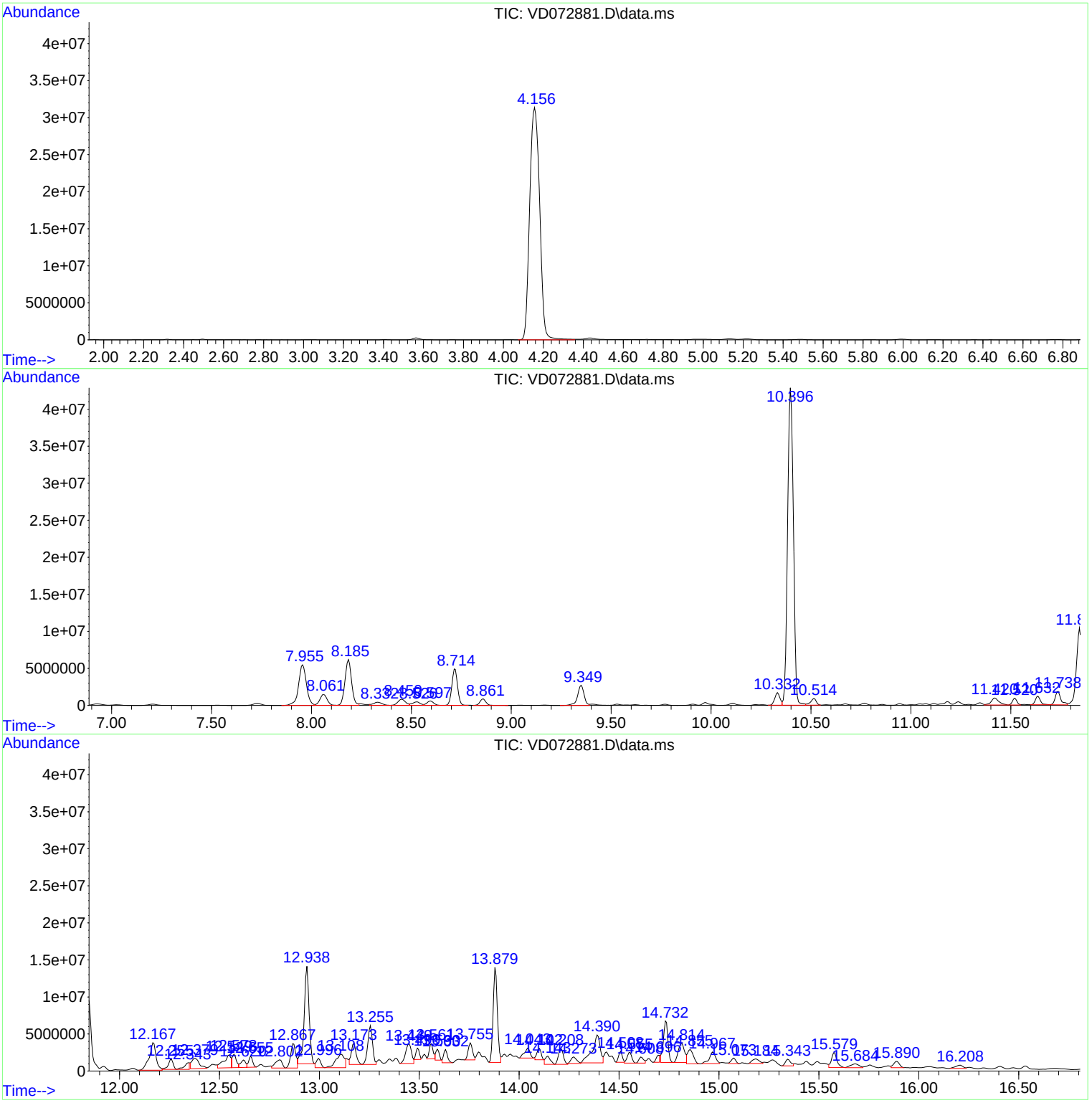
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
Data File : VD072881.D
Acq On : 07 May 2022 06:46
Operator : VA/SY
Sample : N2717-01
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

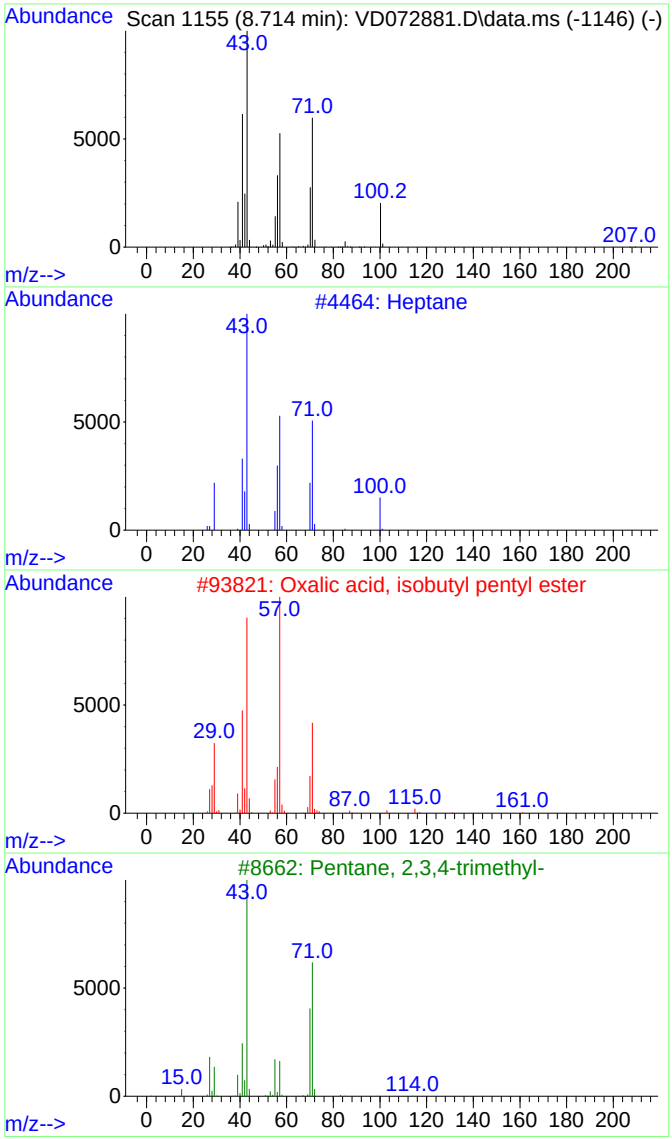
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

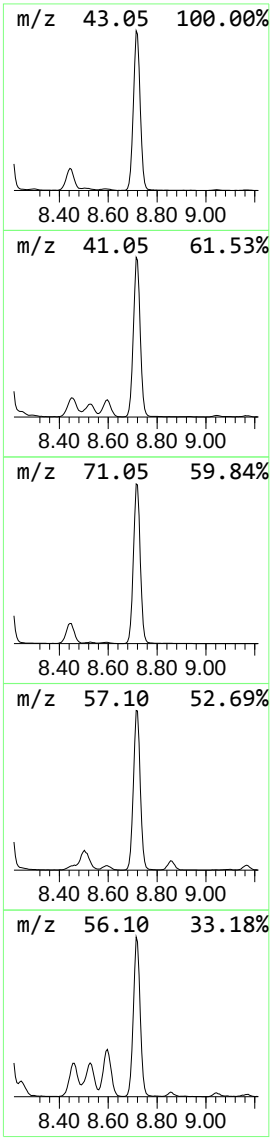
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Heptane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.714	266.62 ug/l	9688110	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	42
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	38
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	38
5	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
Data File : VD072881.D
Acq On : 07 May 2022 06:46
Operator : VA/SY
Sample : N2717-01
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

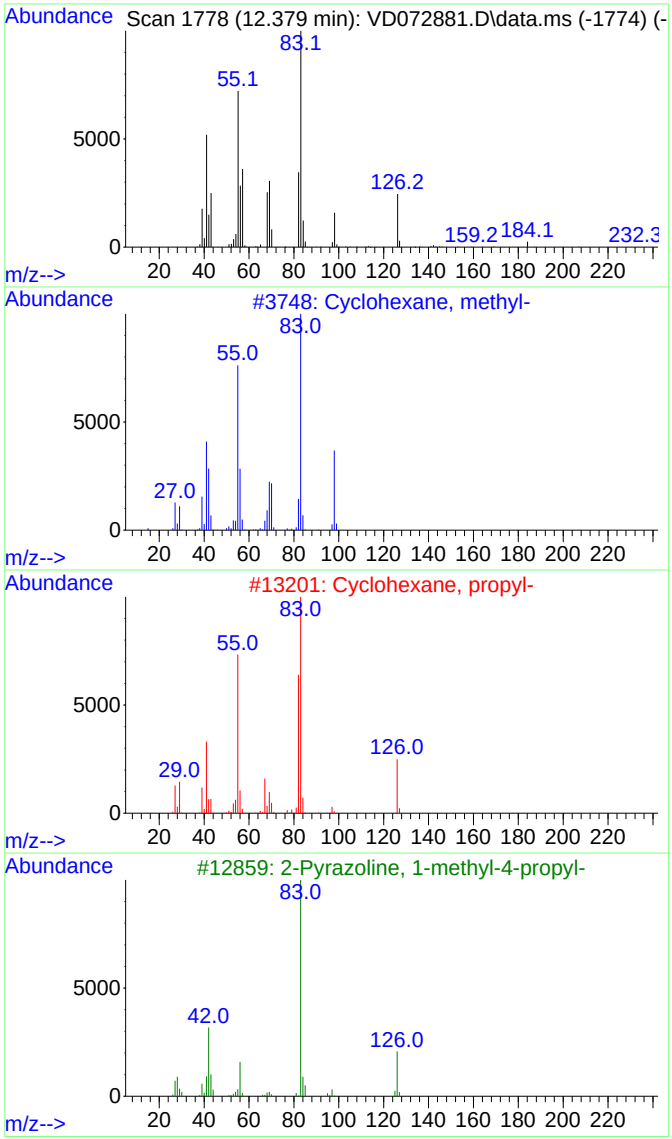
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

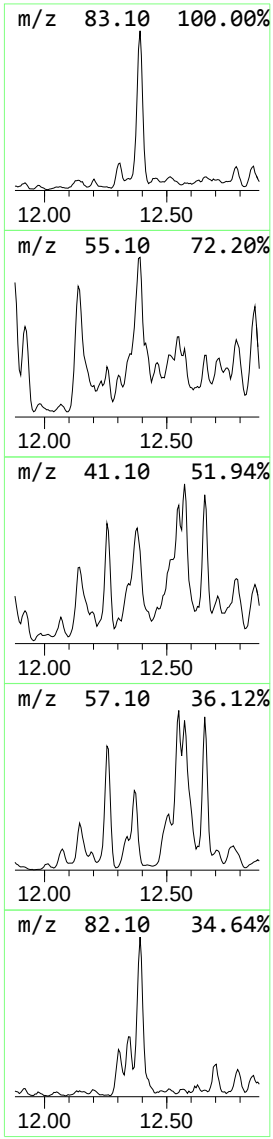
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclohexane, methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.379	87.33 ug/l	3520700	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	68
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	52
3	2-Pyrazoline, 1-methyl-4-propyl-	126	C7H14N2	033063-77-3	50
4	(S)-(+)-5-Methyl-1-heptanol	130	C8H18O	057803-73-3	47
5	3-Hexen-1-ol, 5-methyl-, formate...	142	C8H14O2	1000132-12-4	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
Data File : VD072881.D
Acq On : 07 May 2022 06:46
Operator : VA/SY
Sample : N2717-01
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

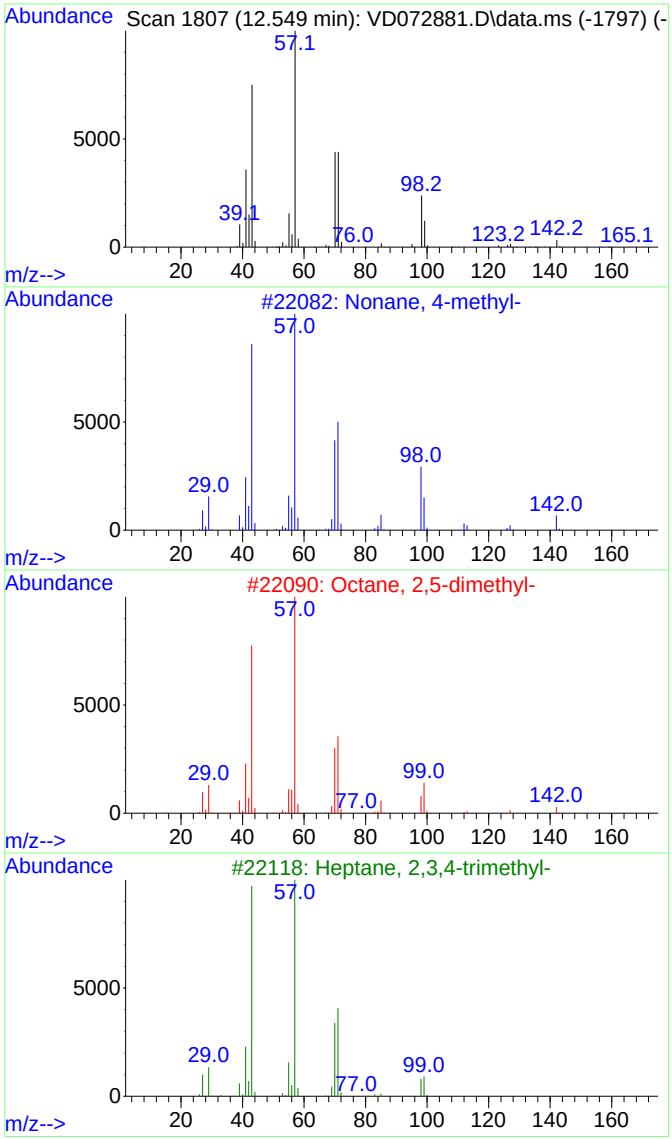
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

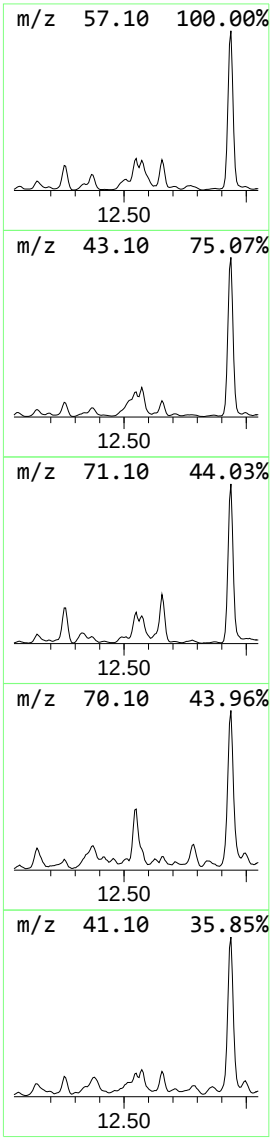
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Nonane, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.549	113.07 ug/l	4558400	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	74
2	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	64
3	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	59
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53
5	Nonane, 2-methyl-	142	C10H22	000871-83-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
Data File : VD072881.D
Acq On : 07 May 2022 06:46
Operator : VA/SY
Sample : N2717-01
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

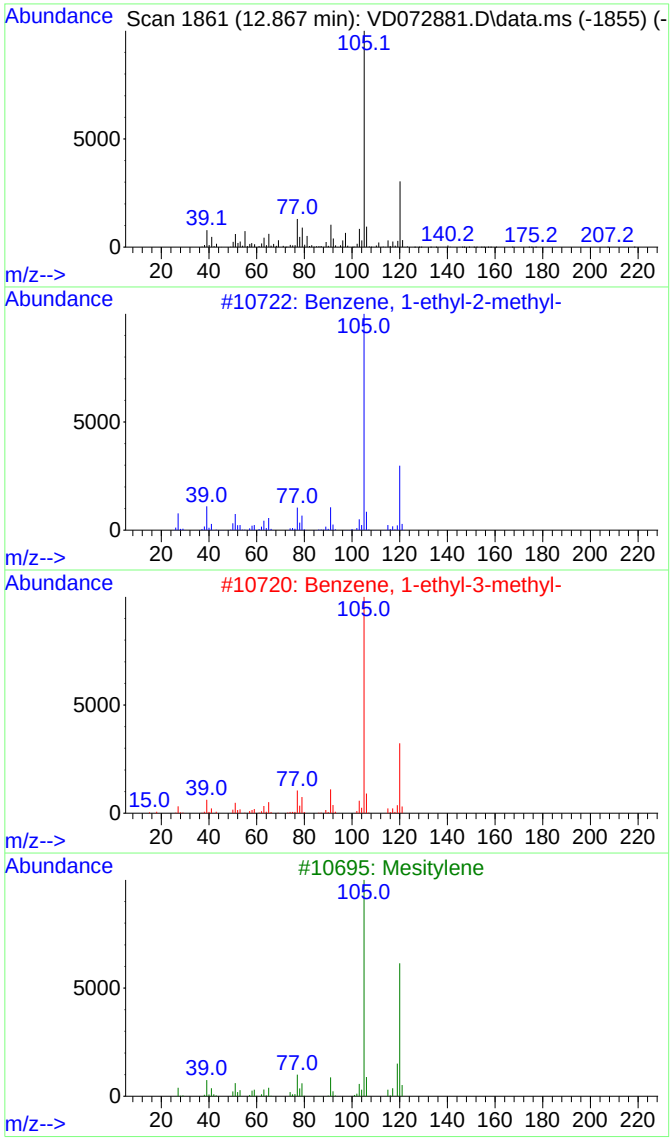
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

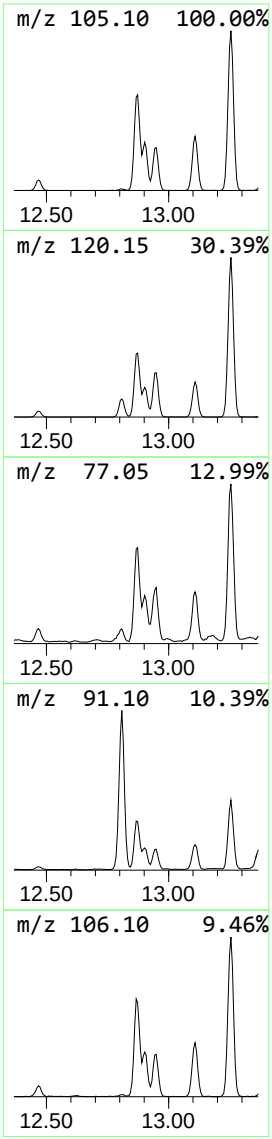
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.867	106.98 ug/l	5988790	1,4-Dichlorobenzene-d4	13.561

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
Data File : VD072881.D
Acq On : 07 May 2022 06:46
Operator : VA/SY
Sample : N2717-01
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

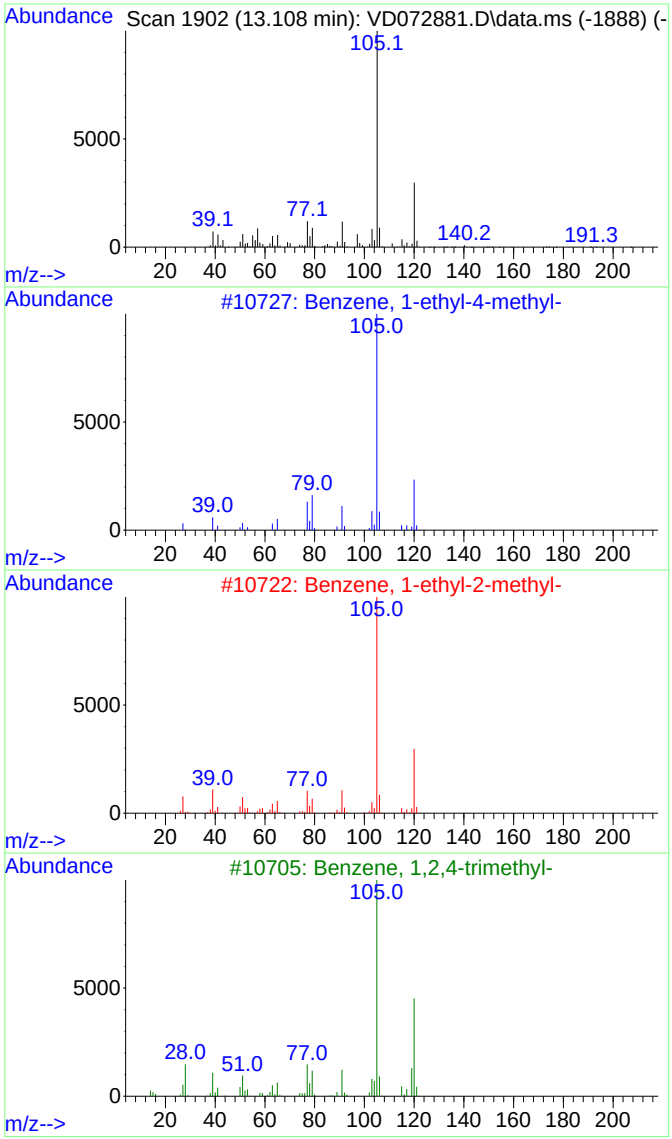
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

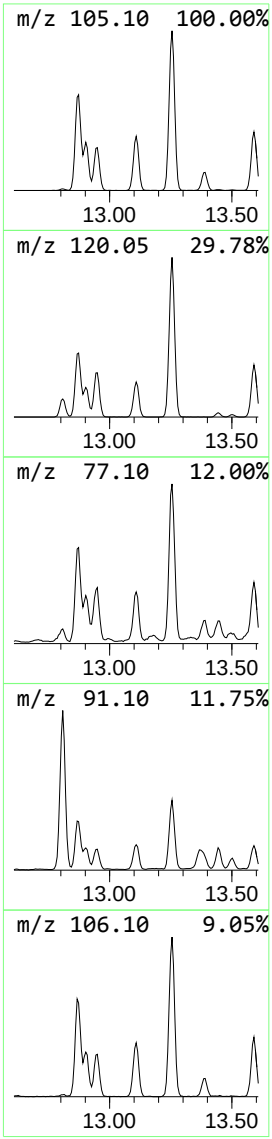
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.108	100.05 ug/l	5600600	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5	Mesitylene	120	C9H12	000108-67-8	90





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ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

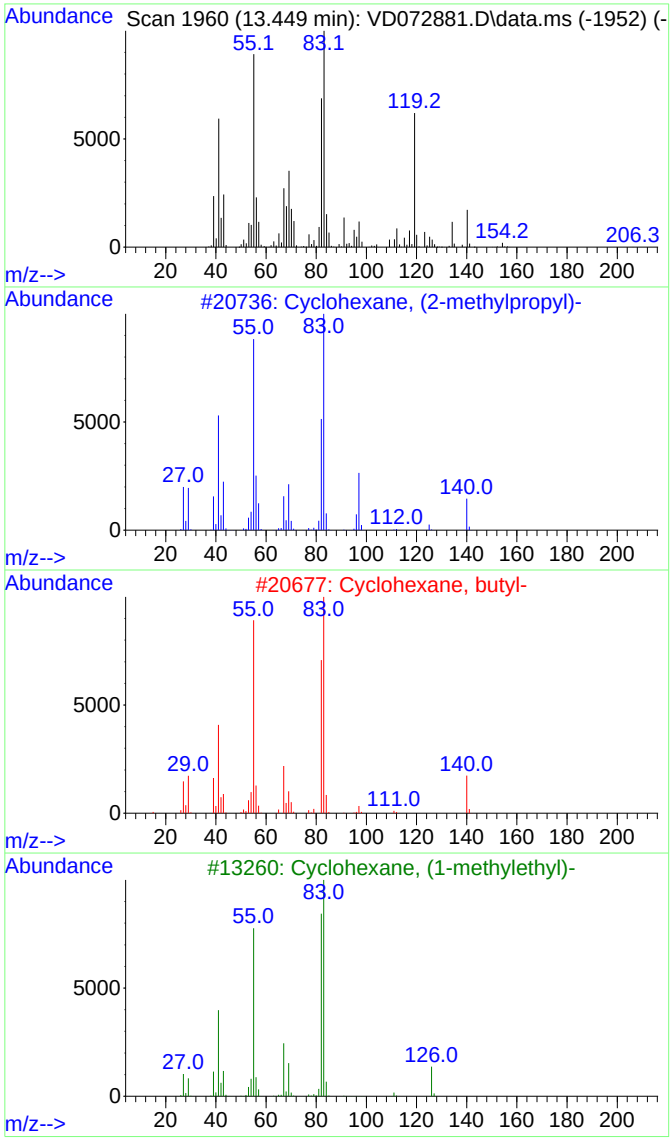
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

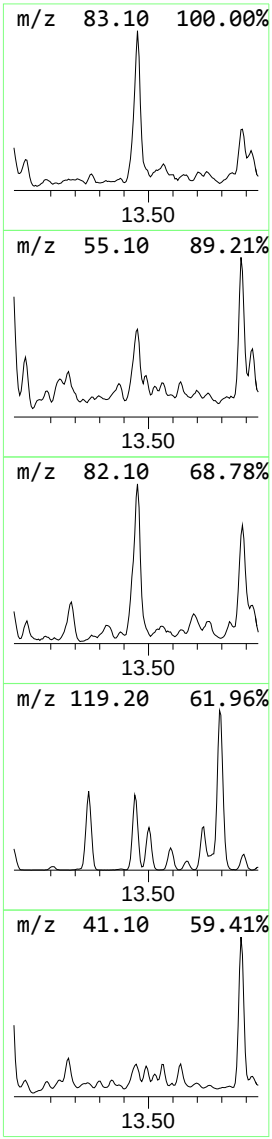
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexane, (2-methylpropyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.449	96.61 ug/l	5408310	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	70
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	52
4	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	46
5	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
Data File : VD072881.D
Acq On : 07 May 2022 06:46
Operator : VA/SY
Sample : N2717-01
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

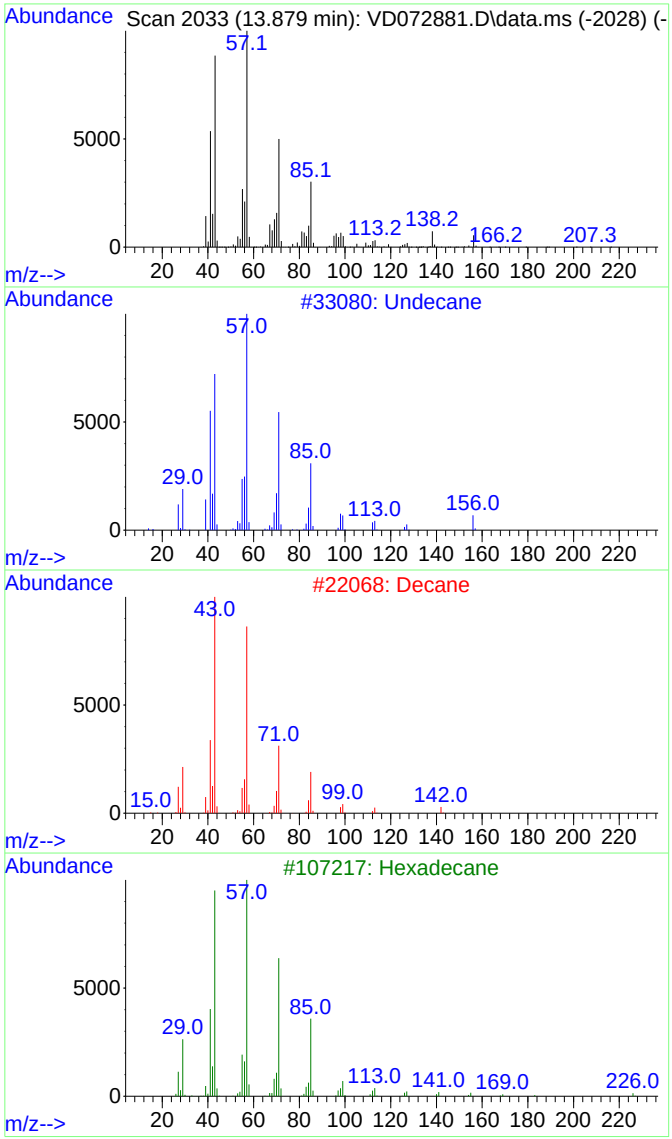
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

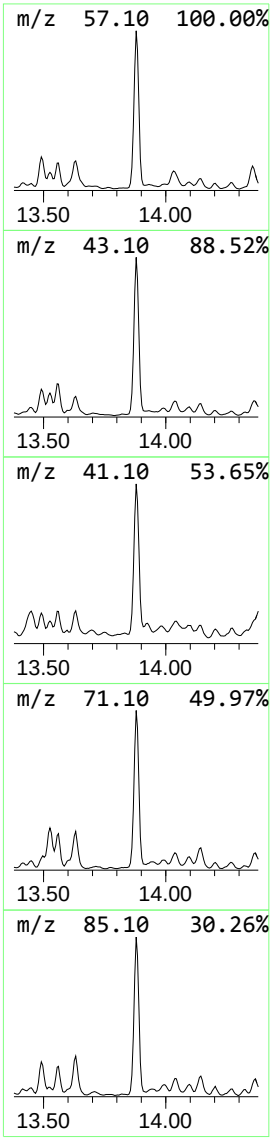
****

Peak Number 7 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.879	339.53 ug/l	19007100	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	96
2	Decane	142	C10H22	000124-18-5	72
3	Hexadecane	226	C16H34	000544-76-3	64
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	59
5	Tridecane	184	C13H28	000629-50-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
Data File : VD072881.D
Acq On : 07 May 2022 06:46
Operator : VA/SY
Sample : N2717-01
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

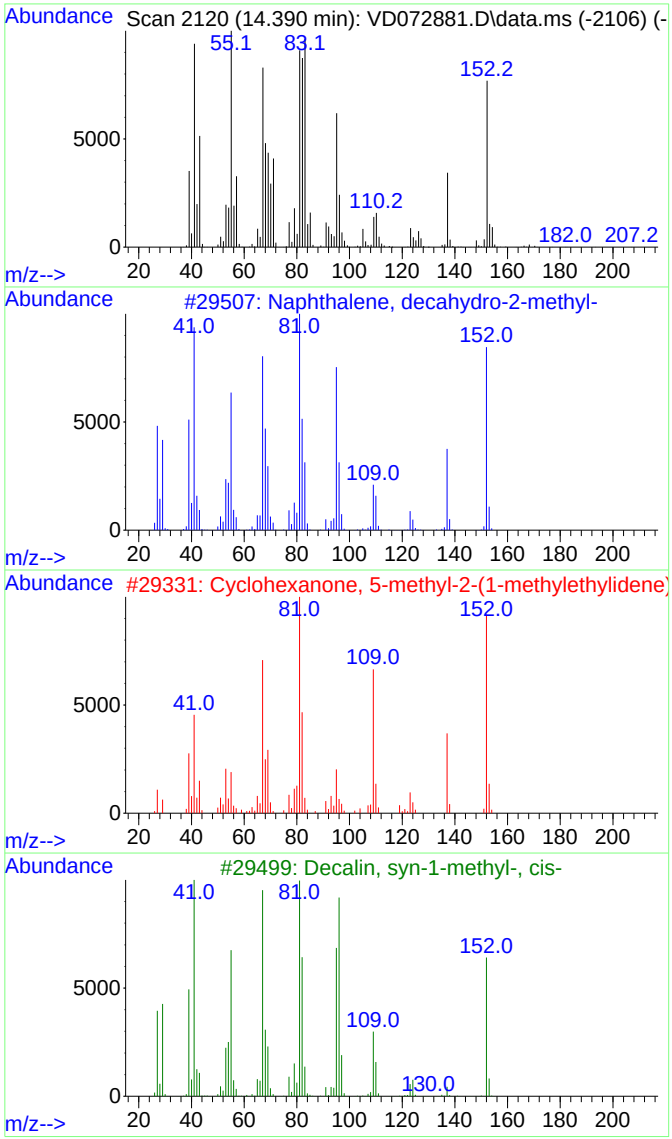
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

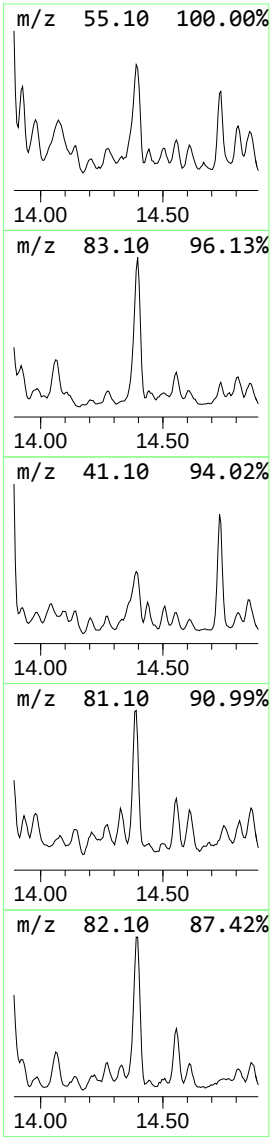
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, decahydro-2-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.390	189.29 ug/l	10596300	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
2	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	70
3	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	60
4	Pulegone	152	C10H16O	000089-82-7	55
5	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
Data File : VD072881.D
Acq On : 07 May 2022 06:46
Operator : VA/SY
Sample : N2717-01
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

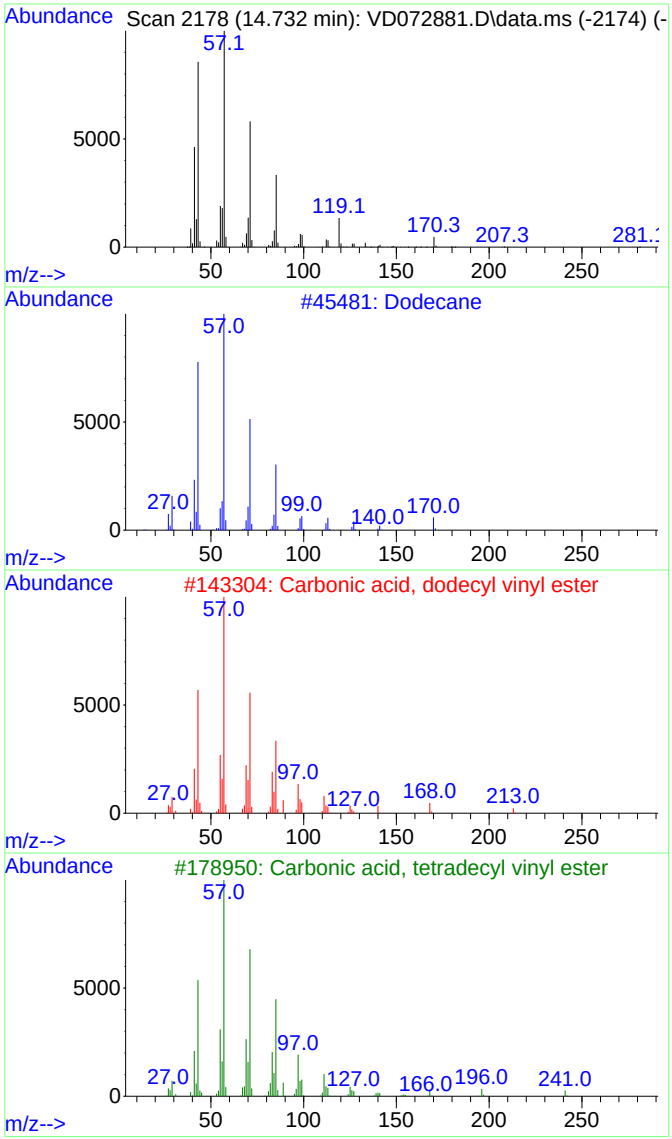
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

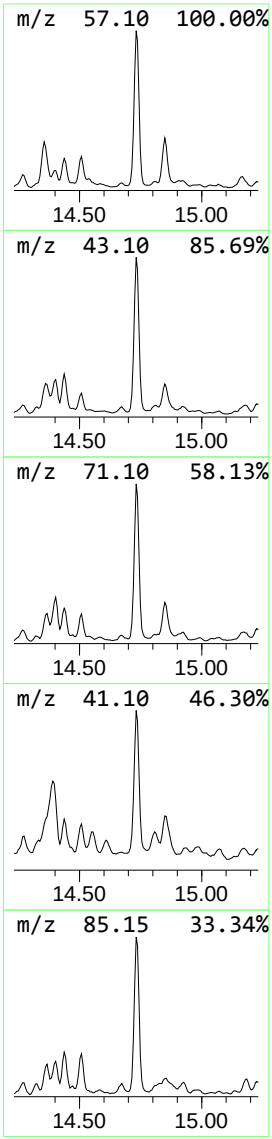
****

Peak Number 9 Dodecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.732	154.62 ug/l	8655450	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	90
2	Carbonic acid, dodecyl vinyl ester	256	C15H28O3	1000382-54-8	72
3	Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	72
4	Tridecane	184	C13H28	000629-50-5	72
5	Hexadecane	226	C16H34	000544-76-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
Data File : VD072881.D
Acq On : 07 May 2022 06:46
Operator : VA/SY
Sample : N2717-01
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

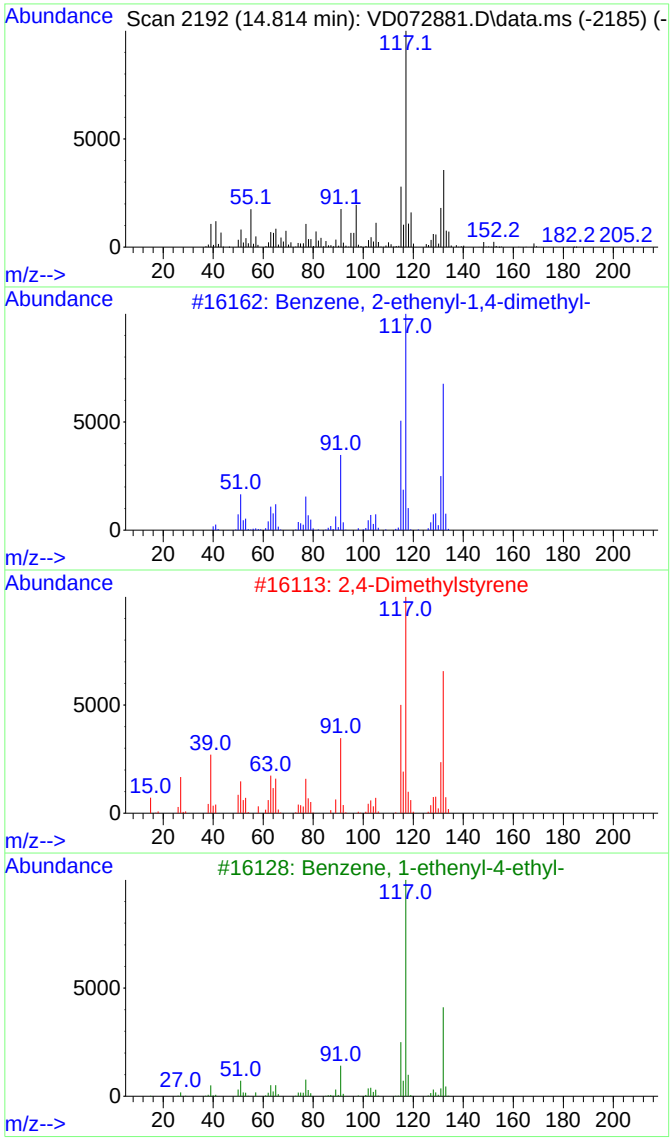
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

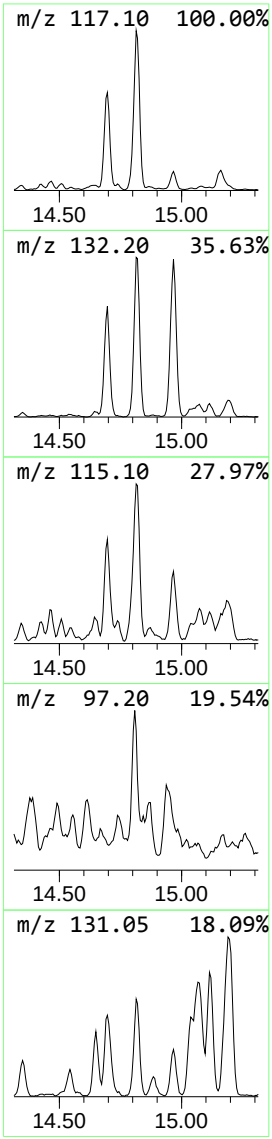
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.814	104.25 ug/l	5835760	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
Data File : VD072881.D
Acq On : 07 May 2022 06:46
Operator : VA/SY
Sample : N2717-01
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Heptane	8.714	266.6	ug/l	9688110	2	8.861	1816840	50.0
Cyclohexane, me...	12.379	87.3	ug/l	3520700	3	11.638	2015830	50.0
Nonane, 4-methyl-	12.549	113.1	ug/l	4558400	3	11.638	2015830	50.0
Benzene, 1-ethy...	12.867	107.0	ug/l	5988790	4	13.561	2799030	50.0
Benzene, 1-ethy...	13.108	100.1	ug/l	5600600	4	13.561	2799030	50.0
Cyclohexane, (2...	13.449	96.6	ug/l	5408310	4	13.561	2799030	50.0
Undecane	13.879	339.5	ug/l	19007100	4	13.561	2799030	50.0
Naphthalene, de...	14.390	189.3	ug/l	10596300	4	13.561	2799030	50.0
Dodecane	14.732	154.6	ug/l	8655450	4	13.561	2799030	50.0
Benzene, 2-ethe...	14.814	104.3	ug/l	5835760	4	13.561	2799030	50.0