LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
Data File : VD069313.D
Acq On : 02 Jun 2021 20:43
Operator : VA/SY
Sample : M2580-13
Misc : 5.19G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 18-B5(0-2)

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\82D060121S.M
Title : SW846 8260

Signal : TIC: VD069313.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.414	415	424	443	rVB2	61417	206806	1.78%	0.326%
2	7.914	1008	1019	1025	rBV2	288958	736228	6.34%	1.160%
3	7.979	1025	1030	1039	rVB	419231	936551	8.06%	1.475%
4	8.332	1081	1090	1103	rVB2	275361	685941	5.91%	1.081%
5	8.867	1171	1181	1193	rBV	675313	1381982	11.90%	2.177%
6	9.355	1250	1264	1270	rBV3	133352	331193	2.85%	0.522%
7	9.979	1364	1370	1381	rVB3	78913	197389	1.70%	0.311%
8	10.108	1381	1392	1407	rBV3	84532	233815	2.01%	0.368%
9	10.338	1423	1431	1437	rBV	1364911	2516527	21.67%	3.964%
10	10.402	1437	1442	1449	rVB	525916	973461	8.38%	1.533%
11	10.520	1454	1462	1469	rVB3	182996	387781	3.34%	0.611%
12	10.679	1484	1489	1499	rVB3	119458	226651	1.95%	0.357%
13	10.773	1499	1505	1510	rBV4	78924	165411	1.42%	0.261%
14	10.949	1530	1535	1542	rVB	134784	232101	2.00%	0.366%
15	11.049	1545	1552	1560	rBV	50497	118480	1.02%	0.187%
16	11.191	1568	1576	1580	rVV	157451	304328	2.62%	0.479%
17	11.244	1580	1585	1591	rVB3	299738	522288	4.50%	0.823%
18	11.349	1598	1603	1608	rBV2	118985	201917	1.74%	0.318%
19	11.444	1608	1619	1628	rVB4	210789	703785	6.06%	1.109%
20	11.526	1628	1633	1638	rBV	168019	281878	2.43%	0.444%
21	11.643	1646	1653	1662	rBV	1065923	1885918	16.24%	2.971%
22	11.743	1662	1670	1674	rBV	495638	888798	7.65%	1.400%
23	11.849	1679	1688	1699	rBV3	1809048	4173685	35.93%	6.575%
24	12.073	1718	1726	1731	rVB5	118745	302631	2.61%	0.477%
25	12.173	1731	1743	1751	rBV3	860917	2719974	23.42%	4.285%
26	12.267	1751	1759	1763	rVB2	440732	855442	7.36%	1.348%
27	12.349	1763	1773	1775	rBV4	572020	1219116	10.50%	1.920%
28	12.379	1775	1778	1785	rVB3	513983	1114457	9.59%	1.756%
29	12.485	1789	1796	1805	rBV	6520553	11615014	100.00%	18.296%
30	12.626	1815	1820	1825	rBV	1213325	1927740	16.60%	3.037%
31	12.732	1830	1838	1843	rBV5	335591	779960	6.72%	1.229%
32	12.790	1843	1848	1856	rVB3	781988	1590676	13.69%	2.506%
33	12.879	1856	1863	1866	rBV2	624771	1188162	10.23%	1.872%
34	12.943	1868	1874	1882	rVB3	1900248	3426253	29.50%	5.397%
35	13.038	1886	1890	1896	rVB	814551	1325277	11.41%	2.088%
36	13.096	1896	1900	1910	rBV4	225950	768044	6.61%	1.210%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
Data File : VD069313.D
Acq On : 02 Jun 2021 20:43
Operator : VA/SY
Sample : M2580-13
Misc : 5.19G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 18-B5(0-2)

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\82D060121S.M
Title : SW846 8260

37	13.179	1910	1914	1923	rVB3	515519	938580	8.08%	1.478%
38	13.267	1923	1929	1930	rBV	855283	1239914	10.68%	1.953%
39	13.390	1947	1950	1953	rBV3	105461	131703	1.13%	0.207%
40	13.485	1954	1966	1968	rBV7	515828	1580033	13.60%	2.489%
41	13.567	1975	1980	1984	rBV	1063093	1722214	14.83%	2.713%
42	13.661	1994	1996	2001	rVB	179913	208395	1.79%	0.328%
43	13.767	2009	2014	2017	rBV2	238746	398350	3.43%	0.627%
44	13.802	2018	2020	2029	rVB3	224978	374416	3.22%	0.590%
45	13.890	2029	2035	2040	rBV2	756337	1218036	10.49%	1.919%
46	14.108	2068	2072	2078	rVB	180536	307385	2.65%	0.484%
47	14.220	2086	2091	2096	rBV4	148702	272472	2.35%	0.429%
48	14.349	2108	2113	2117	rBV5	69404	135693	1.17%	0.214%
49	14.402	2117	2122	2125	rVV5	114990	237289	2.04%	0.374%
50	14.449	2125	2130	2137	rVV2	392341	903394	7.78%	1.423%
51	14.514	2137	2141	2145	rVV6	82316	139665	1.20%	0.220%
52	14.561	2145	2149	2154	rVB6	74343	117110	1.01%	0.184%
53	14.708	2169	2174	2177	rBV4	100479	177250	1.53%	0.279%
54	14.743	2177	2180	2185	rVB2	113918	159295	1.37%	0.251%
55	14.814	2186	2192	2198	rVV4	151496	356680	3.07%	0.562%
56	14.873	2198	2202	2209	rVB8	73486	140527	1.21%	0.221%
57	15.090	2233	2239	2248	rBV3	286786	570601	4.91%	0.899%
58	15.279	2267	2271	2280	rVB4	108113	184248	1.59%	0.290%
59	15.390	2280	2290	2302	rBV	2114163	3791439	32.64%	5.972%
60	16.484	2469	2476	2488	rVB	293468	645100	5.55%	1.016%
61	16.690	2503	2511	2520	rBV2	169201	407168	3.51%	0.641%

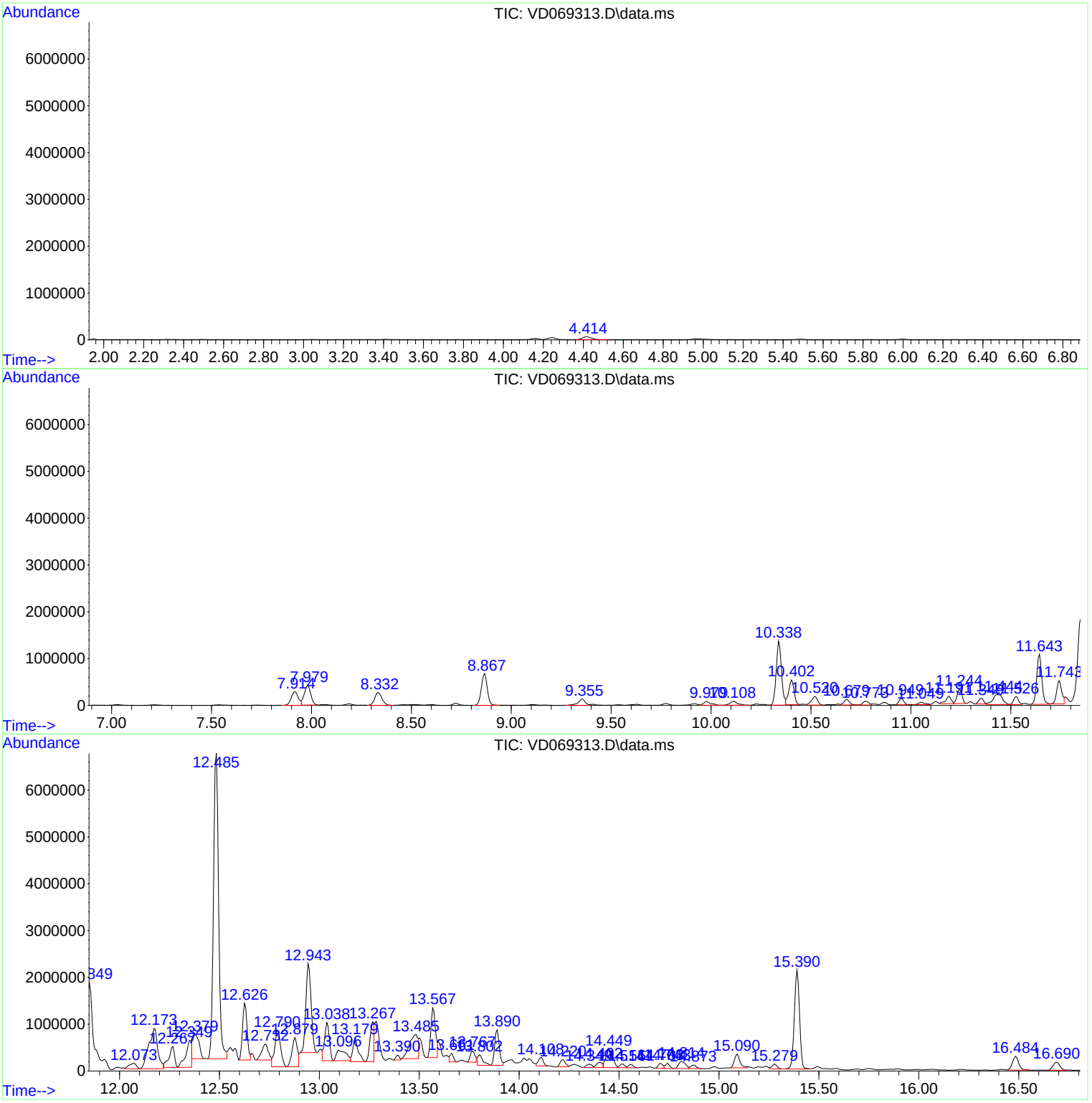
Sum of corrected areas: 63482617

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
Data File : VD069313.D
Acq On : 02 Jun 2021 20:43
Operator : VA/SY
Sample : M2580-13
Misc : 5.19G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
Data File : VD069313.D
Acq On : 02 Jun 2021 20:43
Operator : VA/SY
Sample : M2580-13
Misc : 5.19G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 18-B5(0-2)

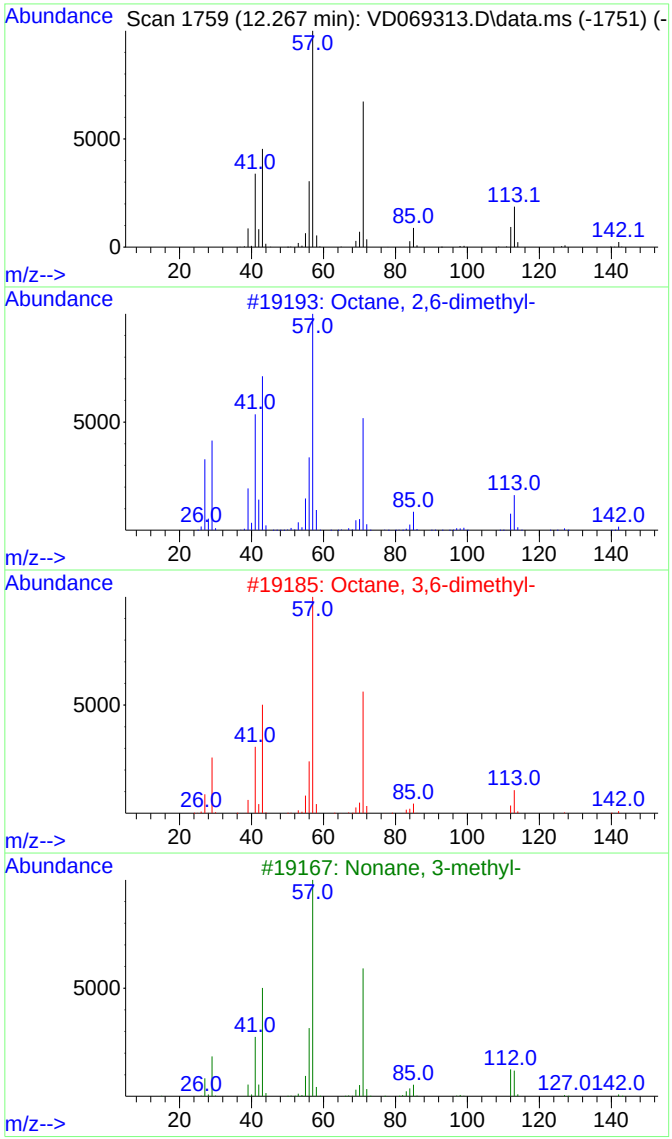
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

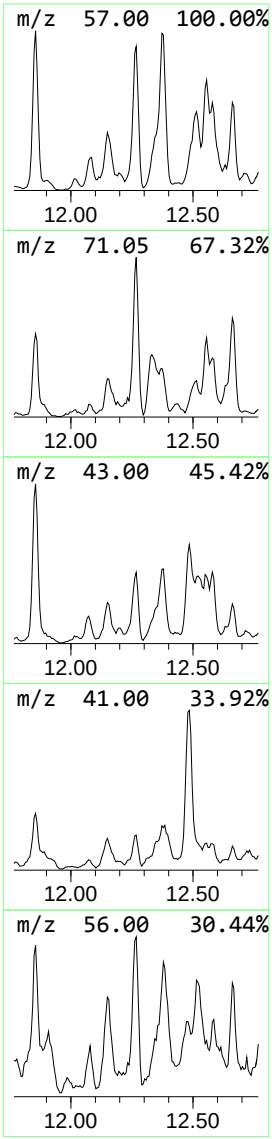
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Octane, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.267	22.68 ug/l	855442	Chlorobenzene-d5	11.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	83
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
5	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
Data File : VD069313.D
Acq On : 02 Jun 2021 20:43
Operator : VA/SY
Sample : M2580-13
Misc : 5.19G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

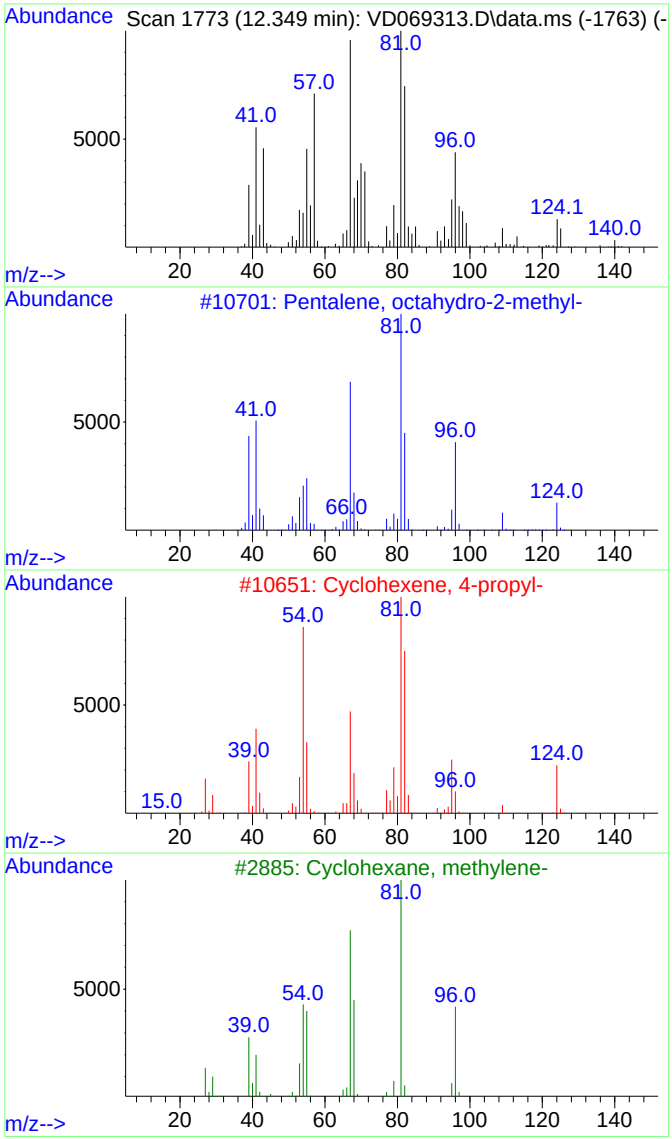
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

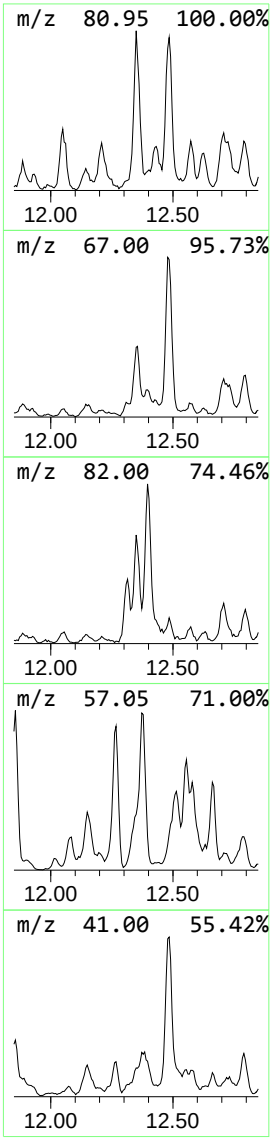
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Pentalene, octahydro-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.349	32.32 ug/l	1219120	Chlorobenzene-d5	11.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	64
2	Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	60
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	46
4	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	43
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
Data File : VD069313.D
Acq On : 02 Jun 2021 20:43
Operator : VA/SY
Sample : M2580-13
Misc : 5.19G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

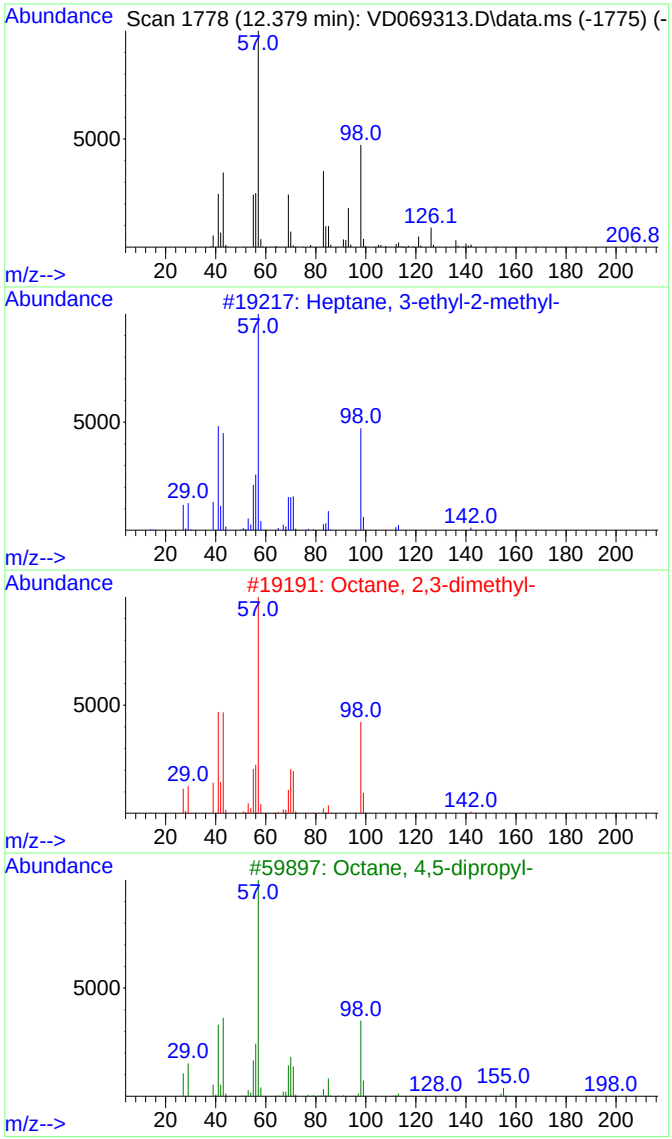
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

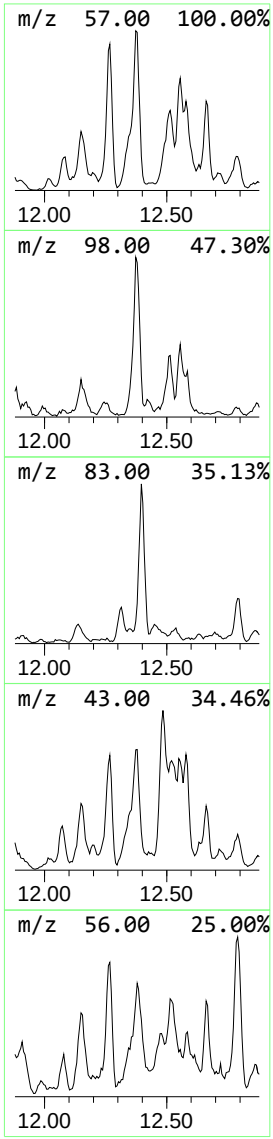
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 unknown12.379 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.379	29.55 ug/l	1114460	Chlorobenzene-d5	11.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43
3	Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	38
4	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	37
5	Dichloroacetic acid, 2-ethylhexy...	240	C10H18Cl2O2	068144-72-9	23





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
Data File : VD069313.D
Acq On : 02 Jun 2021 20:43
Operator : VA/SY
Sample : M2580-13
Misc : 5.19G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 18-B5(0-2)

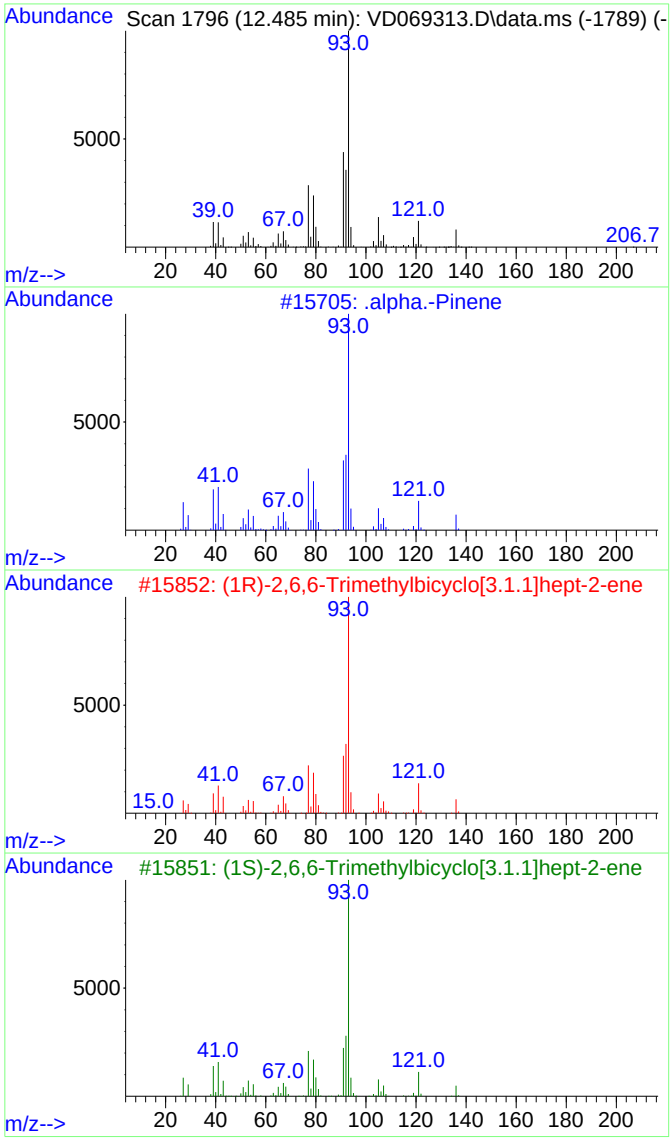
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

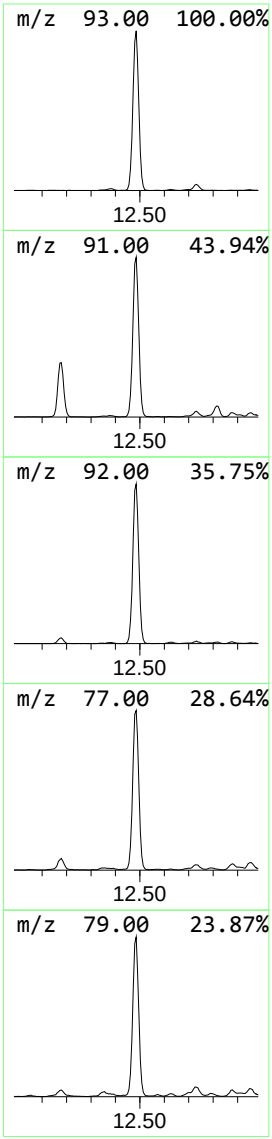
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 .alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.485	307.94 ug/l	11615000	Chlorobenzene-d5	11.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
3	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	95
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	(+)-3-Carene	136	C10H16	000498-15-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
Data File : VD069313.D
Acq On : 02 Jun 2021 20:43
Operator : VA/SY
Sample : M2580-13
Misc : 5.19G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

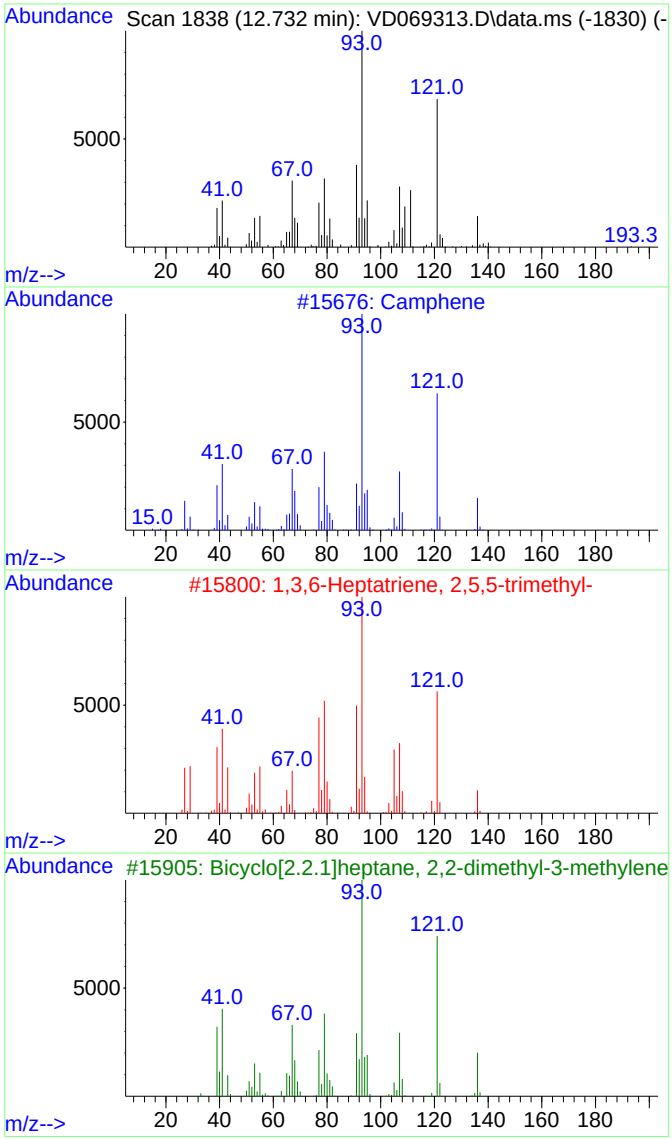
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

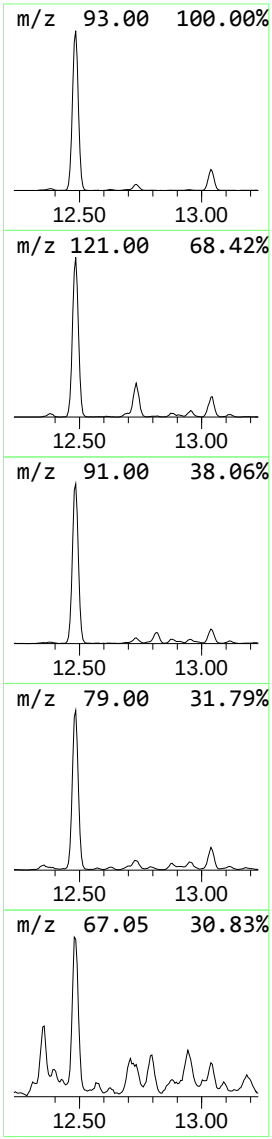
****

Peak Number 5 Camphene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.732	22.64 ug/l	779960	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	93
2	1,3,6-Heptatriene, 2,5,5-trimethyl-	136	C10H16	029548-02-5	68
3	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	64
4	2-Carene	136	C10H16	000554-61-0	58
5	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	58





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Sample : M2580-13
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ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

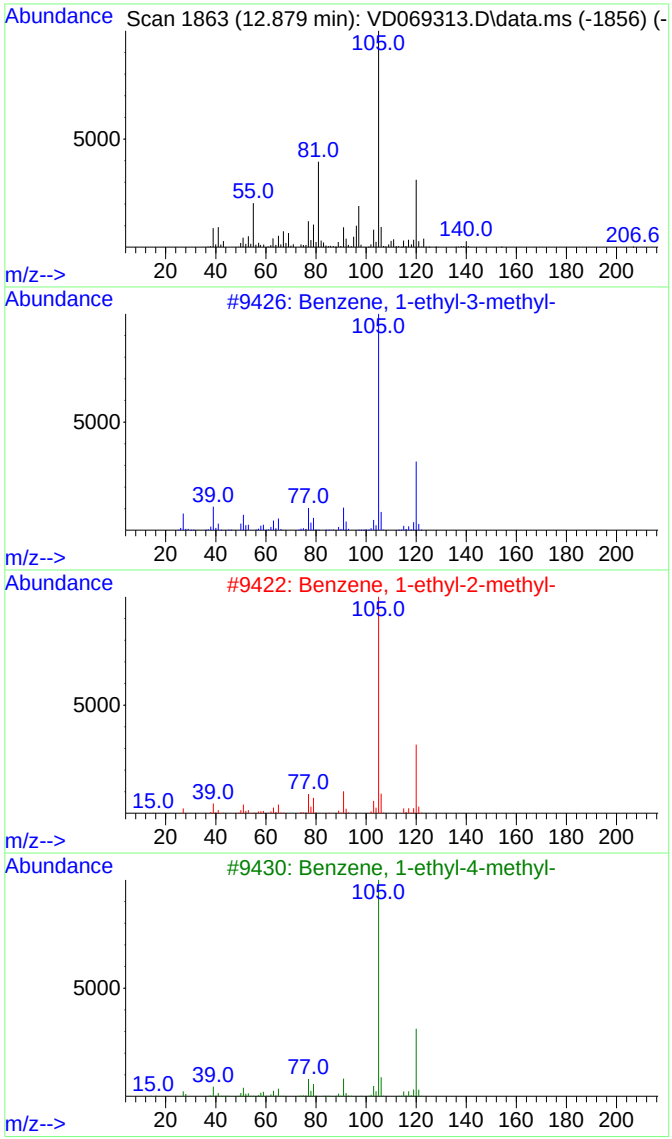
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

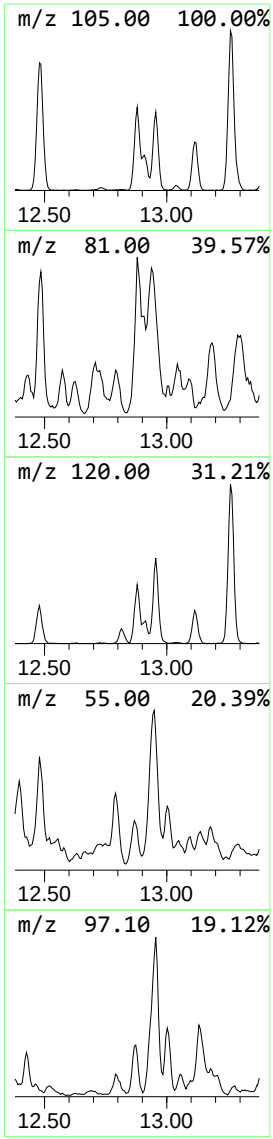
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.879	34.50 ug/l	1188160	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	60
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	55
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
Data File : VD069313.D
Acq On : 02 Jun 2021 20:43
Operator : VA/SY
Sample : M2580-13
Misc : 5.19G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

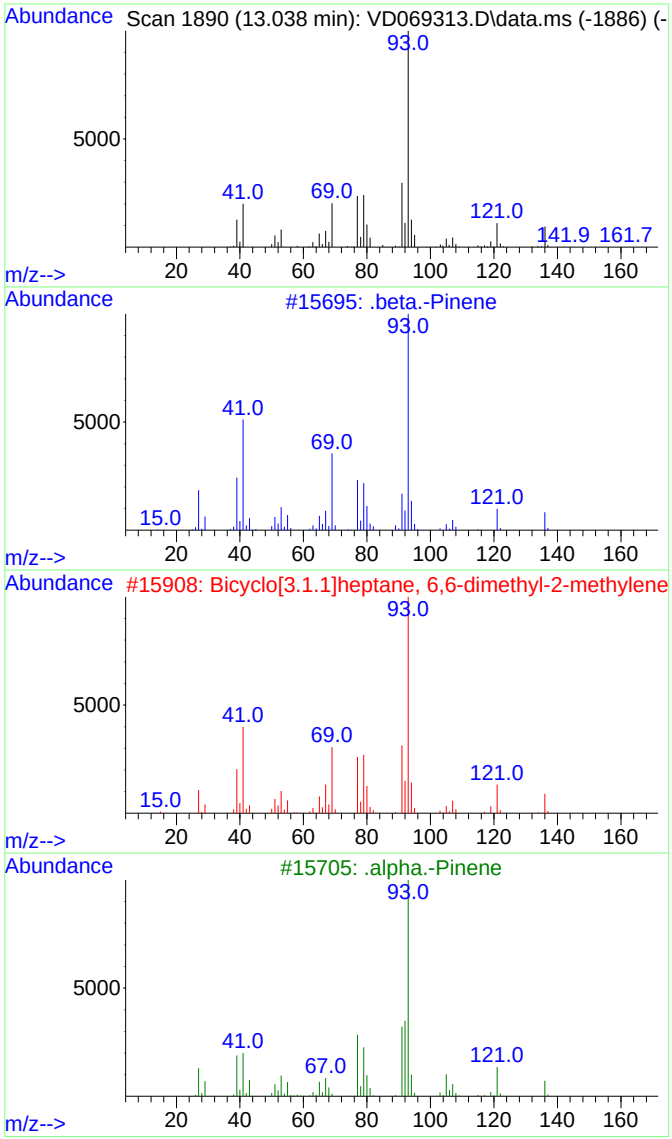
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

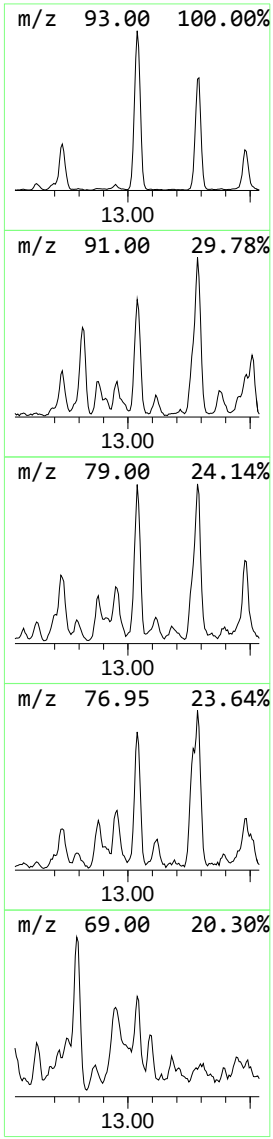
****

Peak Number 7 .beta.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.038	38.48 ug/l	1325280	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	94
2	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	94
3	.alpha.-Pinene	136	C10H16	000080-56-8	93
4	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
5	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
Data File : VD069313.D
Acq On : 02 Jun 2021 20:43
Operator : VA/SY
Sample : M2580-13
Misc : 5.19G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

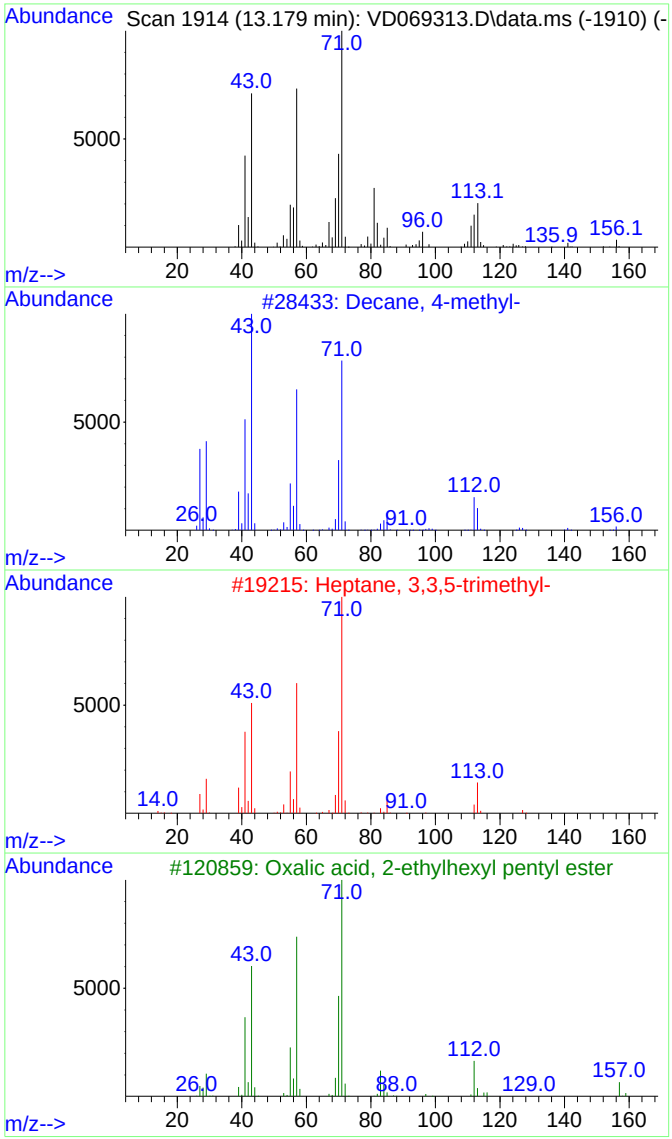
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

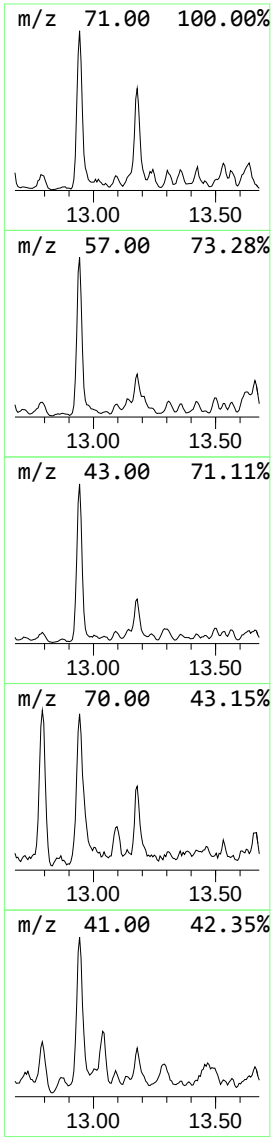
****

Peak Number 8 Decane, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.179	27.25 ug/l	938580	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	83
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
3	Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	59
4	4-Methyl-3-heptanol, pentafluoro...	276	C11H17F5O2	1000365-51-7	53
5	Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
Data File : VD069313.D
Acq On : 02 Jun 2021 20:43
Operator : VA/SY
Sample : M2580-13
Misc : 5.19G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

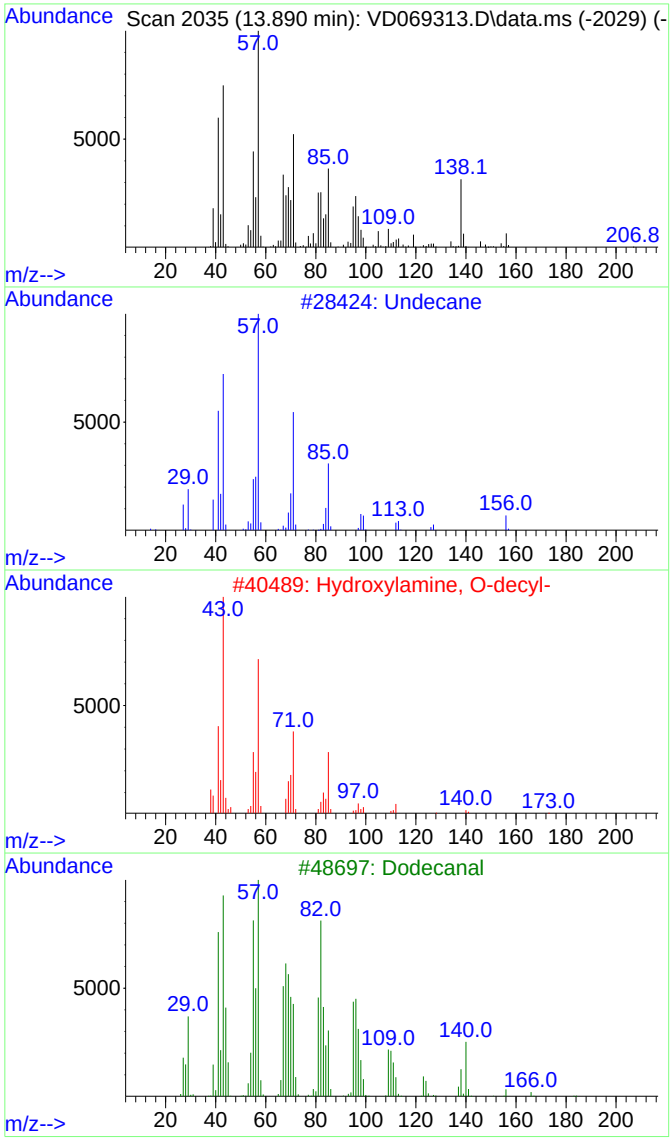
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

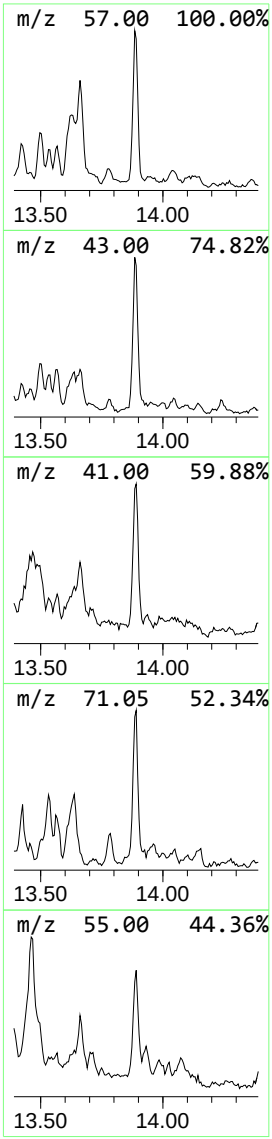
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Undecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.890	35.36 ug/l	1218040	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	55
2	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	46
3	Dodecanal	184	C12H24O	000112-54-9	43
4	Cyclononanone, 2-hydroxy-	156	C9H16O2	000496-83-3	42
5	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
Data File : VD069313.D
Acq On : 02 Jun 2021 20:43
Operator : VA/SY
Sample : M2580-13
Misc : 5.19G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

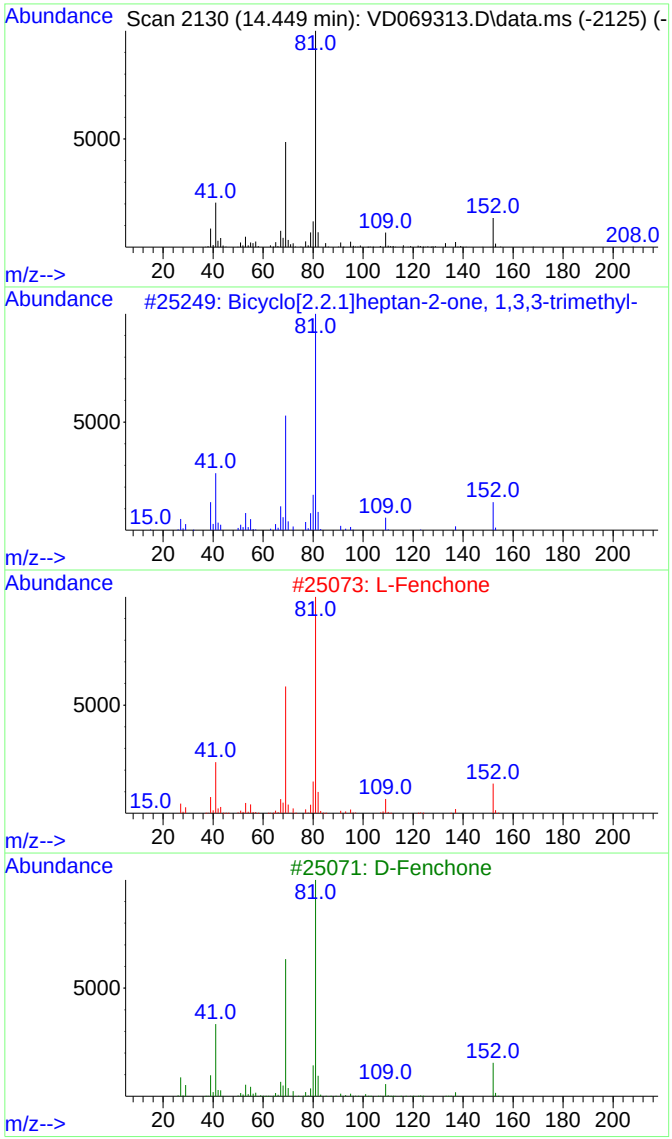
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

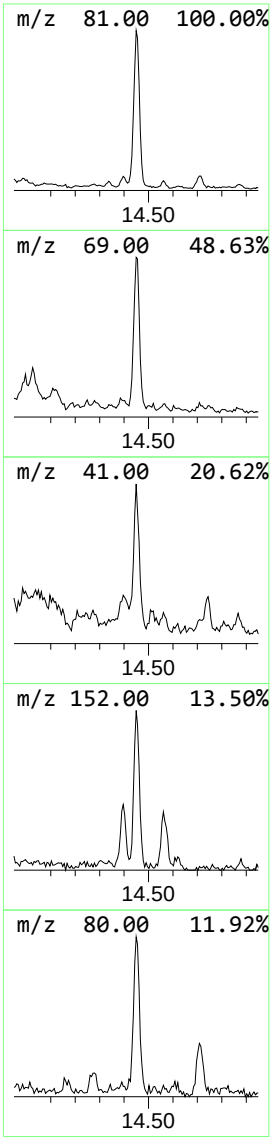
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.449	26.23 ug/l	903394	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	94
2	L-Fenchone	152	C10H16O	007787-20-4	94
3	D-Fenchone	152	C10H16O	004695-62-9	91
4	Ethanone, 1-(2-methyl-2-cyclopen...	124	C8H12O	001767-84-6	45
5	1-[4-(4-tert-Butyl-spirocyclohex...	371	C20H28F3NO2	1000301-43-3	33





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
Data File : VD069313.D
Acq On : 02 Jun 2021 20:43
Operator : VA/SY
Sample : M2580-13
Misc : 5.19G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 18-B5(0-2)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Octane, 2,6-dim...	12.267	22.7	ug/l	855442	3	11.644	1885920	50.0
Pentalene, octa...	12.349	32.3	ug/l	1219120	3	11.644	1885920	50.0
unknown12.379	12.379	29.6	ug/l	1114460	3	11.644	1885920	50.0
.alpha.-Pinene	12.485	307.9	ug/l	11615000	3	11.644	1885920	50.0
Camphene	12.732	22.6	ug/l	779960	4	13.567	1722210	50.0
Benzene, 1-ethy...	12.879	34.5	ug/l	1188160	4	13.567	1722210	50.0
.beta.-Pinene	13.038	38.5	ug/l	1325280	4	13.567	1722210	50.0
Decane, 4-methyl-	13.179	27.3	ug/l	938580	4	13.567	1722210	50.0
Undecane	13.890	35.4	ug/l	1218040	4	13.567	1722210	50.0
Bicyclo[2.2.1]h...	14.449	26.2	ug/l	903394	4	13.567	1722210	50.0