LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068169.D
Acq On : 25 Jan 2021 15:02
Operator : VA/SY
Sample : M1216-03
Misc : 1.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-102

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\82D011921S.M
Title : SW846 8260

Signal : TIC: VD068169.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.038	184	190	200	rVB	87031	186907	6.93%	0.710%
2	3.415	243	254	266	rVB2	49777	126805	4.70%	0.482%
3	3.885	326	334	343	rVB4	15029	41421	1.54%	0.157%
4	4.973	506	519	545	rBV5	110949	563626	20.89%	2.141%
5	5.491	593	607	624	rVB3	35746	130751	4.85%	0.497%
6	5.997	682	693	706	rVB2	135462	410248	15.20%	1.559%
7	6.285	732	742	747	rBV7	10399	33295	1.23%	0.127%
8	6.344	747	752	764	rVB3	12418	37609	1.39%	0.143%
9	6.773	817	825	834	rBV6	14116	42028	1.56%	0.160%
10	6.926	841	851	859	rBV5	14262	42383	1.57%	0.161%
11	7.032	859	869	879	rVV2	78529	224037	8.30%	0.851%
12	7.738	975	989	996	rBV4	33733	92421	3.43%	0.351%
13	7.920	1011	1020	1024	rBV2	326705	775131	28.73%	2.945%
14	7.979	1024	1030	1040	rVV	751705	1832892	67.93%	6.964%
15	8.067	1040	1045	1057	rVB3	36519	90204	3.34%	0.343%
16	8.191	1058	1066	1074	rBV	81307	185132	6.86%	0.703%
17	8.338	1079	1091	1104	rVB2	306147	765891	28.39%	2.910%
18	8.467	1104	1113	1115	rBV5	37685	81178	3.01%	0.308%
19	8.514	1116	1121	1130	rVV4	65480	196498	7.28%	0.747%
20	8.603	1131	1136	1146	rVB2	27549	63251	2.34%	0.240%
21	8.726	1148	1157	1167	rBV	159411	341277	12.65%	1.297%
22	8.867	1171	1181	1195	rBV	1001007	2046575	75.85%	7.776%
23	9.355	1251	1264	1270	rBV2	160834	380008	14.08%	1.444%
24	9.408	1270	1273	1281	rVB6	26240	51547	1.91%	0.196%
25	9.538	1290	1295	1303	rVB2	24425	48697	1.80%	0.185%
26	9.779	1330	1336	1344	rVB2	45461	94176	3.49%	0.358%
27	9.867	1347	1351	1355	rBV2	27638	54439	2.02%	0.207%
28	9.920	1355	1360	1365	rVV3	51606	105680	3.92%	0.402%
29	9.979	1365	1370	1382	rVB3	74995	180857	6.70%	0.687%
30	10.120	1387	1394	1404	rVB2	67905	151087	5.60%	0.574%
31	10.344	1424	1432	1438	rBV	1493574	2698129	100.00%	10.251%
32	10.408	1438	1443	1450	rVB	692746	1220178	45.22%	4.636%
33	10.526	1456	1463	1470	rVB	153604	275497	10.21%	1.047%
34	10.955	1532	1536	1540	rBV6	19352	29857	1.11%	0.113%
35	11.191	1573	1576	1581	rVB2	30760	46124	1.71%	0.175%
36	11.244	1583	1585	1592	rVB5	21825	35369	1.31%	0.134%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
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Operator : VA/SY
Sample : M1216-03
Misc : 1.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-102

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\82D011921S.M
Title : SW846 8260

37	11.426	1612	1616	1629	rVB5	71869	175861	6.52%	0.668%
38	11.532	1630	1634	1639	rVB	45255	67622	2.51%	0.257%
39	11.649	1646	1654	1663	rBV	1105043	1970737	73.04%	7.488%
40	11.744	1665	1670	1679	rVV	192075	328999	12.19%	1.250%
41	11.855	1681	1689	1699	rVB	737831	1477387	54.76%	5.613%
42	12.179	1736	1744	1752	rBV	249181	514831	19.08%	1.956%
43	12.273	1756	1760	1764	rVB2	33030	54893	2.03%	0.209%
44	12.485	1791	1796	1801	rBV	94573	182170	6.75%	0.692%
45	12.567	1806	1810	1811	rVV2	56415	88426	3.28%	0.336%
46	12.632	1815	1821	1831	rVB	845032	1508631	55.91%	5.732%
47	12.885	1859	1864	1867	rBV	198611	345653	12.81%	1.313%
48	12.914	1867	1869	1872	rVV3	164647	244881	9.08%	0.930%
49	12.949	1872	1875	1882	rVB2	370962	604619	22.41%	2.297%
50	13.185	1912	1915	1923	rVB3	91893	131835	4.89%	0.501%
51	13.267	1924	1929	1934	rVB	278991	440255	16.32%	1.673%
52	13.490	1964	1967	1972	rVB4	65548	108583	4.02%	0.413%
53	13.573	1976	1981	1990	rVB	982488	1579479	58.54%	6.001%
54	13.643	1990	1993	1995	rBV4	59245	76079	2.82%	0.289%
55	13.773	2011	2015	2019	rBV3	100833	197801	7.33%	0.752%
56	13.896	2031	2036	2040	rBV2	375679	576627	21.37%	2.191%
57	14.114	2068	2073	2077	rBV3	80643	138969	5.15%	0.528%
58	14.220	2088	2091	2097	rVB4	78919	120319	4.46%	0.457%
59	14.361	2109	2115	2117	rBV7	51709	117569	4.36%	0.447%
60	14.408	2119	2123	2127	rVV3	109173	189538	7.02%	0.720%
61	14.520	2139	2142	2146	rBV5	62773	101785	3.77%	0.387%
62	14.567	2147	2150	2155	rVB4	68269	107569	3.99%	0.409%
63	14.749	2177	2181	2187	rVB2	209302	338235	12.54%	1.285%
64	14.820	2188	2193	2198	rVV5	103262	250271	9.28%	0.951%
65	14.873	2199	2202	2209	rVB6	109806	207471	7.69%	0.788%
66	15.090	2235	2239	2244	rVB7	63286	104341	3.87%	0.396%
67	15.361	2281	2285	2293	rVB6	47578	101878	3.78%	0.387%
68	15.596	2322	2325	2333	rVB4	69114	133287	4.94%	0.506%
69	15.784	2353	2357	2361	rBV7	29344	52070	1.93%	0.198%

Sum of corrected areas: 26319876

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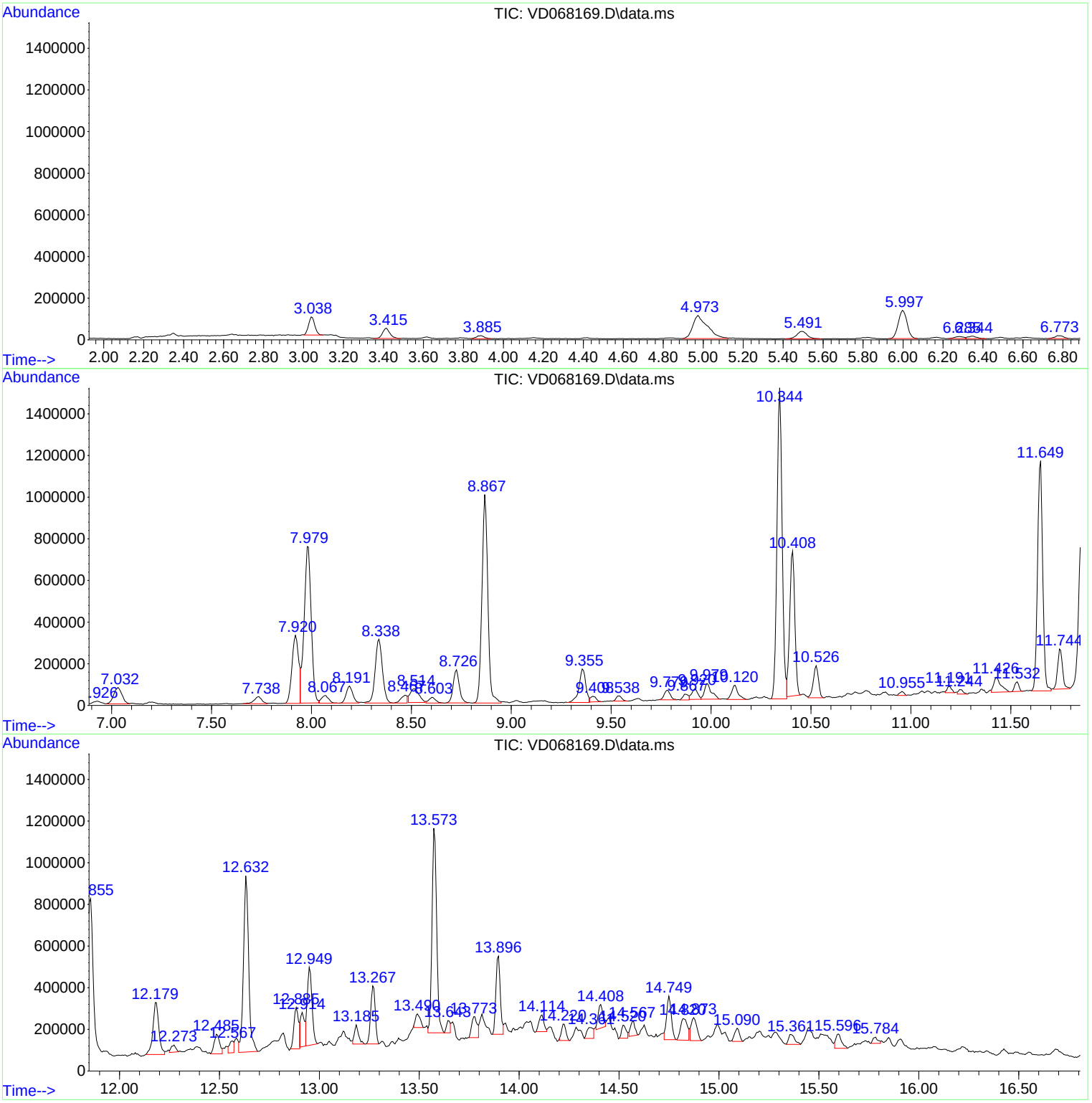
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PS-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068169.D
Acq On : 25 Jan 2021 15:02
Operator : VA/SY
Sample : M1216-03
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Quant Title : SW846 8260

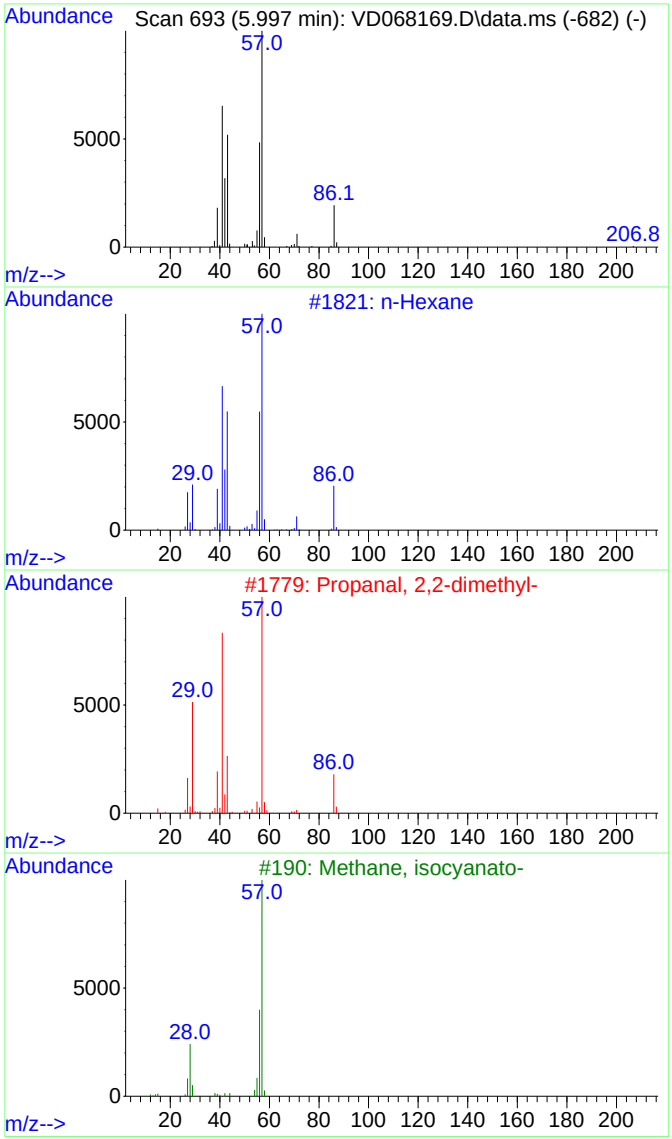
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

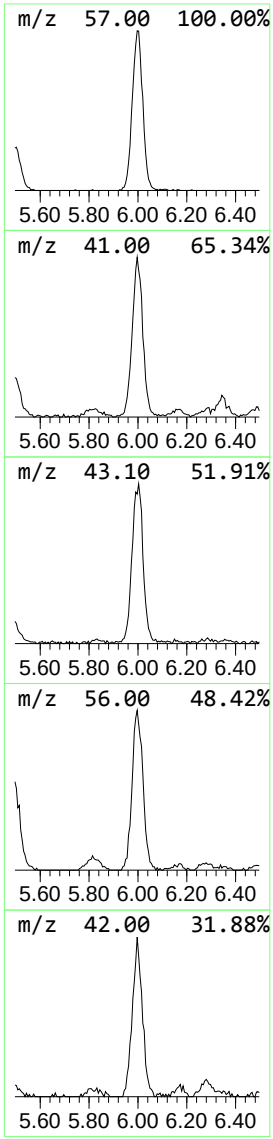
****

Peak Number 1 n-Hexane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.997	11.19 ug/l	410248	Pentafluorobenzene	7.985

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	94
2	Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	43
3	Methane, isocyanato-	57	C2H3NO	000624-83-9	38
4	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	38
5	1-Butanol, 3,3-dimethyl-	102	C6H14O	000624-95-3	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068169.D
Acq On : 25 Jan 2021 15:02
Operator : VA/SY
Sample : M1216-03
Misc : 1.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-102

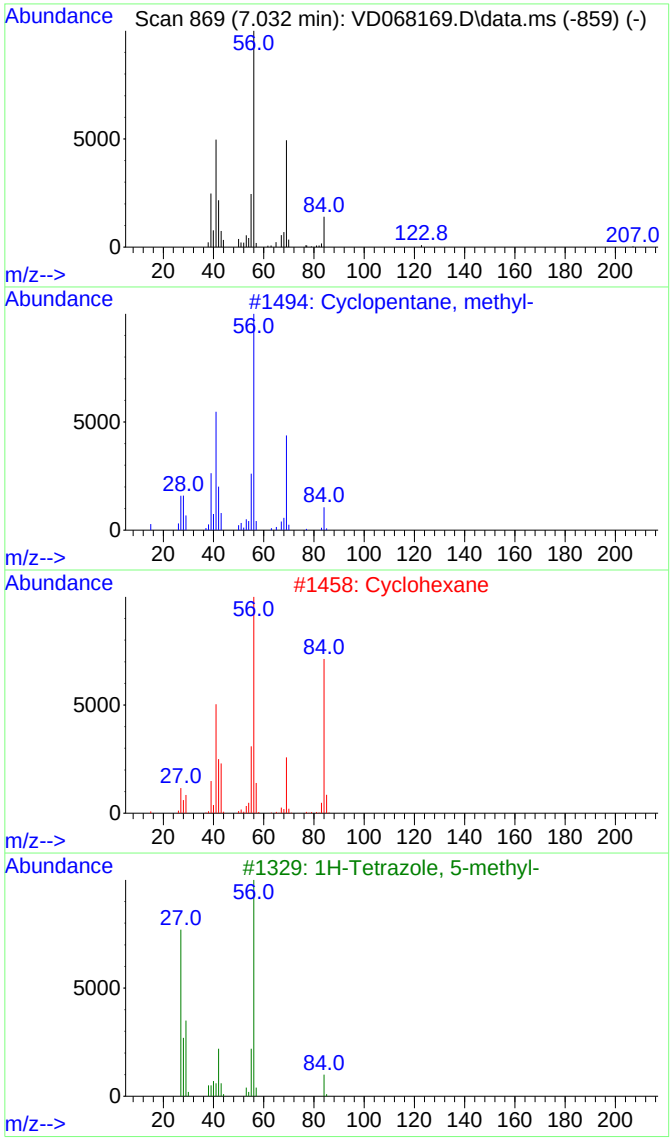
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

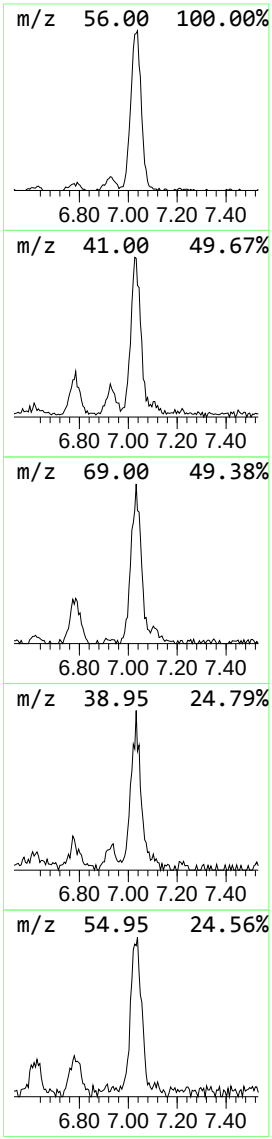
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.032	6.11 ug/l	224037	Pentafluorobenzene	7.985

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclohexane	84	C6H12	000110-82-7	74
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	59
5	Hexyl trifluoroacetate	198	C8H13F3O2	000400-61-3	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068169.D
Acq On : 25 Jan 2021 15:02
Operator : VA/SY
Sample : M1216-03
Misc : 1.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

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

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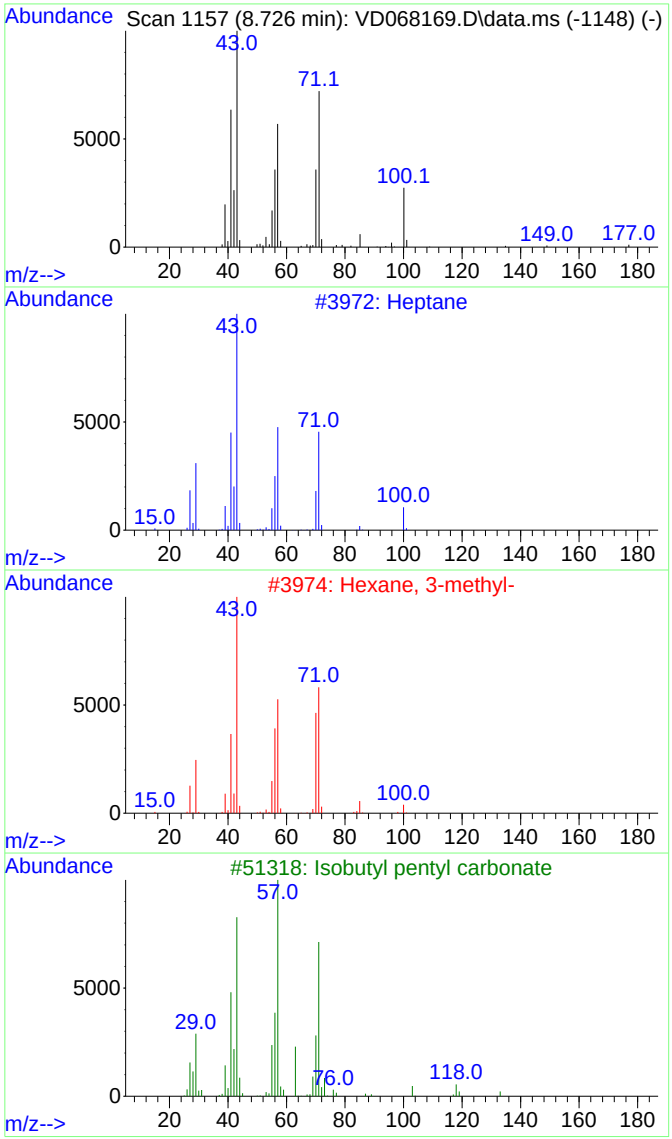
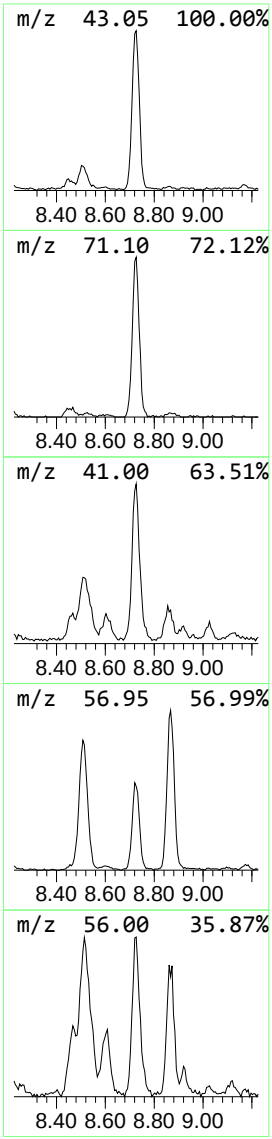
Peak Number 3 Heptane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.726	8.34 ug/l	341277	1,4-Difluorobenzene	8.867

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	59
3	Isobutyl pentyl carbonate	188	C10H20O3	178442-32-5	59
4	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	49
5	3-Hexanone	100	C6H12O	000589-38-8	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068169.D
Acq On : 25 Jan 2021 15:02
Operator : VA/SY
Sample : M1216-03
Misc : 1.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

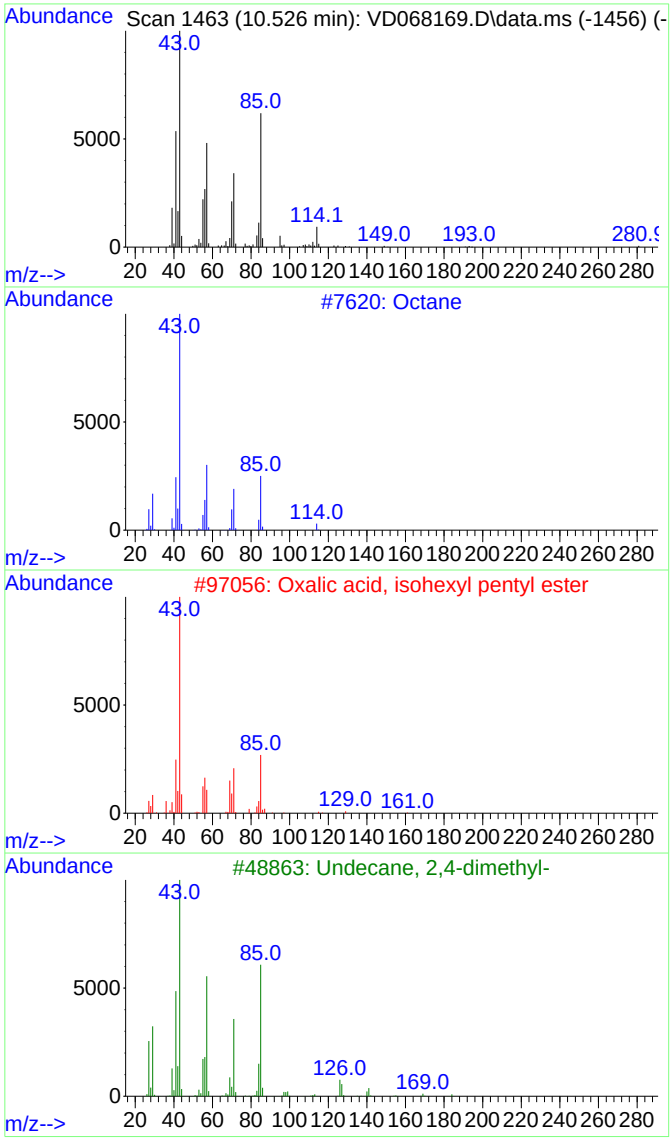
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

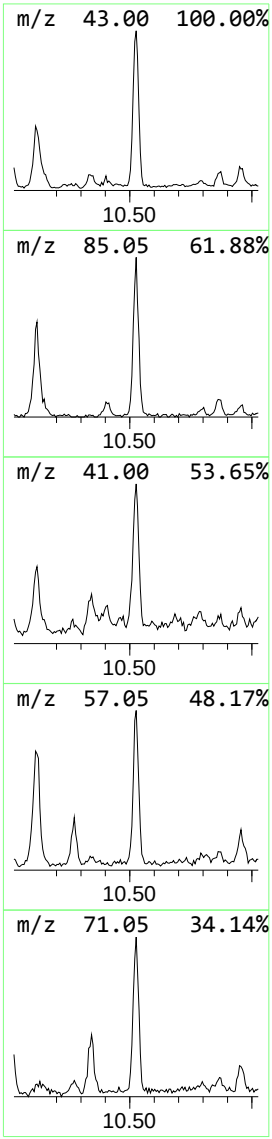
****

Peak Number 4 Octane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.526	6.99 ug/l	275497	Chlorobenzene-d5	11.649

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	91
2	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	59
3	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	53
4	Oxalic acid, diisohexyl ester	258	C14H26O4	1000309-32-9	50
5	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
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Misc : 1.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PS-102

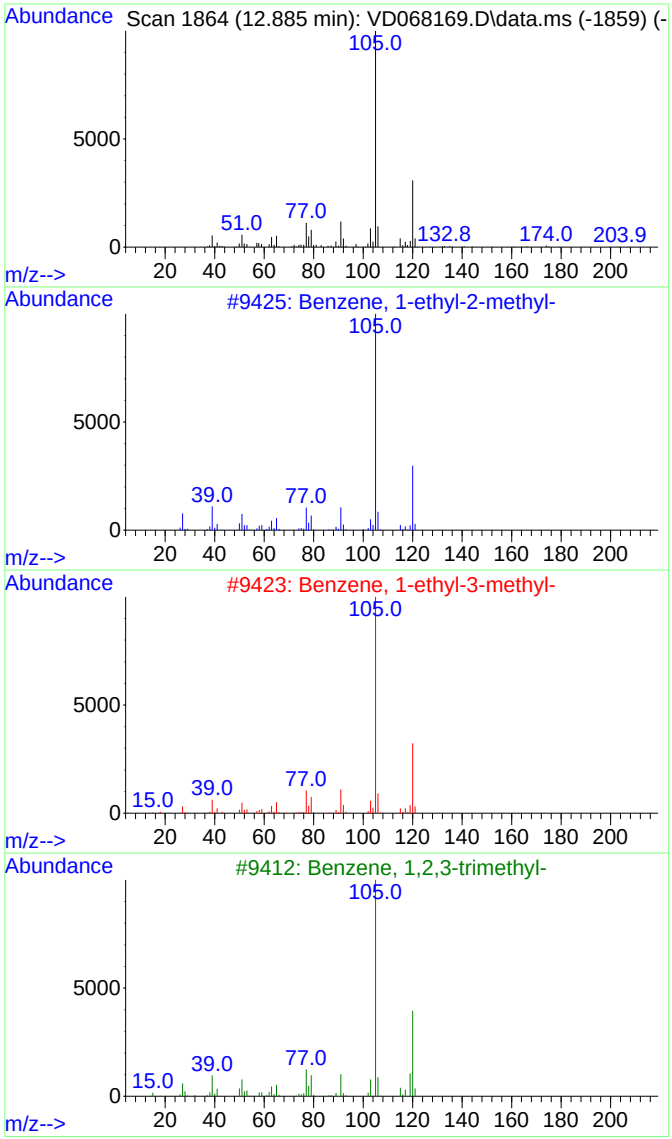
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

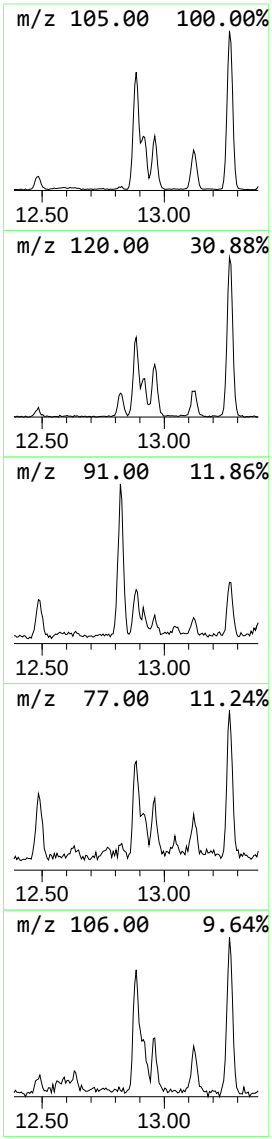
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.885	10.94 ug/l	345653	1,4-Dichlorobenzene-d4	13.573

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	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

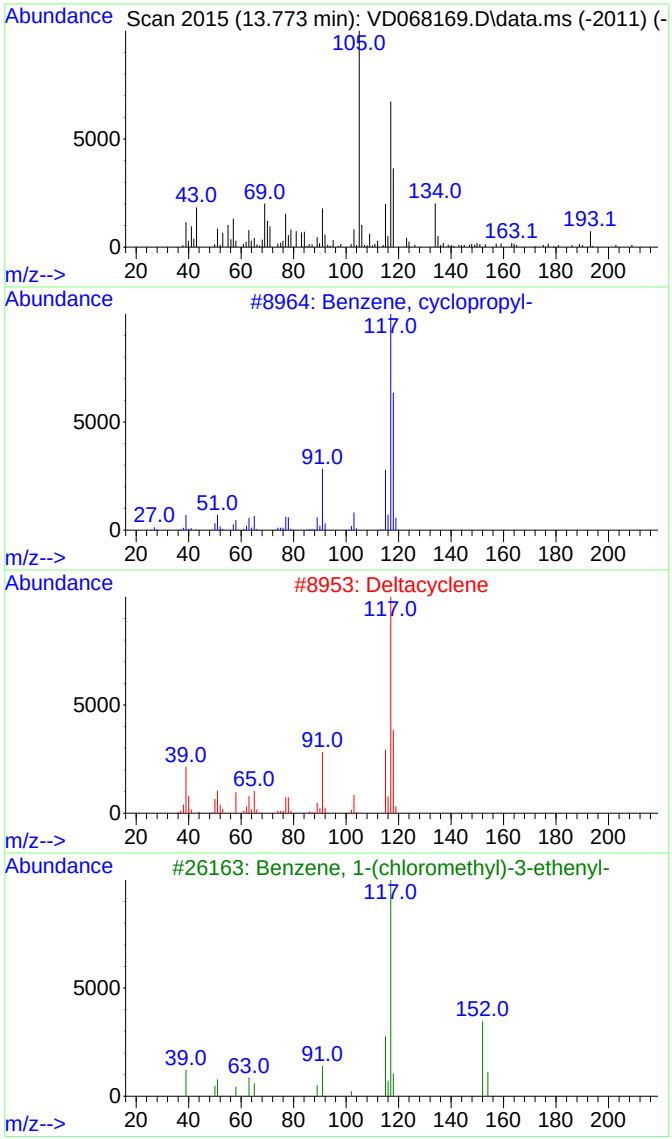
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

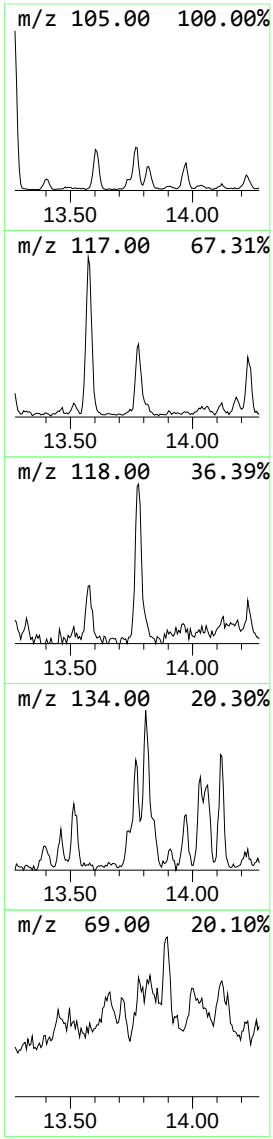
****

Peak Number 6 unknown13.773 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.773	6.26 ug/l	197801	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	38
2	Deltacyclene	118	C9H10	007785-10-6	38
3	Benzene, 1-(chloromethyl)-3-ethe...	152	C9H9Cl	039833-65-3	35
4	Indane	118	C9H10	000496-11-7	30
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068169.D
Acq On : 25 Jan 2021 15:02
Operator : VA/SY
Sample : M1216-03
Misc : 1.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

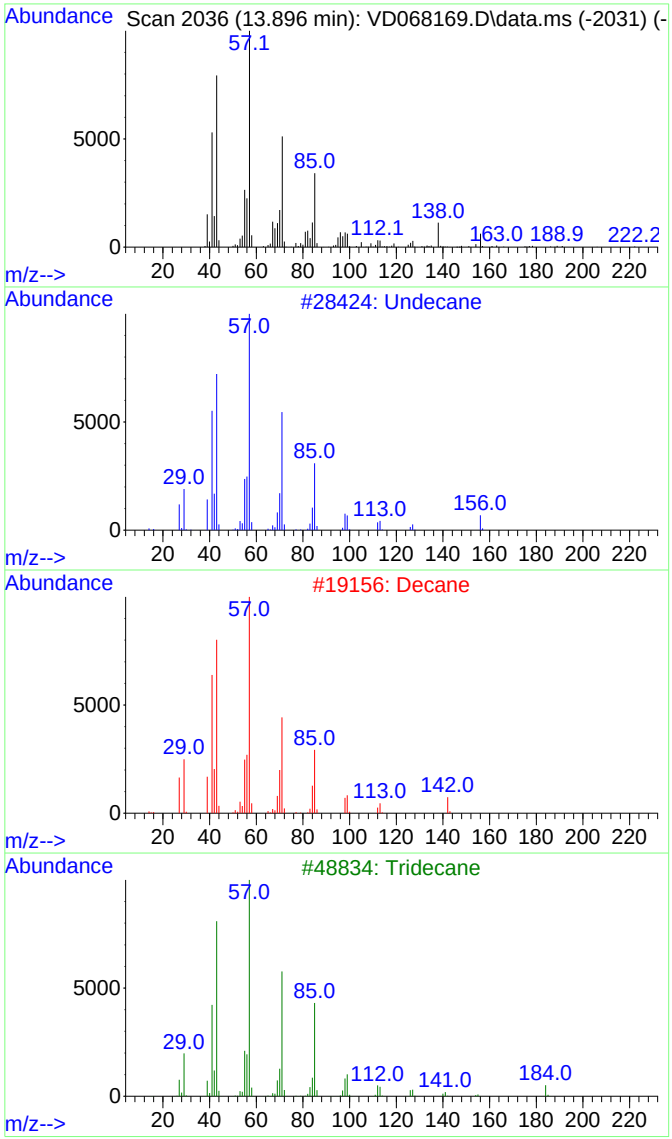
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

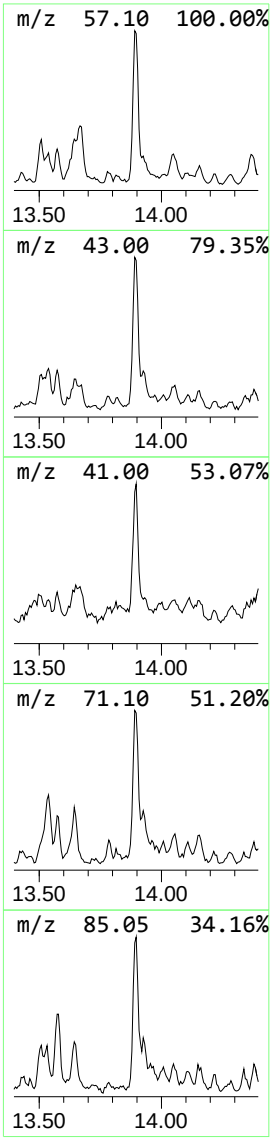
****

Peak Number 7 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.896	18.25 ug/l	576627	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	94
2	Decane	142	C10H22	000124-18-5	91
3	Tridecane	184	C13H28	000629-50-5	80
4	Tetradecane	198	C14H30	000629-59-4	64
5	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068169.D
Acq On : 25 Jan 2021 15:02
Operator : VA/SY
Sample : M1216-03
Misc : 1.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

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

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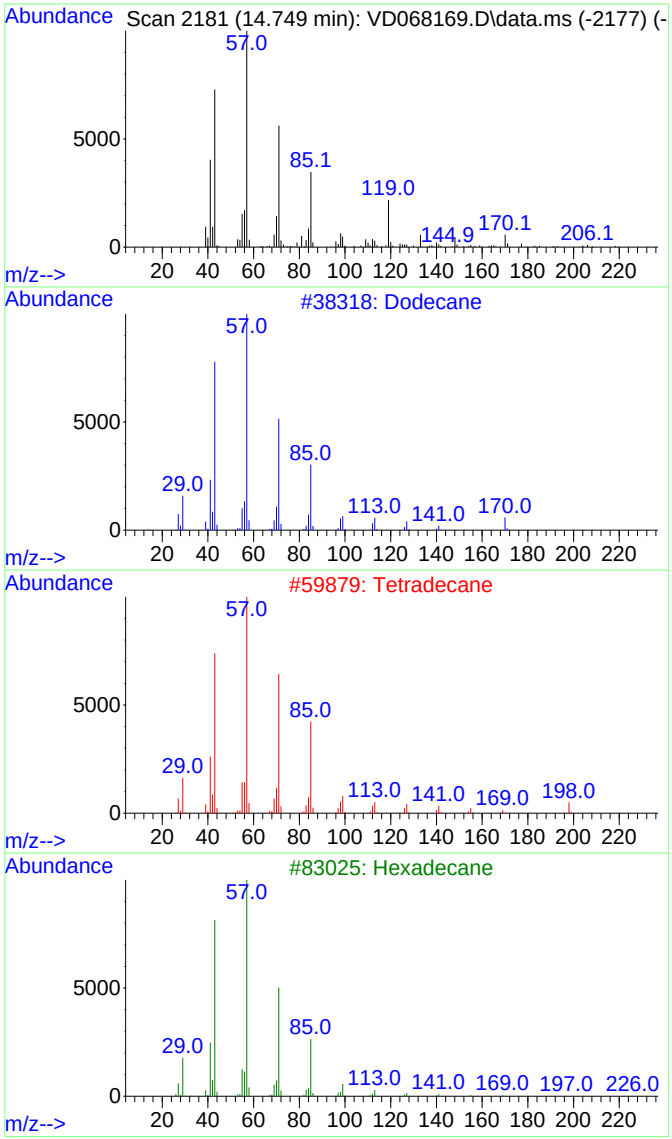
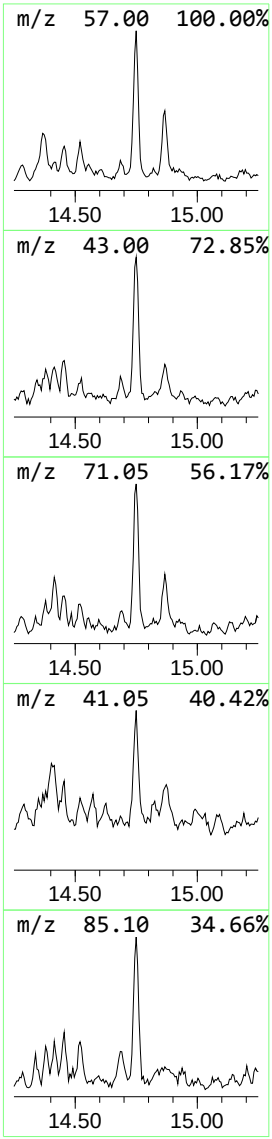
Peak Number 8 Dodecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.749	10.71 ug/l	338235	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	62
2	Tetradecane	198	C14H30	000629-59-4	50
3	Hexadecane	226	C16H34	000544-76-3	49
4	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	43
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068169.D
Acq On : 25 Jan 2021 15:02
Operator : VA/SY
Sample : M1216-03
Misc : 1.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

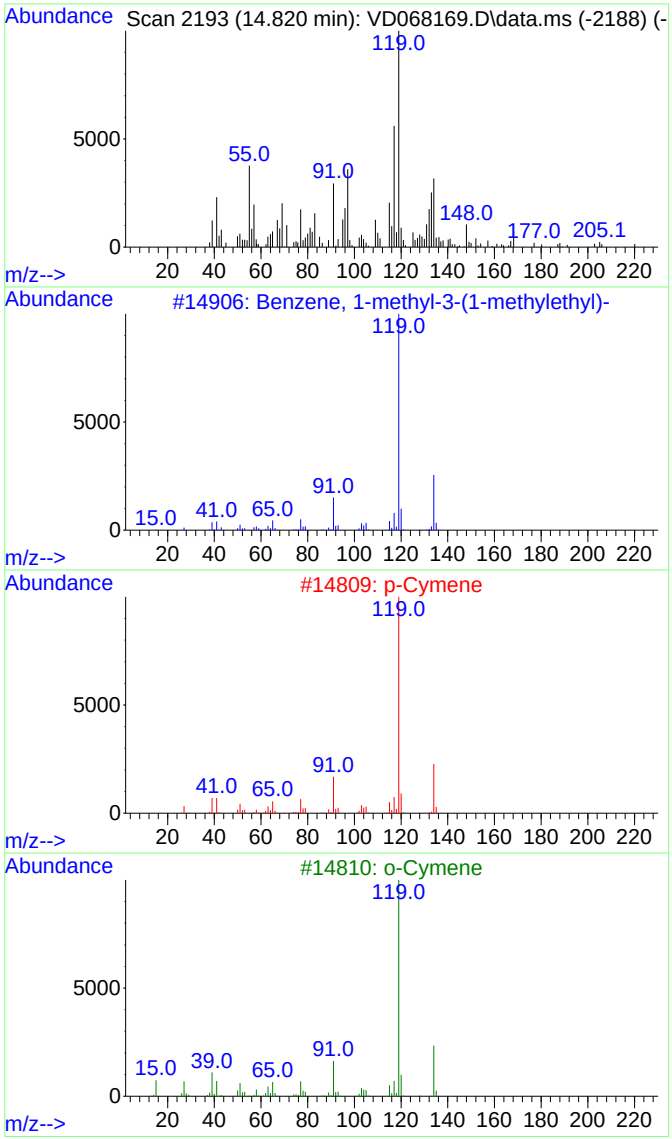
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

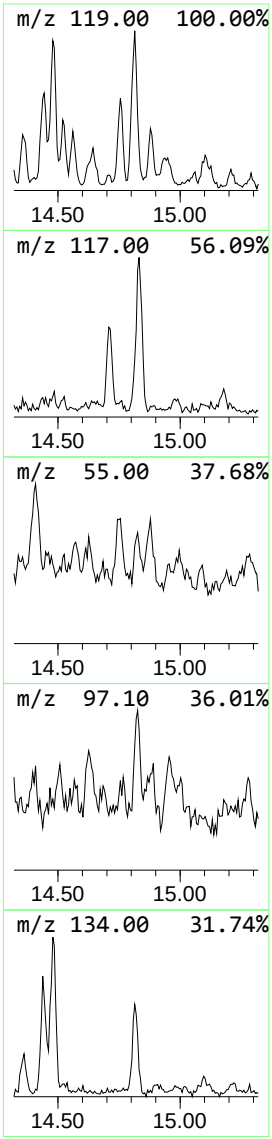
****

Peak Number 9 unknown.14.820 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.820	7.92 ug/l	250271	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	41
2	p-Cymene	134	C10H14	000099-87-6	41
3	o-Cymene	134	C10H14	000527-84-4	41
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	41
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068169.D
Acq On : 25 Jan 2021 15:02
Operator : VA/SY
Sample : M1216-03
Misc : 1.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-102

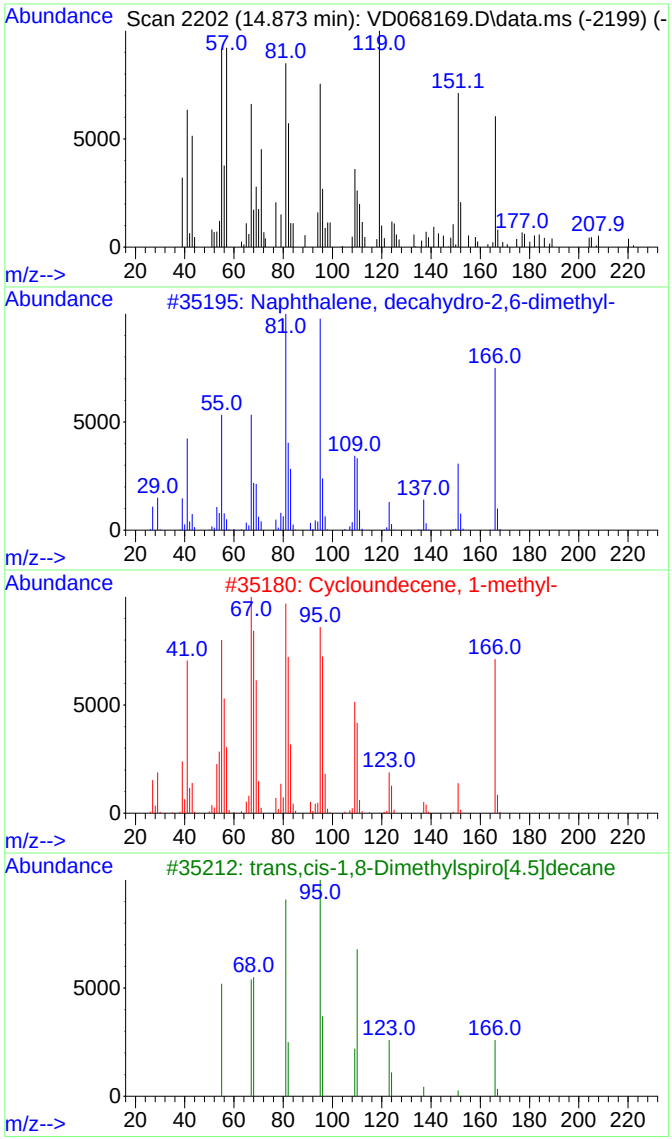
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

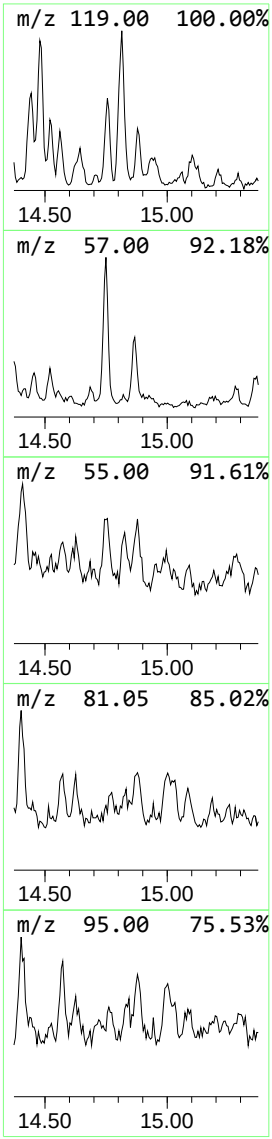
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, decahydro-2,6-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.873	6.57 ug/l	207471	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	64
2	Cycloundecene, 1-methyl-	166	C12H22	088828-82-4	55
3	trans,cis-1,8-Dimethylspiro[4.5]...	166	C12H22	1000111-72-9	49
4	trans,trans-1,8-Dimethylspiro[4....	166	C12H22	1000111-72-8	49
5	2-(1-Hydroxybut-2-enylidene)cycl...	166	C10H14O2	1000186-18-9	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068169.D
Acq On : 25 Jan 2021 15:02
Operator : VA/SY
Sample : M1216-03
Misc : 1.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.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
n-Hexane	5.997	11.2	ug/l	410248	1	7.985	1832890	50.0
Cyclopentane, m...	7.032	6.1	ug/l	224037	1	7.985	1832890	50.0
Heptane	8.726	8.3	ug/l	341277	2	8.867	2046580	50.0
Octane	10.526	7.0	ug/l	275497	3	11.649	1970740	50.0
Benzene, 1-ethy...	12.885	10.9	ug/l	345653	4	13.573	1579480	50.0
unknown13.773	13.773	6.3	ug/l	197801	4	13.573	1579480	50.0
Undecane	13.896	18.3	ug/l	576627	4	13.573	1579480	50.0
Dodecane	14.749	10.7	ug/l	338235	4	13.573	1579480	50.0
unknown.14.820	14.820	7.9	ug/l	250271	4	13.573	1579480	50.0
Naphthalene, de...	14.873	6.6	ug/l	207471	4	13.573	1579480	50.0