LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010621\
Data File : VD068017.D
Acq On : 06 Jan 2021 16:49
Operator : VA/SY
Sample : M1023-01
Misc : 6.85G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-04-010621

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\82D122220S.M
Title : SW846 8260

Signal : TIC: VD068017.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.321	63	68	72	rBV3	7953	13280	1.58%	0.171%
2	4.156	372	380	387	rBV3	14332	37675	4.48%	0.485%
3	7.914	1010	1019	1024	rBV2	126562	302598	35.96%	3.896%
4	7.979	1024	1030	1039	rVV	177657	429011	50.98%	5.523%
5	8.073	1039	1046	1050	rVB3	7849	16760	1.99%	0.216%
6	8.191	1056	1066	1075	rBV2	30919	73121	8.69%	0.941%
7	8.332	1081	1090	1101	rBV	134274	297920	35.41%	3.836%
8	8.508	1114	1120	1129	rVB2	19774	50565	6.01%	0.651%
9	8.720	1149	1156	1164	rBV2	41494	84729	10.07%	1.091%
10	8.867	1172	1181	1192	rBV	297399	606479	72.07%	7.808%
11	9.355	1257	1264	1270	rBV6	20612	39997	4.75%	0.515%
12	9.779	1327	1336	1343	rVB6	12918	28424	3.38%	0.366%
13	9.914	1351	1359	1366	rBV8	16580	39203	4.66%	0.505%
14	10.108	1385	1392	1393	rBV4	5660	8851	1.05%	0.114%
15	10.273	1413	1420	1424	rBV5	5508	9731	1.16%	0.125%
16	10.344	1424	1432	1437	rVV	472161	841463	100.00%	10.834%
17	10.402	1437	1442	1451	rVV	245569	460207	54.69%	5.925%
18	10.520	1455	1462	1468	rVB5	16717	33710	4.01%	0.434%
19	10.685	1485	1490	1495	rVB4	8190	15452	1.84%	0.199%
20	10.779	1497	1506	1510	rBV6	7252	15848	1.88%	0.204%
21	10.955	1531	1536	1542	rBV4	5306	8913	1.06%	0.115%
22	11.191	1572	1576	1581	rVV5	9873	17245	2.05%	0.222%
23	11.249	1581	1586	1592	rVB5	18707	35731	4.25%	0.460%
24	11.426	1609	1616	1617	rBV3	8535	10820	1.29%	0.139%
25	11.532	1630	1634	1638	rBV2	8732	12245	1.46%	0.158%
26	11.649	1644	1654	1663	rBV	414252	739475	87.88%	9.521%
27	11.744	1665	1670	1679	rVV2	24480	50701	6.03%	0.653%
28	11.849	1683	1688	1699	rVV4	88194	207913	24.71%	2.677%
29	11.926	1699	1701	1709	rVB5	10549	16588	1.97%	0.214%
30	12.179	1733	1744	1751	rBV4	32281	95145	11.31%	1.225%
31	12.267	1756	1759	1763	rVB3	11281	14774	1.76%	0.190%
32	12.355	1763	1774	1776	rBV5	18126	32995	3.92%	0.425%
33	12.632	1815	1821	1830	rVB	297263	502185	59.68%	6.466%
34	12.720	1832	1836	1842	rBV9	5854	8877	1.05%	0.114%
35	12.796	1844	1849	1857	rVB7	21612	54021	6.42%	0.696%
36	12.885	1857	1864	1867	rBV3	33397	61877	7.35%	0.797%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010621\
Data File : VD068017.D
Acq On : 06 Jan 2021 16:49
Operator : VA/SY
Sample : M1023-01
Misc : 6.85G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-04-010621

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\82D122220S.M
Title : SW846 8260

37	12.949	1870	1875	1883	rVV3	78957	173422	20.61%	2.233%
38	13.008	1883	1885	1891	rVB6	15886	22152	2.63%	0.285%
39	13.102	1896	1901	1903	rBV6	14260	24093	2.86%	0.310%
40	13.185	1911	1915	1923	rBV7	23639	38656	4.59%	0.498%
41	13.267	1923	1929	1934	rVV	55719	90550	10.76%	1.166%
42	13.308	1934	1936	1940	rVB5	8614	9747	1.16%	0.125%
43	13.402	1948	1952	1955	rVB6	10274	13940	1.66%	0.179%
44	13.461	1955	1962	1967	rBV9	23307	53537	6.36%	0.689%
45	13.508	1967	1970	1973	rVV5	16632	22636	2.69%	0.291%
46	13.573	1975	1981	1991	rVB	354354	627040	74.52%	8.073%
47	13.649	1991	1994	2000	rVB6	11986	15963	1.90%	0.206%
48	13.714	2000	2005	2010	rBV9	14353	32054	3.81%	0.413%
49	13.773	2011	2015	2018	rBV5	20643	30429	3.62%	0.392%
50	13.814	2018	2022	2025	rVB5	14968	19867	2.36%	0.256%
51	13.896	2031	2036	2041	rBV3	90995	146967	17.47%	1.892%
52	14.008	2052	2055	2056	rBV3	9383	10183	1.21%	0.131%
53	14.038	2056	2060	2061	rVV4	13839	16465	1.96%	0.212%
54	14.114	2069	2073	2078	rVB3	29506	43759	5.20%	0.563%
55	14.161	2078	2081	2086	rVB6	14967	19456	2.31%	0.250%
56	14.226	2087	2092	2097	rVB7	31271	49826	5.92%	0.642%
57	14.285	2097	2102	2109	rBV10	20044	42695	5.07%	0.550%
58	14.373	2110	2117	2119	rBV8	20758	41374	4.92%	0.533%
59	14.408	2119	2123	2127	rBV6	30568	49667	5.90%	0.639%
60	14.443	2127	2129	2133	rVB5	12160	14943	1.78%	0.192%
61	14.526	2139	2143	2146	rBV6	20562	36705	4.36%	0.473%
62	14.567	2147	2150	2155	rVB6	33664	54551	6.48%	0.702%
63	14.714	2172	2175	2177	rBV4	12259	17193	2.04%	0.221%
64	14.755	2177	2182	2187	rVB4	47763	79591	9.46%	1.025%
65	14.826	2188	2194	2199	rVV6	48560	119736	14.23%	1.542%
66	14.867	2199	2201	2209	rVB5	54428	99209	11.79%	1.277%
67	14.990	2217	2222	2226	rBV7	21733	38071	4.52%	0.490%
68	15.090	2236	2239	2243	rVB6	19910	27592	3.28%	0.355%
69	15.367	2281	2286	2293	rBV5	44020	87563	10.41%	1.127%
70	15.449	2296	2300	2303	rVV6	15308	21204	2.52%	0.273%
71	15.596	2321	2325	2333	rVB5	37615	73093	8.69%	0.941%
72	15.773	2352	2355	2363	rVB9	26982	52840	6.28%	0.680%
73	15.908	2376	2378	2383	rVB5	19298	23183	2.76%	0.298%
74	16.214	2423	2430	2435	rBV5	21471	54272	6.45%	0.699%
75	16.343	2449	2452	2458	rVB8	21207	37705	4.48%	0.485%
76	16.420	2461	2465	2466	rBV4	9630	11195	1.33%	0.144%

LSC Area Percent Report

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Acq On : 06 Jan 2021 16:49
Operator : VA/SY
Sample : M1023-01
Misc : 6.85G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-04-010621

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\82D122220S.M
Title : SW846 8260

77	16.561	2485	2489	2492	rVB5	15853	23922	2.84%	0.308%
78	16.696	2506	2512	2513	rBV6	15594	25474	3.03%	0.328%

Sum of corrected areas: 7767049

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010621\
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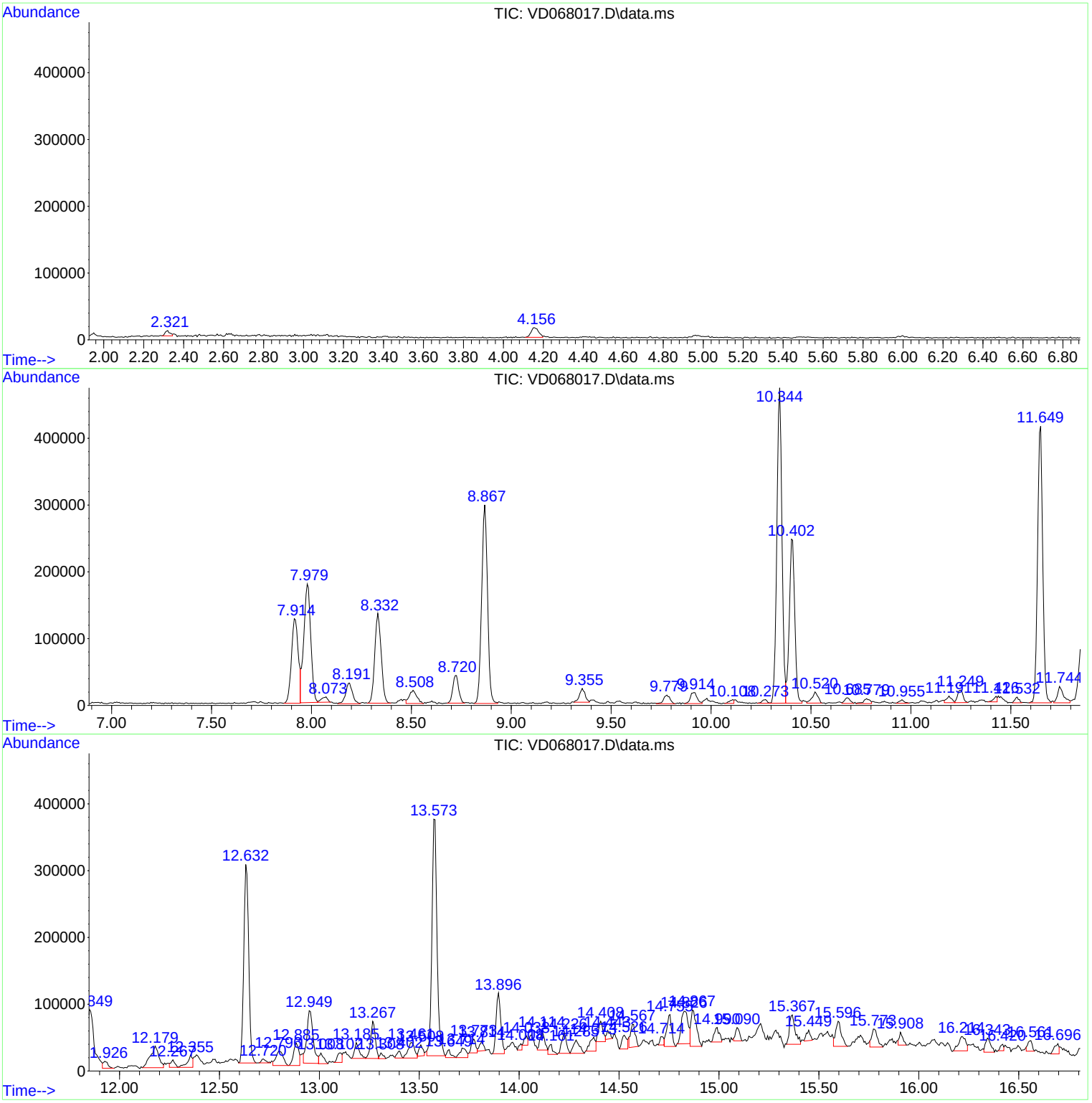
Acq On : 06 Jan 2021 16:49
Operator : VA/SY
Sample : M1023-01
Misc : 6.85G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010621\
Data File : VD068017.D
Acq On : 06 Jan 2021 16:49
Operator : VA/SY
Sample : M1023-01
Misc : 6.85G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260

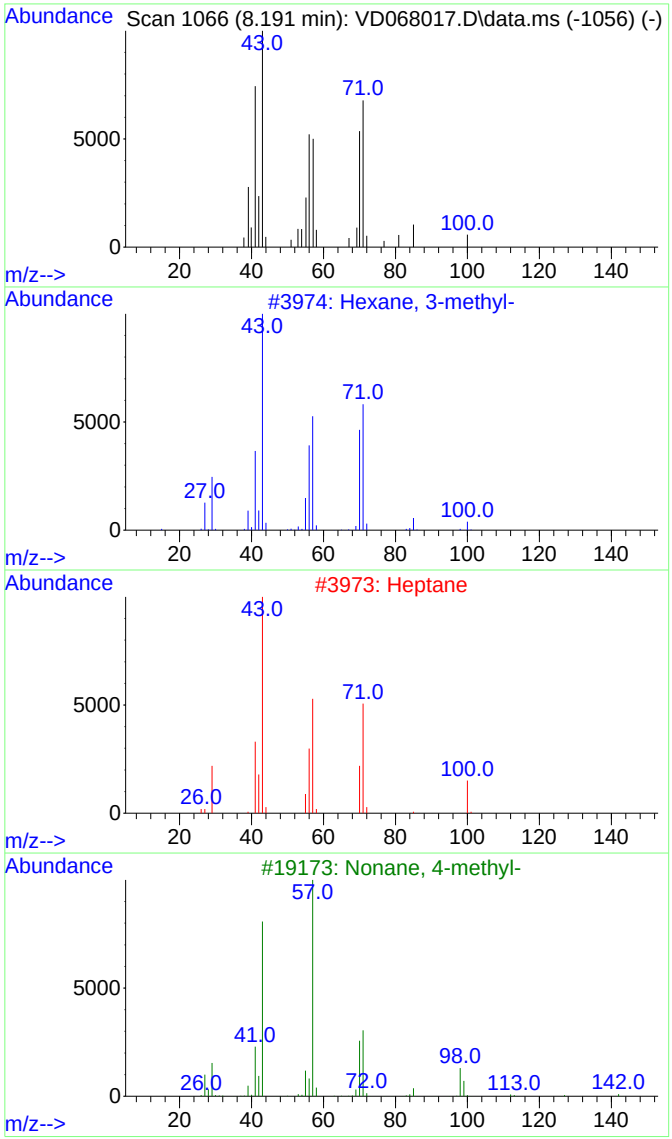
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

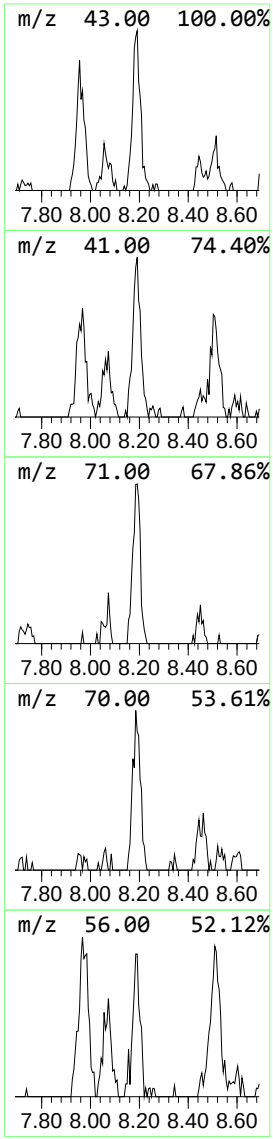
****

Peak Number 1 Hexane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.191	8.52 ug/l	73121	Pentafluorobenzene	7.985

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	74
2	Heptane	100	C7H16	000142-82-5	52
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	47
4	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	43
5	1-Trifluoroacetoxy-2-methylpentane	198	C8H13F3O2	155089-96-6	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010621\
Data File : VD068017.D
Acq On : 06 Jan 2021 16:49
Operator : VA/SY
Sample : M1023-01
Misc : 6.85G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-04-010621

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260

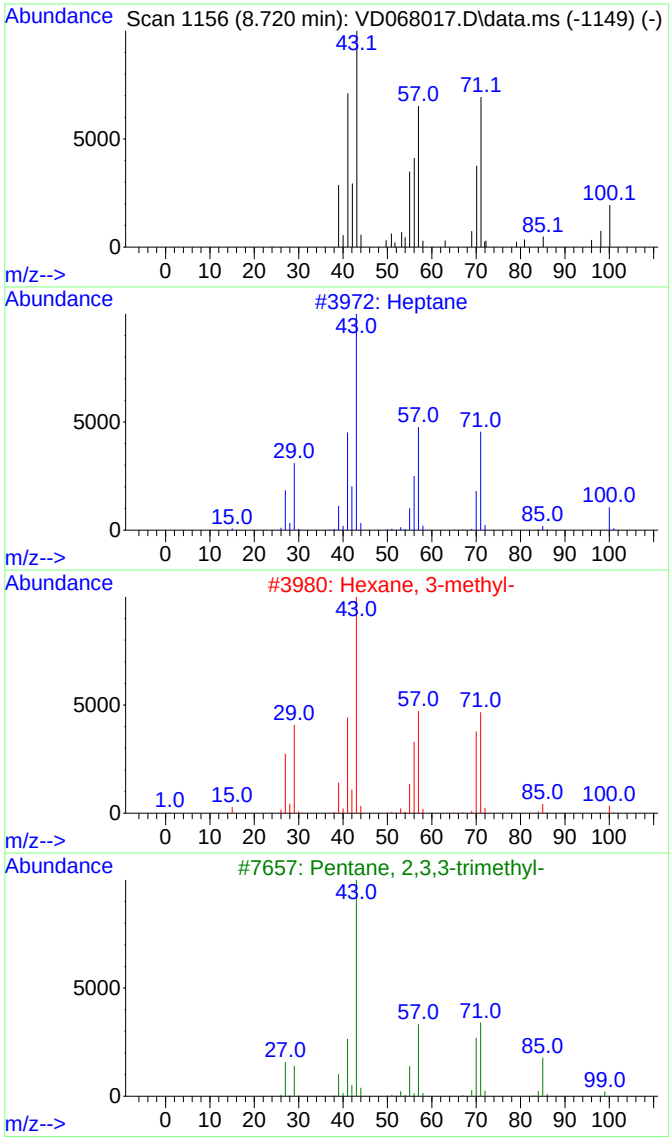
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

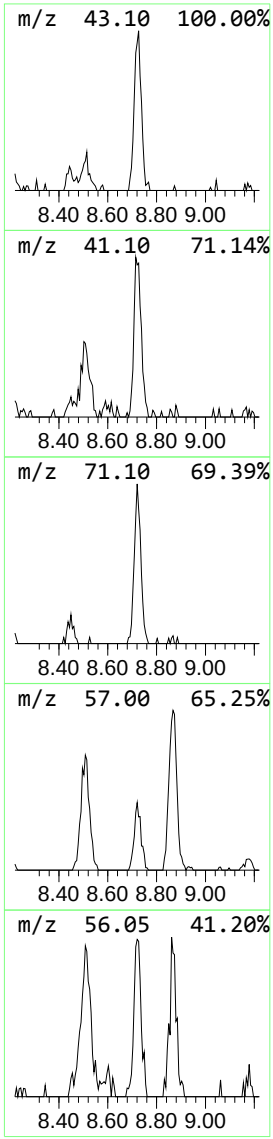
****

Peak Number 2 Heptane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.720	6.99 ug/l	84729	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	64
3	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	43
4	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	43
5	1-Heptene	98	C7H14	000592-76-7	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010621\
Data File : VD068017.D
Acq On : 06 Jan 2021 16:49
Operator : VA/SY
Sample : M1023-01
Misc : 6.85G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260

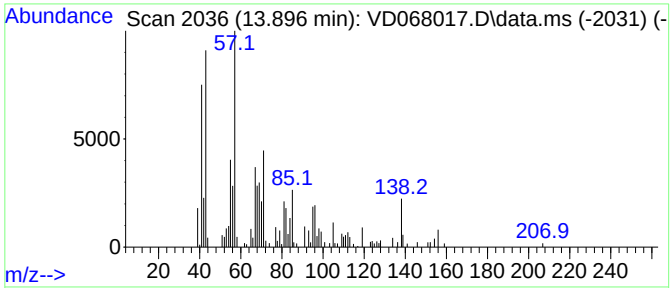
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

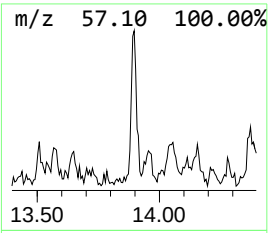
****

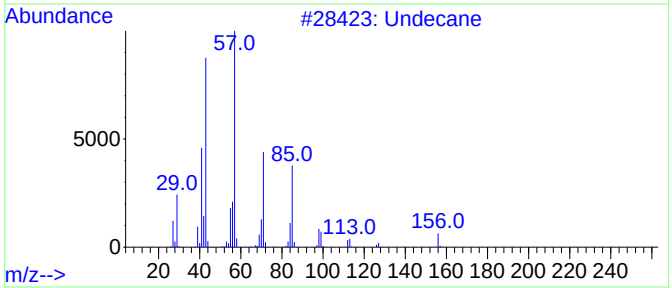
Peak Number 3 unknown13.896 Concentration Rank 1

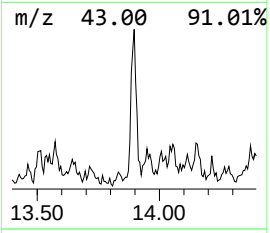
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.896	11.72 ug/l	146967	1,4-Dichlorobenzene-d4	13.579

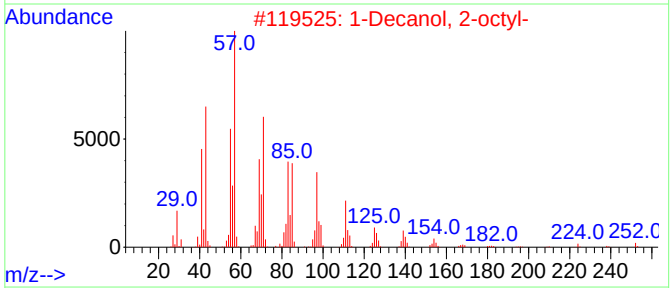
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	46
2	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	43
3	Decane	142	C10H22	000124-18-5	43
4	Octane	114	C8H18	000111-65-9	35
5	Dodecane	170	C12H26	000112-40-3	35

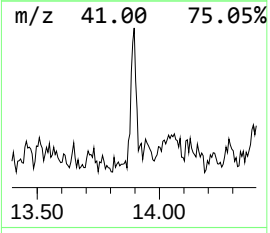


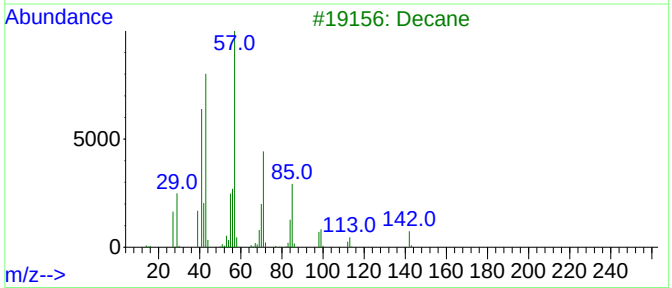


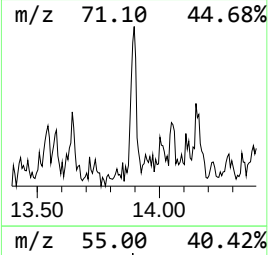


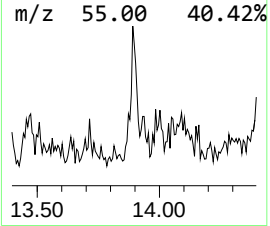












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Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260

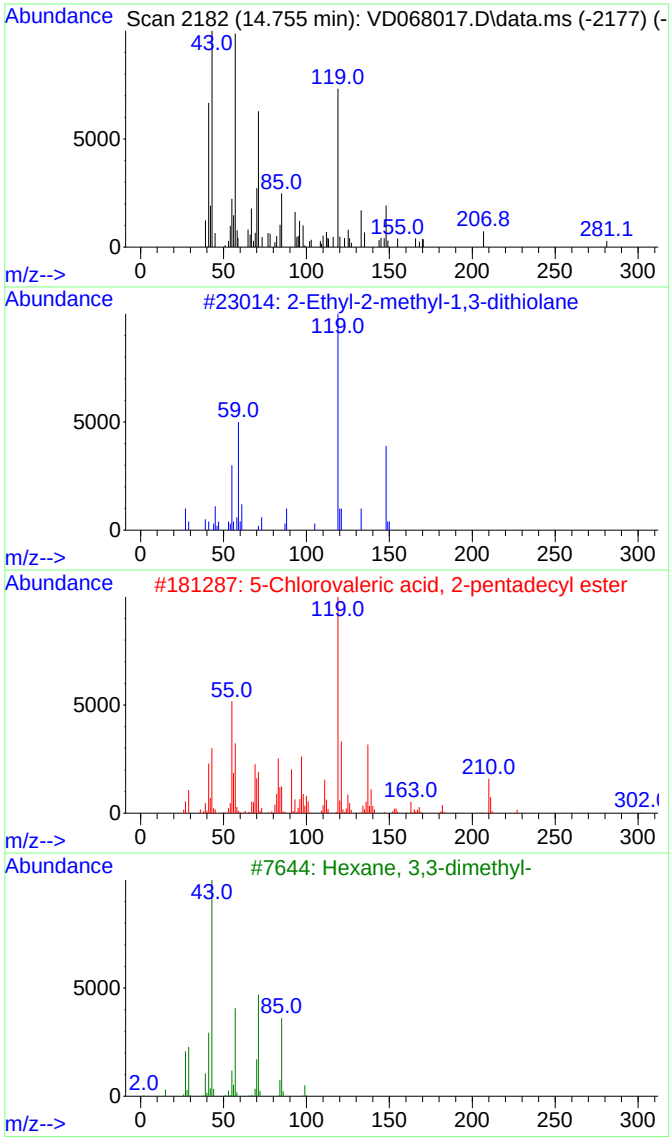
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

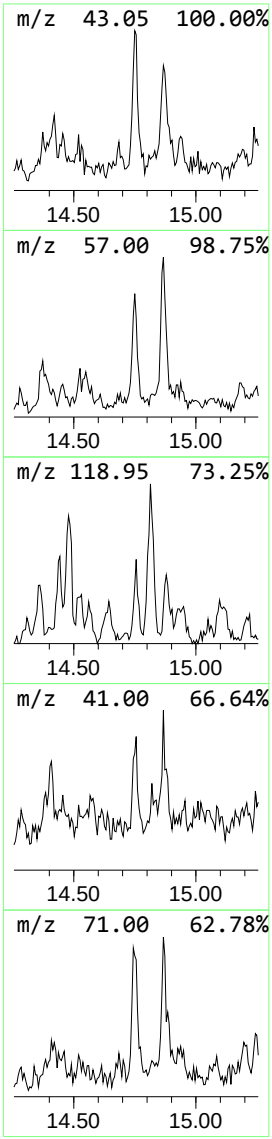
****

Peak Number 4 unknown14.755 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.755	6.35 ug/l	79591	1,4-Dichlorobenzene-d4	13.579

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-2-methyl-1,3-dithiolane	148	C6H12S2	006008-81-7	35
2	5-Chlorovaleric acid, 2-pentadec...	346	C20H39ClO2	1000299-92-0	35
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	27
4	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	27
5	Tridecane	184	C13H28	000629-50-5	22





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Data File : VD068017.D
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Operator : VA/SY
Sample : M1023-01
Misc : 6.85G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

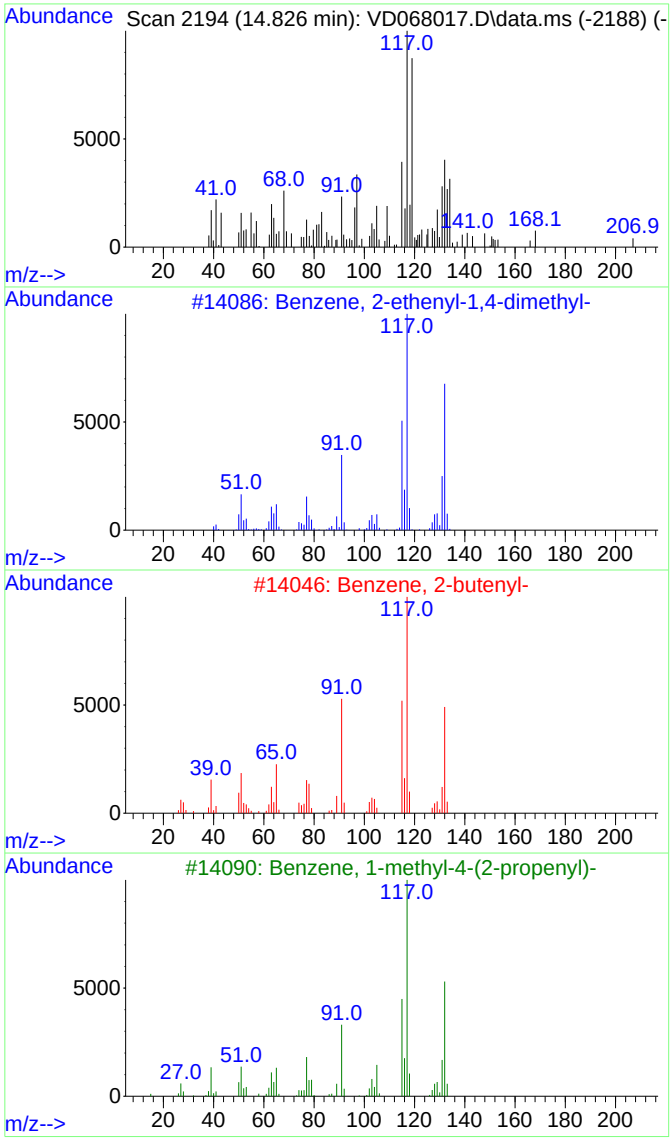
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260

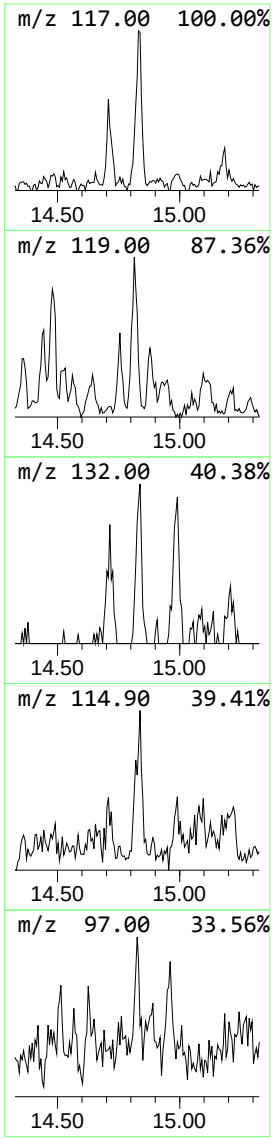
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.826	9.55 ug/l	119736	1,4-Dichlorobenzene-d4	13.579

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	50
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	50
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	45
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	43
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010621\
Data File : VD068017.D
Acq On : 06 Jan 2021 16:49
Operator : VA/SY
Sample : M1023-01
Misc : 6.85G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SU-04-010621

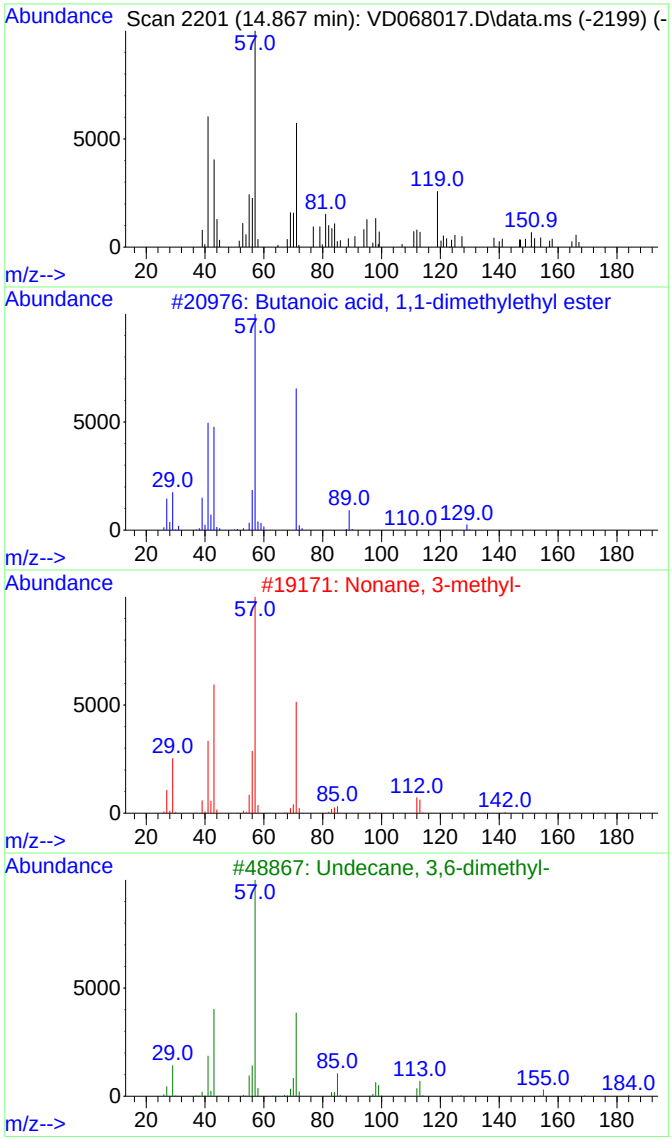
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260

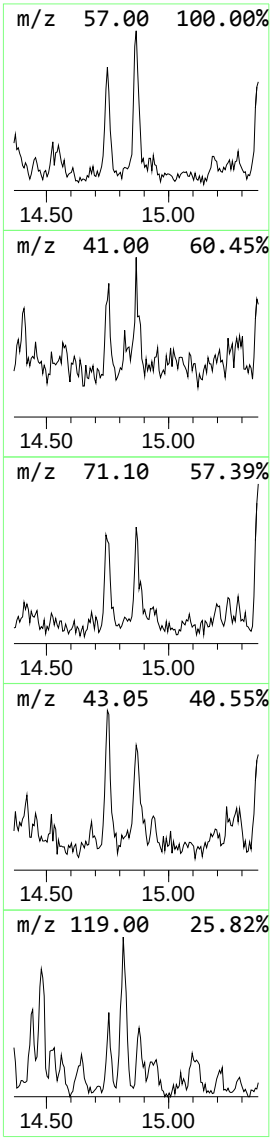
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown14.867 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.867	7.91 ug/l	99209	1,4-Dichlorobenzene-d4	13.579

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1,1-dimethylethyl...	144	C8H16O2	002308-38-5	43
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	43
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	43
4	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	43
5	2-Ethyl-1-hexanol, pentafluoropr...	276	C11H17F5O2	1000365-51-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010621\
Data File : VD068017.D
Acq On : 06 Jan 2021 16:49
Operator : VA/SY
Sample : M1023-01
Misc : 6.85G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-04-010621

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260

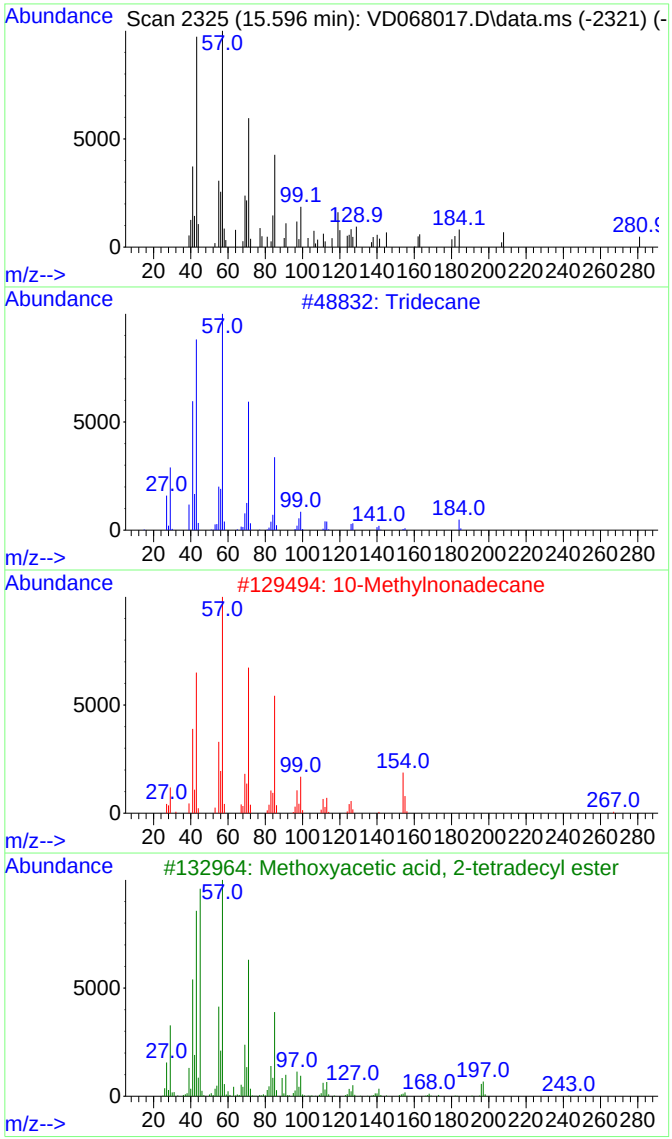
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

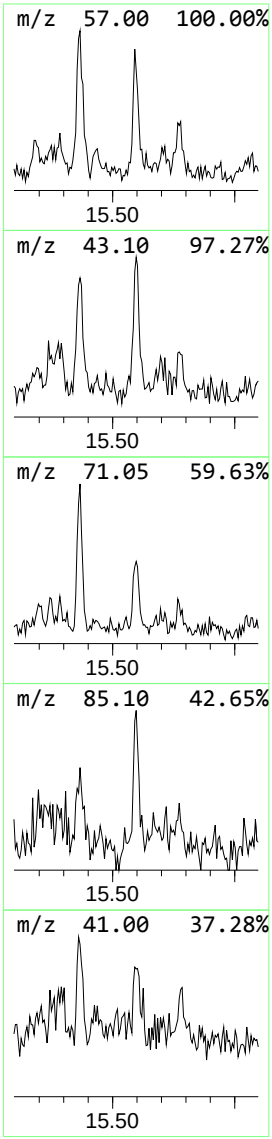
****

Peak Number 7 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.596	5.83 ug/l	73093	1,4-Dichlorobenzene-d4	13.579

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	70
2	10-Methylnonadecane	282	C20H42	056862-62-5	64
3	Methoxyacetic acid, 2-tetradecyl...	286	C17H34O3	1000282-04-8	64
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	64
5	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010621\
Data File : VD068017.D
Acq On : 06 Jan 2021 16:49
Operator : VA/SY
Sample : M1023-01
Misc : 6.85G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-04-010621

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.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
Hexane, 3-methyl-	8.191	8.5	ug/l	73121	1	7.985	429011	50.0
Heptane	8.720	7.0	ug/l	84729	2	8.867	606479	50.0
unknown13.896	13.896	11.7	ug/l	146967	4	13.579	627040	50.0
unknown14.755	14.755	6.3	ug/l	79591	4	13.579	627040	50.0
Benzene, 2-ethe...	14.826	9.6	ug/l	119736	4	13.579	627040	50.0
unknown14.867	14.867	7.9	ug/l	99209	4	13.579	627040	50.0
Tridecane	15.596	5.8	ug/l	73093	4	13.579	627040	50.0