LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
Data File : VD064595.D
Acq On : 26 Dec 2019 13:14
Operator : VA/SY
Sample : K6435-02
Misc : 6.10G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SB-4E-(21.5-23.5)

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\82D122419S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.714	976	985	993	rBV2	60793	151517	5.72%	0.709%
2	7.920	1009	1020	1025	rBV	330120	788027	29.77%	3.686%
3	7.985	1025	1031	1043	rVB	589062	1320027	49.88%	6.174%
4	8.338	1081	1091	1102	rBV	256063	587749	22.21%	2.749%
5	8.867	1172	1181	1193	rBV	851827	1713555	64.74%	8.015%
6	9.361	1253	1265	1270	rBV3	19597	44941	1.70%	0.210%
7	10.344	1423	1432	1448	rBV	1352803	2490093	94.09%	11.647%
8	10.726	1493	1497	1501	rVB2	15852	27479	1.04%	0.129%
9	11.091	1555	1559	1569	rVV5	23246	39903	1.51%	0.187%
10	11.243	1581	1585	1591	rVB2	34041	60891	2.30%	0.285%
11	11.361	1598	1605	1608	rBV4	18849	33190	1.25%	0.155%
12	11.426	1608	1616	1626	rVB6	27477	84863	3.21%	0.397%
13	11.532	1628	1634	1640	rBV2	35307	56884	2.15%	0.266%
14	11.649	1646	1654	1665	rBV	1363473	2370709	89.57%	11.088%
15	11.832	1680	1685	1690	rBV8	21567	50444	1.91%	0.236%
16	11.891	1691	1695	1699	rVV	38134	62257	2.35%	0.291%
17	11.932	1699	1702	1707	rVB5	35146	59924	2.26%	0.280%
18	11.991	1707	1712	1716	rBV5	17164	33830	1.28%	0.158%
19	12.085	1720	1728	1733	rVB5	25158	50609	1.91%	0.237%
20	12.155	1733	1740	1747	rBV4	81186	198716	7.51%	0.929%
21	12.273	1753	1760	1765	rVB	169545	253816	9.59%	1.187%
22	12.385	1765	1779	1786	rBV6	199869	617761	23.34%	2.889%
23	12.479	1791	1795	1797	rVV4	33811	60374	2.28%	0.282%
24	12.526	1798	1803	1806	rVV5	93152	200672	7.58%	0.939%
25	12.561	1806	1809	1816	rVV	155441	264632	10.00%	1.238%
26	12.638	1816	1822	1832	rVB	1520762	2561403	96.78%	11.980%
27	12.726	1832	1837	1840	rBV6	27436	47265	1.79%	0.221%
28	12.802	1845	1850	1857	rVB3	137008	254322	9.61%	1.190%
29	12.879	1858	1863	1869	rBV6	55410	111021	4.19%	0.519%
30	12.961	1869	1877	1883	rBV4	201400	528182	19.96%	2.470%
31	13.014	1883	1886	1890	rVB3	91705	135608	5.12%	0.634%
32	13.102	1892	1901	1905	rBV3	82126	164077	6.20%	0.767%
33	13.155	1905	1910	1912	rBV3	49574	87868	3.32%	0.411%
34	13.190	1912	1916	1924	rVB2	300282	468675	17.71%	2.192%

LSC Area Percent Report

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Data File : VD064595.D
Acq On : 26 Dec 2019 13:14
Operator : VA/SY
Sample : K6435-02
Misc : 6.10G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SB-4E-(21.5-23.5)

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\82D122419S.M
Title : SW846 8260

35	13.320	1935	1938	1943	rVB5	27879	37528	1.42%	0.176%
36	13.373	1943	1947	1950	rBV	49573	70923	2.68%	0.332%
37	13.473	1956	1964	1968	rBV5	166368	359843	13.60%	1.683%
38	13.514	1968	1971	1974	rVV4	100074	146224	5.52%	0.684%
39	13.585	1974	1983	1991	rVB	1553274	2646626	100.00%	12.379%
40	13.649	1991	1994	2001	rVB5	42079	60400	2.28%	0.283%
41	13.726	2002	2007	2011	rBV7	45706	73712	2.79%	0.345%
42	13.849	2022	2028	2032	rBV6	35439	86477	3.27%	0.404%
43	13.902	2032	2037	2042	rVV3	148833	287504	10.86%	1.345%
44	13.949	2043	2045	2049	rVB4	37633	42863	1.62%	0.200%
45	14.108	2068	2072	2079	rVB5	81762	177638	6.71%	0.831%
46	14.237	2088	2094	2099	rVB8	39721	78936	2.98%	0.369%
47	14.296	2100	2104	2110	rVB9	19175	37779	1.43%	0.177%
48	14.361	2110	2115	2116	rBV5	20503	28977	1.09%	0.136%
49	14.414	2121	2124	2129	rVV6	44384	77286	2.92%	0.361%
50	14.532	2140	2144	2147	rBV6	26158	37720	1.43%	0.176%
51	14.579	2149	2152	2157	rVB5	32621	50336	1.90%	0.235%
52	14.726	2172	2177	2180	rBV6	23197	40925	1.55%	0.191%
53	14.832	2190	2195	2200	rVV5	53512	123463	4.66%	0.577%
54	14.879	2200	2203	2212	rVB4	62917	128836	4.87%	0.603%
55	15.102	2237	2241	2246	rVB9	29839	45920	1.74%	0.215%
56	15.214	2256	2260	2266	rBV7	24827	49892	1.89%	0.233%
57	15.379	2282	2288	2297	rBV4	74199	188482	7.12%	0.882%
58	15.555	2316	2318	2326	rVB9	28382	56012	2.12%	0.262%
59	15.714	2337	2345	2352	rBV9	25680	87346	3.30%	0.409%
60	15.796	2354	2359	2365	rVB7	37666	77429	2.93%	0.362%
61	16.237	2426	2434	2438	rBV7	29388	72821	2.75%	0.341%
62	16.361	2450	2455	2462	rVB3	49302	95728	3.62%	0.448%
63	16.708	2507	2514	2527	rVB3	41189	130996	4.95%	0.613%

Sum of corrected areas: 21379906

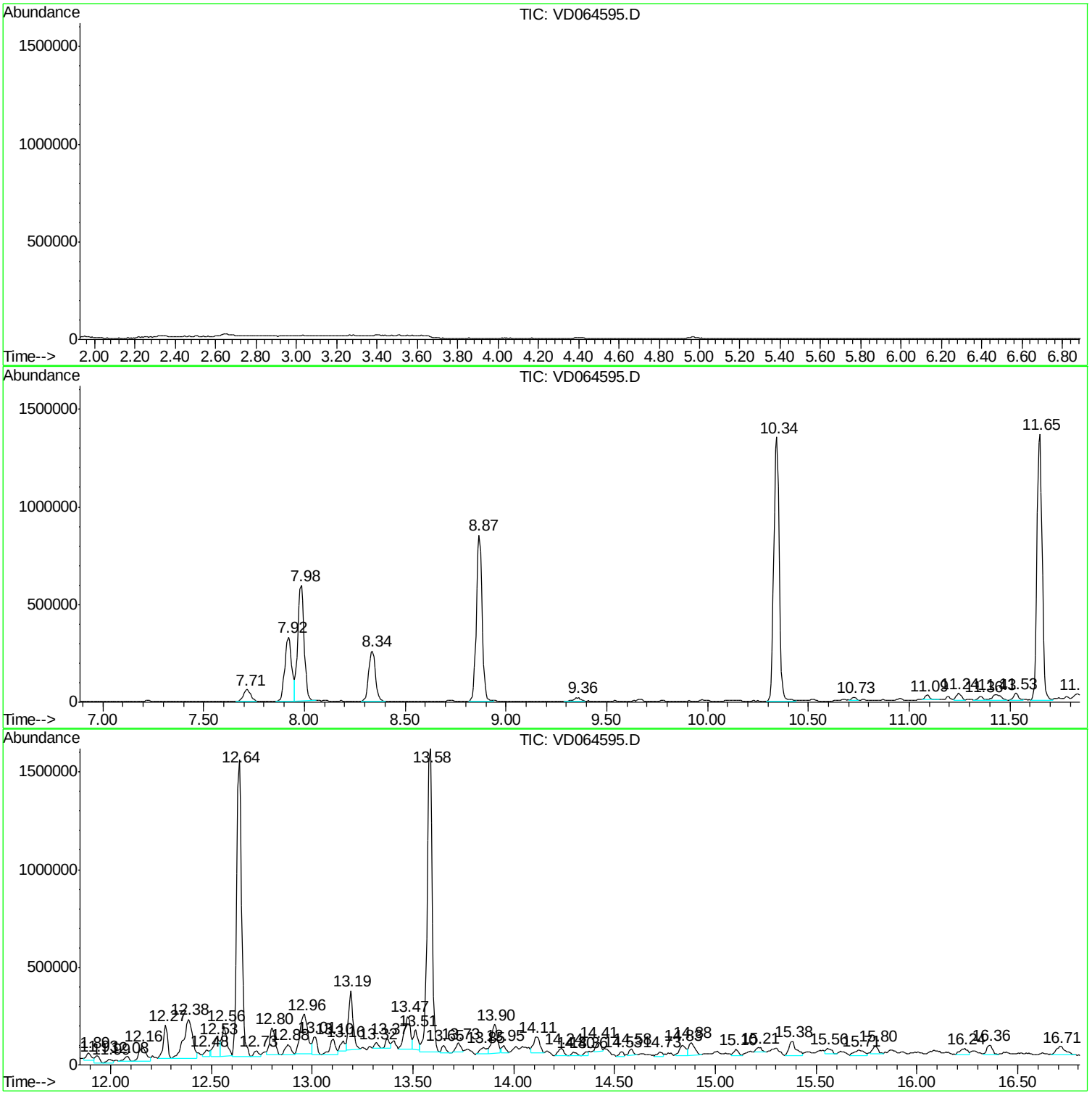
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122619\
Data File : VD064595.D
Acq On : 26 Dec 2019 13:14
Operator : VA/SY
Sample : K6435-02
Misc : 6.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SB-4E-(21.5-23.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
Data File : VD064595.D
Acq On : 26 Dec 2019 13:14
Operator : VA/SY
Sample : K6435-02
Misc : 6.10G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SB-4E-(21.5-23.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260

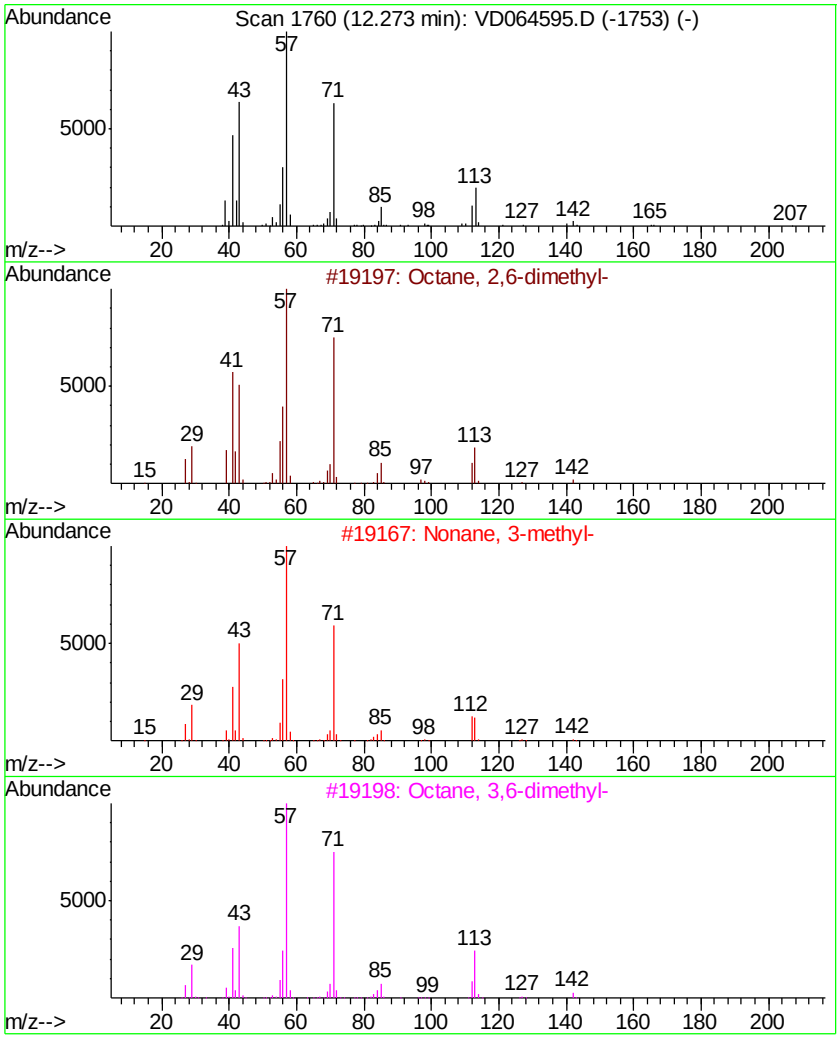
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

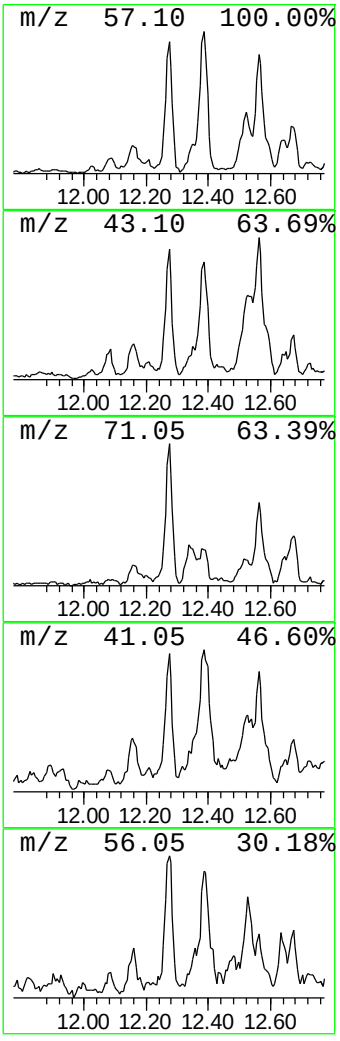
****

Peak Number 1 Octane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	5.35 ug/l	253816	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	94
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	87
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	81
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
Data File : VD064595.D
Acq On : 26 Dec 2019 13:14
Operator : VA/SY
Sample : K6435-02
Misc : 6.10G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SB-4E-(21.5-23.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260

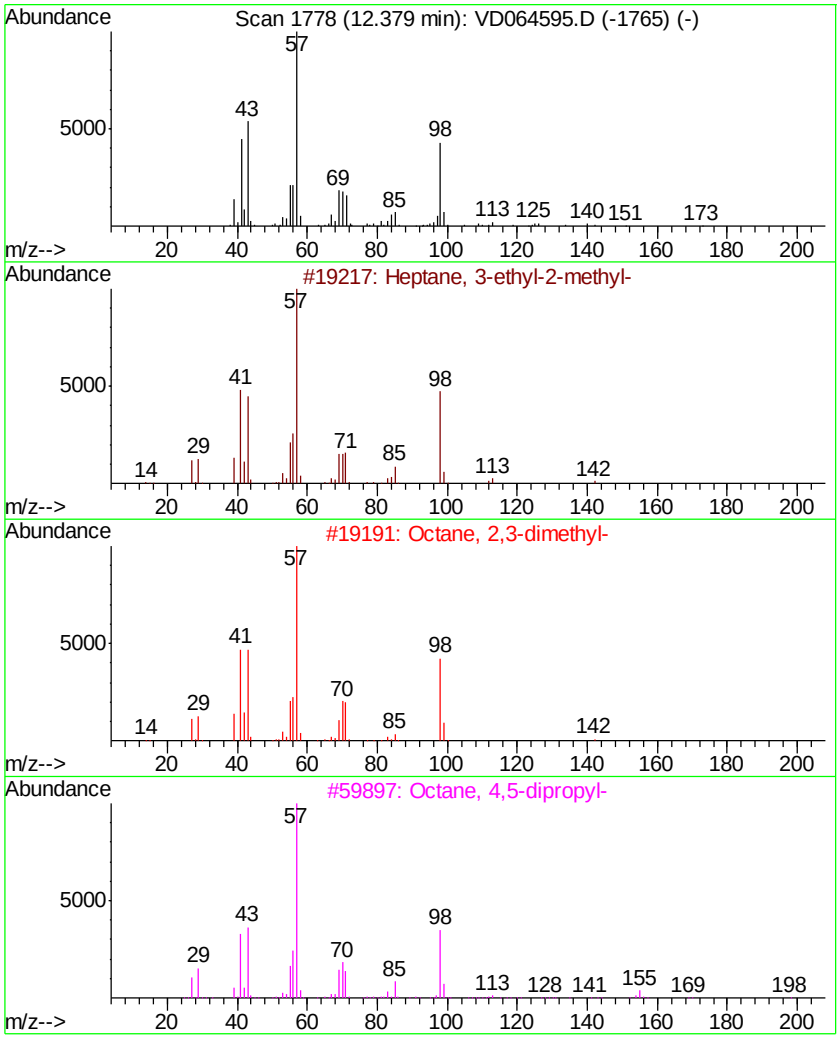
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

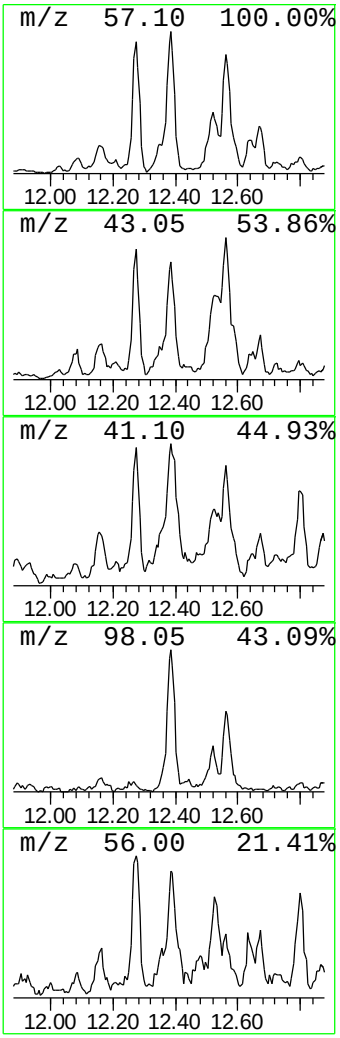
****

Peak Number 2 Heptane, 3-ethyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	13.03 ug/l	617761	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	95
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	90
3	Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	78
4	Heptane, 4-propyl-	142	C10H22	003178-29-8	50
5	2-Methyl-1-undecanol	186	C12H26O	010522-26-6	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
Data File : VD064595.D
Acq On : 26 Dec 2019 13:14
Operator : VA/SY
Sample : K6435-02
Misc : 6.10G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SB-4E-(21.5-23.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260

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

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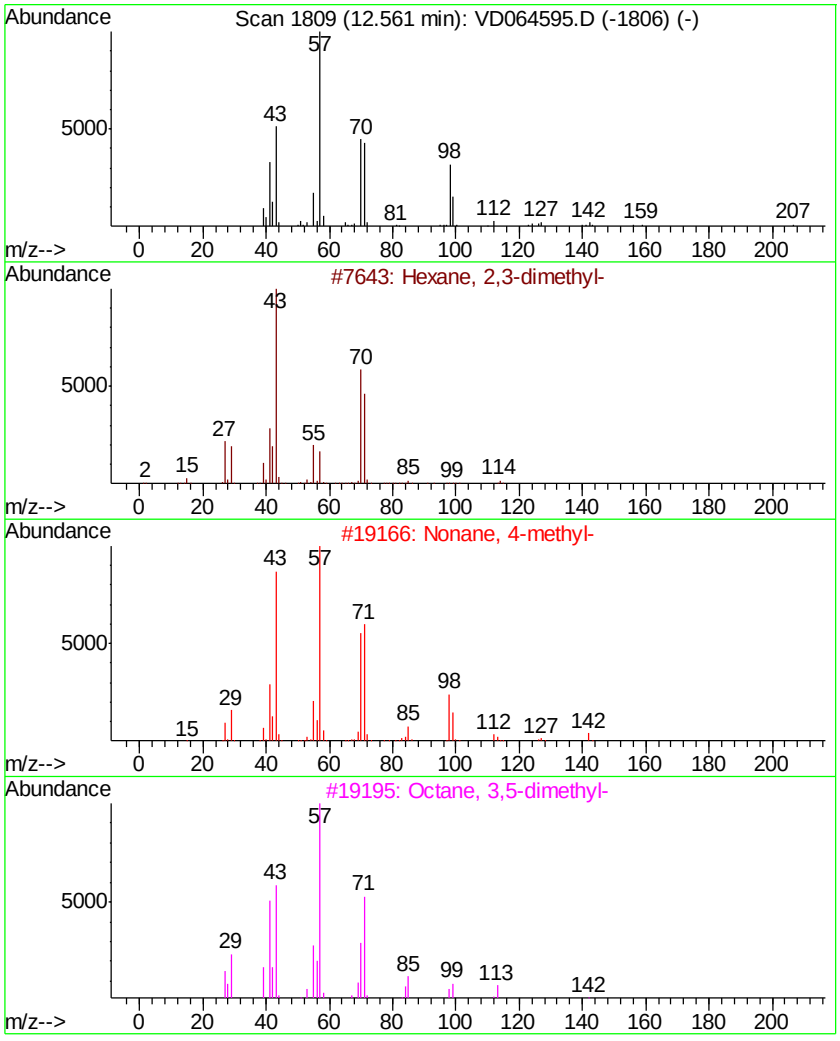
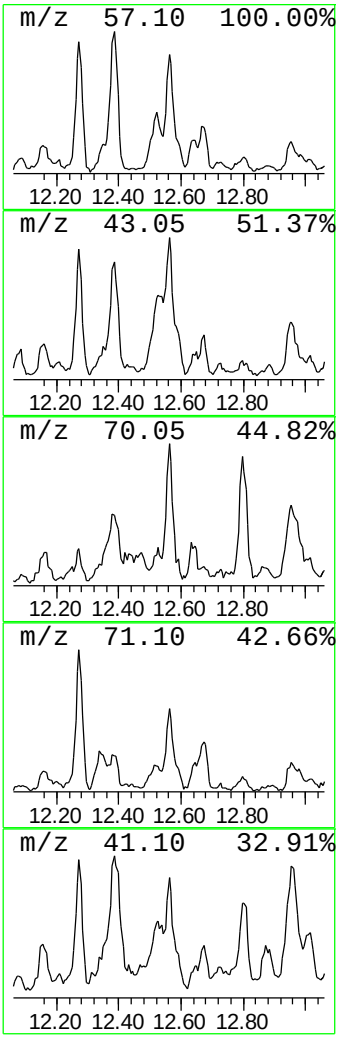
Peak Number 3 Hexane, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	5.58 ug/l	264632	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	50
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	50
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	50
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	50
5	Nonane, 2-methyl-	142	C10H22	000871-83-0	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
Data File : VD064595.D
Acq On : 26 Dec 2019 13:14
Operator : VA/SY
Sample : K6435-02
Misc : 6.10G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SB-4E-(21.5-23.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260

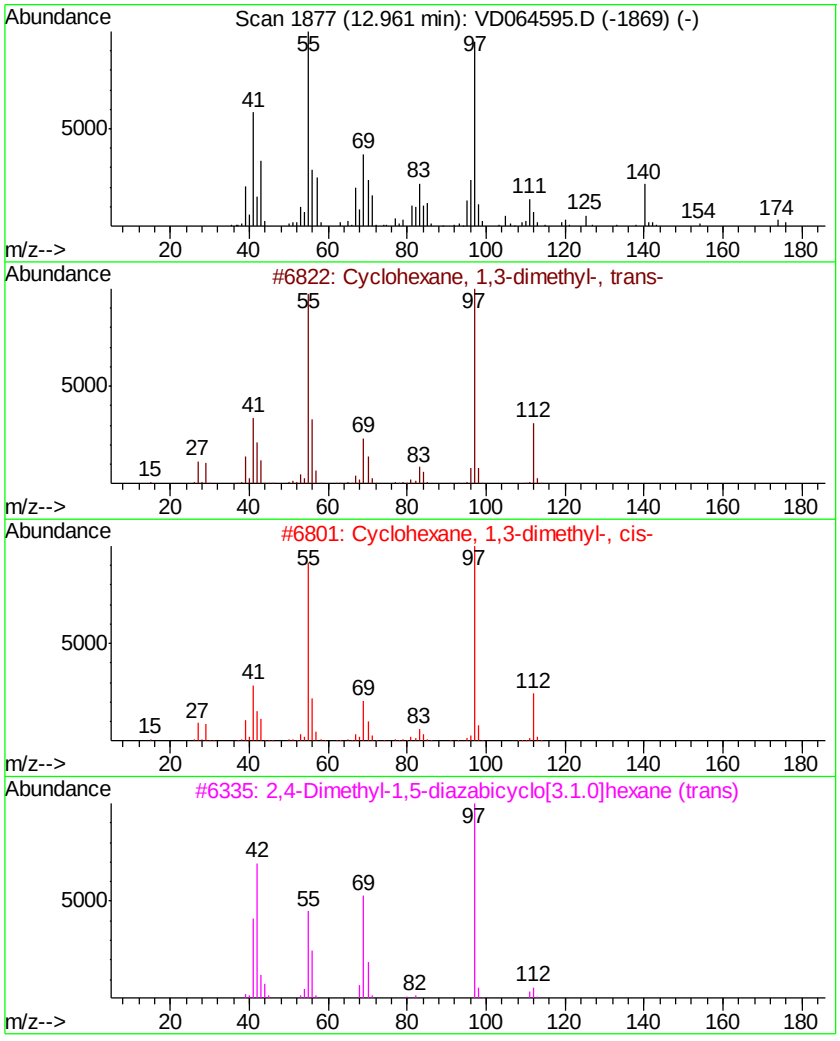
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

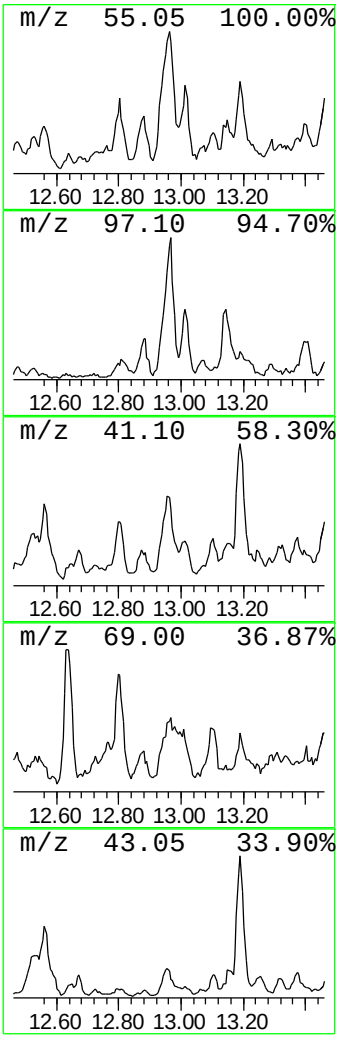
****

Peak Number 4 unknown12.96 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	9.98 ug/l	528182	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	46
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	46
3	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	1000283-20-9	46
4	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	100463-01-2	46
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	43





Library Search Compound Report

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Data File : VD064595.D
Acq On : 26 Dec 2019 13:14
Operator : VA/SY
Sample : K6435-02
Misc : 6.10G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SB-4E-(21.5-23.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260

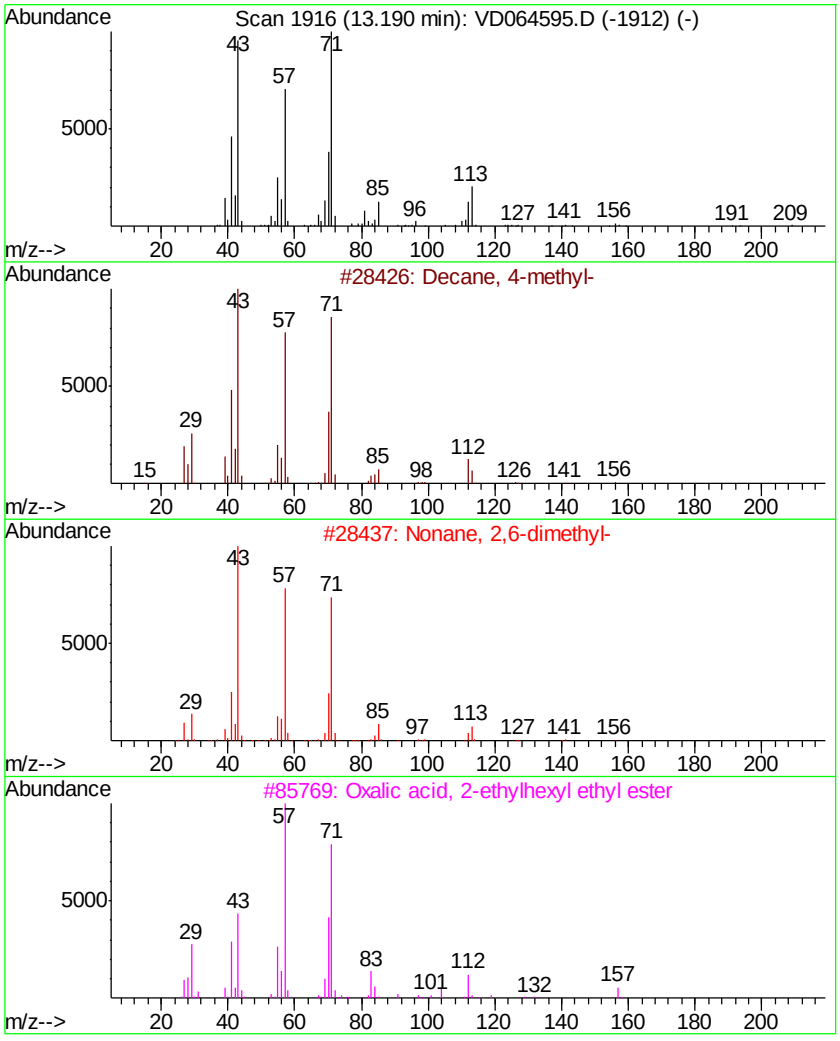
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

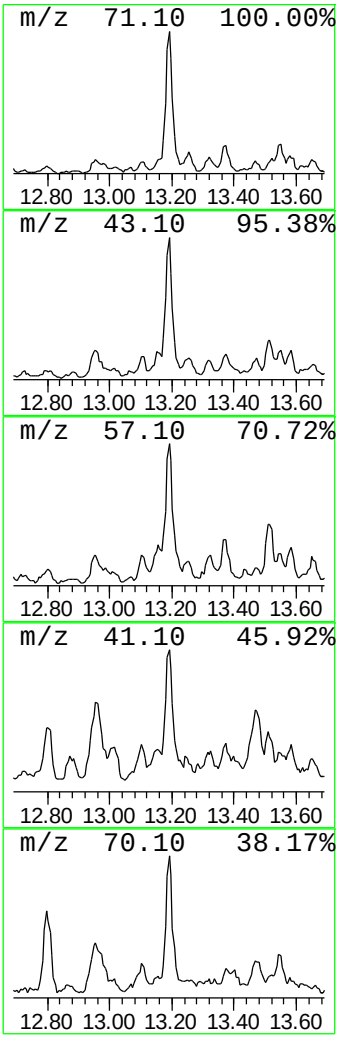
****

Peak Number 5 Decane, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	8.85 ug/l	468675	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	81
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	81
3	Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	64
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
5	Sulfurous acid, 2-pentyl tetrade...	348	C19H40O3S	1000309-16-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
Data File : VD064595.D
Acq On : 26 Dec 2019 13:14
Operator : VA/SY
Sample : K6435-02
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ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SB-4E-(21.5-23.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260

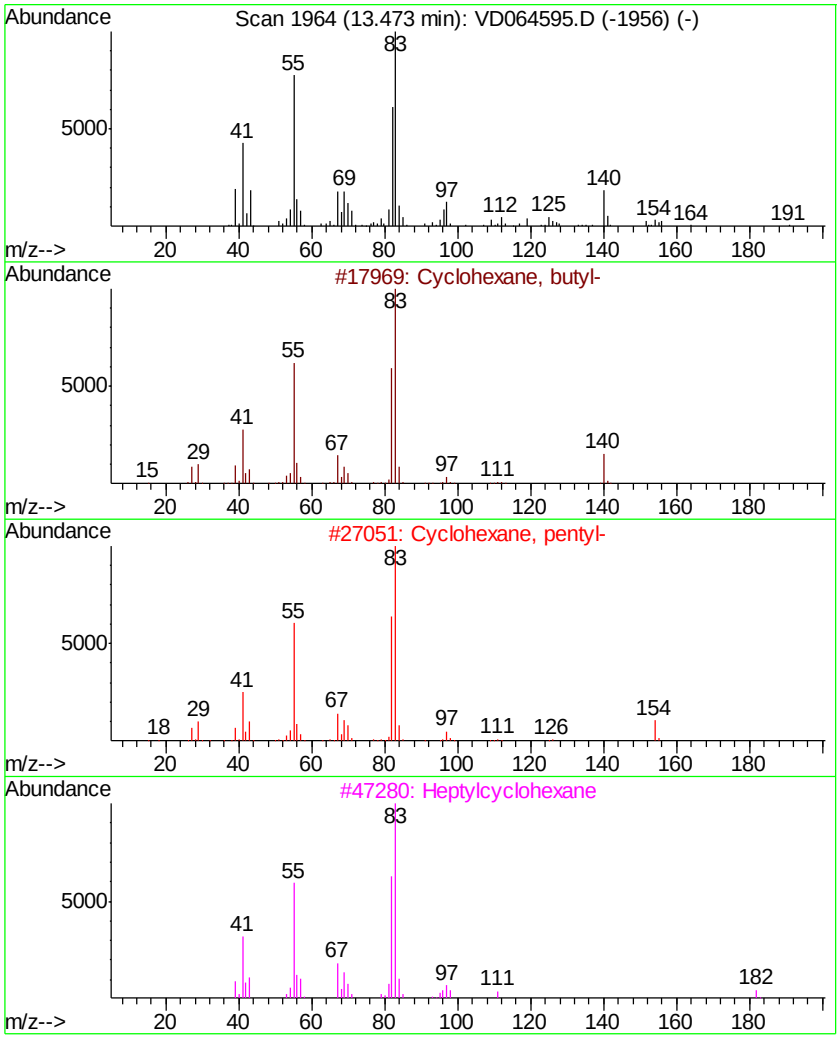
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

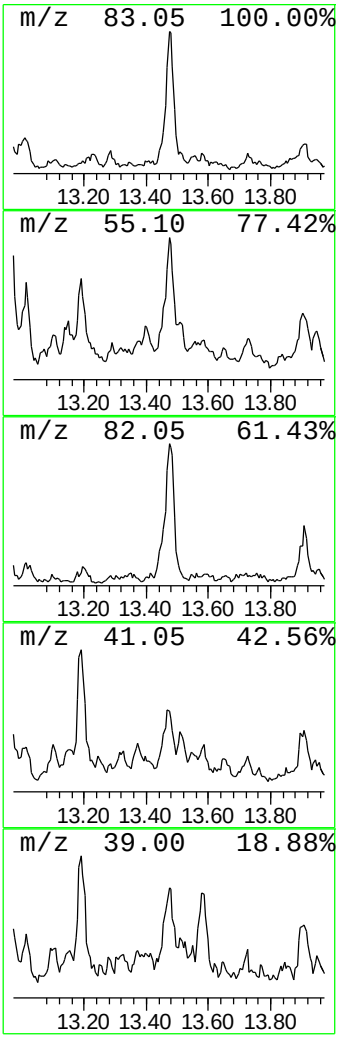
****

Peak Number 6 Cyclohexane, butyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	6.80 ug/l	359843	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	81
3	Heptylcyclohexane	182	C13H26	005617-41-4	80
4	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	72
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
Data File : VD064595.D
Acq On : 26 Dec 2019 13:14
Operator : VA/SY
Sample : K6435-02
Misc : 6.10G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SB-4E-(21.5-23.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260

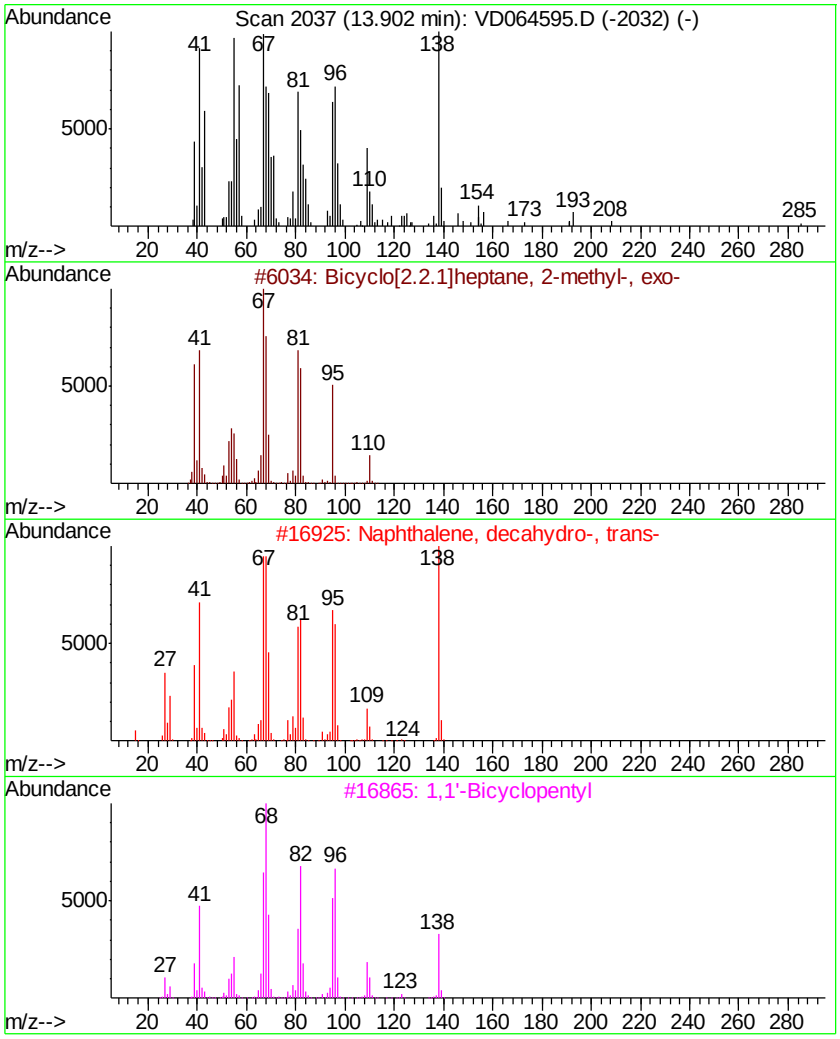
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

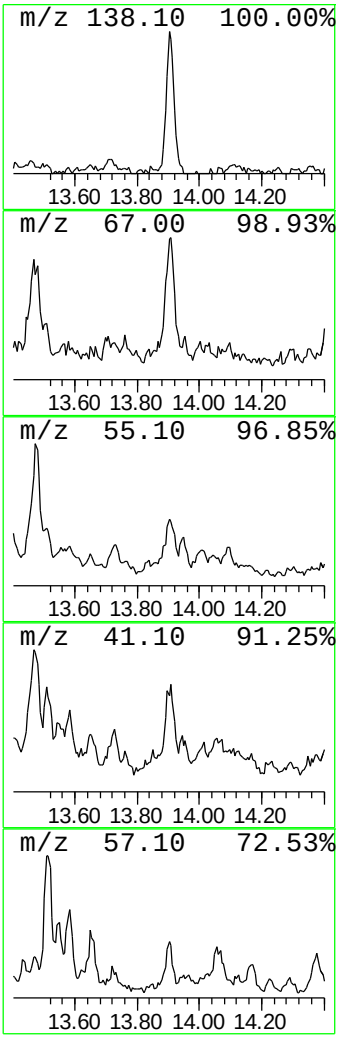
****

Peak Number 7 Bicyclo[2.2.1]heptane, 2-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	5.43 ug/l	287504	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2-methyl-...	110	C8H14	000872-78-6	86
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	81
3	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	76
4	Succinic acid, di(dec-4-enyl) ester	394	C24H42O4	1000353-47-2	64
5	Cyclohexanone, 3-vinyl-3-methyl-	138	C9H14O	068269-56-7	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122619\
Data File : VD064595.D
Acq On : 26 Dec 2019 13:14
Operator : VA/SY
Sample : K6435-02
Misc : 6.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SB-4E-(21.5-23.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.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-dimet...	12.27	5.3	ug/l	253816	3	11.65	2370710	50.0
Heptane, 3-ethyl-...	12.38	13.0	ug/l	617761	3	11.65	2370710	50.0
Hexane, 2,3-dimet...	12.56	5.6	ug/l	264632	3	11.65	2370710	50.0
unknown12.96	12.96	10.0	ug/l	528182	4	13.58	2646630	50.0
Decane, 4-methyl-	13.19	8.8	ug/l	468675	4	13.58	2646630	50.0
Cyclohexane, butyl-	13.47	6.8	ug/l	359843	4	13.58	2646630	50.0
Bicyclo[2.2.1]hep...	13.90	5.4	ug/l	287504	4	13.58	2646630	50.0