LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
Data File : VW000984.D
Acq On : 25 Jan 2018 06:58
Operator : JC/SY
Sample : J1289-15
Misc : 5.03G/5.0ML/MSVOA W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-52-13.5-14.0

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 : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.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	1.788	20	33	56	rBV	858177	1644437	100.00%	13.165%
2	2.020	67	71	82	rVB2	11076	24350	1.48%	0.195%
3	4.129	407	417	427	rBV	35300	97347	5.92%	0.779%
4	4.398	448	461	462	rBV2	9819	26635	1.62%	0.213%
5	4.916	538	546	558	rVB3	10634	34148	2.08%	0.273%
6	7.159	903	914	927	rBV2	61236	190844	11.61%	1.528%
7	7.885	1024	1033	1039	rBV2	139575	342620	20.84%	2.743%
8	7.952	1039	1044	1057	rVB	229281	495049	30.10%	3.963%
9	8.263	1084	1095	1097	rBV	41069	86179	5.24%	0.690%
10	8.312	1097	1103	1113	rVB	133629	305923	18.60%	2.449%
11	8.848	1181	1191	1201	rBV	313499	617645	37.56%	4.945%
12	10.336	1427	1435	1443	rBV	463532	830449	50.50%	6.648%
13	10.714	1493	1497	1503	rVB	14155	23691	1.44%	0.190%
14	11.079	1545	1557	1562	rBV	53833	101181	6.15%	0.810%
15	11.238	1579	1583	1589	rVB2	20326	34384	2.09%	0.275%
16	11.451	1605	1618	1624	rVB7	27496	77724	4.73%	0.622%
17	11.525	1624	1630	1635	rBV3	14726	25507	1.55%	0.204%
18	11.640	1640	1649	1659	rBV	399091	686664	41.76%	5.497%
19	11.835	1675	1681	1686	rBV5	17534	46675	2.84%	0.374%
20	11.890	1686	1690	1701	rVB7	19762	61858	3.76%	0.495%
21	11.988	1701	1706	1712	rBV5	12004	28836	1.75%	0.231%
22	12.152	1725	1733	1739	rBV5	39798	97700	5.94%	0.782%
23	12.268	1744	1752	1756	rVB	70136	122638	7.46%	0.982%
24	12.378	1756	1770	1777	rBV4	95005	276669	16.82%	2.215%
25	12.469	1780	1785	1788	rBV6	16960	32717	1.99%	0.262%
26	12.518	1790	1793	1797	rBV4	14294	23420	1.42%	0.187%
27	12.555	1797	1799	1802	rVB2	19192	18184	1.11%	0.146%
28	12.634	1806	1812	1820	rBV	361302	603396	36.69%	4.831%
29	12.719	1820	1826	1830	rBV8	22998	57026	3.47%	0.457%
30	12.793	1834	1838	1845	rVB4	93095	174673	10.62%	1.398%
31	12.878	1845	1852	1856	rBV5	54731	122575	7.45%	0.981%
32	12.957	1857	1865	1870	rBV4	112303	291377	17.72%	2.333%
33	13.061	1878	1882	1884	rBV3	29164	44245	2.69%	0.354%
34	13.097	1884	1888	1891	rVV2	51721	84649	5.15%	0.678%

LSC Area Percent Report

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Misc : 5.03G/5.0ML/MSVOA W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-52-13.5-14.0

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

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Peak separation: 5

Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
Title : SW846 8260

35	13.146	1893	1896	1898	rVV3	36688	56119	3.41%	0.449%
36	13.183	1898	1902	1909	rVV	183313	287655	17.49%	2.303%
37	13.268	1911	1916	1920	rVV	107000	165422	10.06%	1.324%
38	13.311	1920	1923	1927	rVB3	36103	46492	2.83%	0.372%
39	13.360	1928	1931	1935	rBV2	43389	62724	3.81%	0.502%
40	13.463	1941	1948	1952	rBV4	90455	194665	11.84%	1.558%
41	13.500	1952	1954	1959	rVV5	41033	56133	3.41%	0.449%
42	13.573	1961	1966	1975	rVB2	350679	633206	38.51%	5.069%
43	13.719	1985	1990	1994	rBV5	32784	74758	4.55%	0.598%
44	13.768	1995	1998	2002	rVV2	39588	60103	3.65%	0.481%
45	13.811	2002	2005	2014	rVB4	31969	66056	4.02%	0.529%
46	13.896	2014	2019	2024	rBV3	112915	201154	12.23%	1.610%
47	14.030	2037	2041	2043	rBV	51152	73896	4.49%	0.592%
48	14.061	2044	2046	2050	rVV2	61739	77577	4.72%	0.621%
49	14.116	2051	2055	2059	rVB	94884	140517	8.54%	1.125%
50	14.225	2068	2073	2078	rBV3	70005	113339	6.89%	0.907%
51	14.286	2078	2083	2089	rVB6	25108	52638	3.20%	0.421%
52	14.365	2089	2096	2099	rBV4	25917	65582	3.99%	0.525%
53	14.408	2099	2103	2105	rVV5	53476	82324	5.01%	0.659%
54	14.439	2105	2108	2111	rVV	82522	128348	7.80%	1.028%
55	14.481	2111	2115	2119	rVV	95913	147956	9.00%	1.184%
56	14.524	2119	2122	2125	rVV	34940	47513	2.89%	0.380%
57	14.567	2125	2129	2136	rVB7	31626	61911	3.76%	0.496%
58	14.664	2142	2145	2148	rVB2	19891	25321	1.54%	0.203%
59	14.713	2148	2153	2157	rVV3	37715	69012	4.20%	0.552%
60	14.756	2157	2160	2164	rVB2	47005	66545	4.05%	0.533%
61	14.829	2164	2172	2177	rBV3	109348	287386	17.48%	2.301%
62	14.878	2177	2180	2186	rVB2	40937	65341	3.97%	0.523%
63	15.036	2194	2206	2211	rBV3	54857	211652	12.87%	1.694%
64	15.091	2211	2215	2227	rVV3	70908	197775	12.03%	1.583%
65	15.201	2227	2233	2241	rVB2	53601	122378	7.44%	0.980%
66	15.274	2243	2245	2253	rVB6	19522	38571	2.35%	0.309%
67	15.390	2253	2264	2270	rBV	147334	323068	19.65%	2.586%
68	15.499	2278	2282	2285	rBV3	14725	21556	1.31%	0.173%
69	15.688	2306	2313	2317	rBV	35771	84849	5.16%	0.679%
70	15.847	2336	2339	2343	rBV4	11744	16609	1.01%	0.133%
71	15.981	2357	2361	2366	rVB3	11728	17857	1.09%	0.143%

LSC Area Percent Report

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ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-52-13.5-14.0

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
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Peak separation: 5

Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
Title : SW846 8260

72	16.054	2367	2373	2380	rVB5	17983	43765	2.66%	0.350%
73	16.200	2390	2397	2403	rBV8	14567	37397	2.27%	0.299%
74	16.475	2436	2442	2447	rBV	39388	82098	4.99%	0.657%
75	16.676	2467	2475	2488	rVB2	56240	152572	9.28%	1.221%

Sum of corrected areas: 12491255

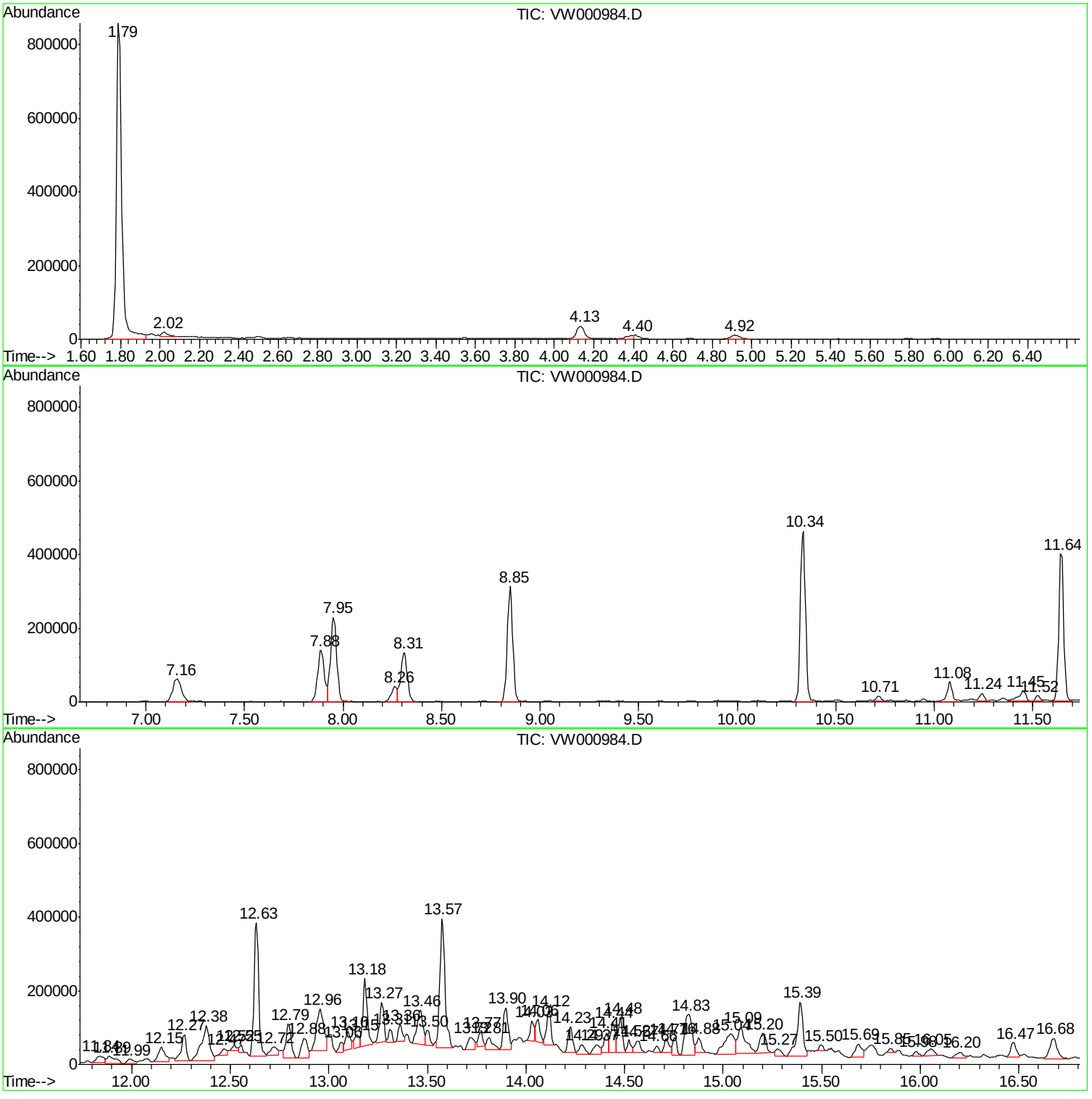
LSC Report - Integrated Chromatogram

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
Data File : VW000984.D
Acq On : 25 Jan 2018 06:58
Operator : JC/SY
Sample : J1289-15
Misc : 5.03G/5.0ML/MSVOA W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-52-13.5-14.0

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
Quant Title : SW846 8260

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



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Data File : VW000984.D
Acq On : 25 Jan 2018 06:58
Operator : JC/SY
Sample : J1289-15
Misc : 5.03G/5.0ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-52-13.5-14.0

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
Quant Title : SW846 8260

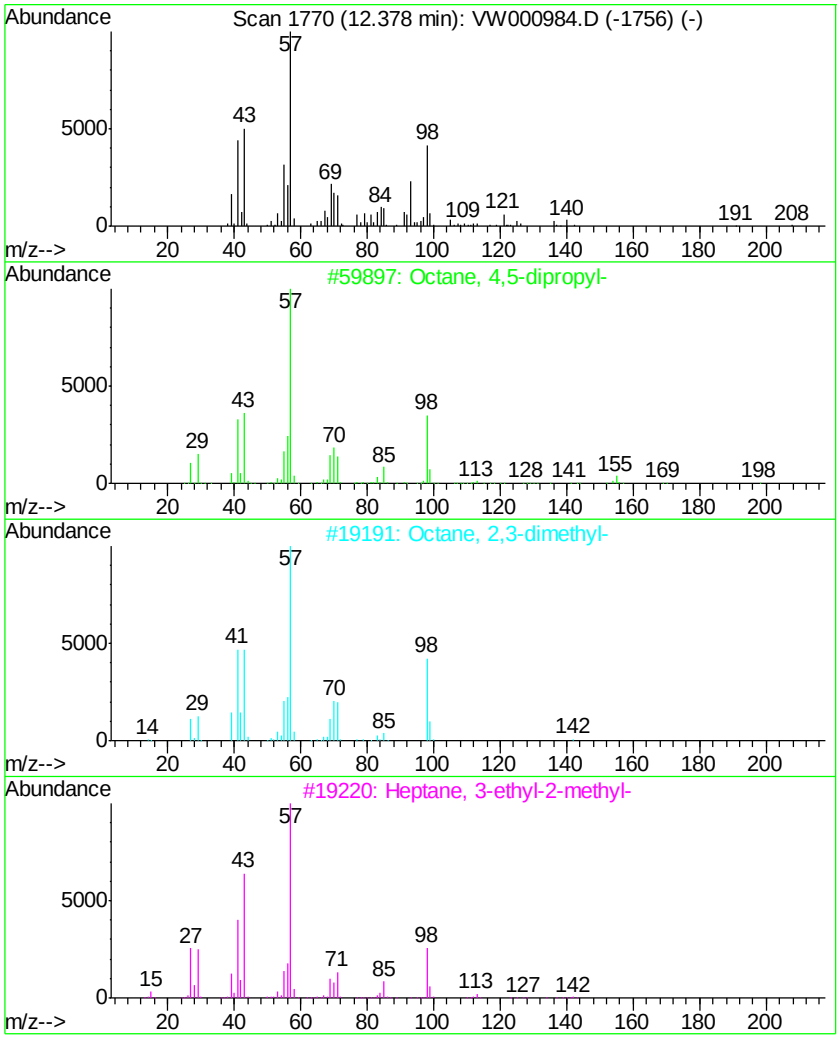
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

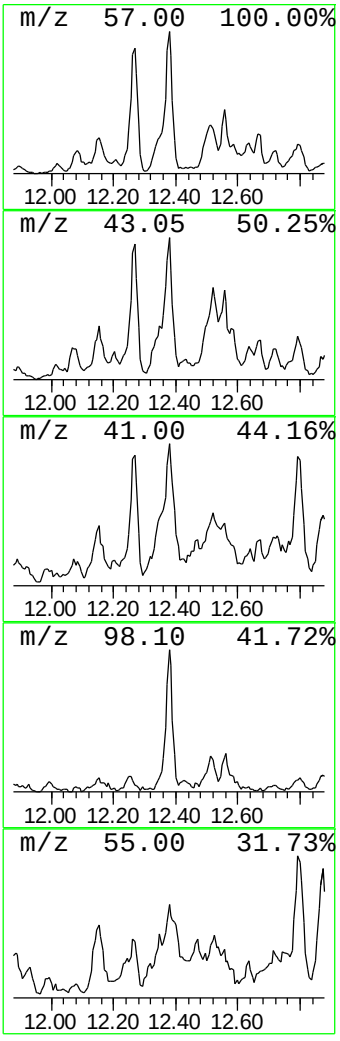
****

Peak Number 2 Octane, 4,5-dipropyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	20.15 ug/l	276669	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	53
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	49
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
4	Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	32
5	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	27





Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
Data File : VW000984.D
Acq On : 25 Jan 2018 06:58
Operator : JC/SY
Sample : J1289-15
Misc : 5.03G/5.0ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-52-13.5-14.0

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
Quant Title : SW846 8260

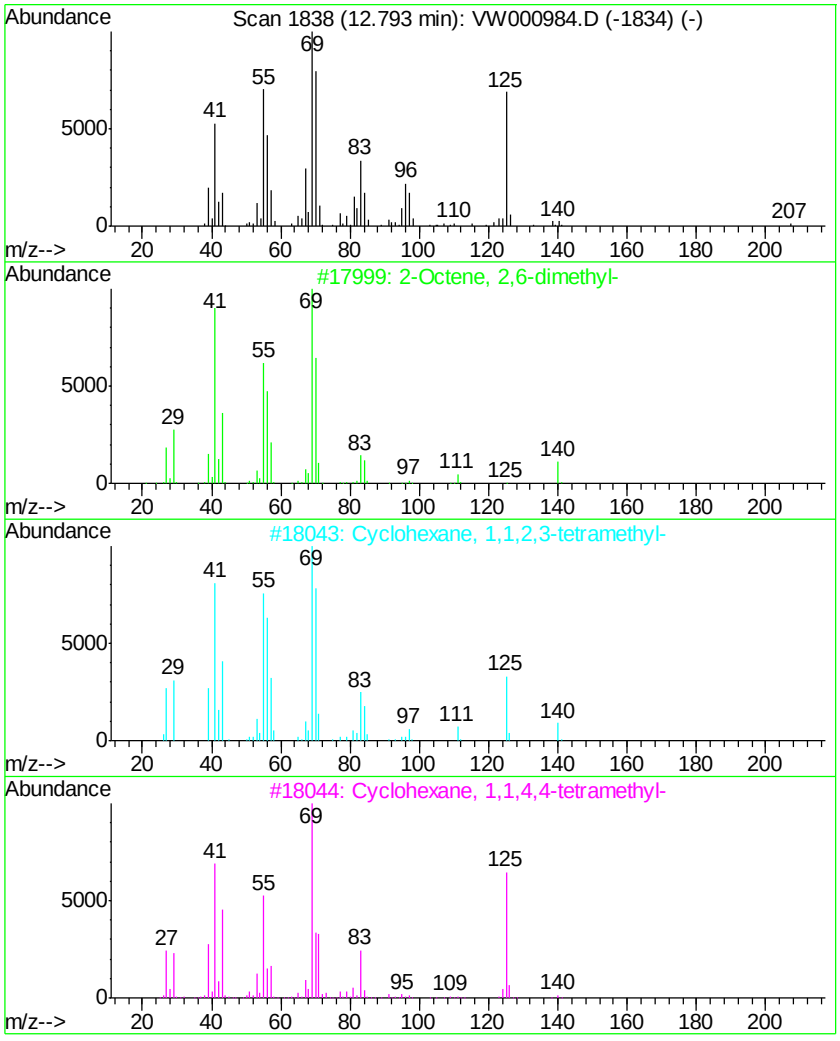
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

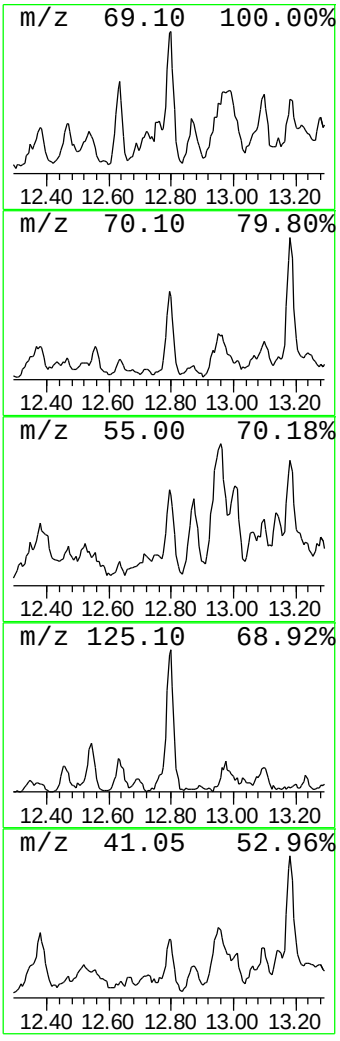
****

Peak Number 3 2-Octene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	13.79 ug/l	174673	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
2	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	59
3	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	46
4	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	43
5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	38





Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
Data File : VW000984.D
Acq On : 25 Jan 2018 06:58
Operator : JC/SY
Sample : J1289-15
Misc : 5.03G/5.0ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-52-13.5-14.0

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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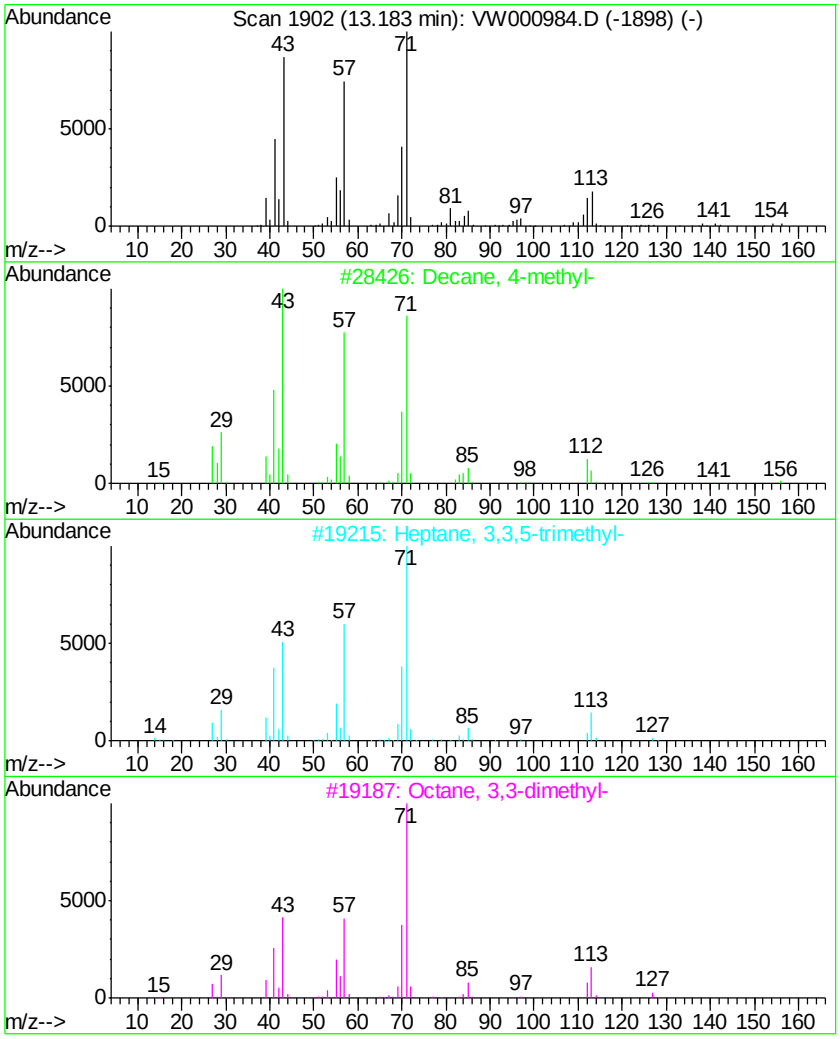
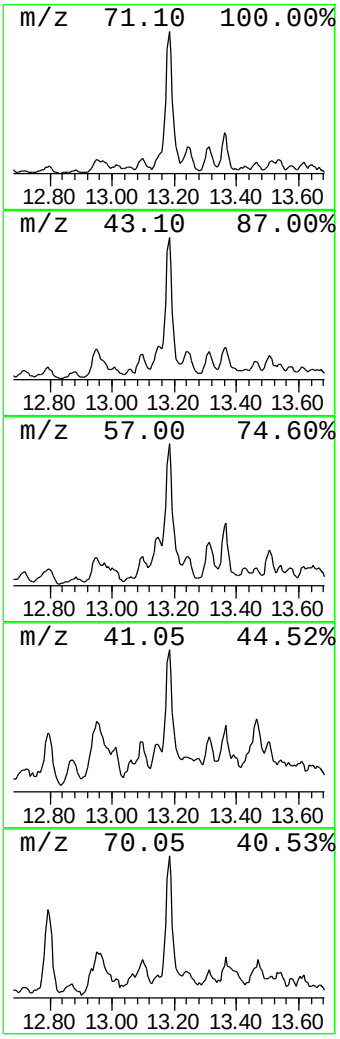
****

Peak Number 4 Decane, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	22.71 ug/l	287655	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	87
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
4	Octane, 3-ethyl-	142	C10H22	005881-17-4	59
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53





Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
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Acq On : 25 Jan 2018 06:58
Operator : JC/SY
Sample : J1289-15
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ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-52-13.5-14.0

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
Quant Title : SW846 8260

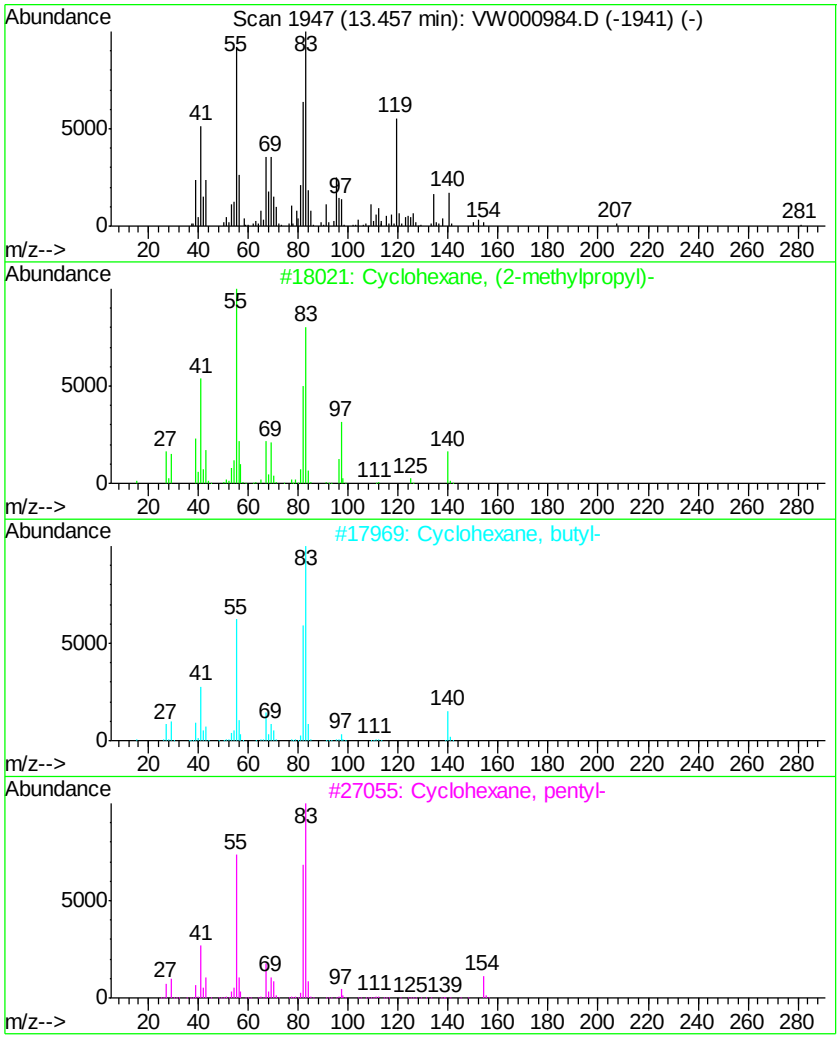
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

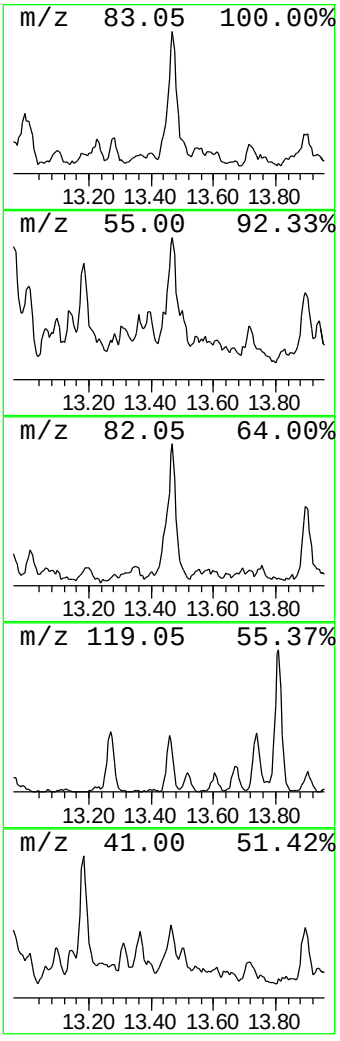
****

Peak Number 5 Cyclohexane, (2-methylpropyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	15.37 ug/l	194665	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	58
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	58
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	50
5	Cyclohexane, eicosyl-	364	C26H52	004443-55-4	50





Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
Data File : VW000984.D
Acq On : 25 Jan 2018 06:58
Operator : JC/SY
Sample : J1289-15
Misc : 5.03G/5.0ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-52-13.5-14.0

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
Quant Title : SW846 8260

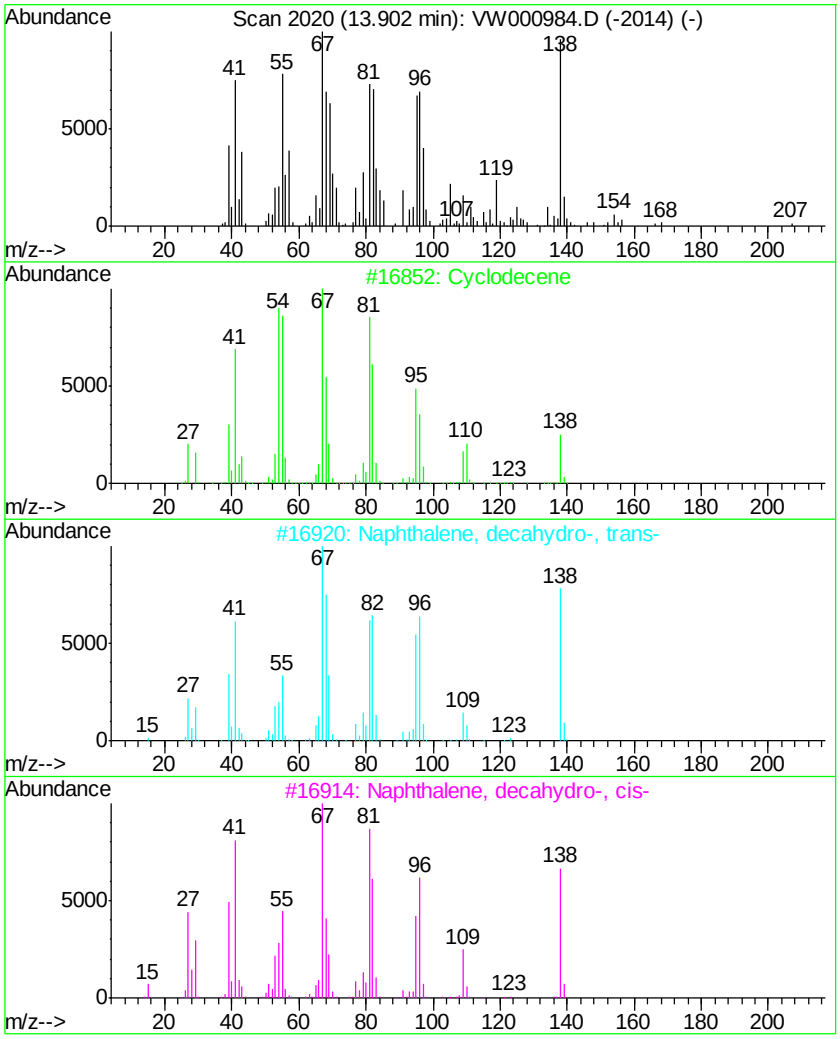
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

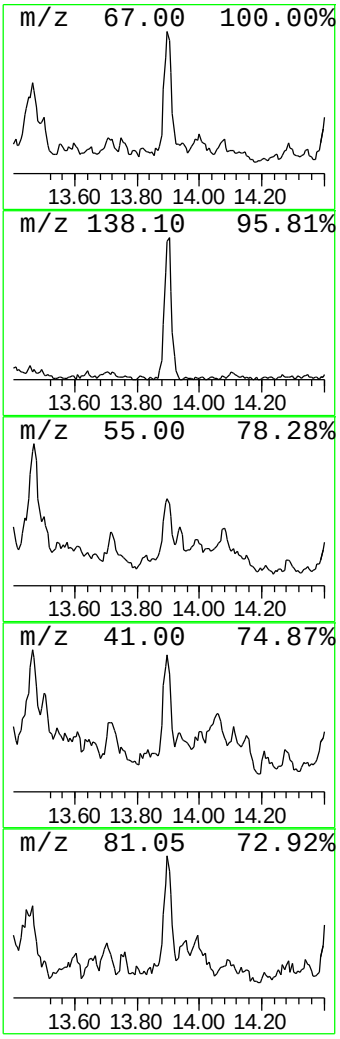
****

Peak Number 6 Cyclodecene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	15.88 ug/l	201154	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclodecene	138	C10H18	003618-12-0	91
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	89
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	87
4	Naphthalene, decahydro-	138	C10H18	000091-17-8	87
5	Spiro[4.5]decane	138	C10H18	000176-63-6	80





Library Search Compound Report

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Data File : VW000984.D
Acq On : 25 Jan 2018 06:58
Operator : JC/SY
Sample : J1289-15
Misc : 5.03G/5.0ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-52-13.5-14.0

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
Quant Title : SW846 8260

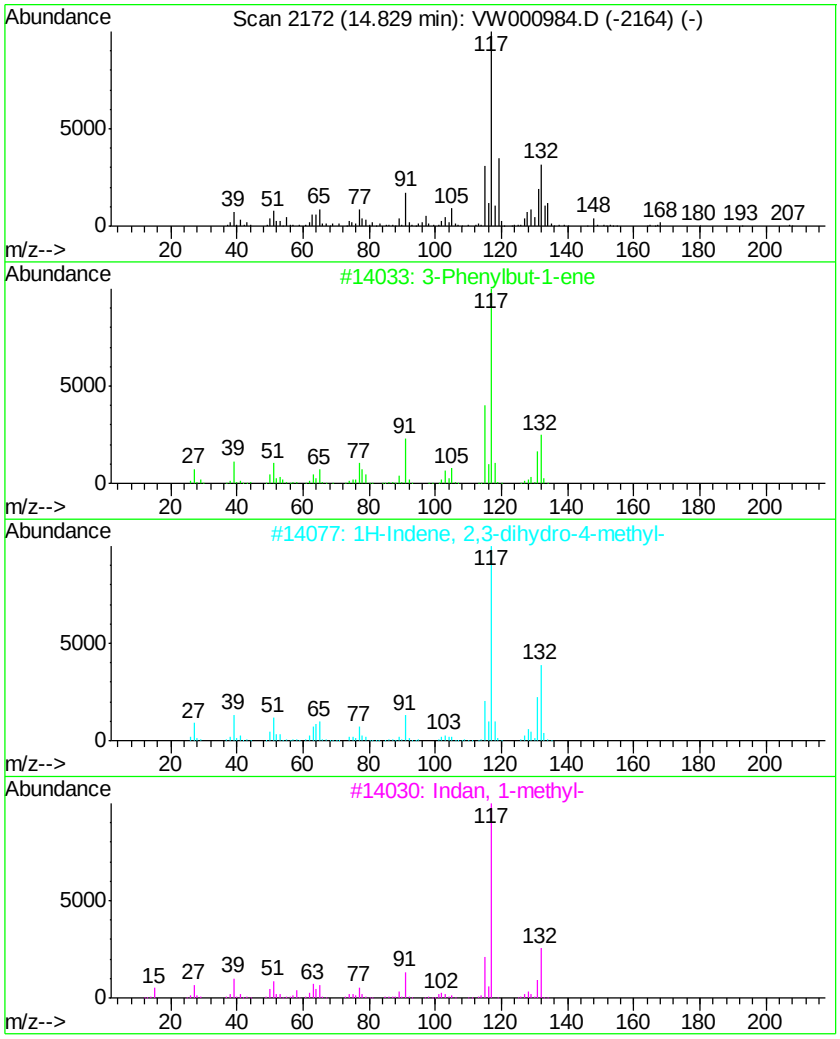
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

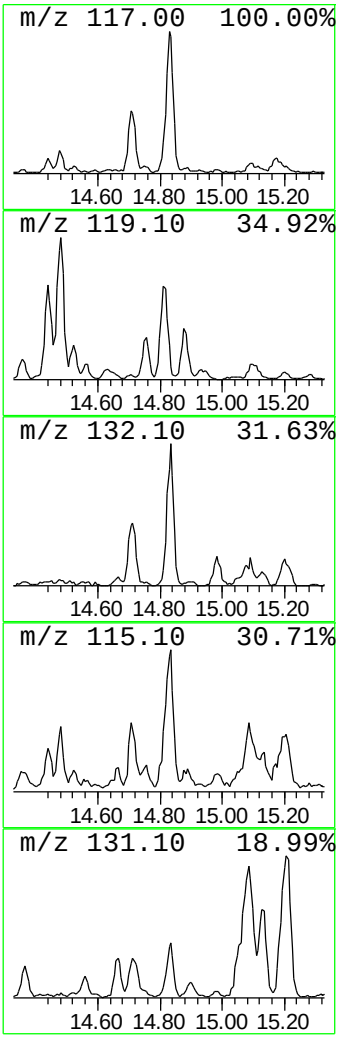
****

Peak Number 7 3-Phenylbut-1-ene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	22.69 ug/l	287386	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	74
3	Indan, 1-methyl-	132	C10H12	000767-58-8	70
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	68
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	68





Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
Data File : VW000984.D
Acq On : 25 Jan 2018 06:58
Operator : JC/SY
Sample : J1289-15
Misc : 5.03G/5.0ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-52-13.5-14.0

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
Quant Title : SW846 8260

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

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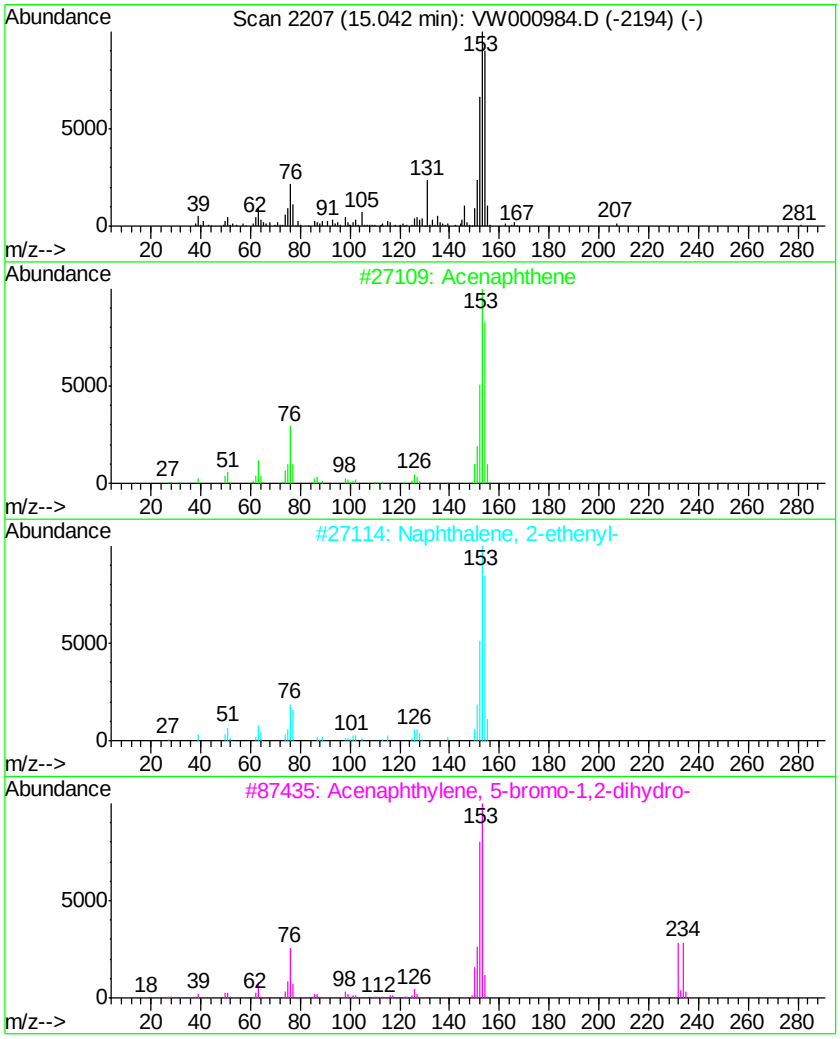
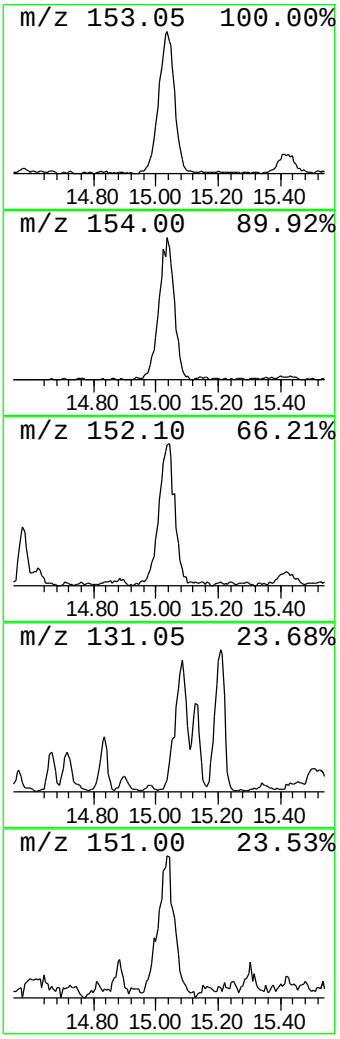
Peak Number 8 Acenaphthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	16.71 ug/l	211652	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene	154	C12H10	000083-32-9	70
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	62
3	Acenaphthylene, 5-bromo-1,2-dihy...	232	C12H9Br	002051-98-1	52
4	Thieno[2,3-b]thiophene,2-methyl-	154	C7H6S2	013393-75-4	47
5	3-Fluoro-para-anisaldehyde	154	C8H7FO2	000351-54-2	47





Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
Data File : VW000984.D
Acq On : 25 Jan 2018 06:58
Operator : JC/SY
Sample : J1289-15
Misc : 5.03G/5.0ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-52-13.5-14.0

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
Quant Title : SW846 8260

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

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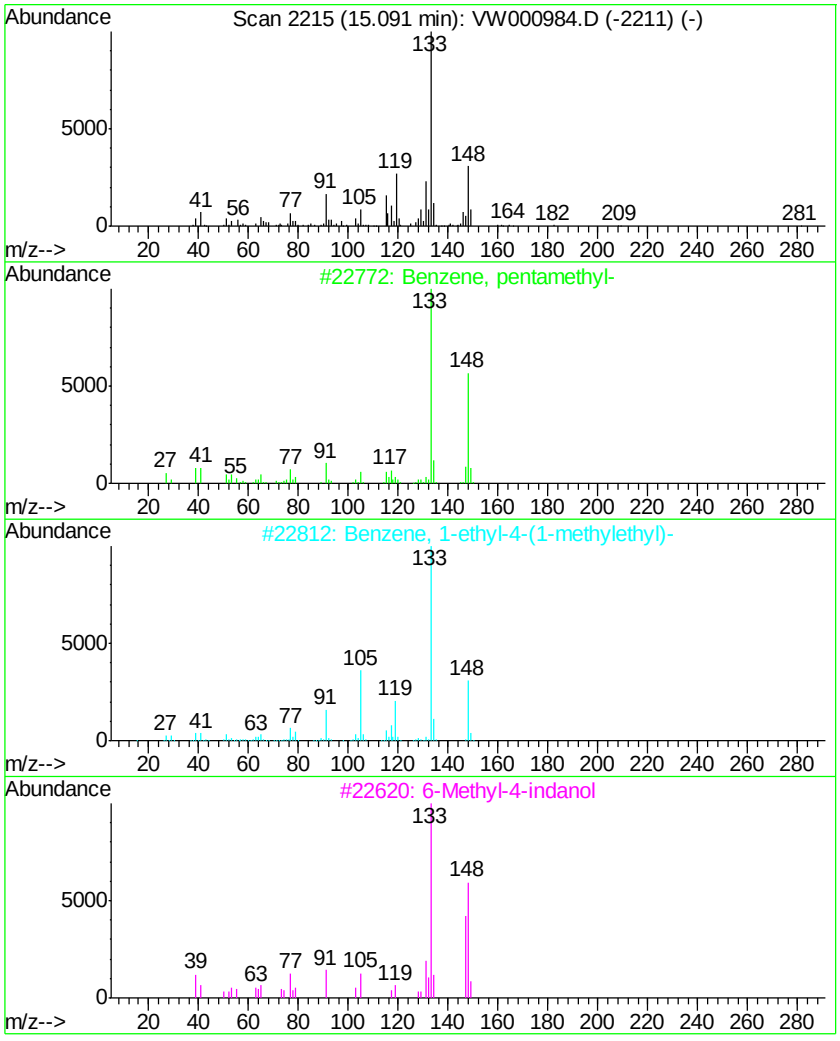
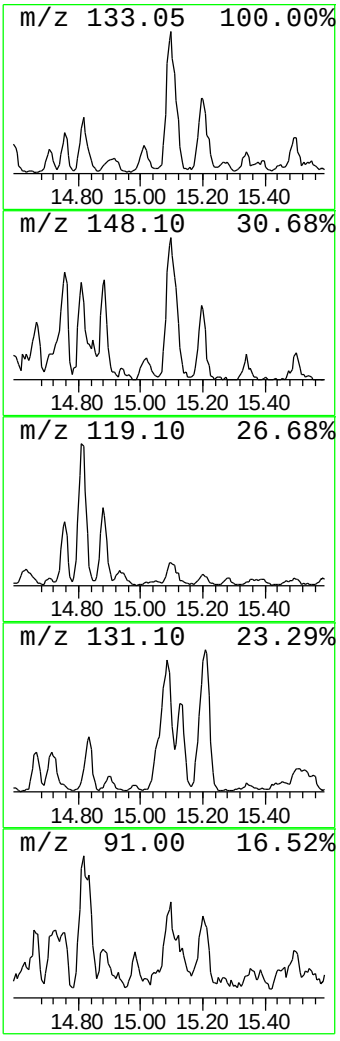
Peak Number 9 Benzene, pentamethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	15.62 ug/l	197775	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	74
3	6-Methyl-4-indanol	148	C10H12O	020294-32-0	72
4	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	72
5	4-tert-Butyltoluene	148	C11H16	000098-51-1	58





Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
Data File : VW000984.D
Acq On : 25 Jan 2018 06:58
Operator : JC/SY
Sample : J1289-15
Misc : 5.03G/5.0ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-52-13.5-14.0

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
Quant Title : SW846 8260

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

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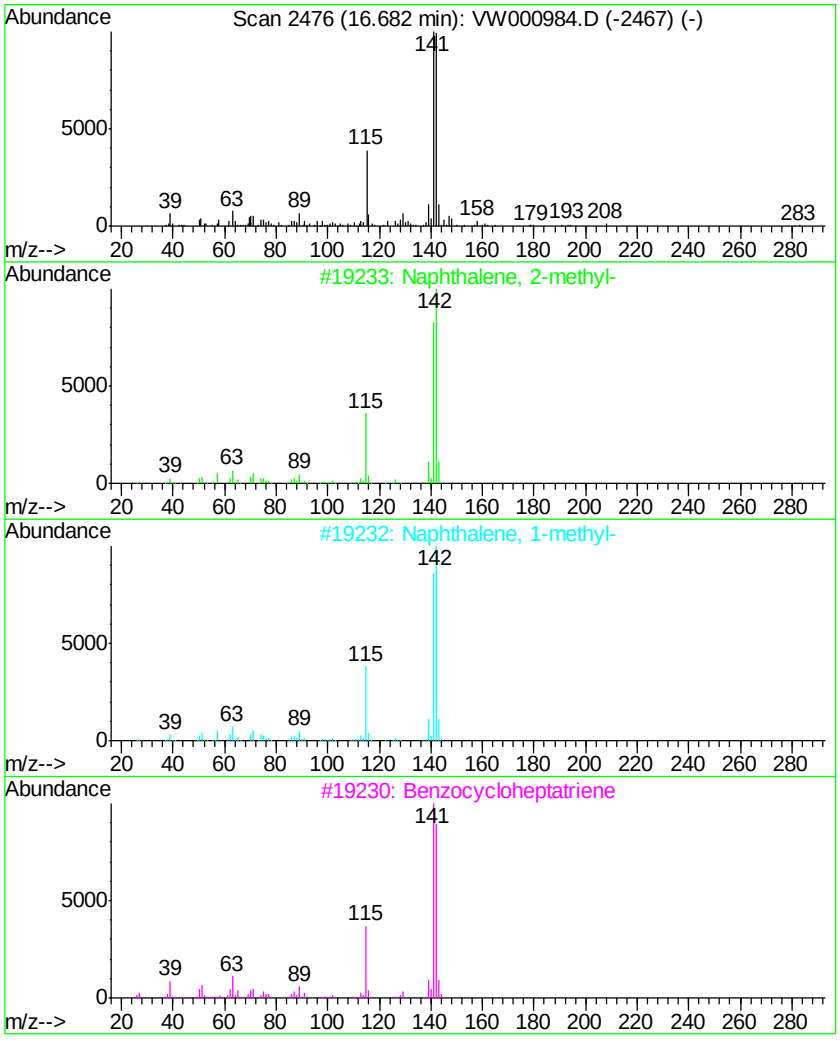
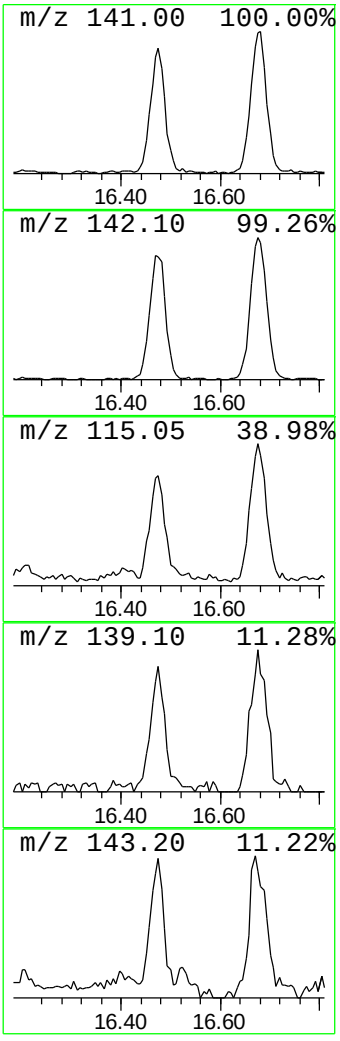
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	12.05 ug/l	152572	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3	Benzocycloheptatriene	142	C11H10	000264-09-5	93
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	93
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





Tentatively Identified Compound (LSC) summary

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
Data File : VW000984.D
Acq On : 25 Jan 2018 06:58
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ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-52-13.5-14.0

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.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, 4,5-dipro...	12.38	20.1	ug/l	276669	3	11.64	686664	50.0
2-Octene, 2,6-dim...	12.79	13.8	ug/l	174673	4	13.57	633206	50.0
Decane, 4-methyl-	13.18	22.7	ug/l	287655	4	13.57	633206	50.0
Cyclohexane, (2-m...	13.46	15.4	ug/l	194665	4	13.57	633206	50.0
Cyclodecene	13.90	15.9	ug/l	201154	4	13.57	633206	50.0
3-Phenylbut-1-ene	14.83	22.7	ug/l	287386	4	13.57	633206	50.0
Acenaphthene	15.04	16.7	ug/l	211652	4	13.57	633206	50.0
Benzene, pentamet...	15.09	15.6	ug/l	197775	4	13.57	633206	50.0
Naphthalene, 1-me...	16.68	12.1	ug/l	152572	4	13.57	633206	50.0