LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
Data File : VW005114.D
Acq On : 05 Sep 2018 07:40
Operator : SY/AP
Sample : J4693-06
Misc : 6.25G/5ML/MSVOA W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-MW-F(15-20)

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_W\METHOD\82W090118S.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	1.794	27	34	49	rVB	5442442	8997029	100.00%	16.528%
2	2.813	194	201	214	rVB	246453	463331	5.15%	0.851%
3	4.922	535	547	561	rBV	40235	130293	1.45%	0.239%
4	7.891	1023	1034	1039	rBV	268346	629158	6.99%	1.156%
5	7.958	1039	1045	1061	rVB	567809	1268862	14.10%	2.331%
6	8.312	1084	1103	1118	rBV	266894	598678	6.65%	1.100%
7	8.848	1182	1191	1206	rBV	922337	1850141	20.56%	3.399%
8	10.329	1426	1434	1442	rBV	1174592	2061216	22.91%	3.787%
9	10.756	1493	1504	1515	rVB2	51859	210879	2.34%	0.387%
10	11.238	1576	1583	1588	rBV	83243	157042	1.75%	0.288%
11	11.439	1613	1616	1624	rVB	71986	130972	1.46%	0.241%
12	11.634	1641	1648	1658	rBV	1433147	2422178	26.92%	4.450%
13	11.823	1673	1679	1683	rVB5	60373	123504	1.37%	0.227%
14	11.878	1683	1688	1692	rBV	181005	328717	3.65%	0.604%
15	11.921	1692	1695	1701	rVB2	166431	279906	3.11%	0.514%
16	12.067	1711	1719	1724	rVB3	78360	175037	1.95%	0.322%
17	12.146	1724	1732	1737	rBV3	330357	729409	8.11%	1.340%
18	12.195	1737	1740	1743	rVV2	81524	128719	1.43%	0.236%
19	12.256	1743	1750	1755	rVB	608968	998944	11.10%	1.835%
20	12.366	1766	1768	1774	rVB2	288496	425328	4.73%	0.781%
21	12.469	1780	1785	1789	rVV	439950	800977	8.90%	1.471%
22	12.512	1789	1792	1795	rVV3	236666	372991	4.15%	0.685%
23	12.549	1795	1798	1805	rVB	321798	516217	5.74%	0.948%
24	12.622	1805	1810	1816	rVB	1068361	1771423	19.69%	3.254%
25	12.707	1816	1824	1827	rBV5	201106	453209	5.04%	0.833%
26	12.786	1833	1837	1845	rVB3	608359	1399527	15.56%	2.571%
27	12.866	1845	1850	1854	rBV3	236037	456543	5.07%	0.839%
28	12.945	1854	1863	1868	rBV3	796785	2083395	23.16%	3.827%
29	13.000	1868	1872	1877	rVB2	632099	1014781	11.28%	1.864%
30	13.085	1882	1886	1890	rBV	428718	624587	6.94%	1.147%
31	13.134	1890	1894	1896	rBV3	352068	534869	5.94%	0.983%
32	13.170	1896	1900	1907	rVB	1703214	2531194	28.13%	4.650%
33	13.298	1918	1921	1925	rVB	250464	301915	3.36%	0.555%
34	13.353	1926	1930	1933	rBV	389682	683121	7.59%	1.255%

LSC Area Percent Report

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Data File : VW005114.D
Acq On : 05 Sep 2018 07:40
Operator : SY/AP
Sample : J4693-06
Misc : 6.25G/5ML/MSVOA W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-MW-F(15-20)

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_W\METHOD\82W090118S.M
Title : SW846 8260

35	13.384	1933	1935	1940	rVB2	409094	556533	6.19%	1.022%
36	13.457	1940	1947	1950	rBV3	813301	1533635	17.05%	2.817%
37	13.494	1950	1953	1957	rVB2	517297	712674	7.92%	1.309%
38	13.567	1959	1965	1974	rVB	1444155	2561821	28.47%	4.706%
39	13.658	1977	1980	1983	rBV	92399	112497	1.25%	0.207%
40	13.725	1983	1991	1994	rBV4	321208	806734	8.97%	1.482%
41	13.762	1994	1997	2001	rVB	343714	504326	5.61%	0.926%
42	13.811	2001	2005	2011	rVB	507651	717073	7.97%	1.317%
43	13.890	2012	2018	2022	rBV2	1208033	2189278	24.33%	4.022%
44	13.926	2022	2024	2029	rVB2	350318	441113	4.90%	0.810%
45	13.987	2029	2034	2037	rBV4	333266	592768	6.59%	1.089%
46	14.048	2037	2044	2049	rVV6	424490	1101119	12.24%	2.023%
47	14.103	2049	2053	2057	rVB2	473268	728325	8.10%	1.338%
48	14.140	2057	2059	2065	rVB2	254493	339766	3.78%	0.624%
49	14.213	2065	2071	2077	rVB4	540773	1063395	11.82%	1.954%
50	14.286	2077	2083	2087	rBV4	311135	675469	7.51%	1.241%
51	14.353	2087	2094	2097	rBV3	190821	365650	4.06%	0.672%
52	14.396	2097	2101	2105	rBV2	613716	941112	10.46%	1.729%
53	14.469	2110	2113	2116	rVB	178130	230586	2.56%	0.424%
54	14.506	2116	2119	2123	rBV	194806	250266	2.78%	0.460%
55	14.560	2123	2128	2134	rBV3	226863	444480	4.94%	0.817%
56	14.713	2147	2153	2155	rBV3	114327	233622	2.60%	0.429%
57	14.743	2155	2158	2162	rVV	221934	317690	3.53%	0.584%
58	14.798	2162	2167	2173	rVV3	232947	496384	5.52%	0.912%
59	14.865	2173	2178	2184	rVV2	200646	428747	4.77%	0.788%
60	15.115	2216	2219	2225	rVV2	90796	151604	1.69%	0.279%
61	15.182	2225	2230	2237	rVB2	126080	283994	3.16%	0.522%

Sum of corrected areas: 54434753

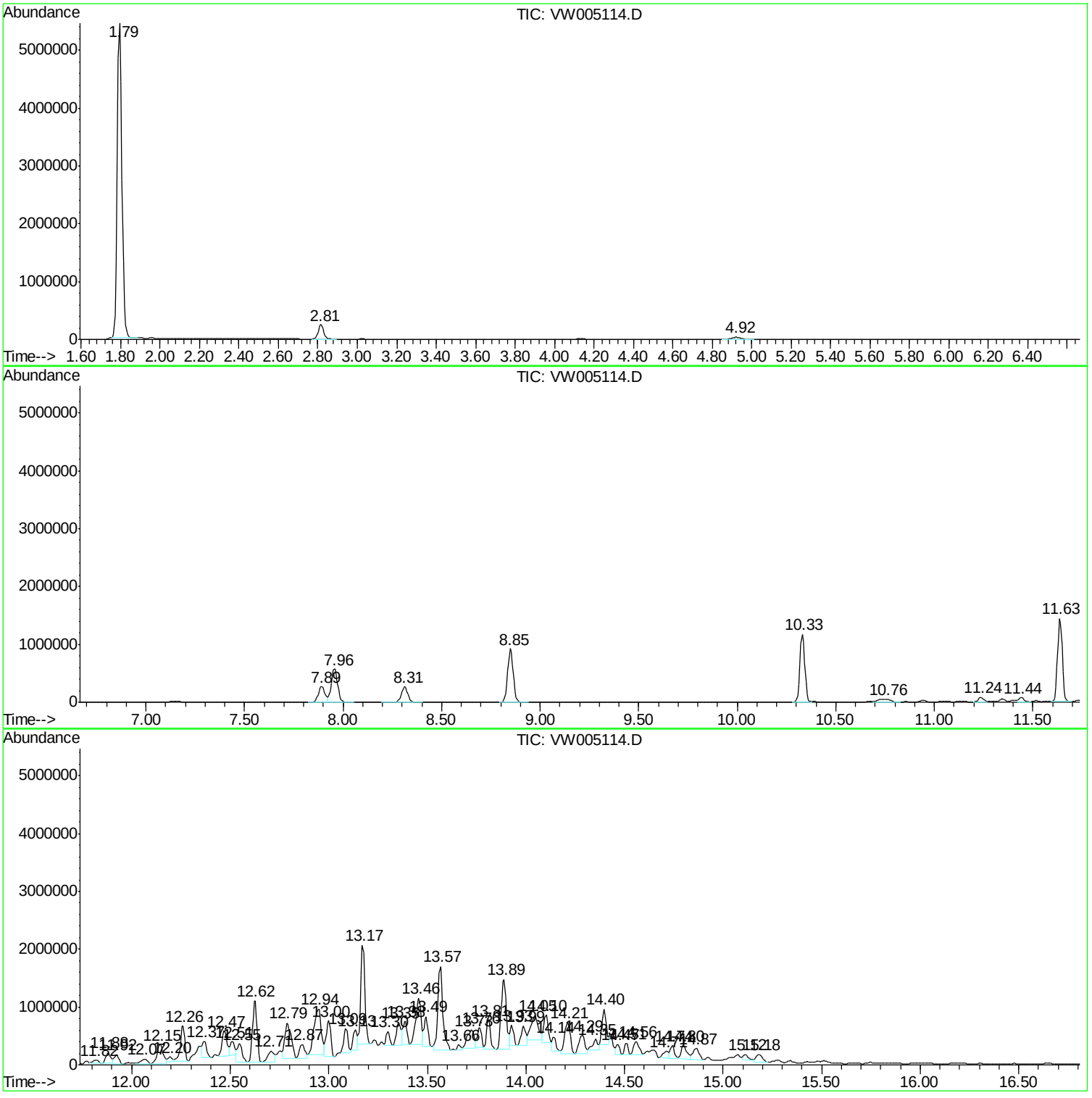
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
Data File : VW005114.D
Acq On : 05 Sep 2018 07:40
Operator : SY/AP
Sample : J4693-06
Misc : 6.25G/5ML/MSVOA W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EP1-MW-F(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090418\
Data File : VW005114.D
Acq On : 05 Sep 2018 07:40
Operator : SY/AP
Sample : J4693-06
Misc : 6.25G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-MW-F(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

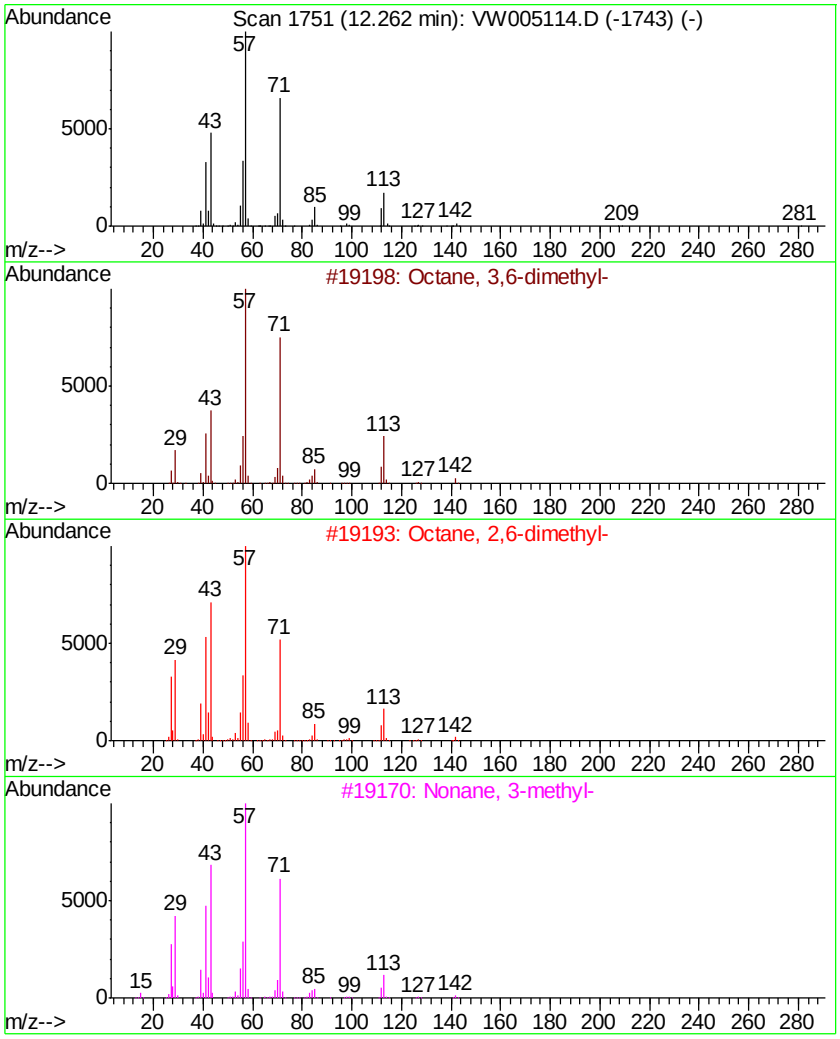
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

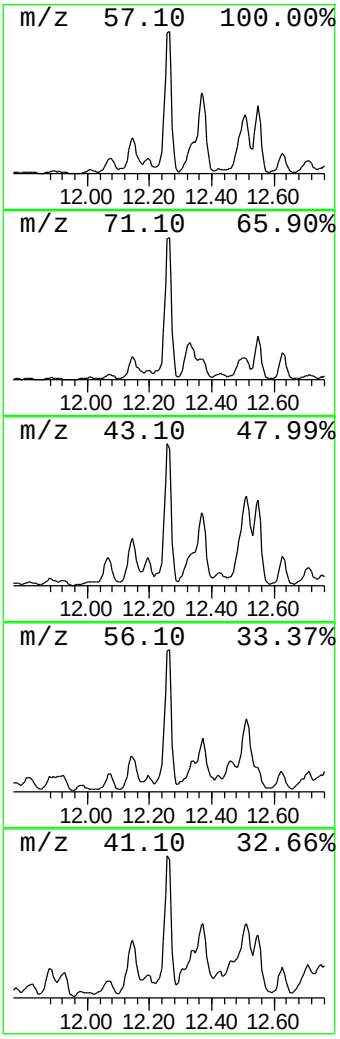
****

Peak Number 3 Octane, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	20.62 ug/l	998944	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	94
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090418\
Data File : VW005114.D
Acq On : 05 Sep 2018 07:40
Operator : SY/AP
Sample : J4693-06
Misc : 6.25G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-MW-F(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

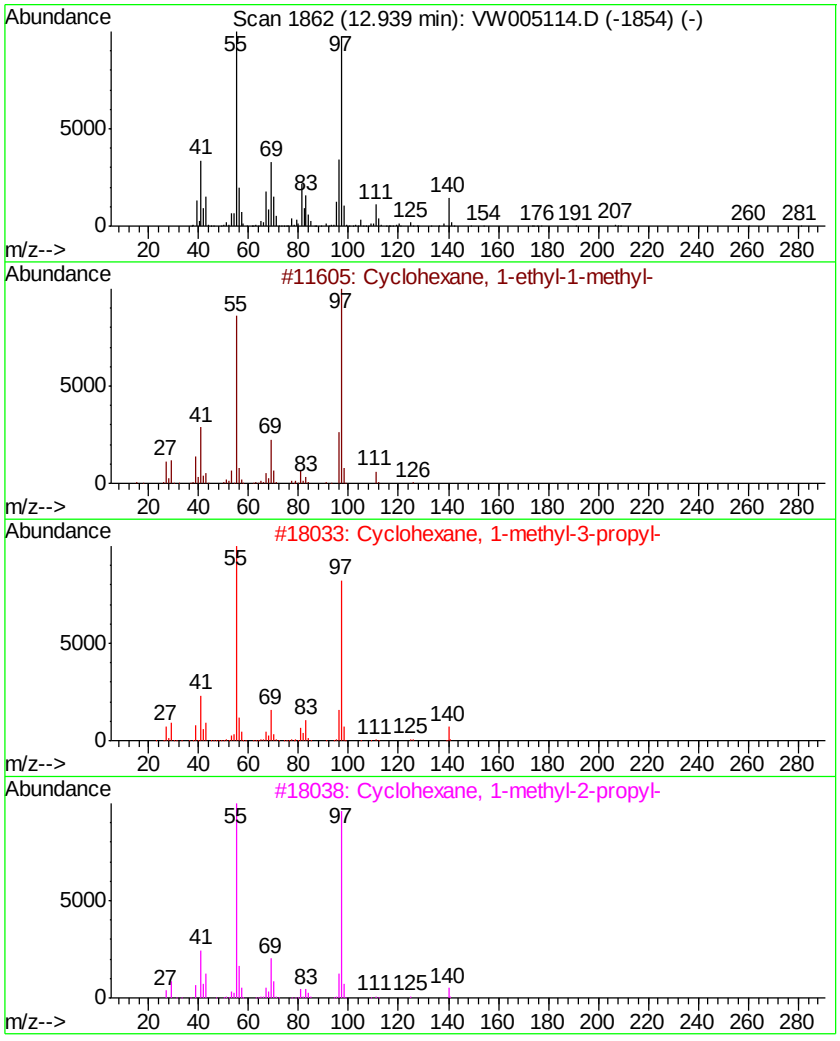
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

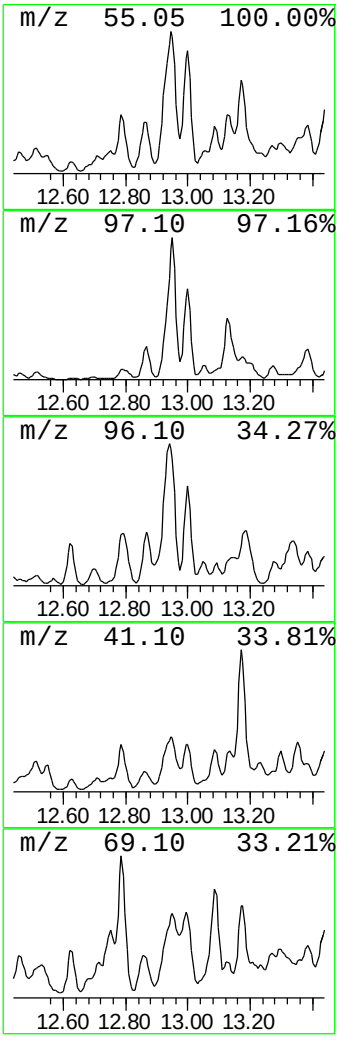
****

Peak Number 4 Cyclohexane, 1-ethyl-1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	40.66 ug/l	2083400	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	81
2	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	74
3	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
4	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	72
5	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090418\
Data File : VW005114.D
Acq On : 05 Sep 2018 07:40
Operator : SY/AP
Sample : J4693-06
Misc : 6.25G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-MW-F(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

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

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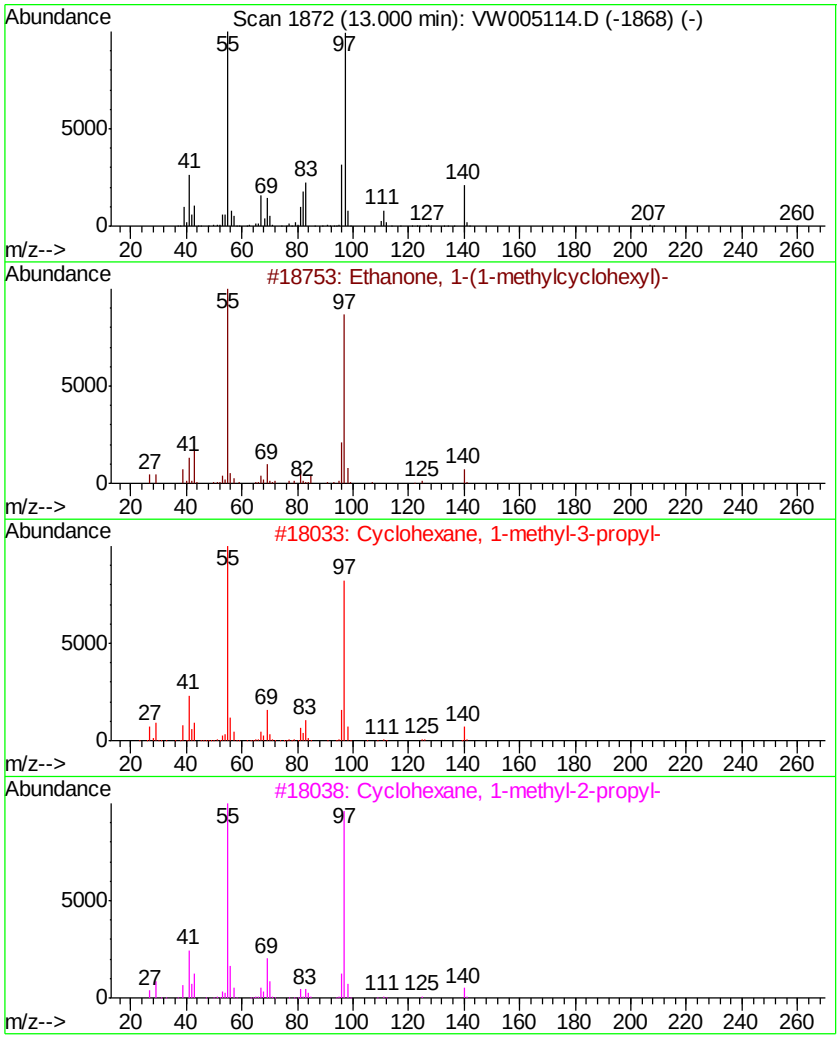
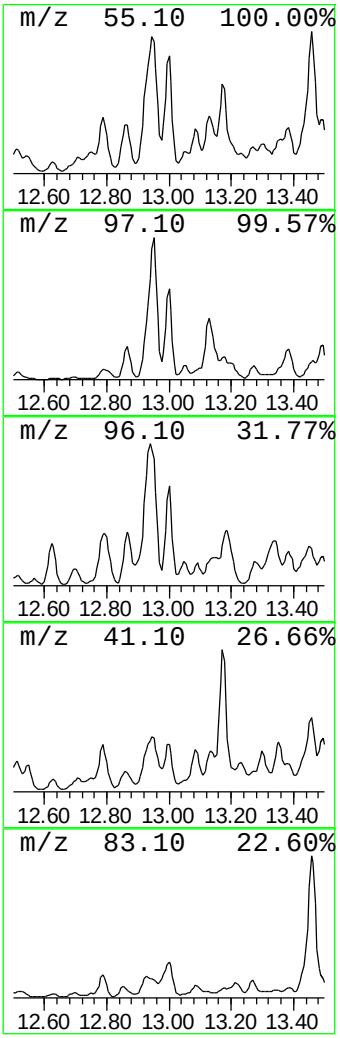
Peak Number 5 Ethanone, 1-(1-methylcycloh... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	19.81 ug/l	1014780	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	64
2	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	59
3	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	59
4	Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-5	53
5	Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090418\
Data File : VW005114.D
Acq On : 05 Sep 2018 07:40
Operator : SY/AP
Sample : J4693-06
Misc : 6.25G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-MW-F(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

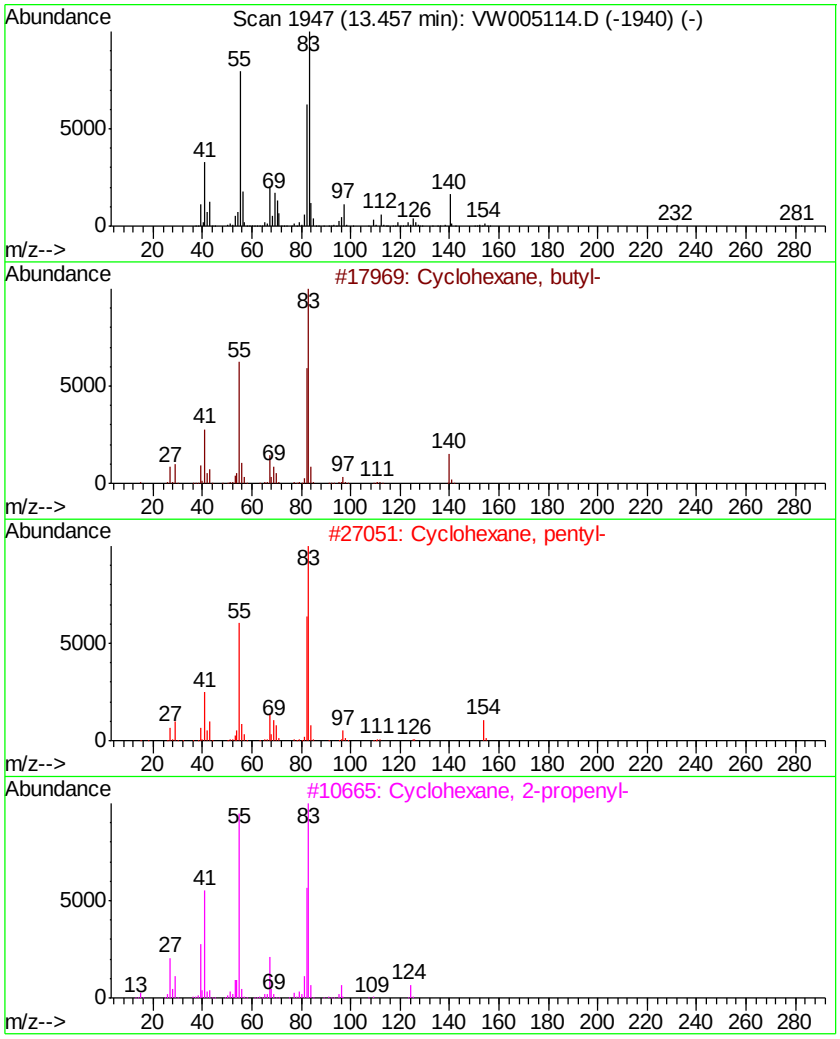
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

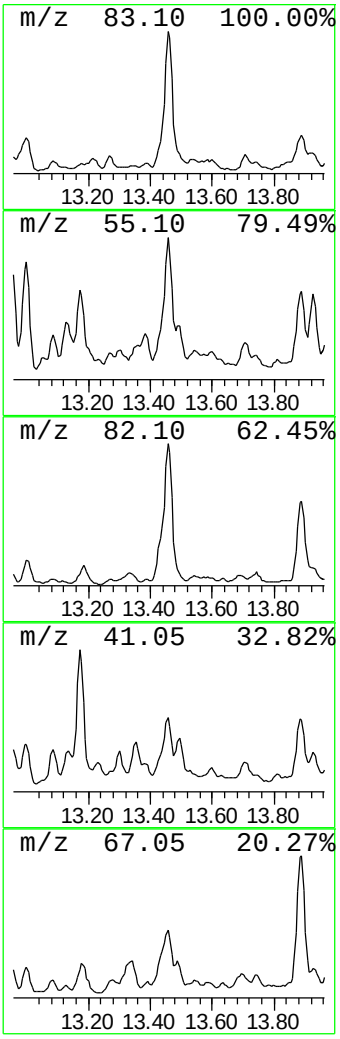
****

Peak Number 6 Cyclohexane, butyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	29.93 ug/l	1533640	1,4-Dichlorobenzene-d4	13.57

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	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	80
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090418\
Data File : VW005114.D
Acq On : 05 Sep 2018 07:40
Operator : SY/AP
Sample : J4693-06
Misc : 6.25G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-MW-F(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

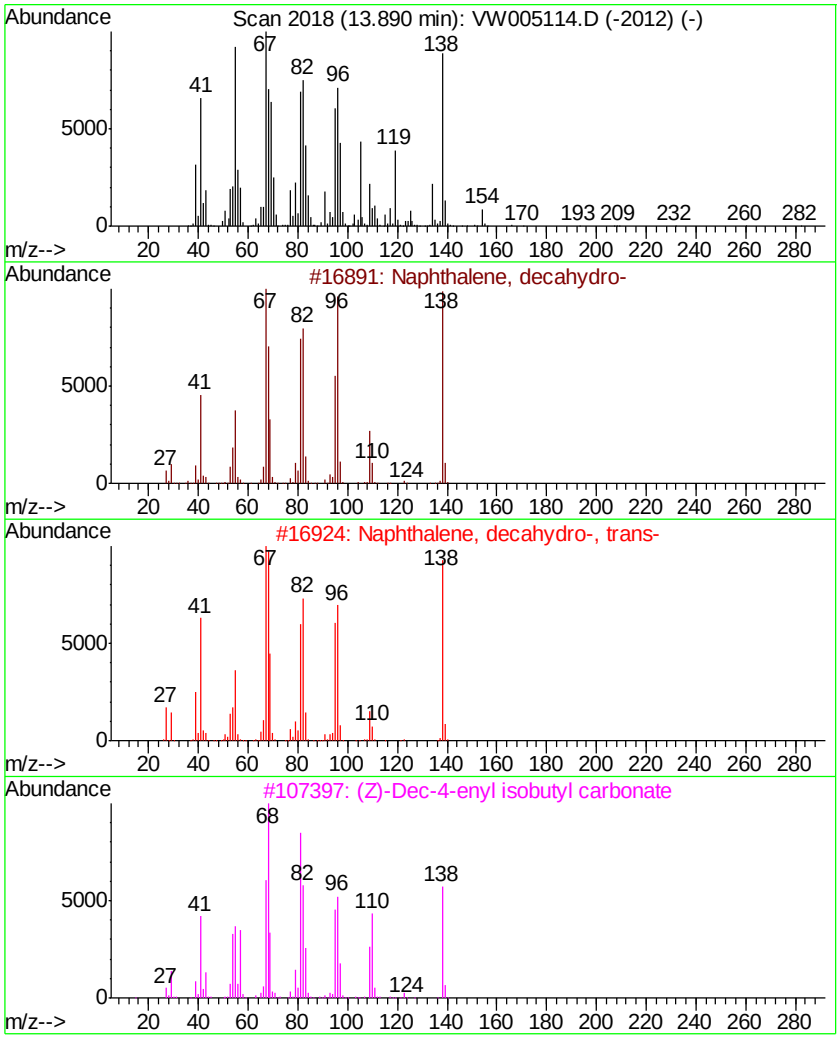
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

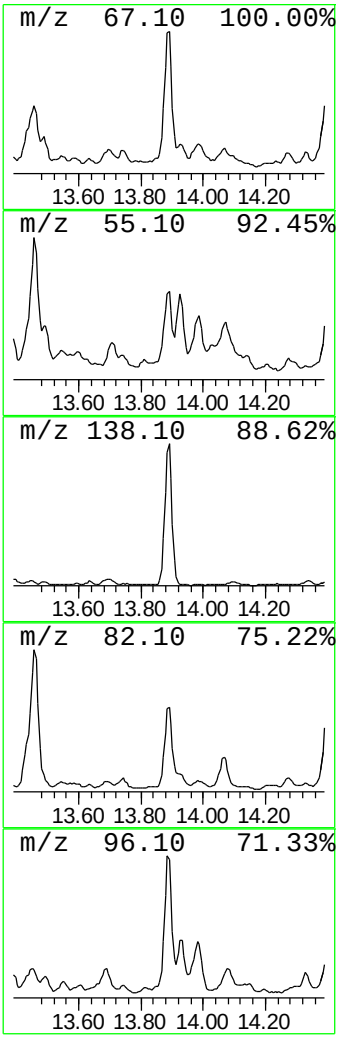
****

Peak Number 7 Naphthalene, decahydro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	42.73 ug/l	2189280	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	97
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
3	(Z)-Dec-4-enyl isobutyl carbonate	256	C15H28O3	1000372-79-2	72
4	Spiro[4.5]decane	138	C10H18	000176-63-6	70
5	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090418\
Data File : VW005114.D
Acq On : 05 Sep 2018 07:40
Operator : SY/AP
Sample : J4693-06
Misc : 6.25G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-MW-F(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

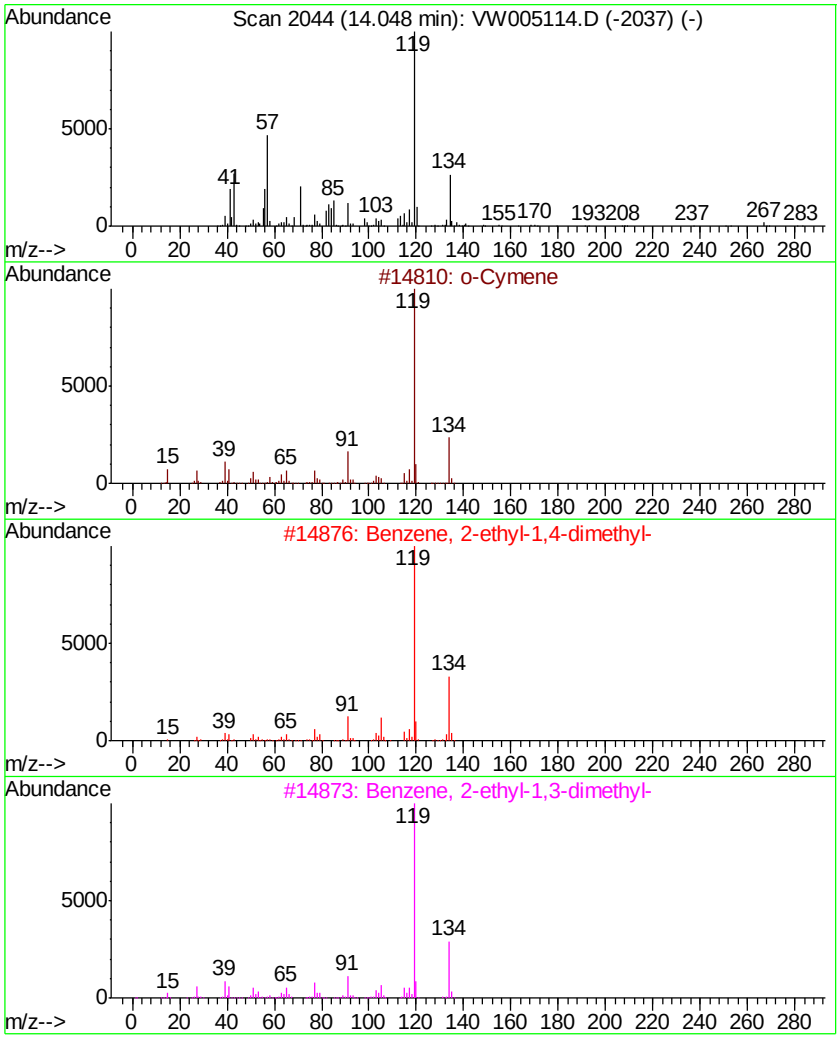
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

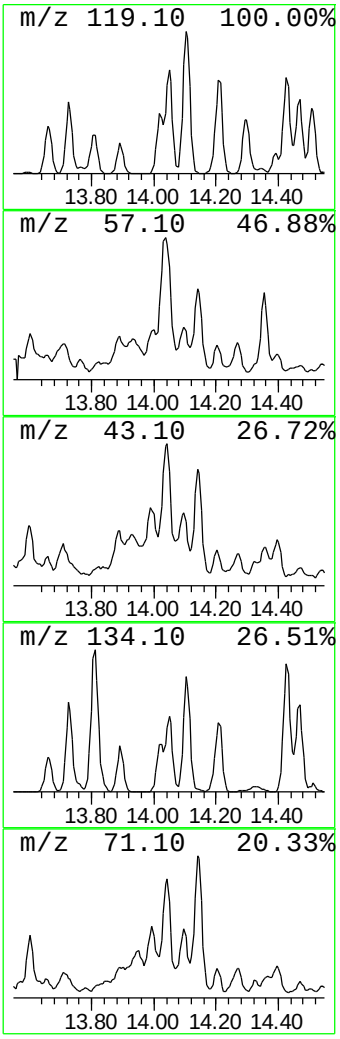
****

Peak Number 8 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	21.49 ug/l	1101120	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	92
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	86
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
4	p-Cymene	134	C10H14	000099-87-6	70
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090418\
Data File : VW005114.D
Acq On : 05 Sep 2018 07:40
Operator : SY/AP
Sample : J4693-06
Misc : 6.25G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-MW-F(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

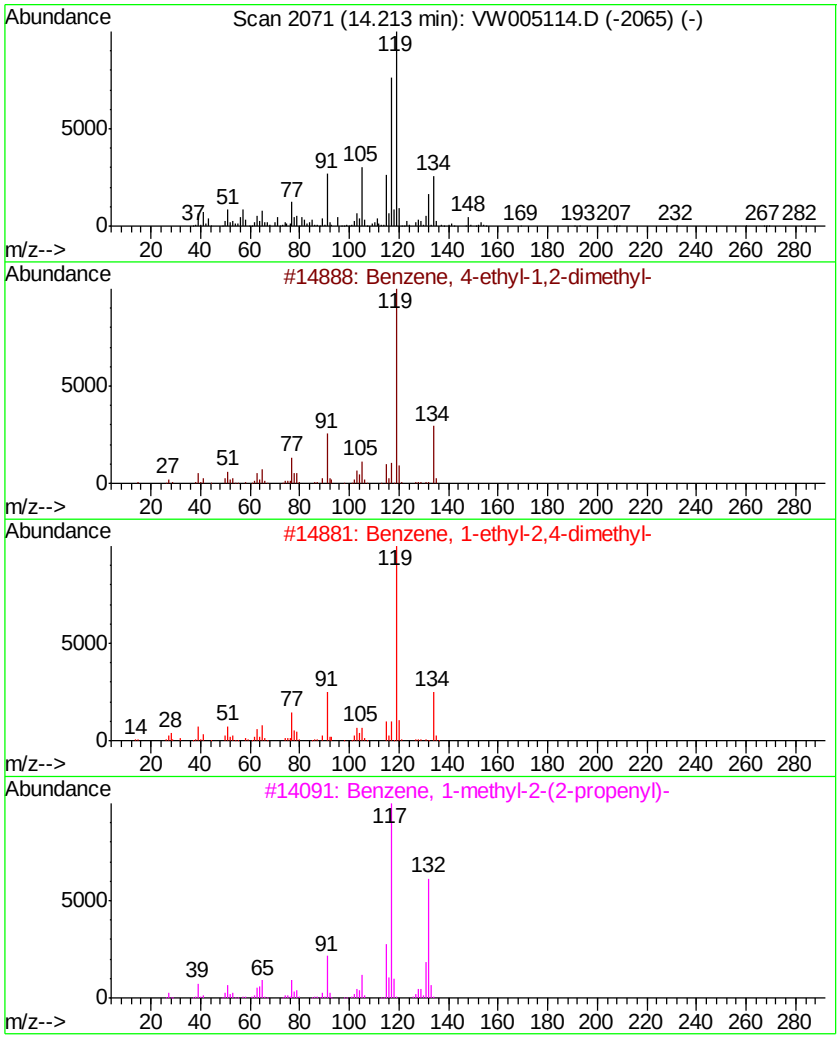
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

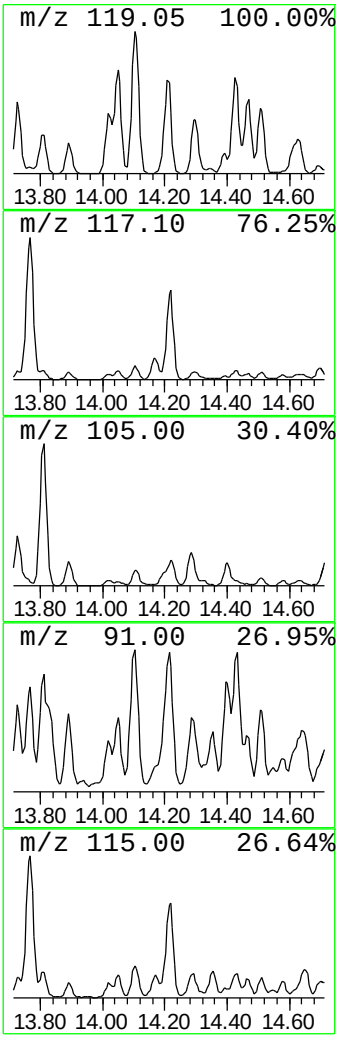
****

Peak Number 9 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	20.75 ug/l	1063400	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	50
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	50
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090418\
Data File : VW005114.D
Acq On : 05 Sep 2018 07:40
Operator : SY/AP
Sample : J4693-06
Misc : 6.25G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-MW-F(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

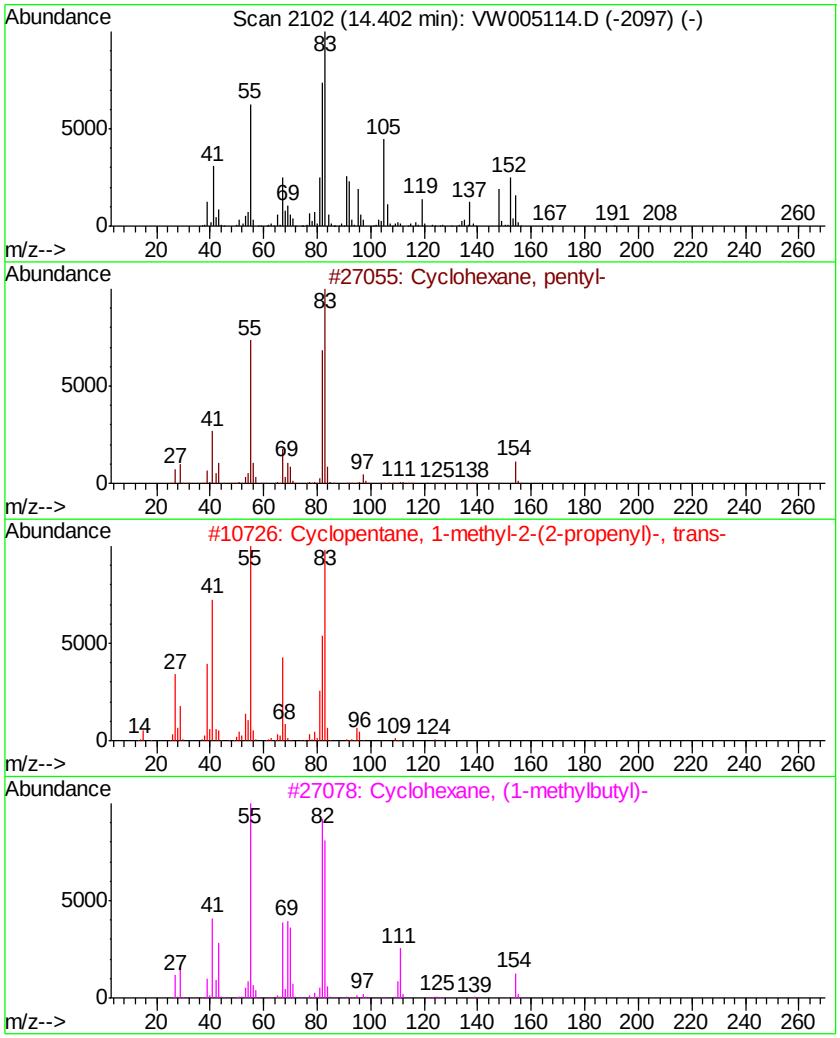
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

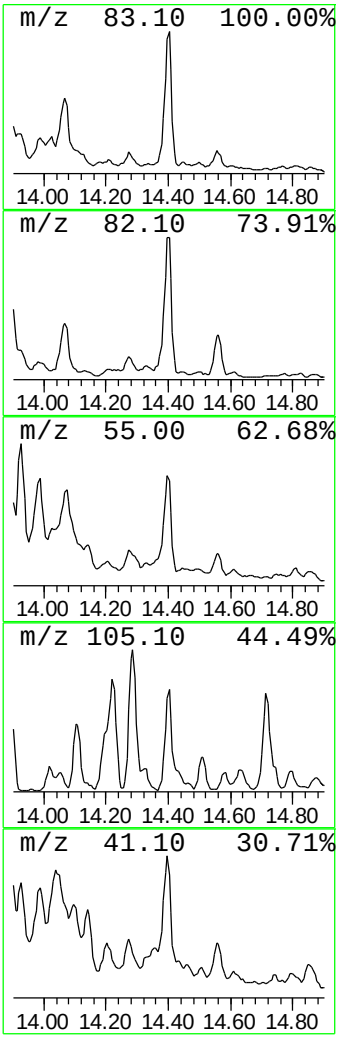
****

Peak Number 10 Cyclohexane, pentyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	18.37 ug/l	941112	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	50
2	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	47
3	Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	43
4	Cyclohexane, 1,1'-(1,3-propanedi...	208	C15H28	003178-24-3	38
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090418\
Data File : VW005114.D
Acq On : 05 Sep 2018 07:40
Operator : SY/AP
Sample : J4693-06
Misc : 6.25G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-MW-F(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.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, 3,6-dimet...	12.26	20.6	ug/l	998944	3	11.63	2422180	50.0
Cyclohexane, 1-et...	12.94	40.7	ug/l	2083400	4	13.57	2561820	50.0
Ethanone, 1-(1-me...	13.00	19.8	ug/l	1014780	4	13.57	2561820	50.0
Cyclohexane, butyl-	13.46	29.9	ug/l	1533640	4	13.57	2561820	50.0
Naphthalene, deca...	13.89	42.7	ug/l	2189280	4	13.57	2561820	50.0
o-Cymene	14.05	21.5	ug/l	1101120	4	13.57	2561820	50.0
Benzene, 4-ethyl-...	14.21	20.8	ug/l	1063400	4	13.57	2561820	50.0
Cyclohexane, pentyl-	14.40	18.4	ug/l	941112	4	13.57	2561820	50.0