LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091718\
Data File : VW005461.D
Acq On : 18 Sep 2018 05:26
Operator : SY/AP
Sample : J4946-01
Misc : 6.62G/5ML/MSVOA W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RB12983RT

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\82W091618S.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	1.959	5	9	20	rVB2	25638	48995	2.06%	0.386%
2	2.324	64	69	78	rBV2	12939	27971	1.18%	0.220%
3	4.147	358	368	370	rBV	21461	45025	1.90%	0.355%
4	4.208	371	378	393	rVB	180166	492793	20.77%	3.883%
5	4.921	482	495	514	rBV	20504	70042	2.95%	0.552%
6	7.890	972	982	987	rBV	135609	317757	13.39%	2.504%
7	7.958	987	993	1016	rVB	357812	804288	33.90%	6.338%
8	8.311	1042	1051	1063	rBV	157149	346498	14.60%	2.731%
9	8.707	1108	1116	1124	rBV	10597	25945	1.09%	0.204%
10	8.848	1130	1139	1161	rBV	533987	1073116	45.23%	8.457%
11	10.140	1339	1351	1357	rBV2	12009	25885	1.09%	0.204%
12	10.329	1374	1382	1389	rBV	539773	954527	40.23%	7.522%
13	11.634	1589	1596	1606	rBV	626667	1098728	46.31%	8.658%
14	11.841	1623	1630	1642	rBV2	16951	41516	1.75%	0.327%
15	12.170	1674	1684	1692	rBV	55282	103399	4.36%	0.815%
16	12.341	1704	1712	1715	rBV2	22221	42706	1.80%	0.337%
17	12.445	1723	1729	1730	rBV	29248	42681	1.80%	0.336%
18	12.475	1730	1734	1740	rVB	96895	163213	6.88%	1.286%
19	12.627	1751	1759	1767	rBV	364143	624686	26.33%	4.923%
20	12.725	1767	1775	1782	rBV3	22038	39661	1.67%	0.313%
21	12.810	1784	1789	1794	rVB	25817	40701	1.72%	0.321%
22	12.871	1794	1799	1802	rBV	86485	137927	5.81%	1.087%
23	12.908	1802	1805	1808	rVV2	44996	73305	3.09%	0.578%
24	12.957	1808	1813	1822	rVB4	117961	247827	10.44%	1.953%
25	13.109	1831	1838	1845	rBV	104442	177947	7.50%	1.402%
26	13.261	1857	1863	1865	rBV	147480	236946	9.99%	1.867%
27	13.292	1865	1868	1875	rVB	112261	167574	7.06%	1.321%
28	13.377	1875	1882	1887	rBV4	72943	145522	6.13%	1.147%
29	13.475	1890	1898	1907	rBV2	1359699	2372765	100.00%	18.698%
30	13.566	1907	1913	1921	rBV2	526564	903783	38.09%	7.122%
31	13.725	1933	1939	1942	rBV5	39119	69067	2.91%	0.544%
32	13.761	1942	1945	1948	rVV2	37745	60230	2.54%	0.475%
33	13.798	1948	1951	1956	rVV3	27567	47232	1.99%	0.372%
34	13.883	1960	1965	1970	rBV3	46294	69755	2.94%	0.550%

LSC Area Percent Report

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ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RB12983RT

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\82W091618S.M
Title : SW846 8260

35	14.005	1980	1985	1990	rBV3	63381	109608	4.62%	0.864%
36	14.158	2006	2010	2015	rVB6	21612	33925	1.43%	0.267%
37	14.212	2015	2019	2024	rBV3	19107	30763	1.30%	0.242%
38	14.273	2025	2029	2035	rBV9	13439	27852	1.17%	0.219%
39	14.395	2045	2049	2052	rBV4	25317	39985	1.69%	0.315%
40	14.511	2064	2068	2070	rBV5	17394	27060	1.14%	0.213%
41	14.603	2078	2083	2090	rVB	118718	184814	7.79%	1.456%
42	14.700	2093	2099	2103	rBV	272691	449977	18.96%	3.546%
43	14.737	2103	2105	2111	rVB2	76111	96941	4.09%	0.764%
44	14.810	2111	2117	2121	rBV5	44232	102086	4.30%	0.804%
45	14.865	2122	2126	2130	rVB6	29082	57202	2.41%	0.451%
46	15.078	2156	2161	2166	rBV4	80925	141397	5.96%	1.114%
47	15.340	2200	2204	2211	rBV4	60908	121622	5.13%	0.958%
48	15.572	2239	2242	2250	rVB7	56648	126410	5.33%	0.996%

Sum of corrected areas: 12689655

LSC Report - Integrated Chromatogram

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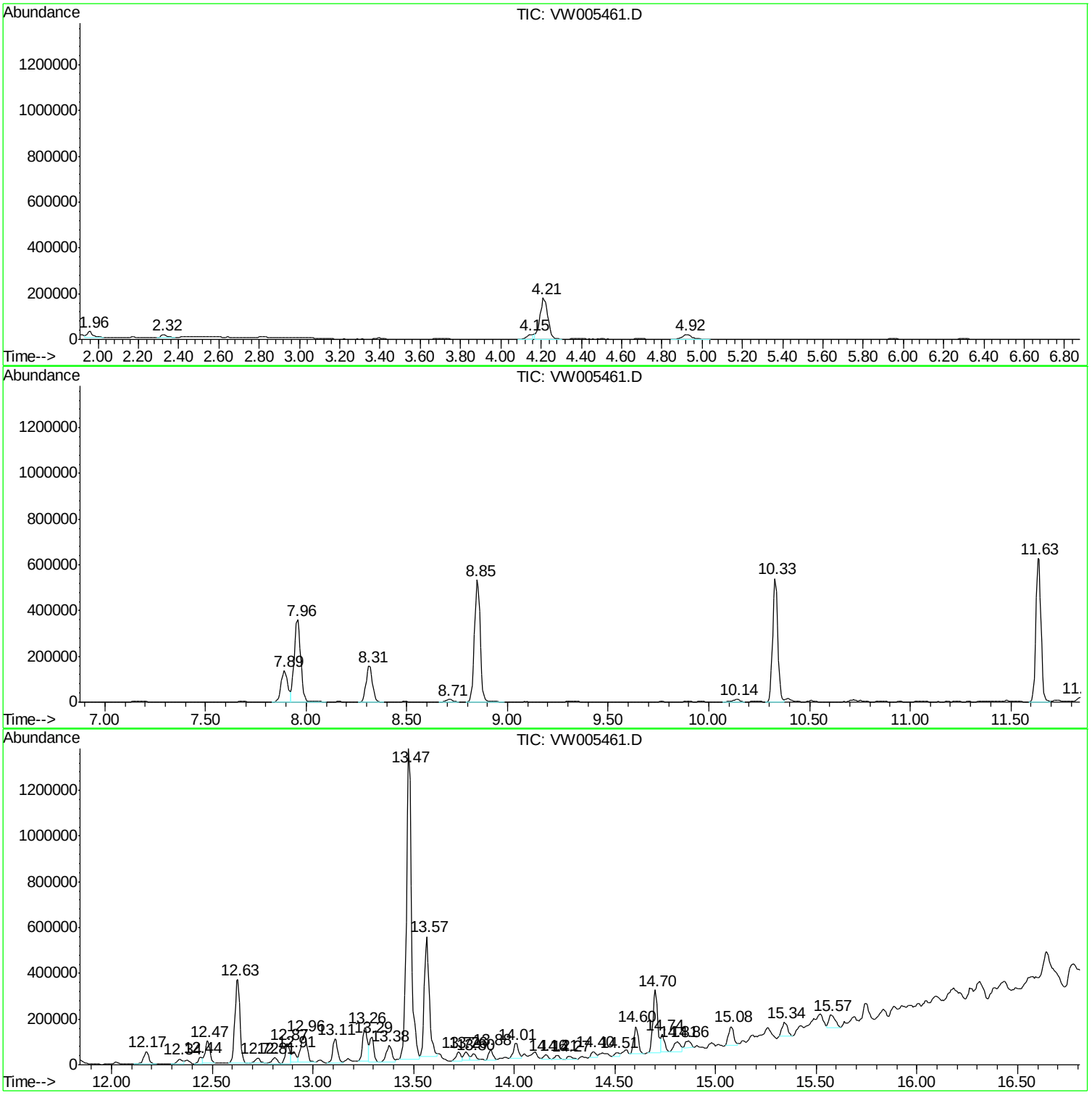
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RB12983RT

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260

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



Library Search Compound Report

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Instrument : MSVOA_W
ClientSampleId : RB12983RT

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260

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

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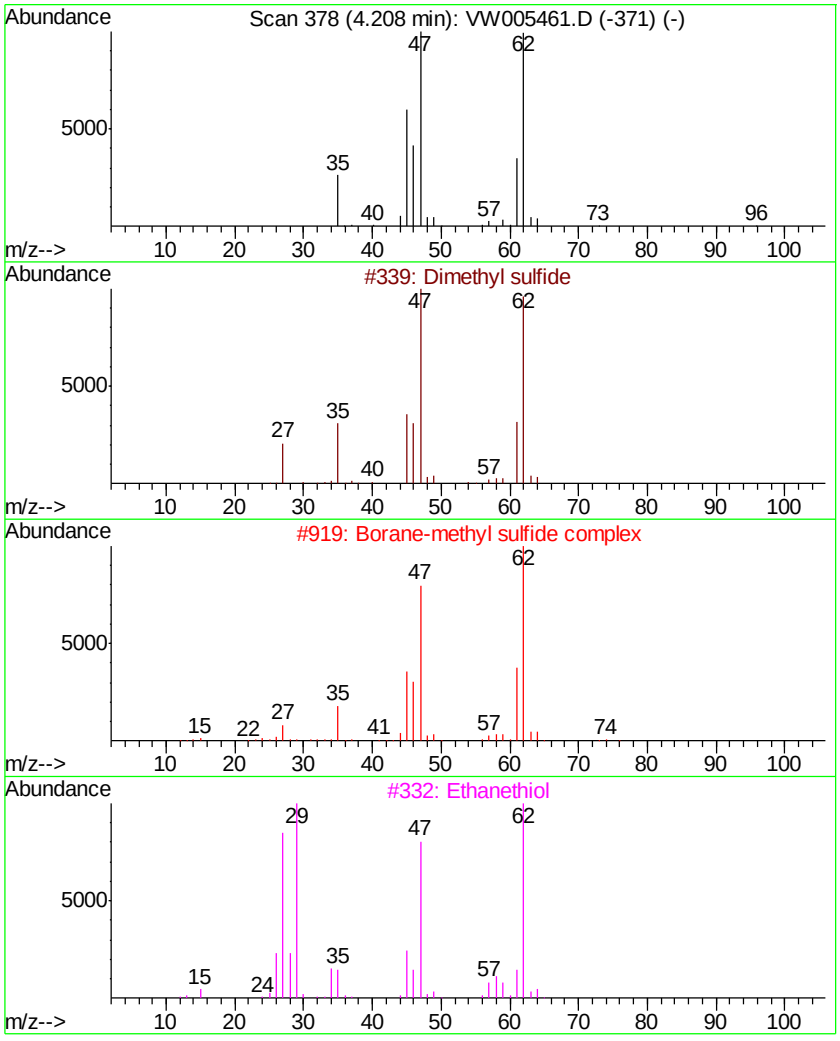
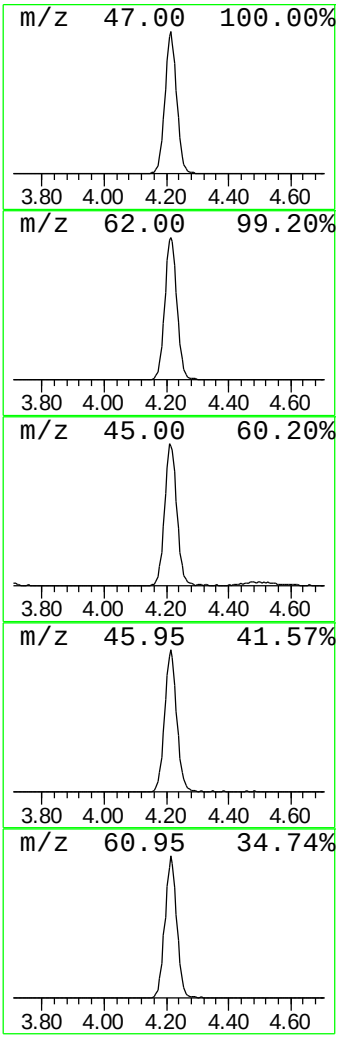
Peak Number 1 Dimethyl sulfide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.21	30.64 ug/l	492793	Pentafluorobenzene	7.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl sulfide	62	C2H6S	000075-18-3	95
2	Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	83
3	Ethanethiol	62	C2H6S	000075-08-1	59
4	Propane, 2-fluoro-	62	C3H7F	000420-26-8	9
5	Ethene, chloro-	62	C2H3Cl	000075-01-4	7





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Instrument : MSVOA_W
ClientSampleId : RB12983RT

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260

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

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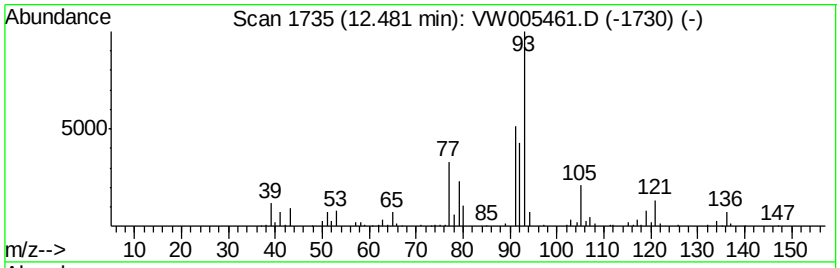
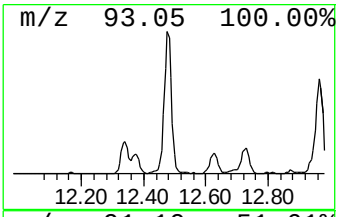
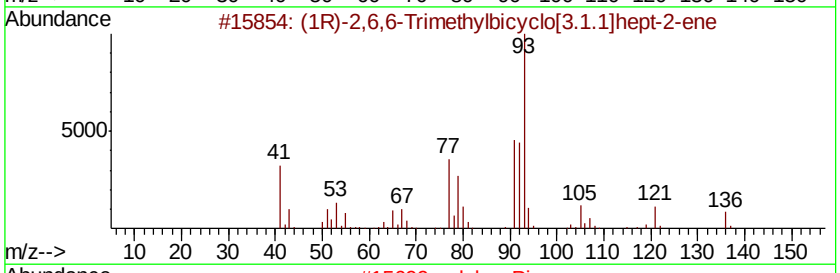
Peak Number 2 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 8

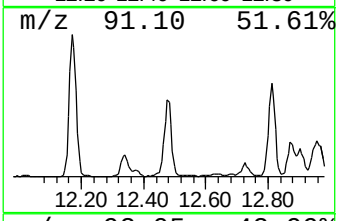
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	7.43 ug/l	163213	Chlorobenzene-d5	11.64

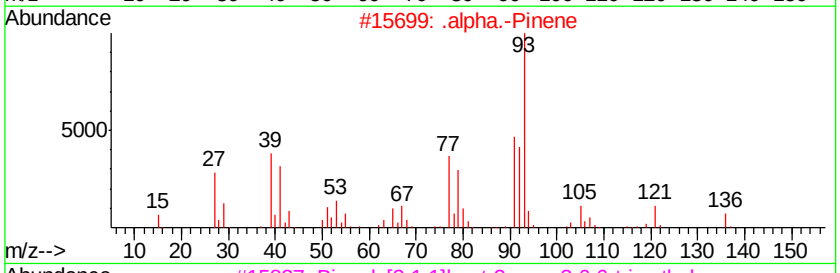
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	93
2	.alpha.-Pinene	136	C10H16	000080-56-8	93
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	87
4	.gamma.-Terpinene	136	C10H16	000099-85-4	80
5	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	76

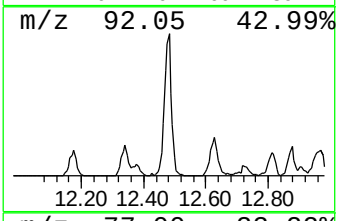


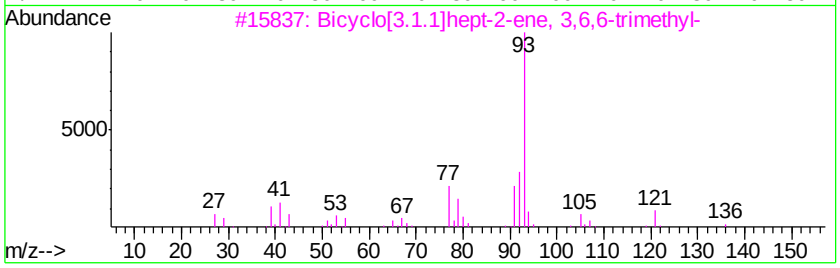


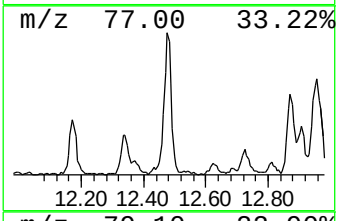


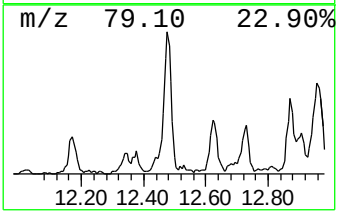












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ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RB12983RT

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260

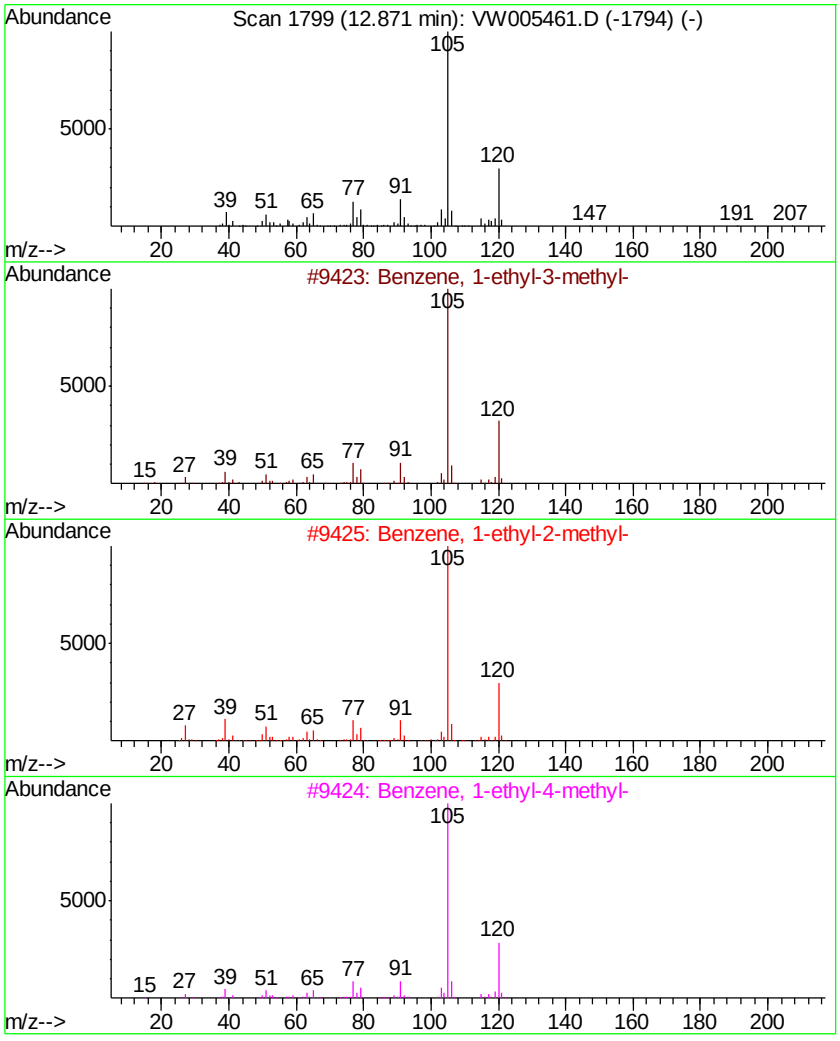
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

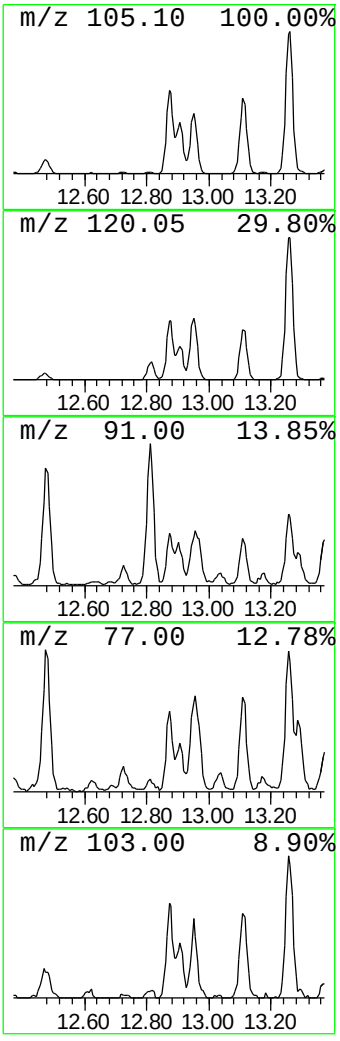
****

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	7.63 ug/l	137927	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

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Instrument : MSVOA_W
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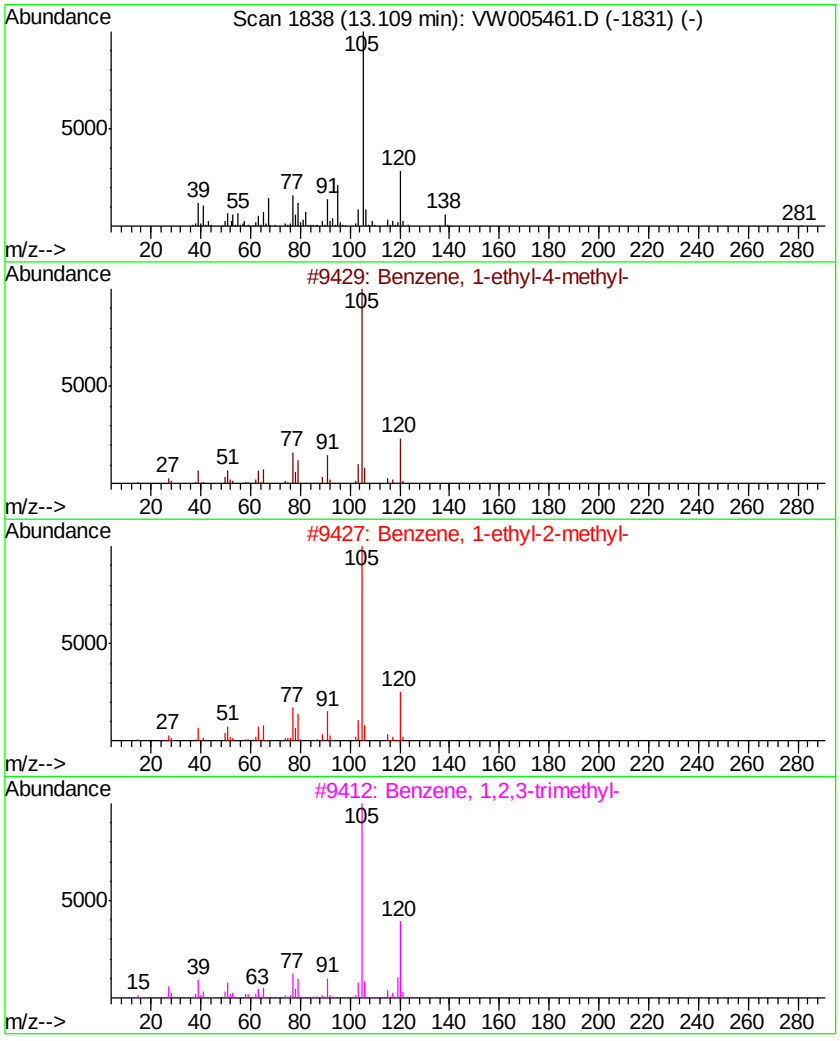
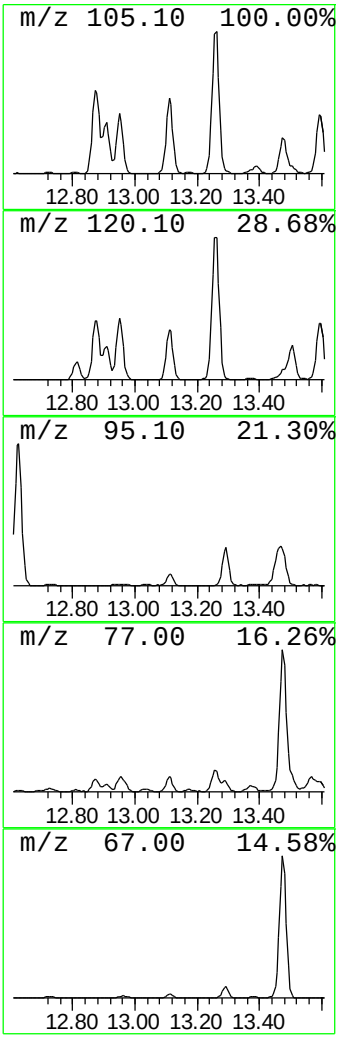
****

Peak Number 4 Benzene, 1-ethyl-4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	9.84 ug/l	177947	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	70
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	70
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	70
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	70
5	Mesitylene	120	C9H12	000108-67-8	70





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Quant Title : SW846 8260

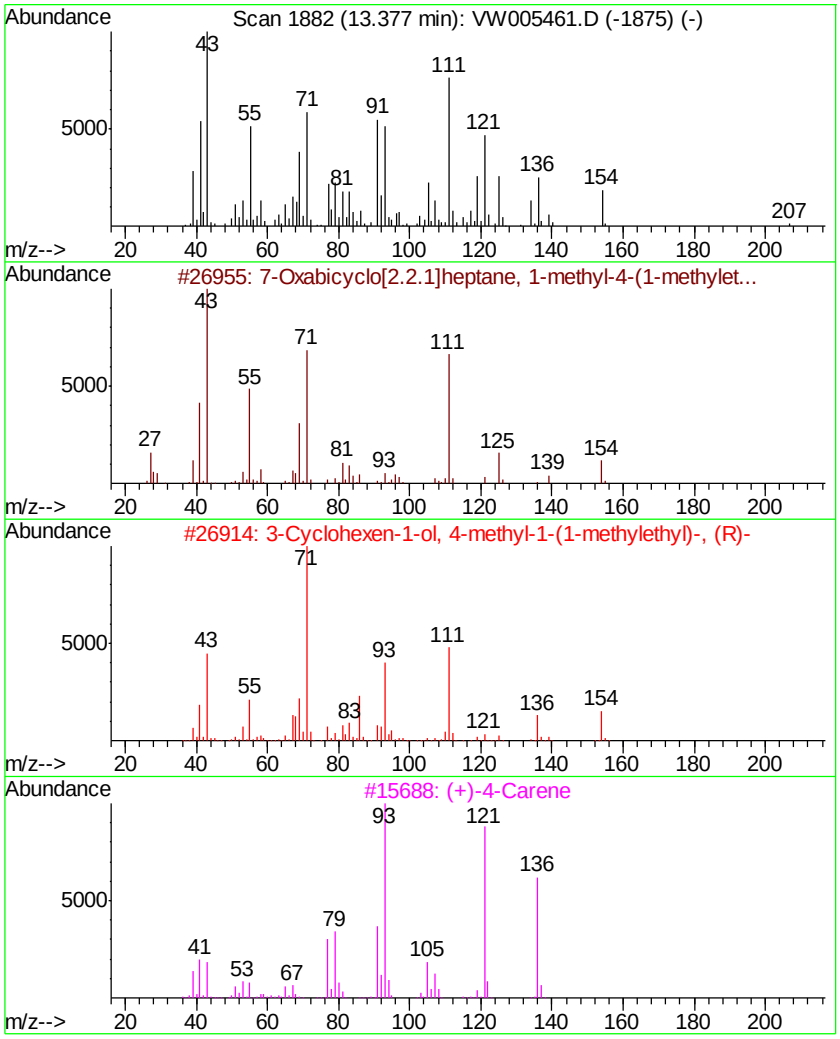
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

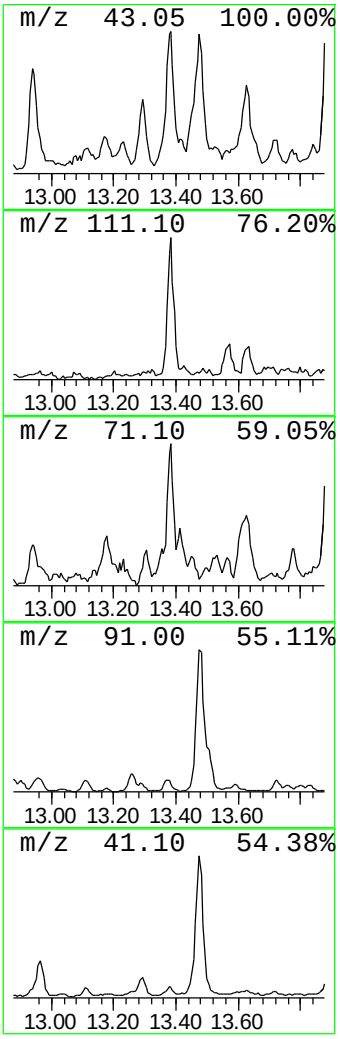
****

Peak Number 5 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	8.05 ug/l	145522	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	70
2	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	020126-76-5	62
3	(+)-4-Carene	136	C10H16	029050-33-7	43
4	Terpinen-4-ol	154	C10H18O	000562-74-3	38
5	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	35





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Quant Title : SW846 8260

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

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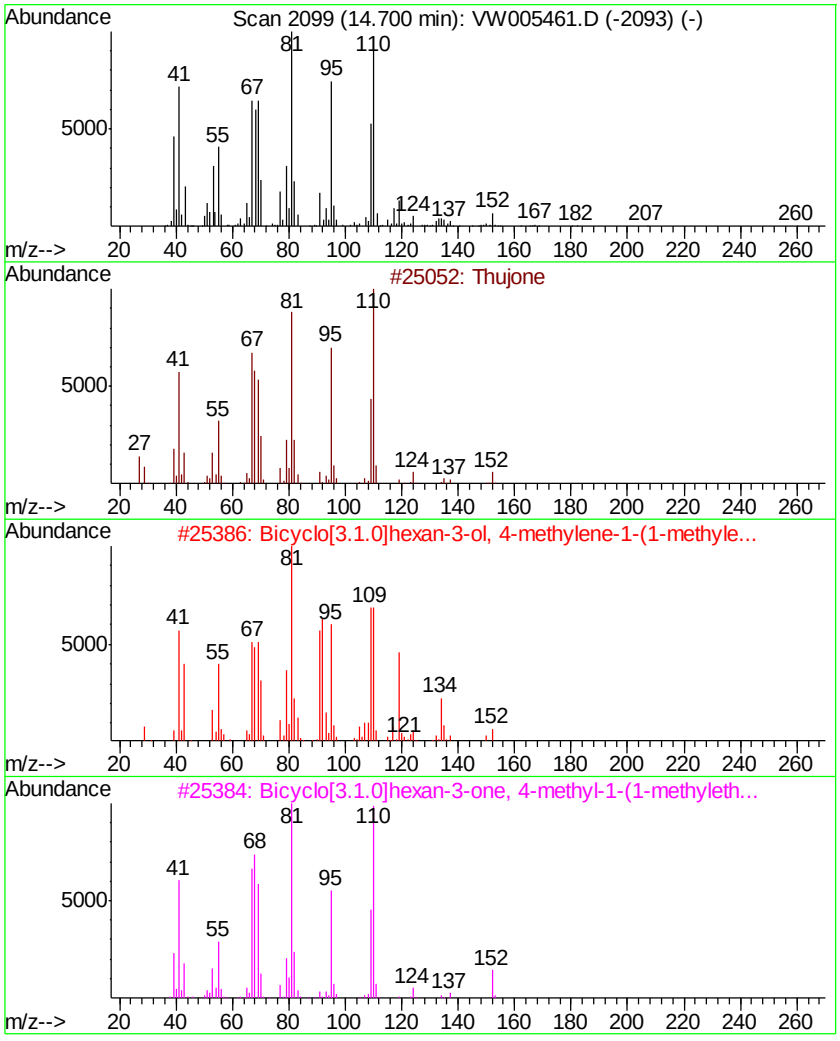
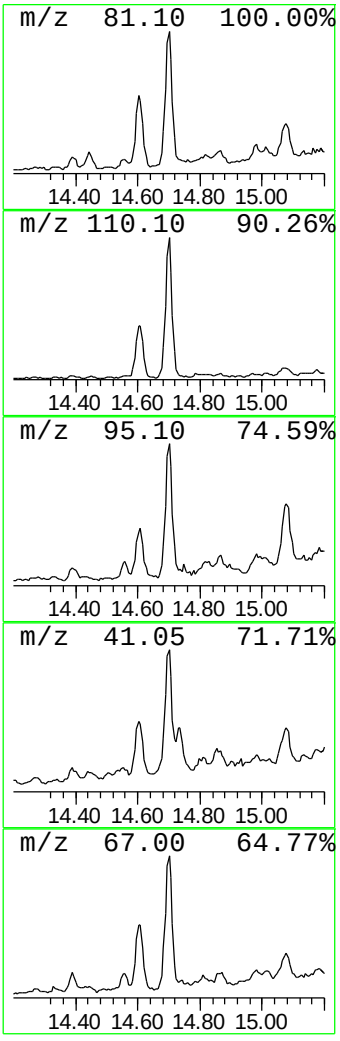
Peak Number 7 Thujone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	24.89 ug/l	449977	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thujone	152	C10H16O	000546-80-5	95
2	Bicyclo[3.1.0]hexan-3-ol, 4-meth...	152	C10H16O	000471-16-9	83
3	Bicyclo[3.1.0]hexan-3-one, 4-met...	152	C10H16O	000471-15-8	80
4	Bicyclo[3.1.0]hexan-3-one, 4-met...	152	C10H16O	001125-12-8	80
5	4-Octyne	110	C8H14	001942-45-6	52





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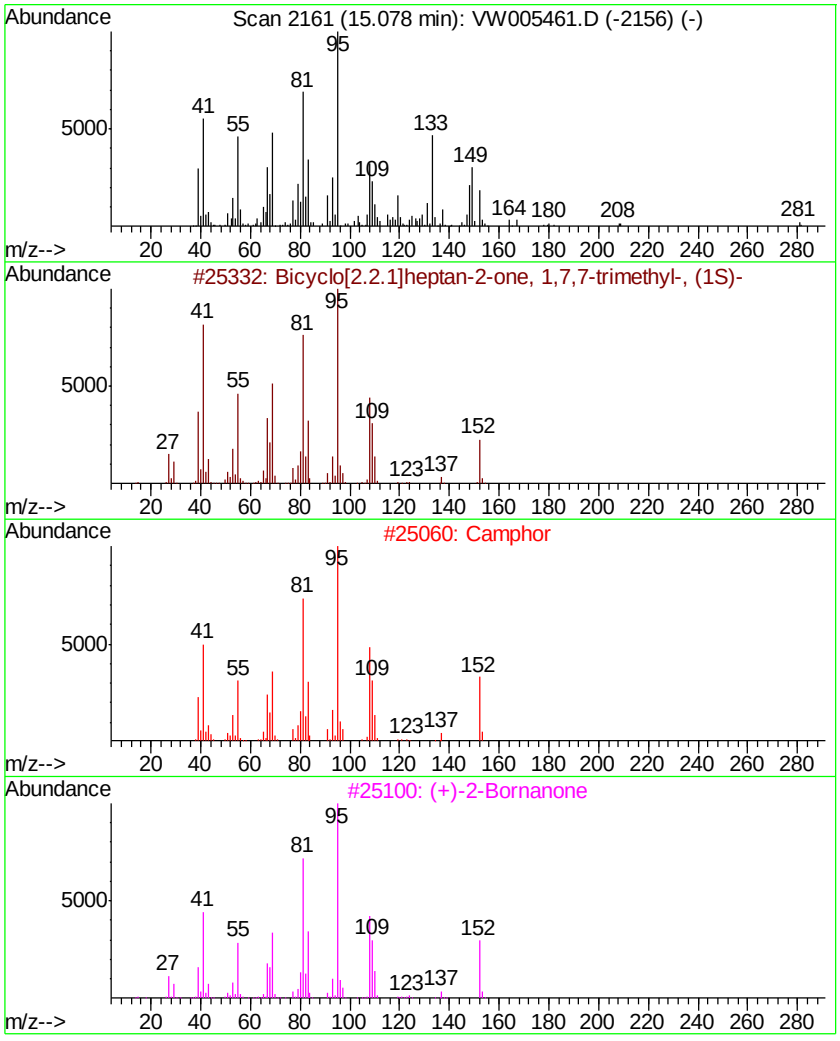
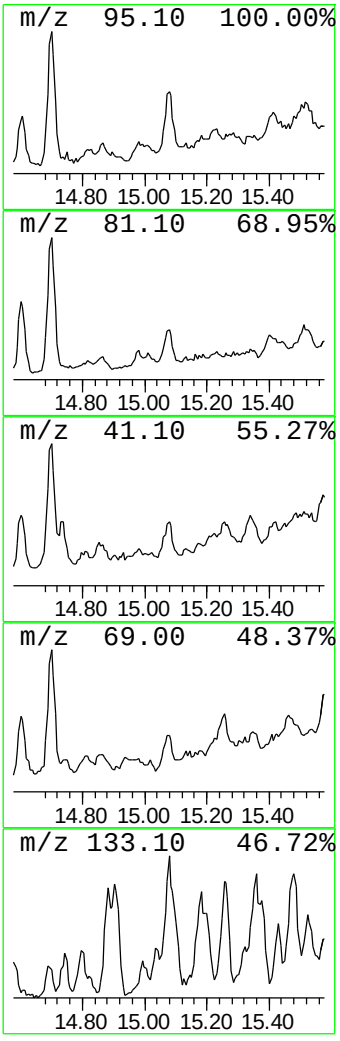
****

Peak Number 8 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	7.82 ug/l	141397	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	91
2	Camphor	152	C10H16O	000076-22-2	90
3	(+)-2-Bornanone	152	C10H16O	000464-49-3	87
4	5,7-Octadien-4-one, 2,6-dimethyl...	152	C10H16O	006752-80-3	38
5	Norbornane, 2-isobutyl-	152	C11H20	018127-14-5	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091718\
Data File : VW005461.D
Acq On : 18 Sep 2018 05:26
Operator : SY/AP
Sample : J4946-01
Misc : 6.62G/5ML/MSVOA W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RB12983RT

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260

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

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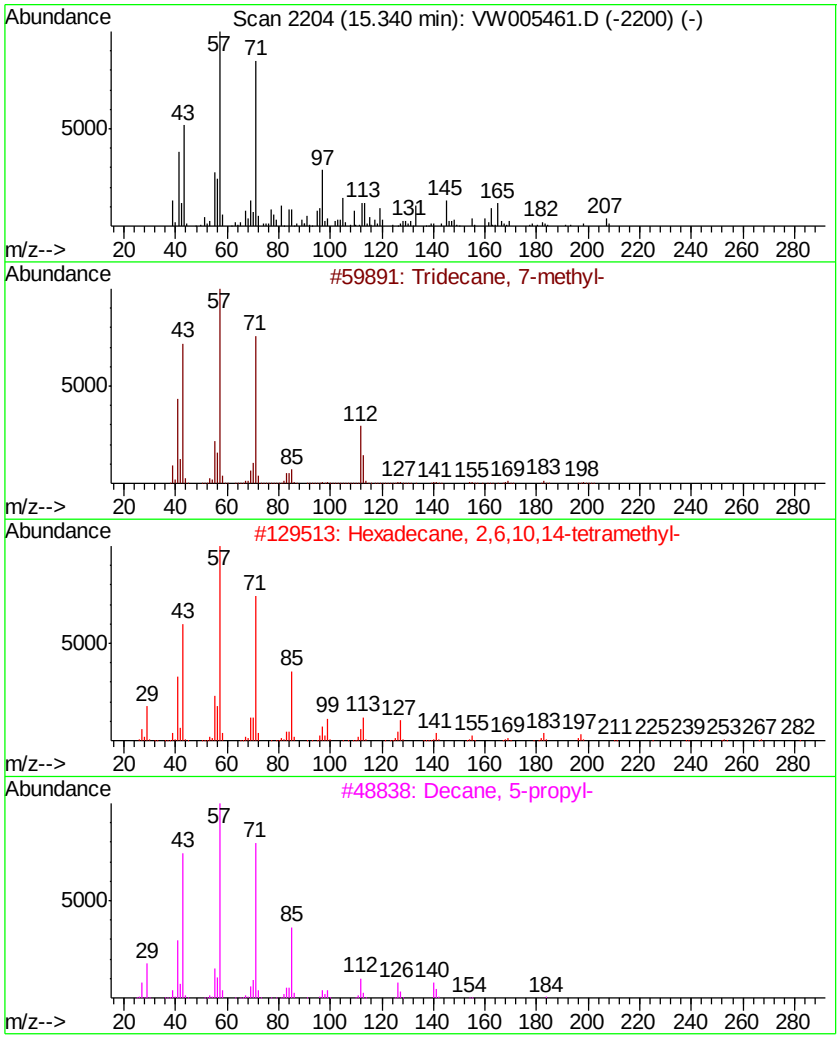
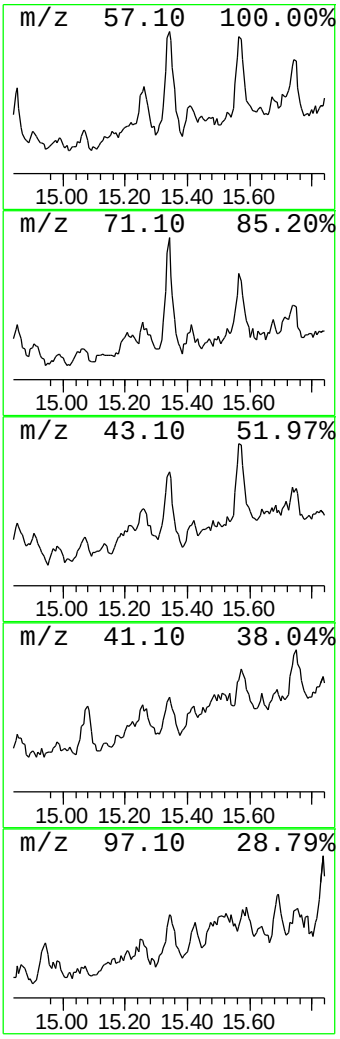
Peak Number 9 Tridecane, 7-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	6.73 ug/l	121622	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-methyl-	198	C14H30	026730-14-3	50
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	43
3	Decane, 5-propyl-	184	C13H28	017312-62-8	43
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43
5	Decane, 4-methyl-	156	C11H24	002847-72-5	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091718\
Data File : VW005461.D
Acq On : 18 Sep 2018 05:26
Operator : SY/AP
Sample : J4946-01
Misc : 6.62G/5ML/MSVOA W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RB12983RT

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260

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

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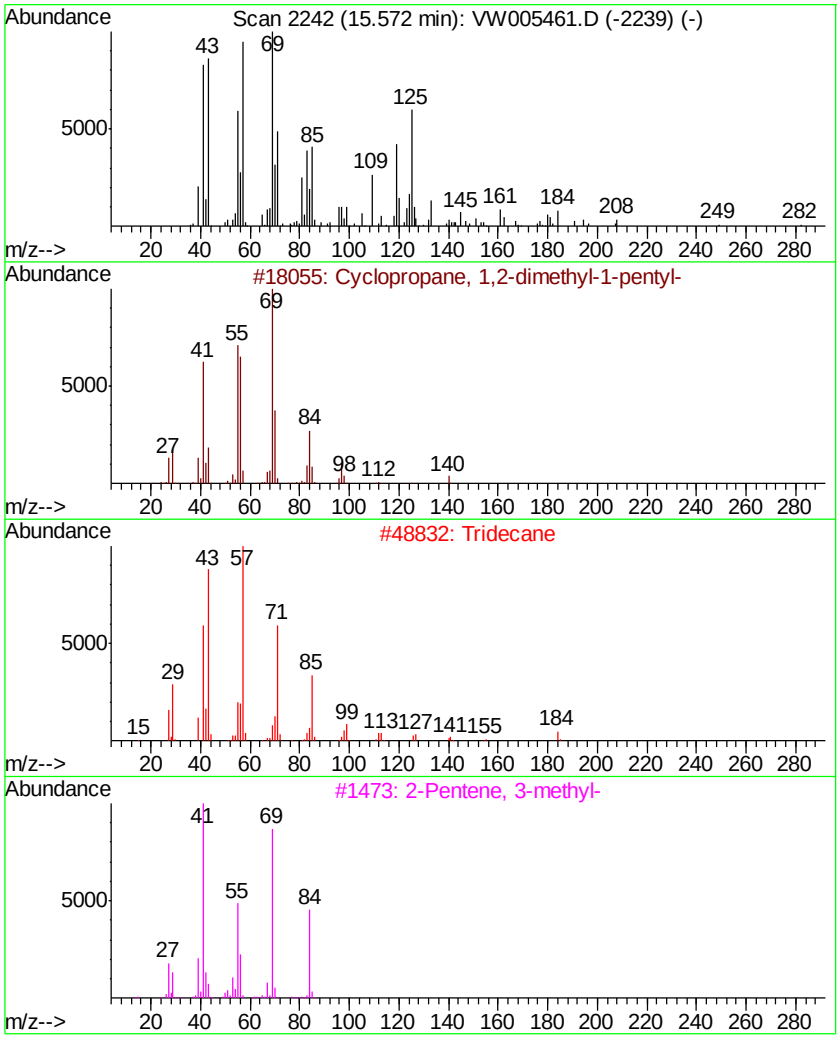
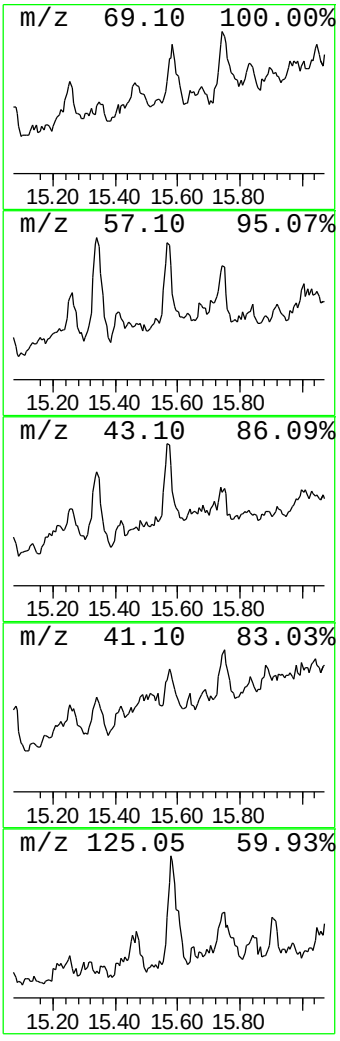
Peak Number 10 unknown15.57 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	6.99 ug/l	126410	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	35
2	Tridecane	184	C13H28	000629-50-5	25
3	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	18
4	Oxalic acid, 6-ethyloct-3-yl iso...	314	C18H34O4	1000309-34-3	14
5	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
Data File : VW005461.D
Acq On : 18 Sep 2018 05:26
Operator : SY/AP
Sample : J4946-01
Misc : 6.62G/5ML/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RB12983RT

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.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
Dimethyl sulfide	4.21	30.6	ug/l	492793	1	7.96	804288	50.0
(1R)-2,6,6-Trimet...	12.48	7.4	ug/l	163213	3	11.64	1098730	50.0
Benzene, 1-ethyl-...	12.87	7.6	ug/l	137927	4	13.57	903783	50.0
Benzene, 1-ethyl-...	13.11	9.8	ug/l	177947	4	13.57	903783	50.0
7-Oxabicyclo[2.2....	13.38	8.1	ug/l	145522	4	13.57	903783	50.0
Thujone	14.70	24.9	ug/l	449977	4	13.57	903783	50.0
Bicyclo[2.2.1]hep...	15.08	7.8	ug/l	141397	4	13.57	903783	50.0
Tridecane, 7-methyl-	15.34	6.7	ug/l	121622	4	13.57	903783	50.0
unknown15.57	15.57	7.0	ug/l	126410	4	13.57	903783	50.0