LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011421\
Data File : VY003922.D
Acq On : 14 Jan 2021 16:28
Operator : SY/MD
Sample : M1125-05
Misc : 3.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VNJ-215

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_Y\methods\82Y011221S.M
Title : SW846 8260

Signal : TIC: VY003922.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.229	60	67	68	rBV	24987	37796	2.97%	0.307%
2	2.253	68	71	78	rVB	22149	34927	2.75%	0.284%
3	2.393	89	94	100	rVB	8033	13341	1.05%	0.108%
4	2.912	171	179	191	rVB	31968	71060	5.59%	0.577%
5	3.259	229	236	248	rVB3	23235	56432	4.44%	0.458%
6	3.393	248	258	283	rBV	86801	336833	26.48%	2.736%
7	3.954	340	350	364	rVV	37504	106812	8.40%	0.868%
8	4.424	420	427	438	rBV3	4763	15037	1.18%	0.122%
9	4.728	463	477	498	rBV6	25727	103756	8.16%	0.843%
10	4.960	504	515	530	rVB2	17162	63310	4.98%	0.514%
11	5.753	636	645	656	rBV3	10266	30088	2.37%	0.244%
12	6.210	709	720	748	rBV2	114871	426565	33.54%	3.465%
13	6.801	809	817	824	rBV5	5504	14995	1.18%	0.122%
14	6.990	841	848	857	rBV2	11280	31413	2.47%	0.255%
15	7.722	958	968	974	rBV	173389	427215	33.59%	3.470%
16	7.795	974	980	989	rVB	273750	614778	48.33%	4.993%
17	8.148	1026	1038	1049	rBV	182771	423200	33.27%	3.437%
18	8.325	1061	1067	1075	rVB	9899	24458	1.92%	0.199%
19	8.545	1094	1103	1110	rBV2	14115	32570	2.56%	0.265%
20	8.691	1117	1127	1138	rBV	475086	919127	72.26%	7.465%
21	9.136	1194	1200	1204	rBV	13294	25386	2.00%	0.206%
22	9.520	1258	1263	1272	rVB2	6349	13109	1.03%	0.106%
23	9.752	1292	1301	1307	rBV3	5967	15084	1.19%	0.123%
24	10.179	1364	1371	1378	rBV	748099	1271969	100.00%	10.331%
25	10.240	1378	1381	1386	rVB	26339	41553	3.27%	0.338%
26	10.368	1396	1402	1408	rVB	21237	36834	2.90%	0.299%
27	10.721	1451	1460	1468	rVB2	10059	22383	1.76%	0.182%
28	10.831	1468	1478	1483	rBV2	7720	16626	1.31%	0.135%
29	11.489	1576	1586	1592	rBV	654237	1053039	82.79%	8.553%
30	11.587	1597	1602	1609	rVB4	11922	23246	1.83%	0.189%
31	11.697	1613	1620	1630	rBV2	31961	65991	5.19%	0.536%
32	12.026	1669	1674	1680	rBV2	15601	29523	2.32%	0.240%
33	12.099	1682	1686	1694	rVV3	7367	15172	1.19%	0.123%
34	12.233	1704	1708	1714	rVB7	6446	13136	1.03%	0.107%
35	12.331	1717	1724	1730	rBV2	65943	110319	8.67%	0.896%
36	12.477	1741	1748	1758	rVB	505631	792920	62.34%	6.440%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011421\
Data File : VY003922.D
Acq On : 14 Jan 2021 16:28
Operator : SY/MD
Sample : M1125-05
Misc : 3.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VNJ-215

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_Y\methods\82Y011221S.M
Title : SW846 8260

37	12.581	1760	1765	1769	rBV2	15358	26399	2.08%	0.214%
38	12.733	1785	1790	1793	rBV	19127	31974	2.51%	0.260%
39	12.806	1798	1802	1811	rVV2	39635	65052	5.11%	0.528%
40	12.971	1824	1829	1836	rVB3	6635	13424	1.06%	0.109%
41	13.129	1848	1855	1864	rBV2	195091	327390	25.74%	2.659%
42	13.337	1884	1889	1891	rBV2	70915	111476	8.76%	0.905%
43	13.367	1891	1894	1898	rVV	130019	184051	14.47%	1.495%
44	13.422	1898	1903	1909	rVV	578011	873372	68.66%	7.094%
45	13.483	1909	1913	1918	rVV	77873	126062	9.91%	1.024%
46	13.526	1918	1920	1927	rVB2	15389	23007	1.81%	0.187%
47	13.623	1932	1936	1939	rVV2	15396	21574	1.70%	0.175%
48	13.660	1939	1942	1950	rVB3	13224	24050	1.89%	0.195%
49	13.745	1951	1956	1962	rBV4	35651	63490	4.99%	0.516%
50	13.910	1981	1983	1987	rVB2	14714	16405	1.29%	0.133%
51	13.965	1988	1992	1999	rVB3	18317	28746	2.26%	0.233%
52	14.074	2005	2010	2014	rBV6	21126	36765	2.89%	0.299%
53	14.129	2014	2019	2026	rBV8	16617	43935	3.45%	0.357%
54	14.208	2027	2032	2035	rBV5	17734	33386	2.62%	0.271%
55	14.257	2035	2040	2041	rVV2	35221	51439	4.04%	0.418%
56	14.288	2042	2045	2049	rVV2	53926	98862	7.77%	0.803%
57	14.330	2049	2052	2056	rVV	43898	56143	4.41%	0.456%
58	14.385	2056	2061	2063	rVV3	29338	45762	3.60%	0.372%
59	14.416	2063	2066	2070	rVV3	41120	61764	4.86%	0.502%
60	14.471	2071	2075	2079	rVB6	18936	36624	2.88%	0.297%
61	14.525	2080	2084	2087	rVV6	11534	19581	1.54%	0.159%
62	14.611	2095	2098	2102	rVB4	23221	29811	2.34%	0.242%
63	14.672	2103	2108	2114	rBV3	54455	129535	10.18%	1.052%
64	14.733	2114	2118	2123	rVB4	43938	68814	5.41%	0.559%
65	14.788	2123	2127	2132	rBV6	26522	55878	4.39%	0.454%
66	14.873	2133	2141	2145	rBV4	51872	112568	8.85%	0.914%
67	14.940	2148	2152	2157	rBV3	81731	110764	8.71%	0.900%
68	15.007	2159	2163	2164	rBV3	21072	30006	2.36%	0.244%
69	15.092	2173	2177	2183	rBV2	243393	389733	30.64%	3.166%
70	15.233	2194	2200	2204	rBV	240994	417995	32.86%	3.395%
71	15.440	2230	2234	2238	rBV6	36024	74858	5.89%	0.608%
72	16.470	2399	2403	2418	rVB6	267767	753677	59.25%	6.122%
73	16.598	2420	2424	2438	rVB6	115656	387349	30.45%	3.146%

Sum of corrected areas: 12311724

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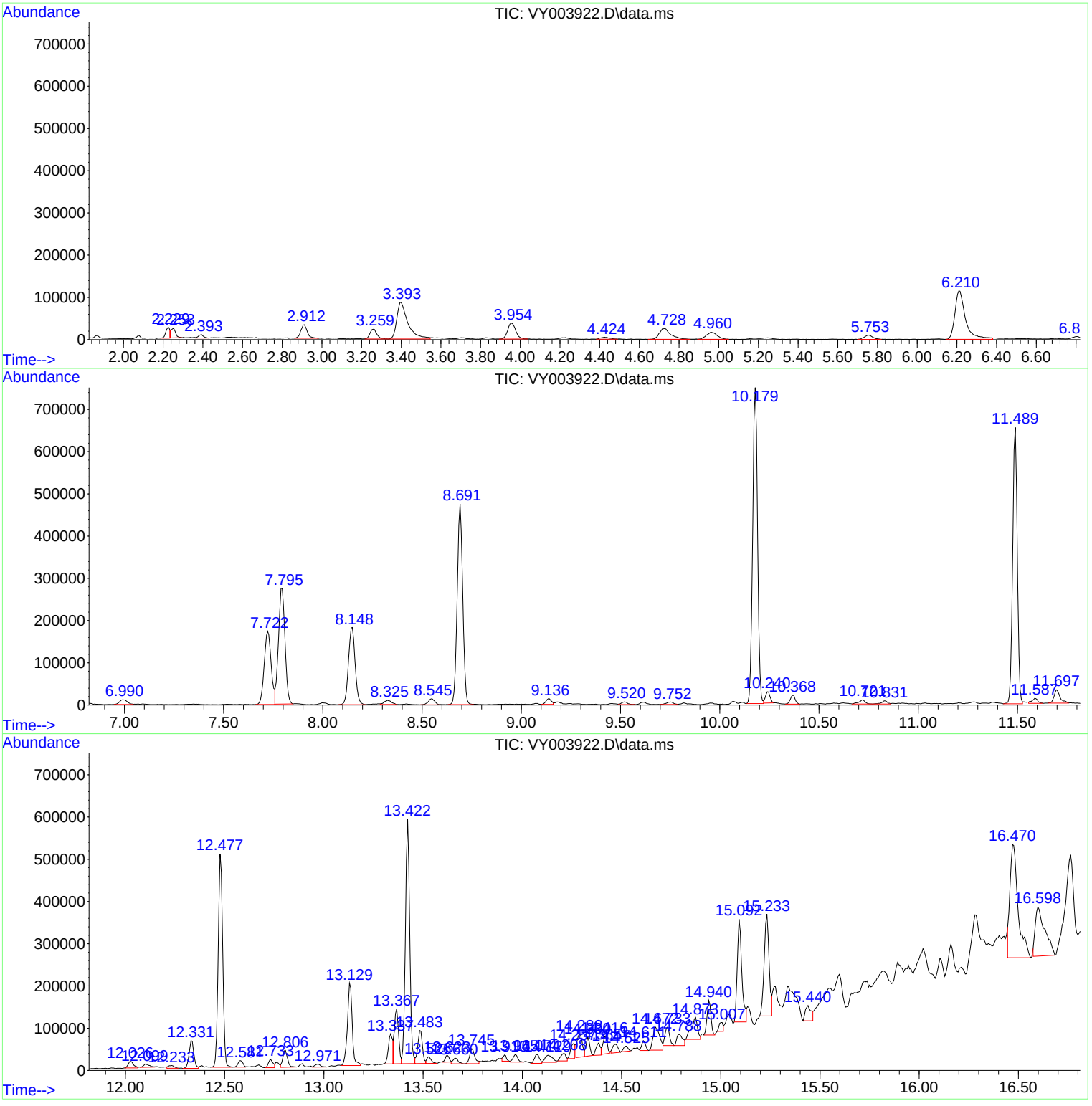
Acq On : 14 Jan 2021 16:28
Operator : SY/MD
Sample : M1125-05
Misc : 3.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-215

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
Quant Title : SW846 8260

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



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Data File : VY003922.D
Acq On : 14 Jan 2021 16:28
Operator : SY/MD
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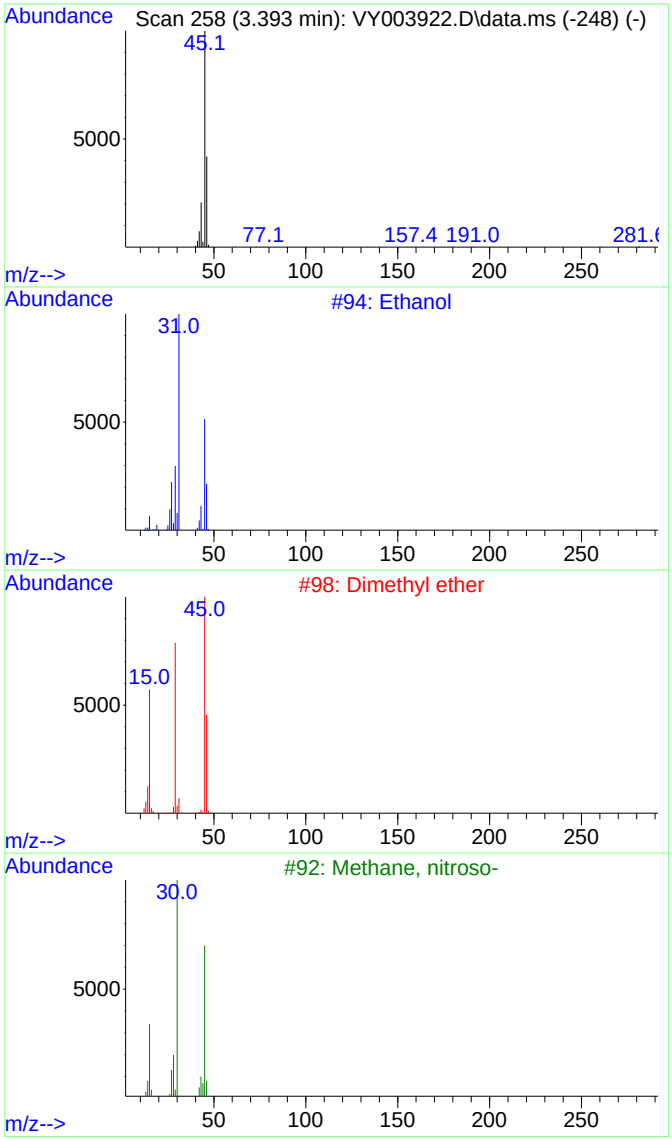
Quant Title : SW846 8260

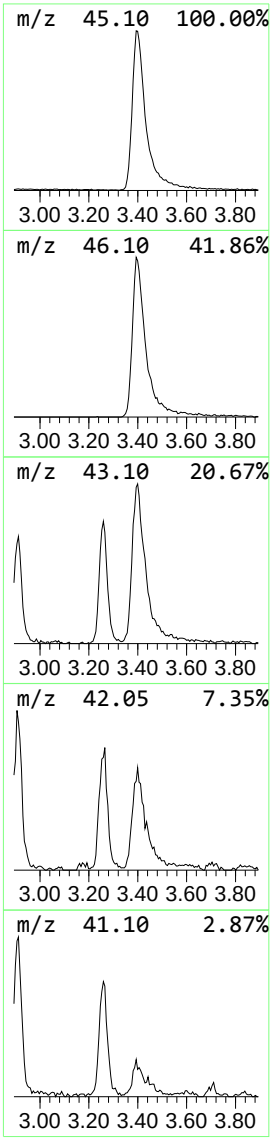
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Ethanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.393	27.39 ug/l	336833	Pentafluorobenzene	7.795

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	64
2	Dimethyl ether	46	C2H6O	000115-10-6	9
3	Methane, nitroso-	45	CH3NO	000865-40-7	4
4	Formic acid	46	CH2O2	000064-18-6	4
5	Oxalic acid	90	C2H2O4	000144-62-7	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011421\
Data File : VY003922.D
Acq On : 14 Jan 2021 16:28
Operator : SY/MD
Sample : M1125-05
Misc : 3.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-215

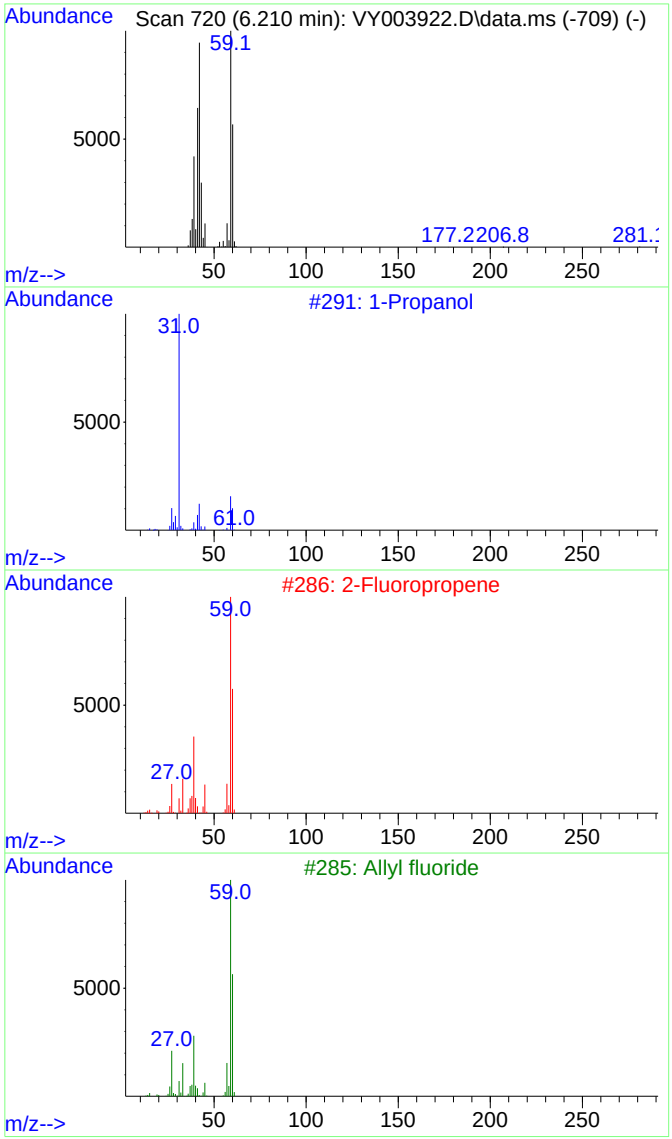
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
Quant Title : SW846 8260

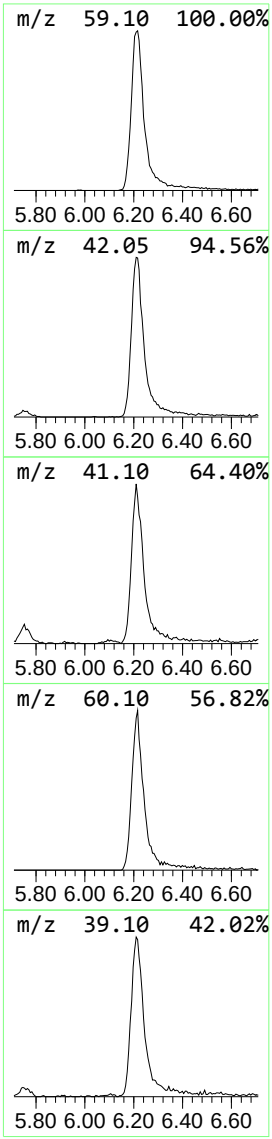
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1-Propanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.210	34.69 ug/l	426565	Pentafluorobenzene	7.795

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol	60	C3H8O	000071-23-8	64
2	2-Fluoropropene	60	C3H5F	001184-60-7	52
3	Allyl fluoride	60	C3H5F	000818-92-8	38
4	Oxirane, tetramethyl-	100	C6H12O	005076-20-0	23
5	3-Buten-1-ol	72	C4H8O	000627-27-0	23





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011421\
Data File : VY003922.D
Acq On : 14 Jan 2021 16:28
Operator : SY/MD
Sample : M1125-05
Misc : 3.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VNJ-215

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
Quant Title : SW846 8260

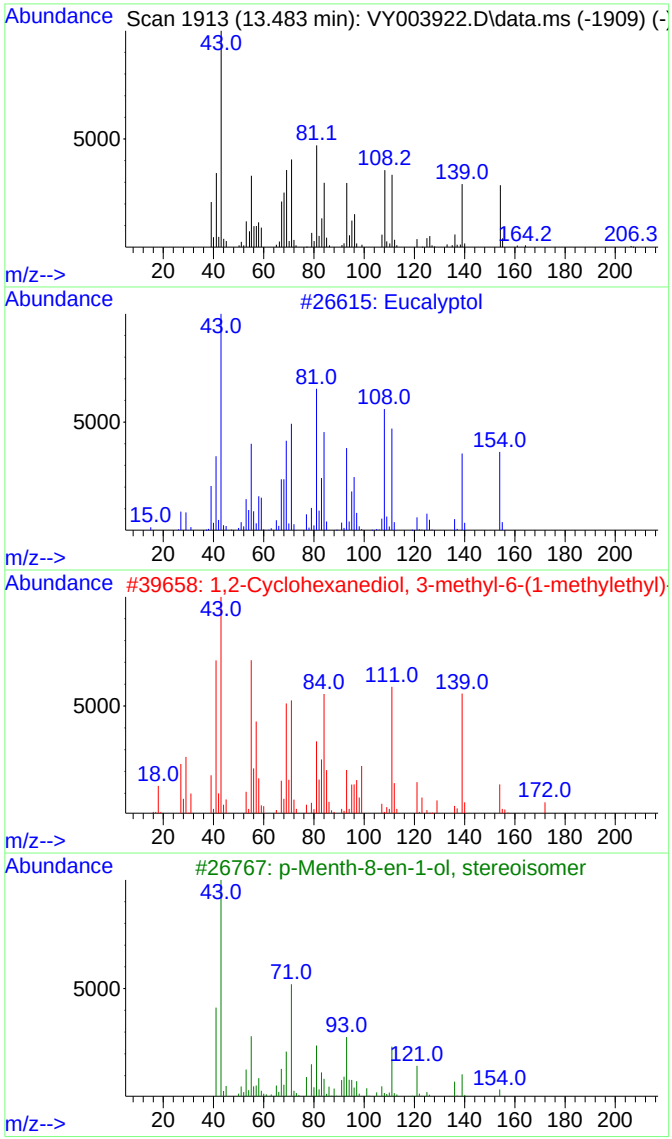
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

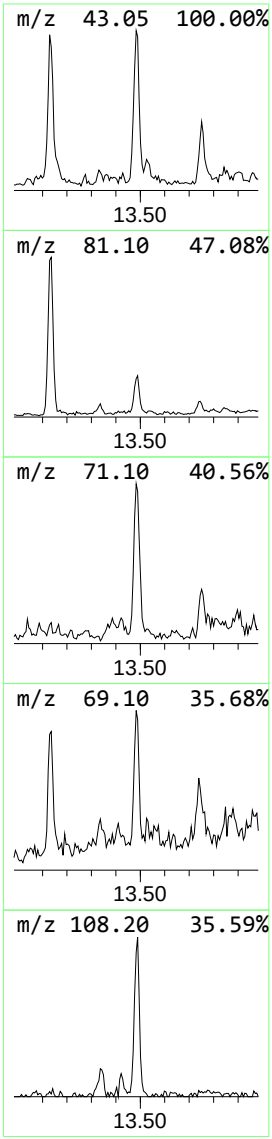
****

Peak Number 4 Eucalyptol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.483	7.22 ug/l	126062	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	96
2	1,2-Cyclohexanediol, 3-methyl-6-...	172	C10H20O2	042962-93-6	40
3	p-Menth-8-en-1-ol, stereoisomer	154	C10H18O	007299-40-3	38
4	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	35
5	Acetic acid, 10,11-dihydroxy-3,7...	298	C17H30O4	1000194-28-5	25





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Data File : VY003922.D
Acq On : 14 Jan 2021 16:28
Operator : SY/MD
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-215

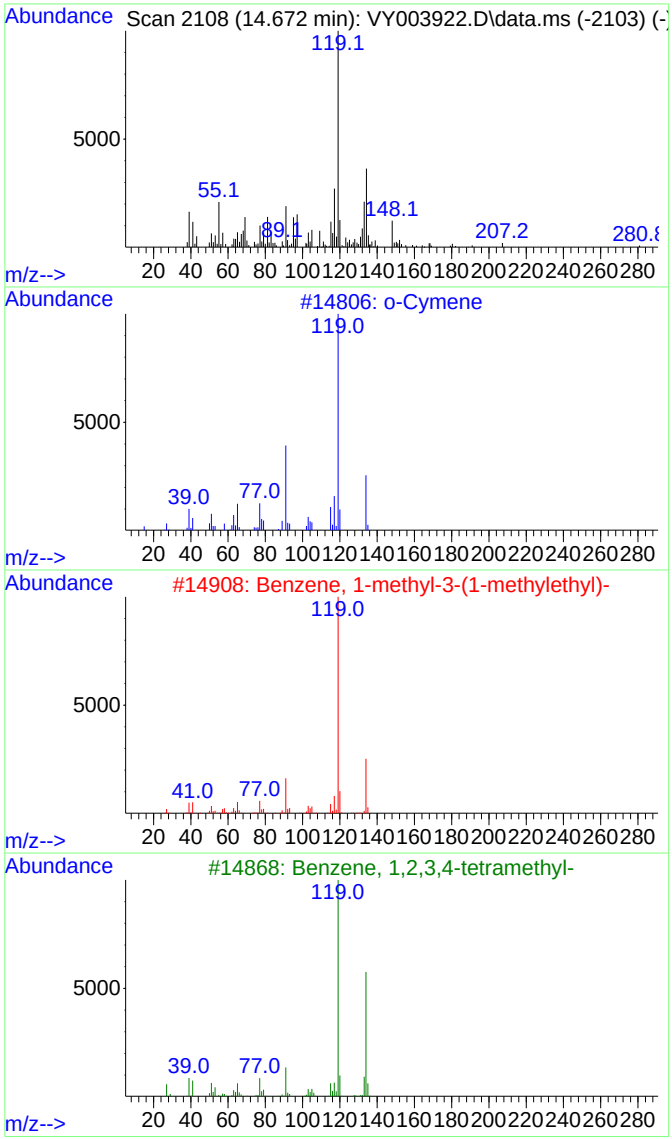
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
Quant Title : SW846 8260

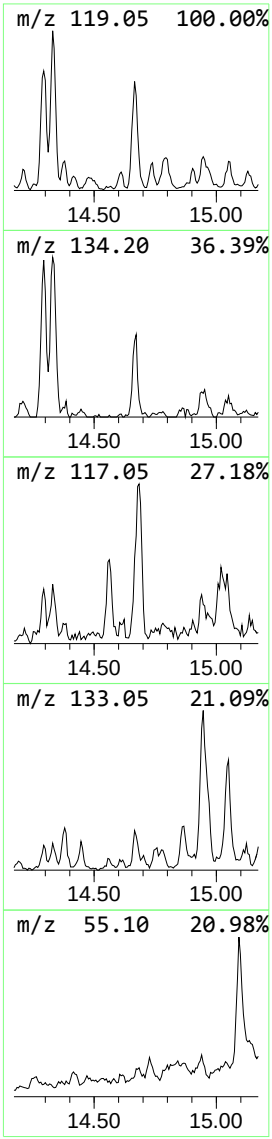
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.672	7.42 ug/l	129535	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	60
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	60
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	58
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	53





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Operator : SY/MD
Sample : M1125-05
Misc : 3.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-215

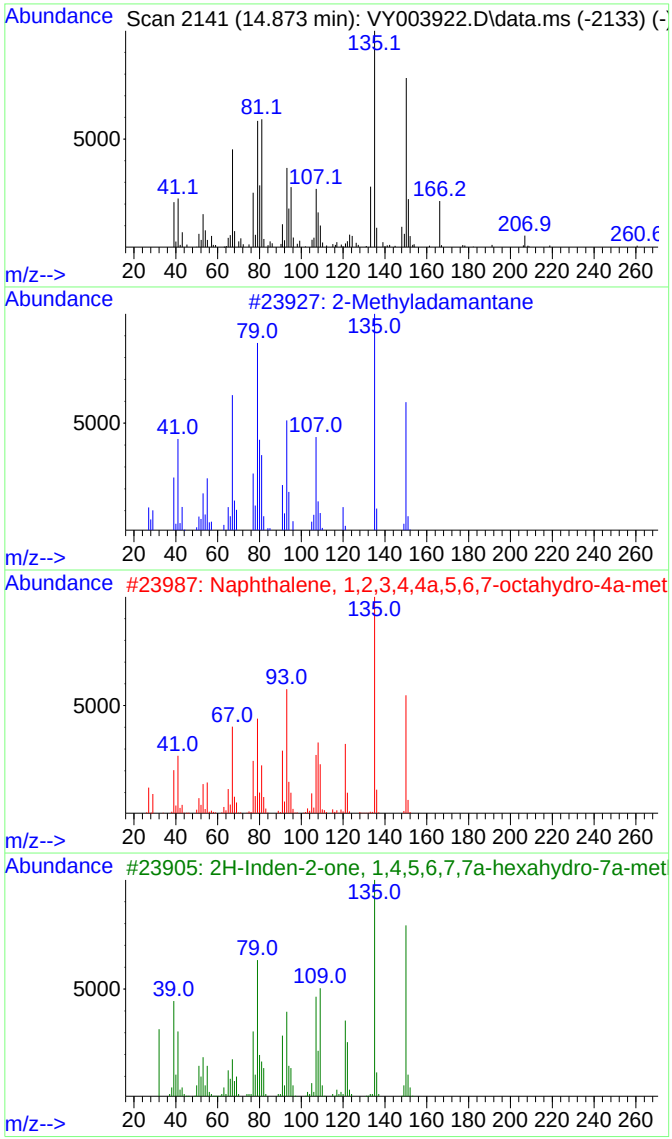
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
Quant Title : SW846 8260

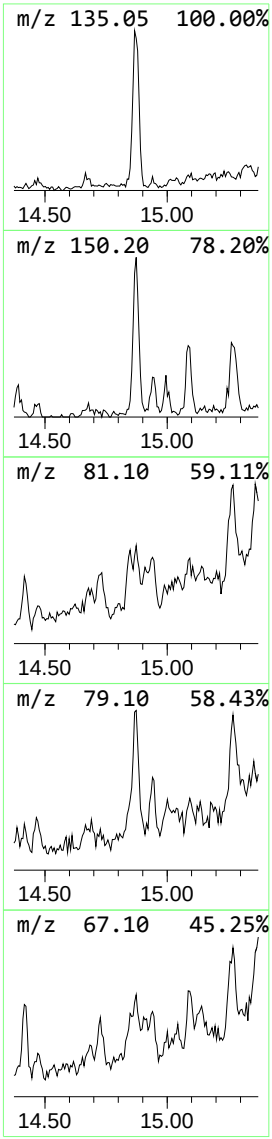
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 2-Methyladamantane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.873	6.44 ug/l	112568	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyladamantane	150	C11H18	000700-56-1	90
2	Naphthalene, 1,2,3,4,4a,5,6,7-oc...	150	C11H18	013943-77-6	68
3	2H-Inden-2-one, 1,4,5,6,7,7a-hex...	150	C10H14O	054725-16-5	49
4	Ethanone, 1-(2-hydroxy-5-methylp...	150	C9H10O2	001450-72-2	45
5	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011421\
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Acq On : 14 Jan 2021 16:28
Operator : SY/MD
Sample : M1125-05
Misc : 3.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-215

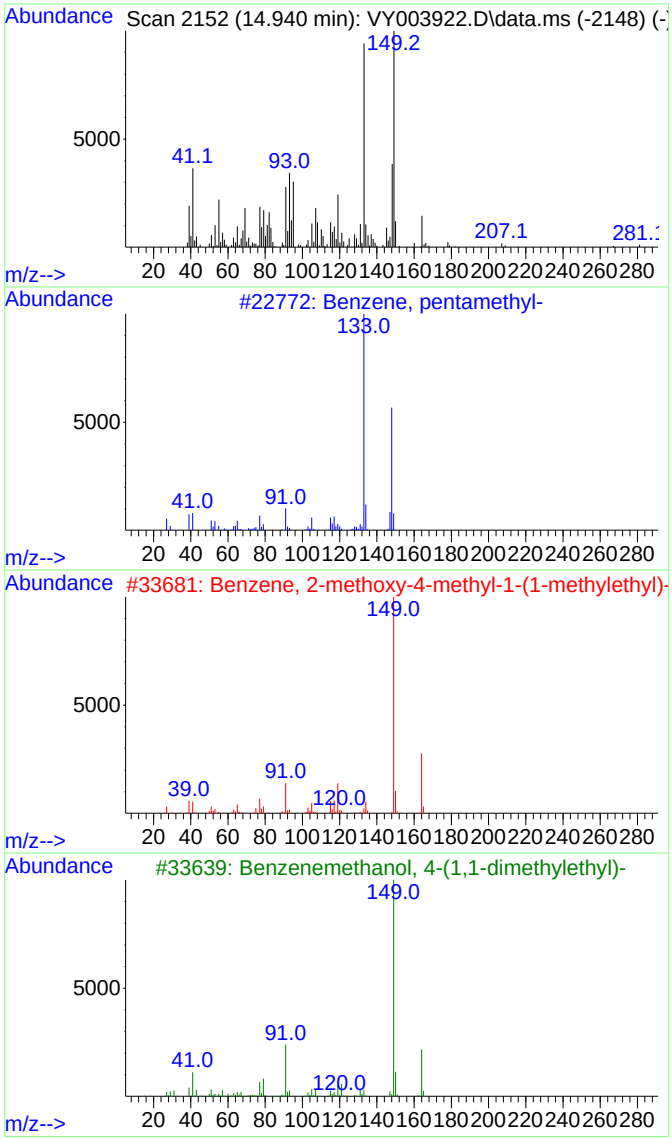
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
Quant Title : SW846 8260

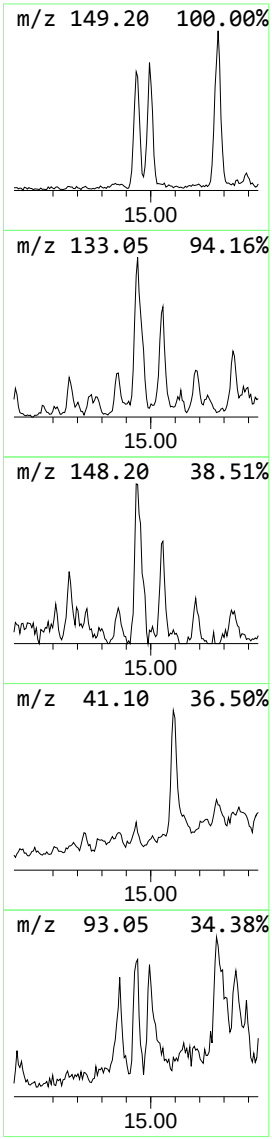
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, pentamethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.940	6.34 ug/l	110764	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	50
2	Benzene, 2-methoxy-4-methyl-1-(1...	164	C11H16O	001076-56-8	46
3	Benzenemethanol, 4-(1,1-dimethyl...	164	C11H16O	000877-65-6	46
4	Benzene, 1-methoxy-4-methyl-2-(1...	164	C11H16O	031574-44-4	46
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011421\
Data File : VY003922.D
Acq On : 14 Jan 2021 16:28
Operator : SY/MD
Sample : M1125-05
Misc : 3.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-215

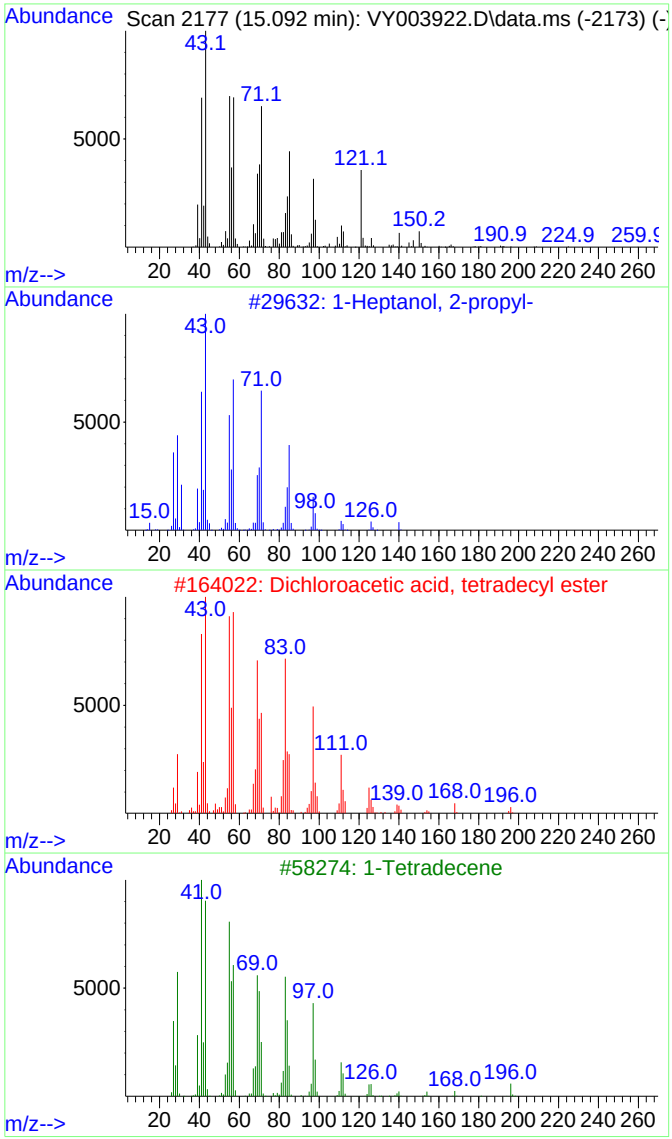
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
Quant Title : SW846 8260

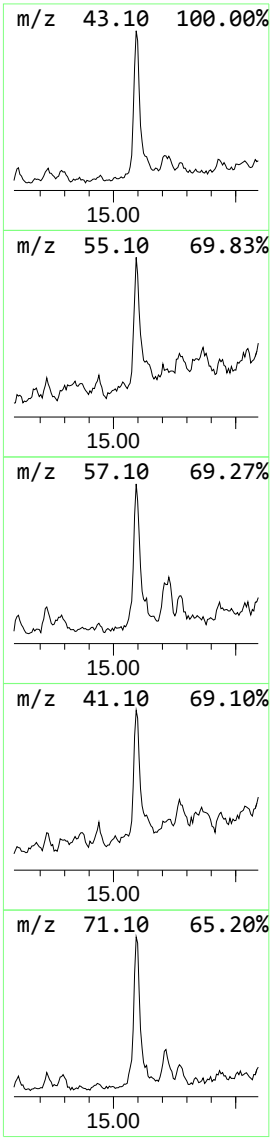
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1-Heptanol, 2-propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.092	22.31 ug/l	389733	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptanol, 2-propyl-	158	C10H22O	010042-59-8	72
2	Dichloroacetic acid, tetradecyl ...	324	C16H30Cl2O2	083005-02-1	58
3	1-Tetradecene	196	C14H28	001120-36-1	58
4	1-Hexanol, 5-methyl-2-(1-methyle...	158	C10H22O	002051-33-4	58
5	1-Pentadecene	210	C15H30	013360-61-7	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011421\
Data File : VY003922.D
Acq On : 14 Jan 2021 16:28
Operator : SY/MD
Sample : M1125-05
Misc : 3.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-215

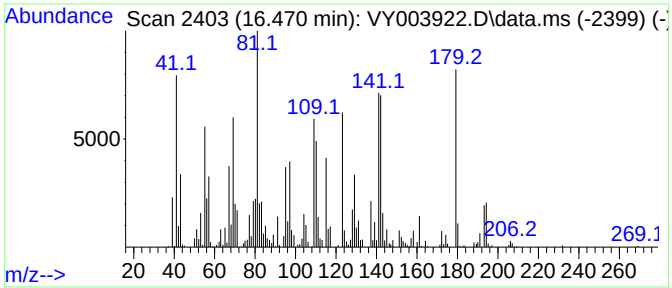
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
Quant Title : SW846 8260

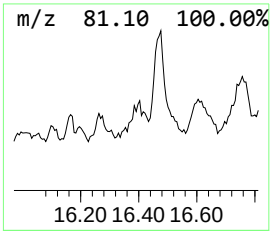
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

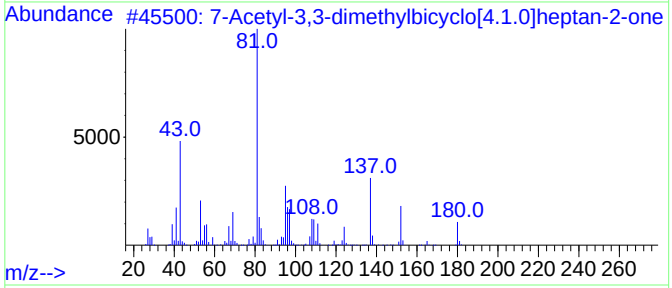
****
Peak Number 9 unknown16.470 Concentration Rank 1

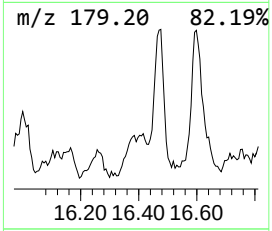
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.470	43.15 ug/l	753677	1,4-Dichlorobenzene-d4	13.422

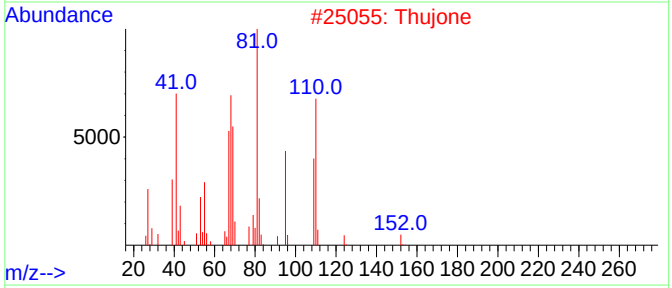
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Acetyl-3,3-dimethylbicyclo[4.1...	180	C11H16O2	1000185-00-8	25
2	Thujone	152	C10H16O	000546-80-5	20
3	Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	14
4	2-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	000432-24-6	14
5	Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	11

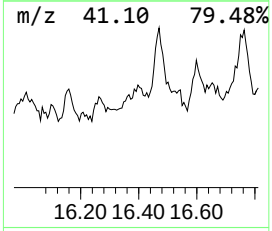


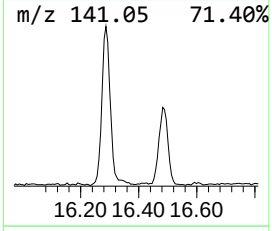


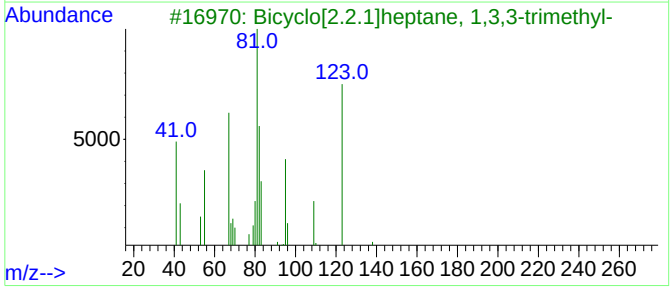


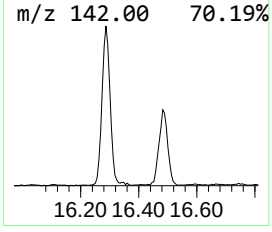












Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011421\
Data File : VY003922.D
Acq On : 14 Jan 2021 16:28
Operator : SY/MD
Sample : M1125-05
Misc : 3.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VNJ-215

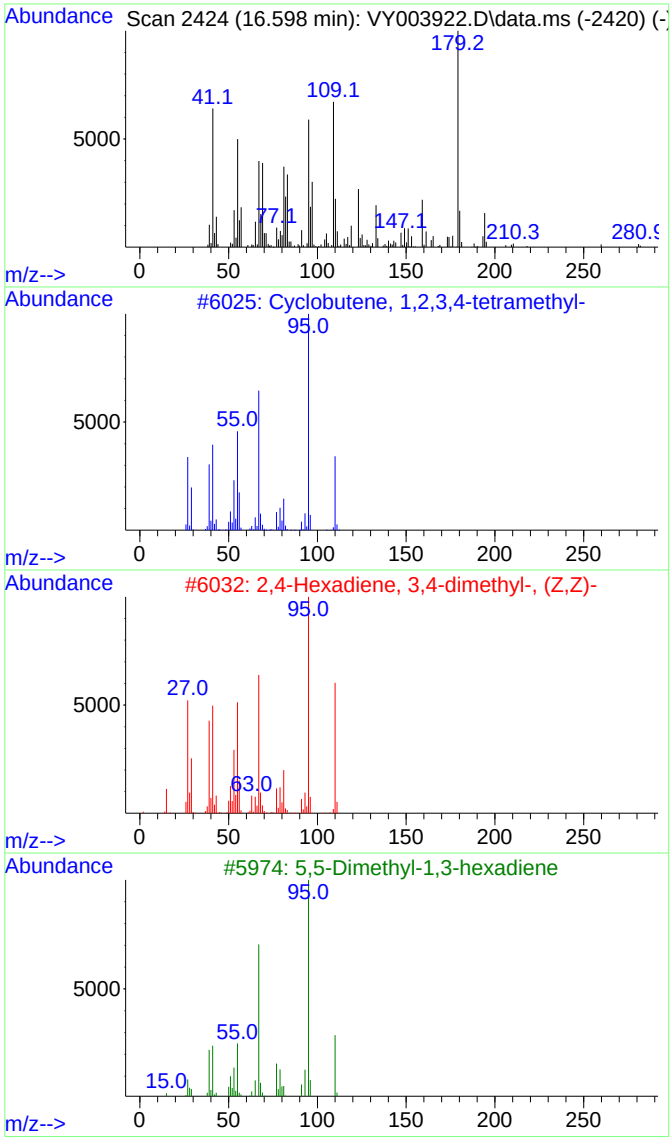
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
Quant Title : SW846 8260

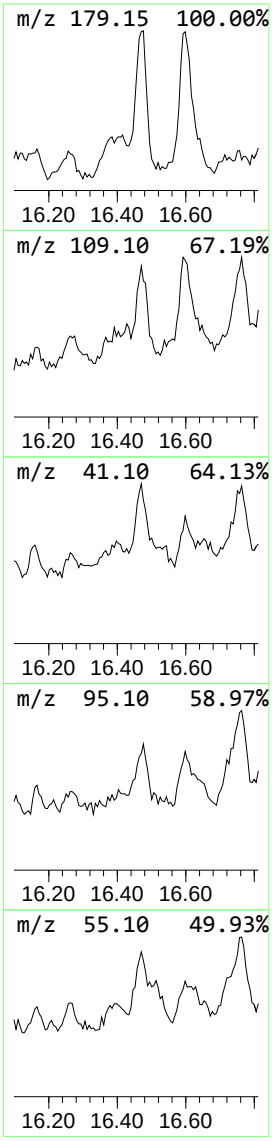
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 unknown16.598 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.598	22.18 ug/l	387349	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutene, 1,2,3,4-tetramethyl-	110	C8H14	090346-45-5	20
2	2,4-Hexadiene, 3,4-dimethyl-, (Z...	110	C8H14	021293-01-6	18
3	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	18
4	1,3-Dioxolane, 2-(4-methoxypheny...	194	C11H14O3	036881-00-2	18
5	trans,trans-1,7-Dimethylspiro[4....	166	C12H22	1000111-72-6	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011421\
Data File : VY003922.D
Acq On : 14 Jan 2021 16:28
Operator : SY/MD
Sample : M1125-05
Misc : 3.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VNJ-215

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.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
Ethanol	3.393	27.4	ug/l	336833	1	7.795	614778	50.0
1-Propanol	6.210	34.7	ug/l	426565	1	7.795	614778	50.0
Eucalyptol	13.483	7.2	ug/l	126062	4	13.422	873372	50.0
o-Cymene	14.672	7.4	ug/l	129535	4	13.422	873372	50.0
2-Methyladamantane	14.873	6.4	ug/l	112568	4	13.422	873372	50.0
Benzene, pentam...	14.940	6.3	ug/l	110764	4	13.422	873372	50.0
1-Heptanol, 2-p...	15.092	22.3	ug/l	389733	4	13.422	873372	50.0
unknown16.470	16.470	43.1	ug/l	753677	4	13.422	873372	50.0
unknown16.598	16.598	22.2	ug/l	387349	4	13.422	873372	50.0