LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW113018\
Data File : VW007147.D
Acq On : 30 Nov 2018 17:00
Operator : SY/AP
Sample : J6002-06
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2E81

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\SOM2WLM113018S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.001	12	16	25	rVB	36706	59588	5.71%	0.446%
2	2.160	38	42	47	rVV	11958	17076	1.64%	0.128%
3	2.221	48	52	58	rVB	30903	45501	4.36%	0.341%
4	2.355	68	74	85	rVB2	71328	124221	11.90%	0.931%
5	2.764	135	141	154	rVB	21844	44108	4.23%	0.331%
6	2.879	154	160	164	rBV	20737	41769	4.00%	0.313%
7	3.263	212	223	236	rVB	34907	80246	7.69%	0.601%
8	3.385	240	243	248	rVV4	376	785	0.08%	0.006%
9	3.544	265	269	273	rBV3	381	716	0.07%	0.005%
10	3.873	316	323	328	rBV4	606	1319	0.13%	0.010%
11	4.044	335	351	367	rBV6	104770	482178	46.20%	3.613%
12	4.391	402	408	410	rBV4	865	1927	0.18%	0.014%
13	4.678	443	455	467	rBV	12208	36227	3.47%	0.271%
14	4.922	483	495	514	rVB2	53524	173491	16.62%	1.300%
15	5.129	525	529	530	rBV2	230	341	0.03%	0.003%
16	5.434	563	579	599	rVV	104232	364992	34.97%	2.735%
17	5.946	652	663	671	rBV4	3627	10459	1.00%	0.078%
18	6.458	740	747	754	rBV4	2193	5522	0.53%	0.041%
19	7.080	839	849	854	rBV	16234	44189	4.23%	0.331%
20	7.665	932	945	957	rBV4	98318	345434	33.10%	2.588%
21	7.757	959	960	961	rVV	539	359	0.03%	0.003%
22	7.775	961	963	967	rVB3	914	952	0.09%	0.007%
23	7.854	973	976	978	rBV3	300	374	0.04%	0.003%
24	7.958	982	993	1004	rVB	111130	276627	26.50%	2.073%
25	8.275	1033	1045	1048	rBV2	175247	413871	39.65%	3.101%
26	8.323	1049	1053	1065	rVB	317320	701334	67.20%	5.255%
27	8.628	1100	1103	1106	rBV2	215	292	0.03%	0.002%
28	8.842	1129	1138	1147	rBV	158234	317013	30.37%	2.375%
29	9.092	1170	1179	1193	rVV	288172	567959	54.42%	4.256%
30	9.275	1201	1209	1226	rBV	98604	200976	19.26%	1.506%
31	9.445	1230	1237	1246	rVV	8171	17309	1.66%	0.130%
32	9.592	1256	1261	1263	rBV3	240	366	0.04%	0.003%
33	9.762	1282	1289	1295	rVV2	4269	8318	0.80%	0.062%
34	9.896	1305	1311	1317	rVB	11537	22862	2.19%	0.171%

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Instrument : MSVOA_W
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Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Title : VOC Analysis

35	9.951	1317	1320	1322	rBV2	235	326	0.03%	0.002%
36	9.970	1322	1323	1325	rVV	326	283	0.03%	0.002%
37	9.988	1325	1326	1327	rVV	559	362	0.03%	0.003%
38	10.037	1327	1334	1337	rVV	63147	123561	11.84%	0.926%
39	10.067	1337	1339	1349	rVB	74932	120915	11.59%	0.906%
40	10.220	1357	1364	1365	rBV3	1167	1984	0.19%	0.015%
41	10.250	1365	1369	1374	rVV2	6163	10384	0.99%	0.078%
42	10.329	1374	1382	1386	rVV	243730	442393	42.39%	3.315%
43	10.390	1386	1392	1403	rVB	596991	1043712	100.00%	7.821%
44	10.579	1417	1423	1434	rVB	40715	69801	6.69%	0.523%
45	10.707	1436	1444	1450	rBV	32477	60682	5.81%	0.455%
46	10.786	1451	1457	1463	rVV	89867	161575	15.48%	1.211%
47	10.866	1463	1470	1475	rVV	77419	136660	13.09%	1.024%
48	10.927	1475	1480	1488	rVV	69803	115850	11.10%	0.868%
49	11.000	1490	1492	1494	rVB	326	256	0.02%	0.002%
50	11.067	1497	1503	1509	rBV	17653	28301	2.71%	0.212%
51	11.183	1516	1522	1526	rBV5	2424	3831	0.37%	0.029%
52	11.341	1542	1548	1550	rBV3	412	538	0.05%	0.004%
53	11.445	1554	1565	1571	rBV2	19633	34840	3.34%	0.261%
54	11.634	1588	1596	1606	rVV2	253012	626562	60.03%	4.695%
55	11.731	1606	1612	1620	rVV	348379	572824	54.88%	4.292%
56	11.847	1624	1631	1643	rVB	435455	696807	66.76%	5.221%
57	11.933	1643	1645	1650	rBV3	285	554	0.05%	0.004%
58	12.073	1665	1668	1675	rVB2	182	405	0.04%	0.003%
59	12.170	1677	1684	1693	rBV3	406978	764913	73.29%	5.732%
60	12.353	1708	1714	1722	rVB	24424	41842	4.01%	0.314%
61	12.469	1726	1733	1741	rVB	320929	498705	47.78%	3.737%
62	12.615	1750	1757	1763	rBV	32777	54981	5.27%	0.412%
63	12.695	1763	1770	1775	rVV2	98532	219878	21.07%	1.648%
64	12.750	1775	1779	1787	rVV	212372	347780	33.32%	2.606%
65	12.810	1787	1789	1792	rVB2	390	296	0.03%	0.002%
66	12.939	1806	1810	1817	rVB3	4199	6786	0.65%	0.051%
67	13.042	1821	1827	1831	rBV3	1112	1564	0.15%	0.012%
68	13.109	1831	1838	1842	rVB4	1541	3103	0.30%	0.023%
69	13.176	1847	1849	1850	rBV2	373	247	0.02%	0.002%
70	13.201	1850	1853	1855	rBV2	854	1009	0.10%	0.008%
71	13.256	1855	1862	1868	rBV	398765	598156	57.31%	4.482%

LSC Area Percent Report

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Operator : SY/AP
Sample : J6002-06
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2E81

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\SOM2WLM113018S.M
Title : VOC Analysis

72	13.365	1876	1880	1881	rBV3	451	475	0.05%	0.004%
73	13.414	1883	1888	1892	rVV4	2056	3434	0.33%	0.026%
74	13.505	1894	1903	1907	rVV	220718	372625	35.70%	2.792%
75	13.566	1907	1913	1927	rVB3	283239	613499	58.78%	4.597%
76	13.737	1935	1941	1942	rBV3	135	255	0.02%	0.002%
77	13.774	1942	1947	1950	rBV4	1816	3172	0.30%	0.024%
78	13.804	1950	1952	1954	rVB2	760	635	0.06%	0.005%
79	13.859	1954	1961	1968	rBV	241878	401415	38.46%	3.008%
80	13.957	1975	1977	1982	rVB4	942	1224	0.12%	0.009%
81	14.030	1982	1989	1991	rBV2	612	902	0.09%	0.007%
82	14.079	1991	1997	2003	rVB	10869	17741	1.70%	0.133%
83	14.322	2030	2037	2039	rVV3	651	1240	0.12%	0.009%
84	14.371	2042	2045	2047	rVV2	514	681	0.07%	0.005%
85	14.572	2077	2078	2081	rBV2	236	238	0.02%	0.002%
86	14.639	2084	2089	2092	rBV3	1721	2549	0.24%	0.019%
87	14.737	2101	2105	2109	rBV4	934	1161	0.11%	0.009%
88	15.139	2164	2171	2178	rVV	182475	301006	28.84%	2.255%
89	15.377	2201	2210	2215	rBV3	1621	3250	0.31%	0.024%
90	15.444	2217	2221	2226	rVV2	2151	3605	0.35%	0.027%
91	15.505	2226	2231	2233	rVV	1948	3056	0.29%	0.023%
92	15.566	2233	2241	2249	rVV	216337	409706	39.25%	3.070%
93	15.682	2257	2260	2263	rVV3	200	268	0.03%	0.002%
94	15.816	2279	2282	2283	rVB2	508	448	0.04%	0.003%
95	15.859	2287	2289	2292	rVV4	337	349	0.03%	0.003%
96	16.054	2319	2321	2324	rBV2	242	244	0.02%	0.002%
97	16.121	2331	2332	2336	rVB2	265	280	0.03%	0.002%
98	16.243	2351	2352	2355	rBV2	352	259	0.02%	0.002%
99	16.298	2358	2361	2362	rBV3	226	255	0.02%	0.002%
100	16.493	2390	2393	2395	rBV	247	290	0.03%	0.002%

Sum of corrected areas: 13345629

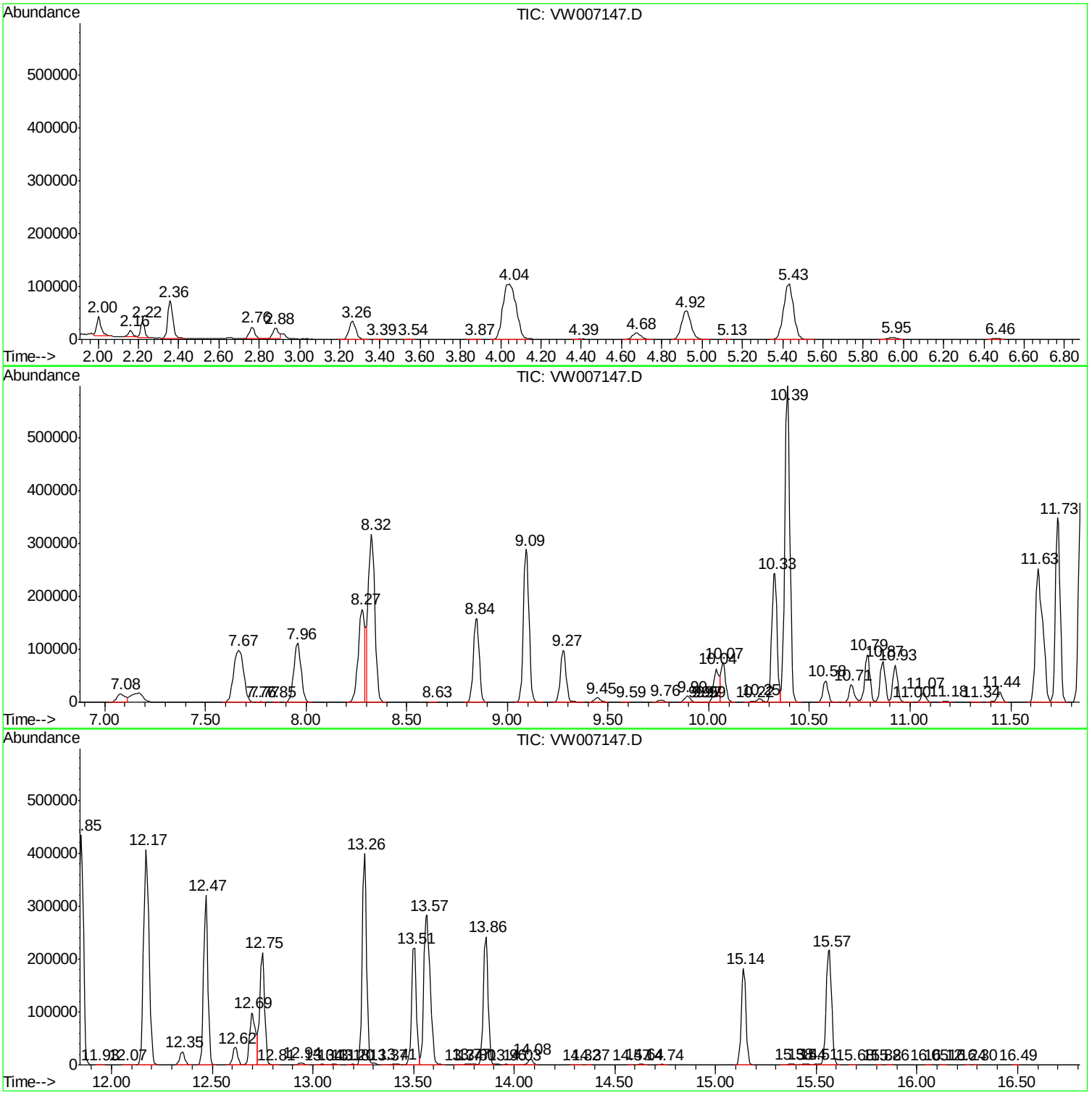
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW113018\
Data File : VW007147.D
Acq On : 30 Nov 2018 17:00
Operator : SY/AP
Sample : J6002-06
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
X2E81

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW113018\
Data File : VW007147.D
Acq On : 30 Nov 2018 17:00
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2E81

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

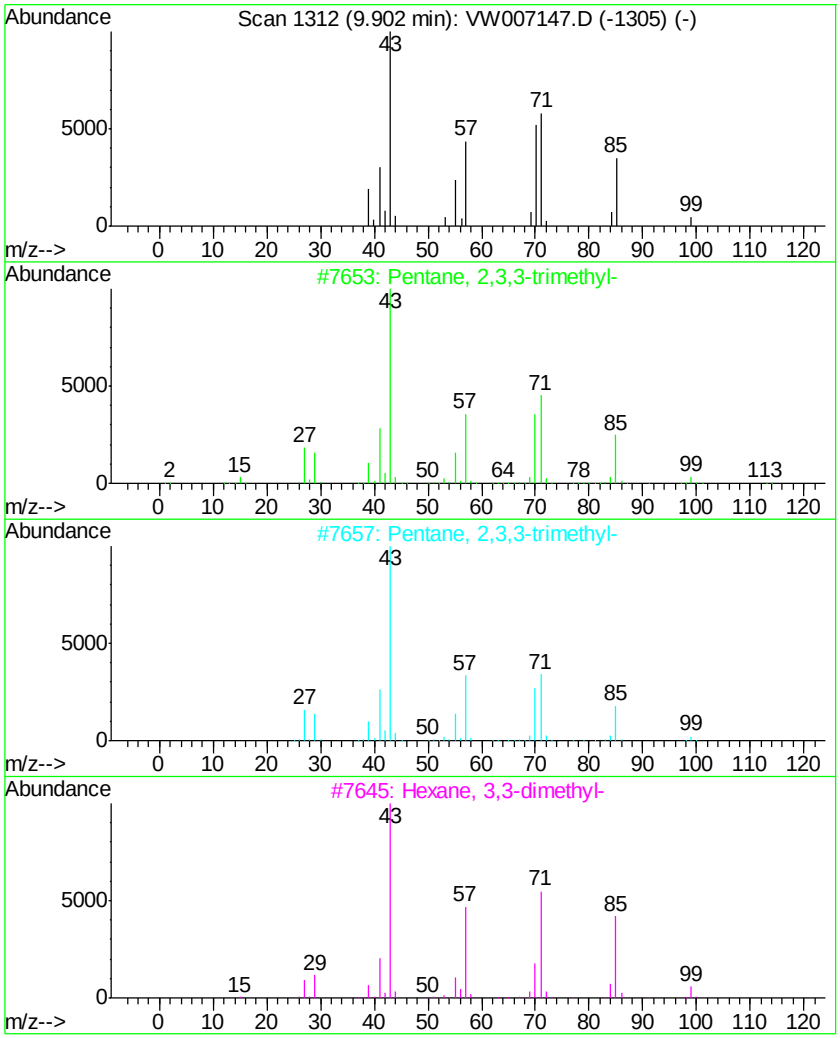
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

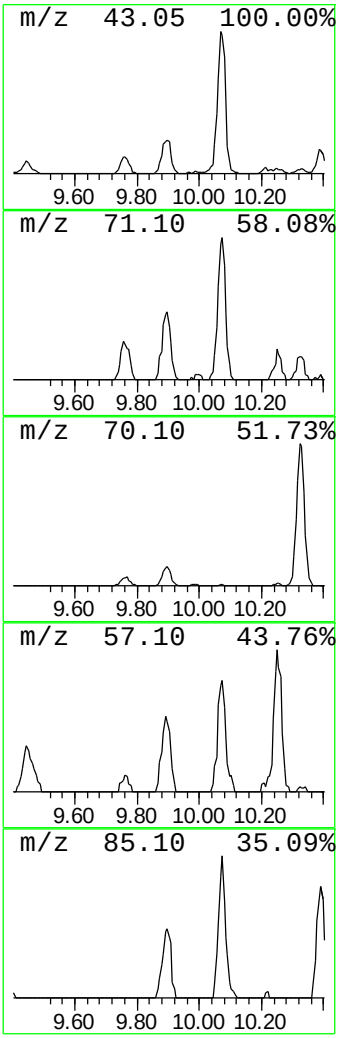
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	1.80 ug/L	22862	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
5	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	59





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2E81

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

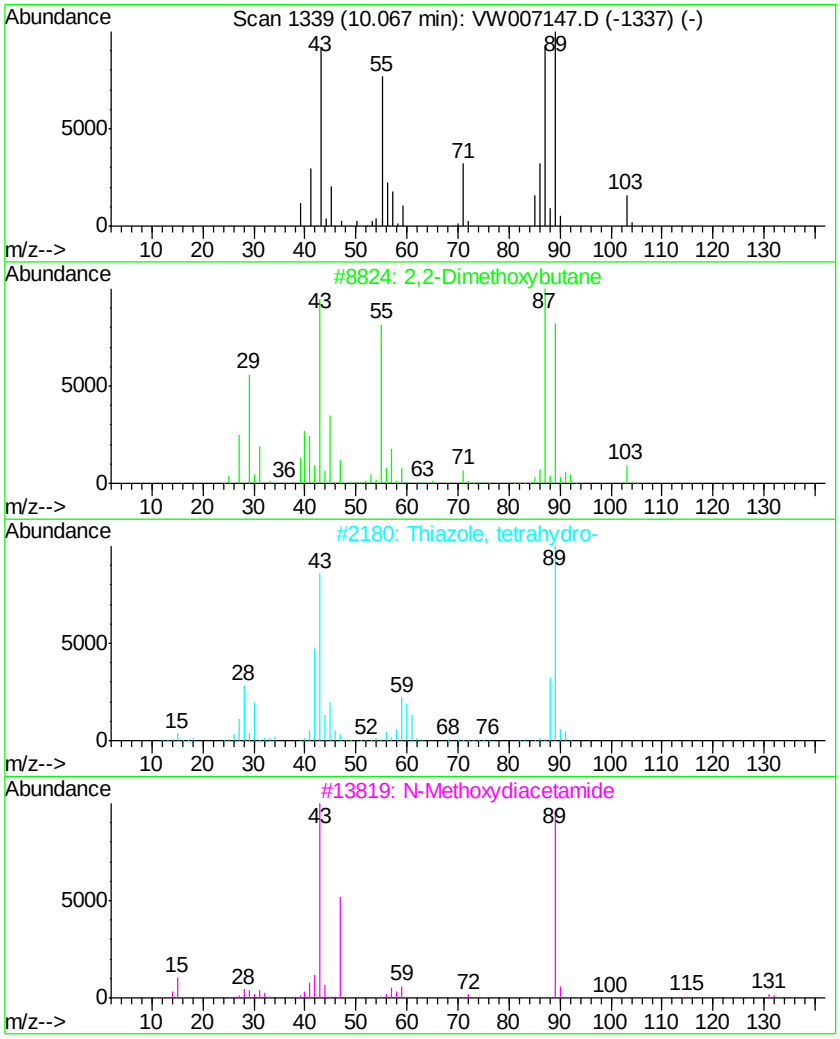
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

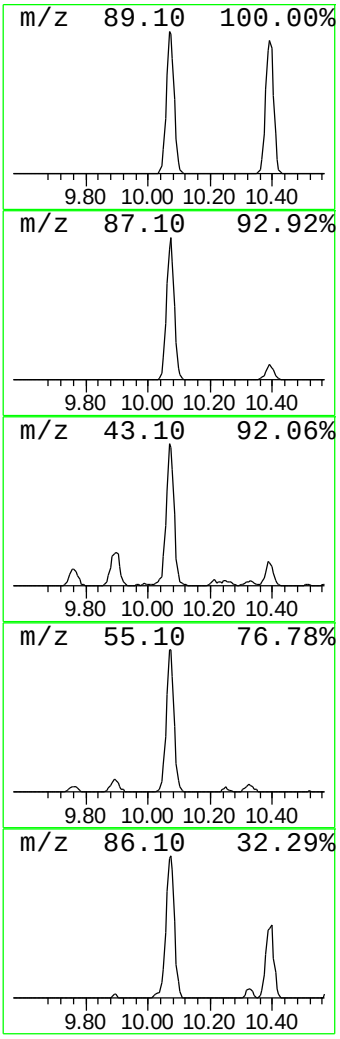
****

Peak Number 5 2,2-Dimethoxybutane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	9.54 ug/L	120915	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethoxybutane	118	C6H14O2	003453-99-4	56
2	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	47
3	N-Methoxydiacetamide	131	C5H9NO3	128459-09-6	28
4	Methanethioamide, N,N-dimethyl-	89	C3H7NS	000758-16-7	28
5	Ethanol, 2-[2-(2-methoxyethoxy)e...	206	C9H18O5	003610-27-3	10





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ClientSampleId : X2E81

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

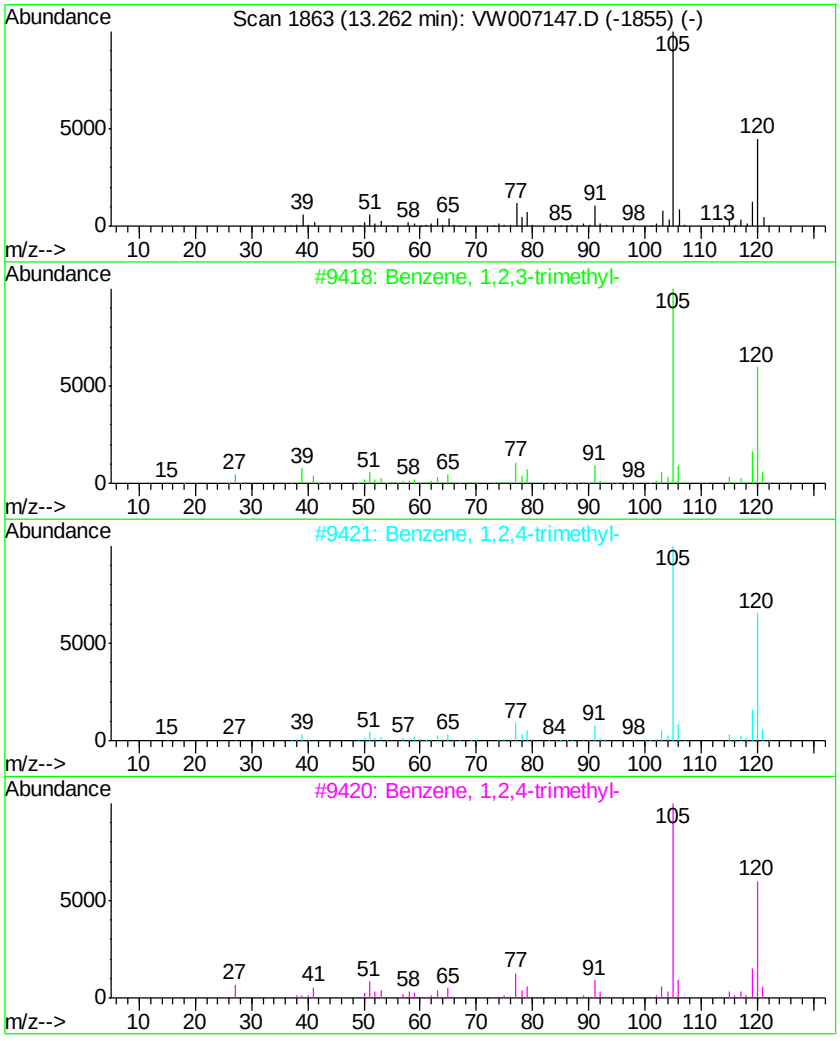
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

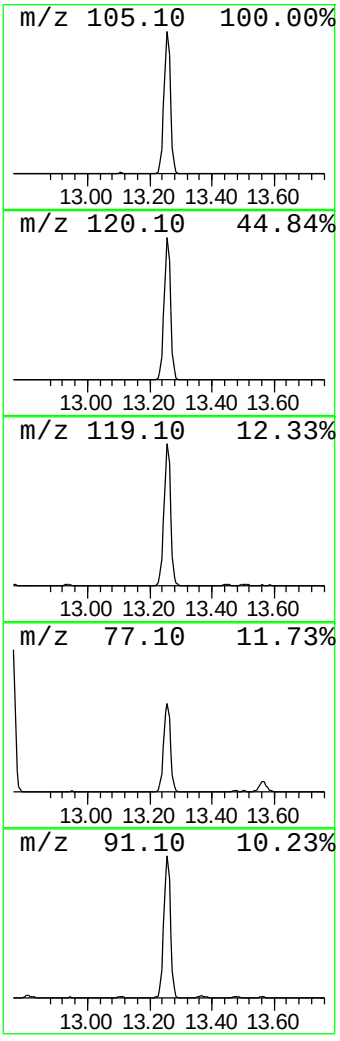
****

Peak Number 9 Benzene, 1,2,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	24.37 ug/L	598156	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93





Library Search Compound Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2E81

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

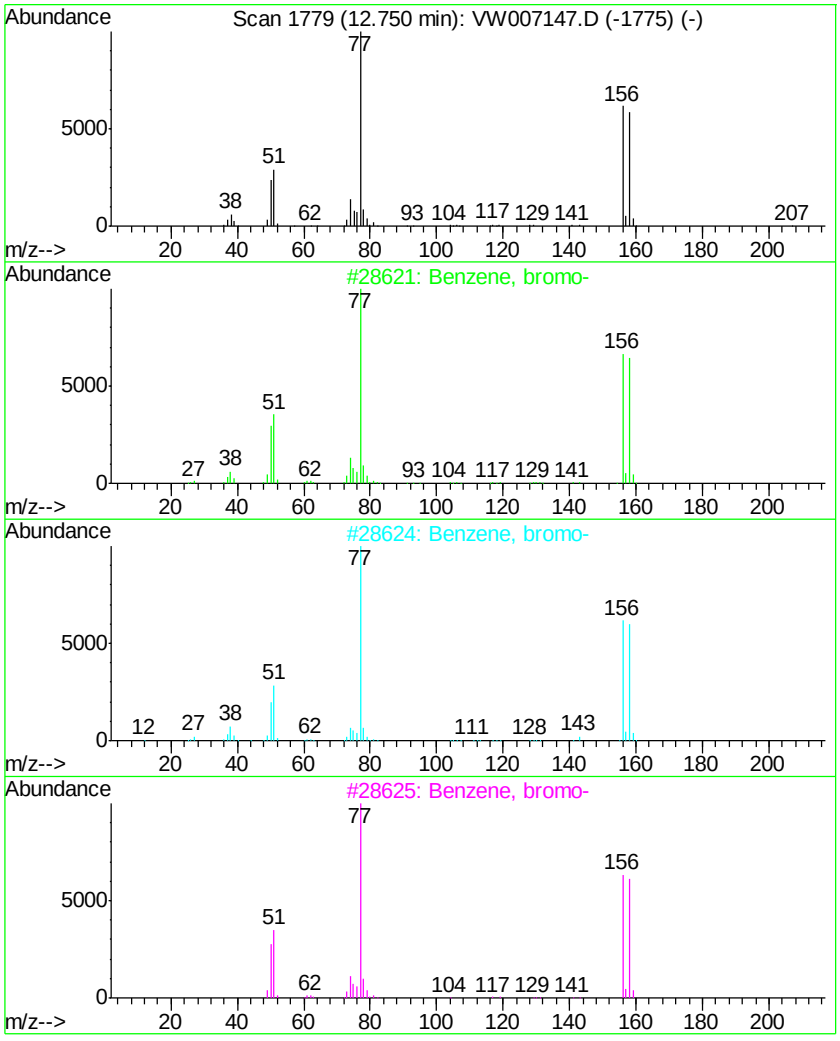
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

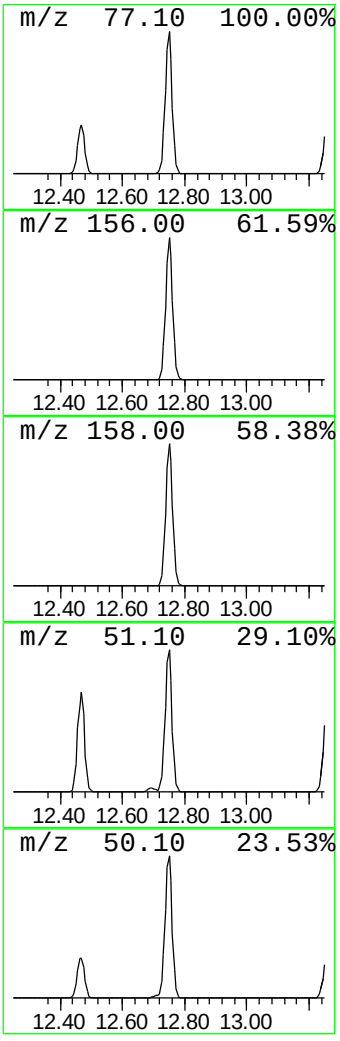
****

Peak Number 10 Benzene, bromo- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	14.17 ug/L	347780	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, bromo-	156	C6H5Br	000108-86-1	97
2	Benzene, bromo-	156	C6H5Br	000108-86-1	97
3	Benzene, bromo-	156	C6H5Br	000108-86-1	96
4	Benzene, bromo-	156	C6H5Br	000108-86-1	96
5	Benzene, bromo-	156	C6H5Br	000108-86-1	94





Tentatively Identified Compound (LSC) summary

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Data File : VW007147.D
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Operator : SY/AP
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Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2E81

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	9.90	1.8	ug/L	22862	1	8.85	317013	25.0
2,2-Dimethoxybutane	10.07	9.5	ug/L	120915	1	8.85	317013	25.0
Benzene, 1,2,4-tr...	13.26	24.4	ug/L	598156	3	13.56	613499	25.0
Benzene, bromo-	12.75	14.2	ug/L	347780	3	13.56	613499	25.0