LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100218\
Data File : VW005801.D
Acq On : 03 Oct 2018 03:19
Operator : SY/AP
Sample : J5182-14
Misc : 5.83G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLC63

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\SOM2WLM092818S.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	2.361	68	75	85	rVB	31817	69397	10.01%	1.099%
2	2.641	119	121	124	rBV4	711	786	0.11%	0.012%
3	2.788	143	145	146	rBV2	865	698	0.10%	0.011%
4	2.806	146	148	149	rBV2	803	478	0.07%	0.008%
5	2.891	155	162	175	rBV	24717	66014	9.52%	1.046%
6	3.391	239	244	250	rVB7	1855	3722	0.54%	0.059%
7	3.574	272	274	286	rVB8	1621	4128	0.60%	0.065%
8	3.727	297	299	304	rVB4	588	1021	0.15%	0.016%
9	3.855	316	320	322	rBV2	582	838	0.12%	0.013%
10	4.013	335	346	361	rBV	65058	201574	29.07%	3.193%
11	4.605	436	443	453	rVV4	2148	7278	1.05%	0.115%
12	4.678	453	455	462	rVV3	819	1705	0.25%	0.027%
13	4.915	481	494	510	rBV2	18397	68365	9.86%	1.083%
14	5.171	532	536	537	rBV2	402	444	0.06%	0.007%
15	5.751	628	631	634	rBV4	353	550	0.08%	0.009%
16	5.940	651	662	674	rVB2	23584	70878	10.22%	1.123%
17	7.086	842	850	854	rBV	9225	23665	3.41%	0.375%
18	7.153	854	861	874	rVB2	21830	64234	9.26%	1.017%
19	7.537	921	924	930	rVV4	403	872	0.13%	0.014%
20	7.653	933	943	954	rVV	135093	324111	46.74%	5.133%
21	8.281	1034	1046	1061	rBV2	211151	693487	100.00%	10.984%
22	8.494	1075	1081	1083	rBV3	417	835	0.12%	0.013%
23	8.701	1113	1115	1119	rVB4	325	468	0.07%	0.007%
24	8.848	1130	1139	1155	rBV	267464	531843	76.69%	8.424%
25	9.043	1167	1171	1172	rBV3	428	488	0.07%	0.008%
26	9.079	1172	1177	1185	rVB3	2407	4783	0.69%	0.076%
27	9.281	1200	1210	1219	rBV	169486	342993	49.46%	5.433%
28	9.439	1231	1236	1240	rBV3	285	597	0.09%	0.009%
29	9.665	1270	1273	1277	rVB2	840	1111	0.16%	0.018%
30	9.756	1283	1288	1295	rVB6	1688	3608	0.52%	0.057%
31	9.896	1305	1311	1317	rBV3	4821	9736	1.40%	0.154%
32	9.963	1317	1322	1324	rVV3	2277	3704	0.53%	0.059%
33	9.994	1324	1327	1328	rVV3	1859	2520	0.36%	0.040%
34	10.043	1328	1335	1340	rVV	47706	88475	12.76%	1.401%

LSC Area Percent Report

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Misc : 5.83G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLC63

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\SOM2WLM092818S.M
Title : VOC Analysis

35	10.104	1342	1345	1354	rVB7	3561	7079	1.02%	0.112%
36	10.219	1360	1364	1365	rBV3	682	847	0.12%	0.013%
37	10.250	1367	1369	1374	rVB3	1505	2140	0.31%	0.034%
38	10.329	1374	1382	1398	rBV	299867	541771	78.12%	8.581%
39	10.451	1398	1402	1405	rBV3	955	1381	0.20%	0.022%
40	10.512	1405	1412	1417	rVB5	8288	16891	2.44%	0.268%
41	10.579	1417	1423	1433	rBV	39401	71009	10.24%	1.125%
42	10.671	1433	1438	1441	rBV3	9561	17352	2.50%	0.275%
43	10.707	1441	1444	1449	rVB2	9717	14339	2.07%	0.227%
44	10.762	1449	1453	1460	rVB3	13349	24603	3.55%	0.390%
45	10.853	1463	1468	1473	rVB3	3451	5586	0.81%	0.088%
46	10.933	1474	1481	1490	rBV	34338	65779	9.49%	1.042%
47	11.000	1490	1492	1494	rBV2	771	685	0.10%	0.011%
48	11.067	1494	1503	1507	rBV2	17049	31983	4.61%	0.507%
49	11.109	1507	1510	1514	rBV3	7768	12609	1.82%	0.200%
50	11.183	1514	1522	1526	rVB2	25539	45288	6.53%	0.717%
51	11.231	1526	1530	1536	rVB	17977	32129	4.63%	0.509%
52	11.286	1536	1539	1542	rVB4	2972	3681	0.53%	0.058%
53	11.341	1544	1548	1552	rVB5	6535	10240	1.48%	0.162%
54	11.384	1552	1555	1556	rBV2	2139	2534	0.37%	0.040%
55	11.445	1560	1565	1572	rVB2	30586	61380	8.85%	0.972%
56	11.512	1572	1576	1581	rVB4	5062	8000	1.15%	0.127%
57	11.567	1581	1585	1589	rBV4	1478	2575	0.37%	0.041%
58	11.634	1589	1596	1606	rBV	364420	610695	88.06%	9.673%
59	11.737	1606	1613	1617	rBV	39292	74291	10.71%	1.177%
60	11.841	1622	1630	1640	rBV	231056	475724	68.60%	7.535%
61	11.981	1649	1653	1659	rVB4	1676	2690	0.39%	0.043%
62	12.042	1659	1663	1671	rVB3	3590	6614	0.95%	0.105%
63	12.170	1671	1684	1692	rBV	113960	235719	33.99%	3.733%
64	12.304	1702	1706	1709	rBV3	5171	9521	1.37%	0.151%
65	12.341	1709	1712	1717	rVV3	10042	17545	2.53%	0.278%
66	12.469	1729	1733	1739	rVB5	3973	8050	1.16%	0.128%
67	12.554	1745	1747	1751	rVB4	442	503	0.07%	0.008%
68	12.615	1751	1757	1763	rVB	24785	41555	5.99%	0.658%
69	12.701	1763	1771	1778	rBV	137074	233255	33.64%	3.694%
70	12.792	1781	1786	1793	rVB6	3730	10075	1.45%	0.160%
71	12.871	1793	1799	1803	rBV	17322	30530	4.40%	0.484%

LSC Area Percent Report

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Operator : SY/AP
Sample : J5182-14
Misc : 5.83G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLC63

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\SOM2WLM092818S.M
Title : VOC Analysis

72	12.951	1807	1812	1817	rVB4	16744	30098	4.34%	0.477%
73	13.042	1825	1827	1830	rBV3	494	721	0.10%	0.011%
74	13.109	1831	1838	1844	rVB2	8445	15370	2.22%	0.243%
75	13.188	1847	1851	1857	rVB7	1887	3946	0.57%	0.062%
76	13.255	1857	1862	1867	rBV	21760	35817	5.16%	0.567%
77	13.304	1867	1870	1875	rVB	5401	7696	1.11%	0.122%
78	13.390	1879	1884	1885	rBV2	1328	2015	0.29%	0.032%
79	13.566	1906	1913	1923	rBV	274077	459807	66.30%	7.283%
80	13.761	1940	1945	1949	rBV6	5225	9491	1.37%	0.150%
81	13.859	1955	1961	1975	rVB	217690	363940	52.48%	5.764%
82	13.963	1975	1978	1981	rVB5	1251	1761	0.25%	0.028%
83	14.017	1984	1987	1988	rBV2	1712	1659	0.24%	0.026%
84	14.085	1993	1998	2007	rVB2	8284	16930	2.44%	0.268%
85	14.206	2016	2018	2022	rBV3	714	945	0.14%	0.015%
86	14.316	2031	2036	2037	rBV2	1793	2667	0.38%	0.042%
87	14.426	2050	2054	2061	rVB3	8741	13638	1.97%	0.216%
88	14.743	2101	2106	2108	rBV4	1471	1953	0.28%	0.031%
89	14.999	2146	2148	2149	rBV2	568	462	0.07%	0.007%
90	15.353	2203	2206	2208	rBV3	385	466	0.07%	0.007%
91	15.450	2218	2222	2227	rVV3	2161	3426	0.49%	0.054%
92	15.511	2228	2232	2238	rVB4	1448	2298	0.33%	0.036%
93	15.609	2243	2248	2251	rBV2	524	799	0.12%	0.013%
94	15.779	2274	2276	2279	rVV2	553	698	0.10%	0.011%
95	15.804	2279	2280	2285	rVB4	722	994	0.14%	0.016%
96	15.859	2285	2289	2292	rBV3	617	696	0.10%	0.011%
97	15.962	2304	2306	2311	rBV5	440	723	0.10%	0.011%
98	16.279	2353	2358	2363	rBV6	623	1286	0.19%	0.020%
99	16.456	2385	2387	2390	rBV3	365	476	0.07%	0.008%
100	16.493	2390	2393	2398	rVB4	648	852	0.12%	0.013%

Sum of corrected areas: 6313684

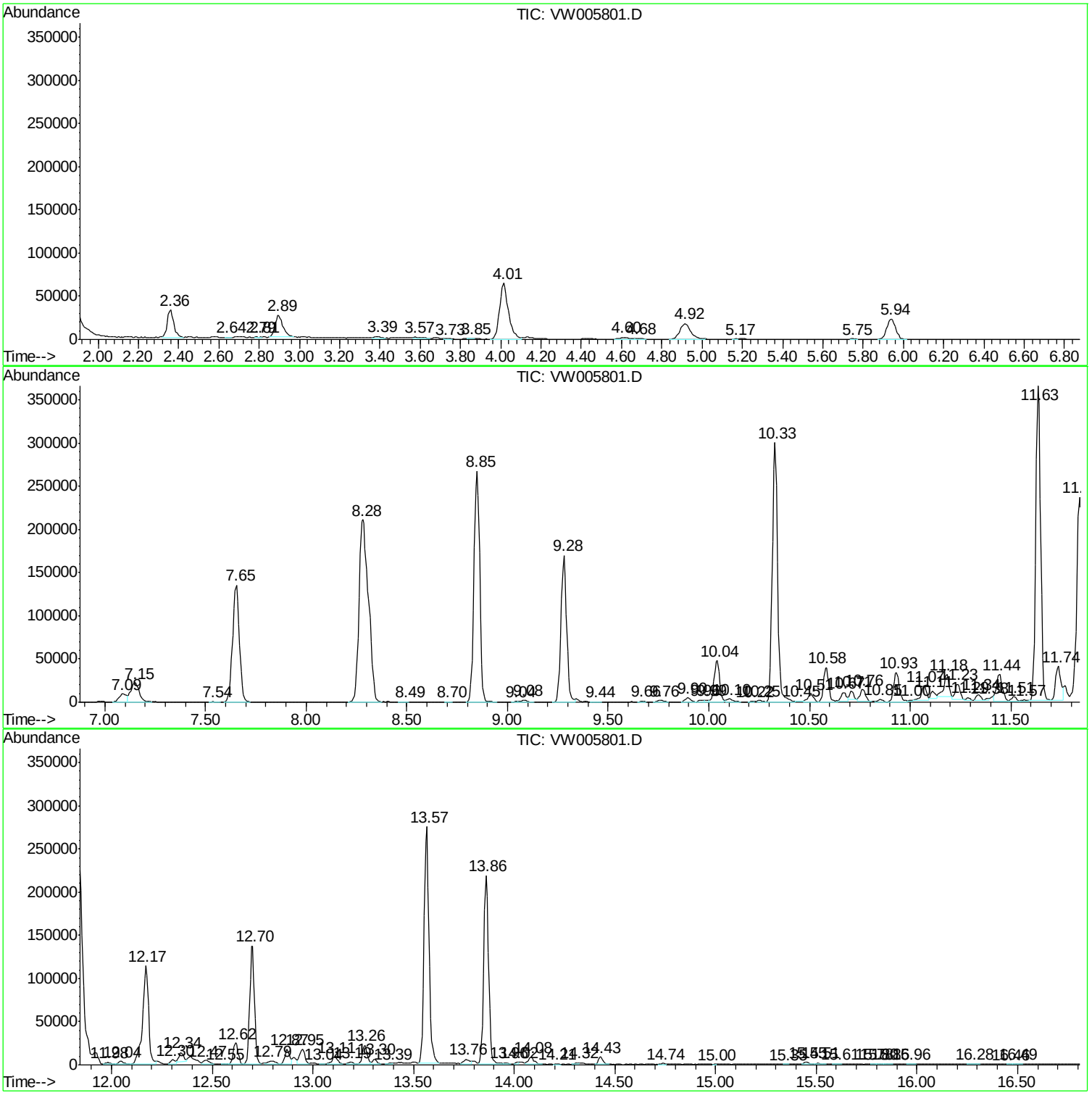
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100218\
Data File : VW005801.D
Acq On : 03 Oct 2018 03:19
Operator : SY/AP
Sample : J5182-14
Misc : 5.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLC63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100218\
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Instrument : MSVOA_W
ClientSampleId : JLC63

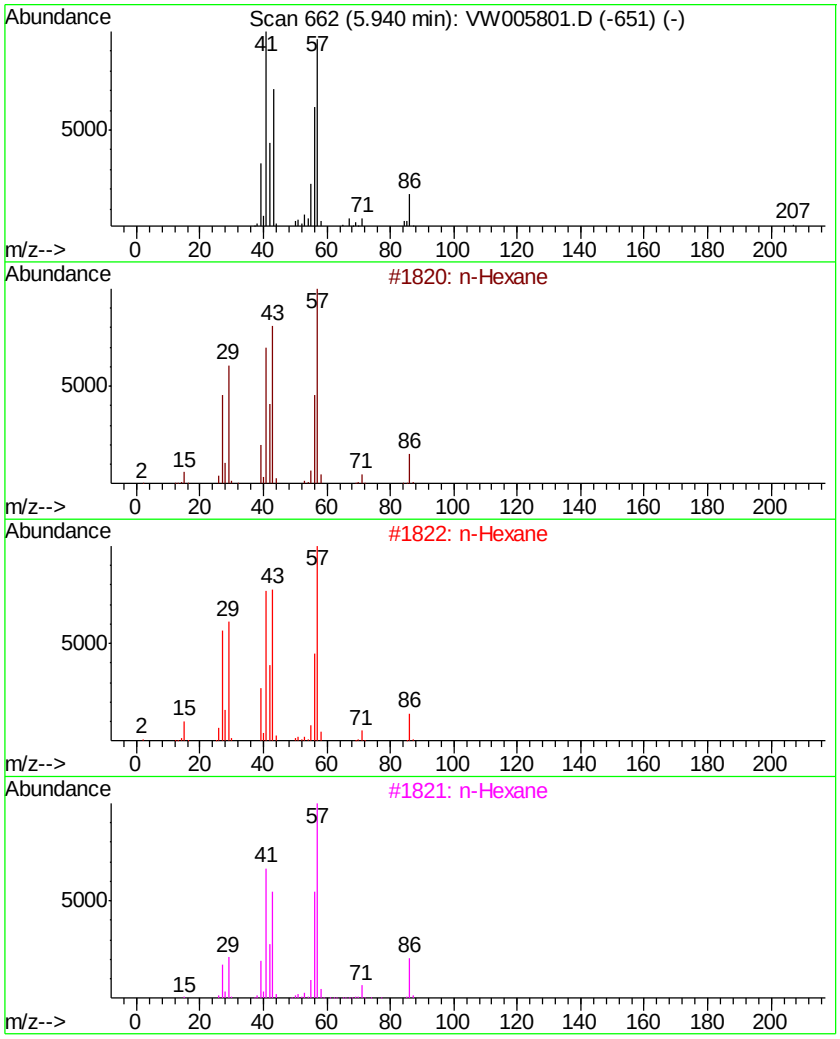
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

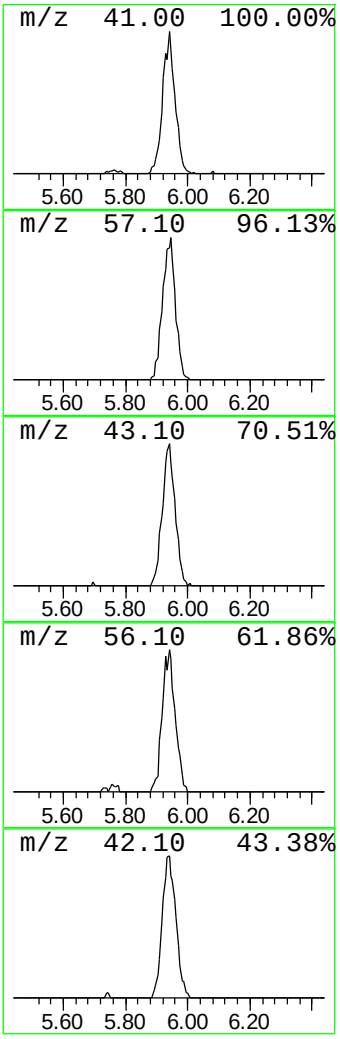
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	3.33 ug/L	70878	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	64
2	n-Hexane	86	C6H14	000110-54-3	53
3	n-Hexane	86	C6H14	000110-54-3	53
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	42
5	Cyclohexane	84	C6H12	000110-82-7	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100218\
Data File : VW005801.D
Acq On : 03 Oct 2018 03:19
Operator : SY/AP
Sample : J5182-14
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLC63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

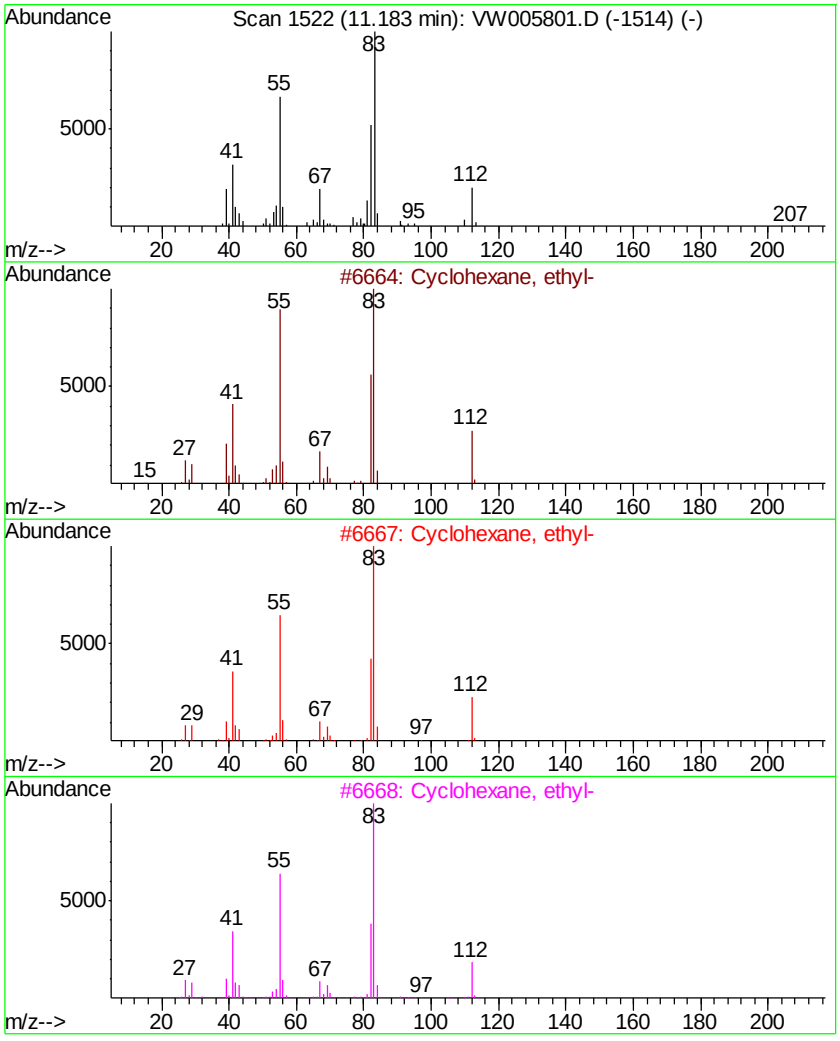
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

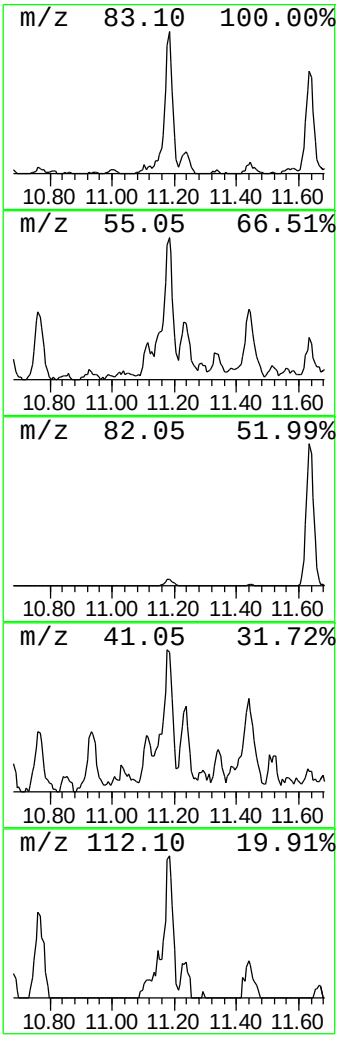
****

Peak Number 5 (DEL) Alkane: Cyclic11.18 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	1.85 ug/L	45288	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	83
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	83
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72





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Instrument : MSVOA_W
ClientSampleId : JLC63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

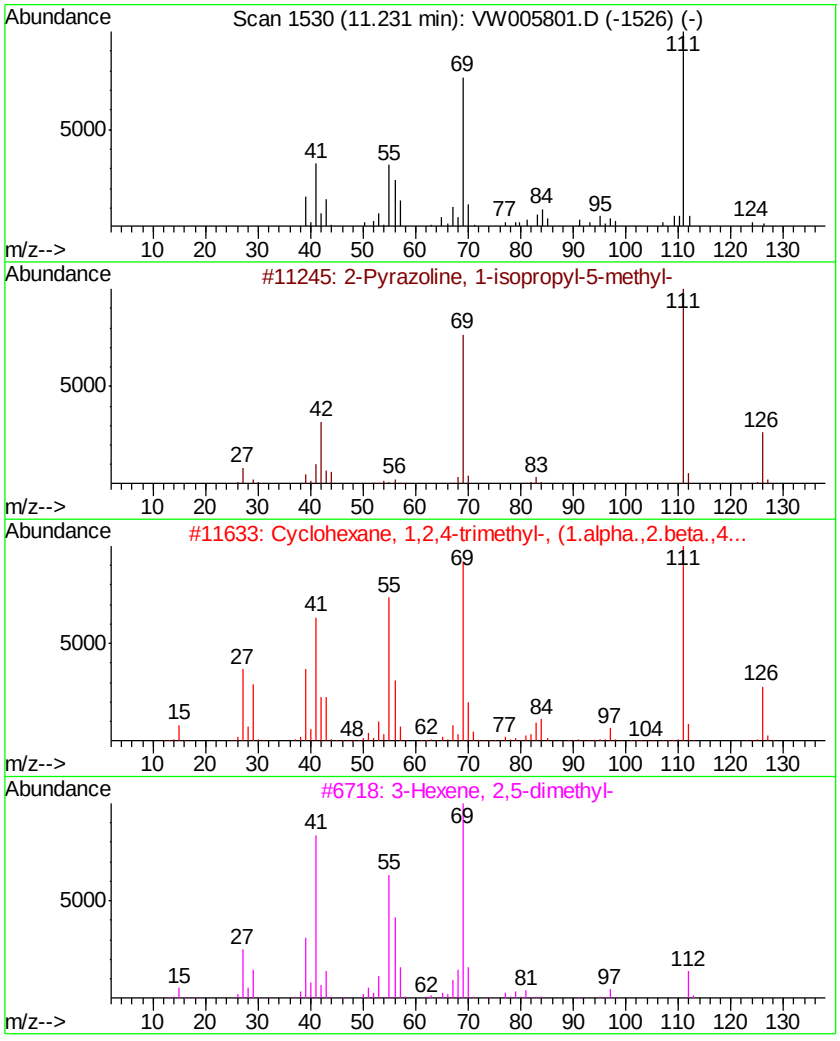
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

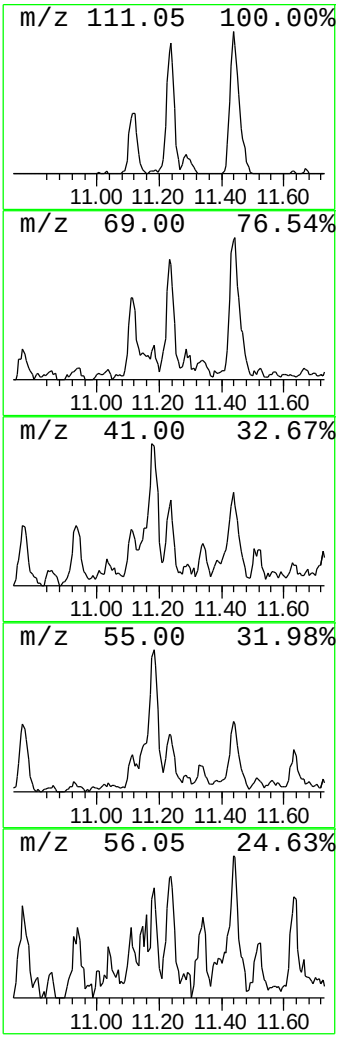
****

Peak Number 6 2-Pyrazoline, 1-isopropyl-5... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	1.32 ug/L	32129	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrazoline, 1-isopropyl-5-methyl-	126	C7H14N2	026964-54-5	59
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	50
3	3-Hexene, 2,5-dimethyl-	112	C8H16	015910-22-2	50
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	49
5	6-Methyl-hept-2-yn-4-ol	126	C8H14O	060018-69-1	47





Library Search Compound Report

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Operator : SY/AP
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLC63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

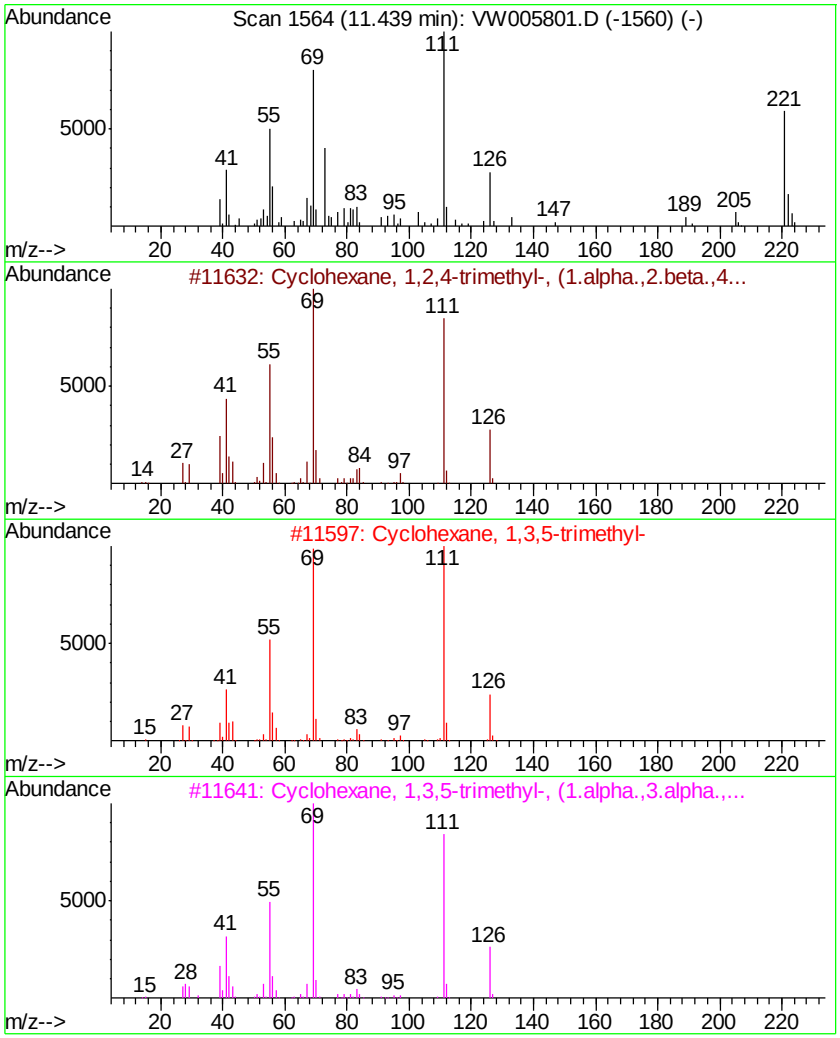
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

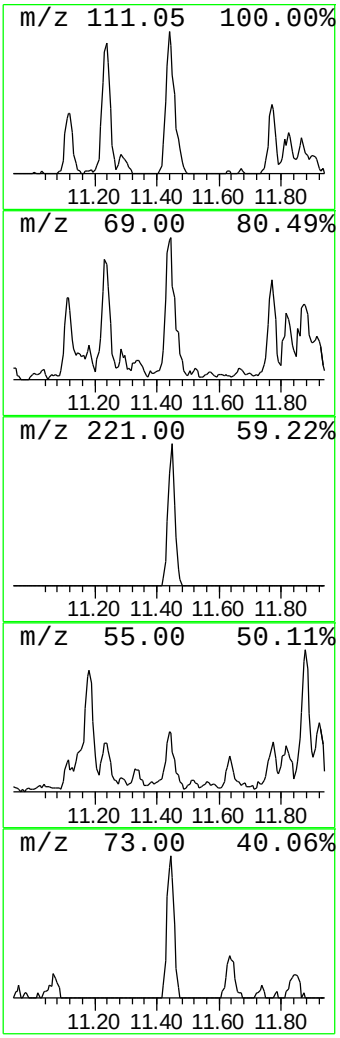
****

Peak Number 7 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	2.51 ug/L	61380	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	49
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	49
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	46
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	46
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100218\
Data File : VW005801.D
Acq On : 03 Oct 2018 03:19
Operator : SY/AP
Sample : J5182-14
Misc : 5.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLC63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

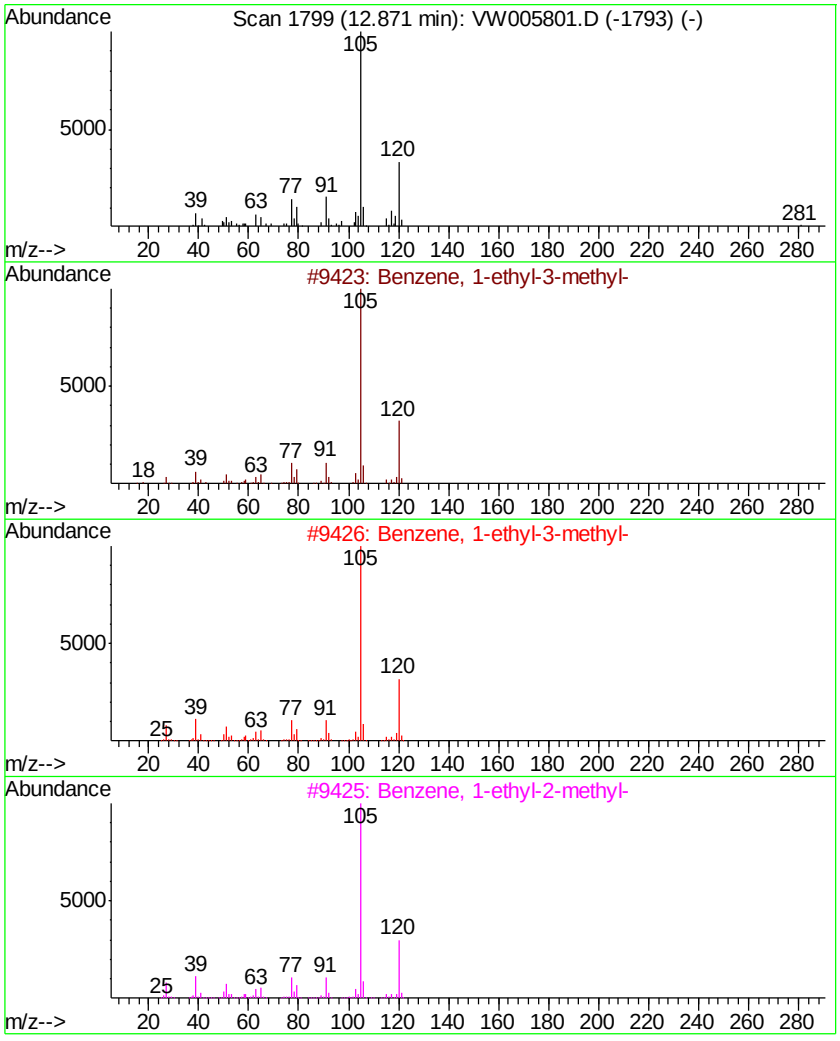
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

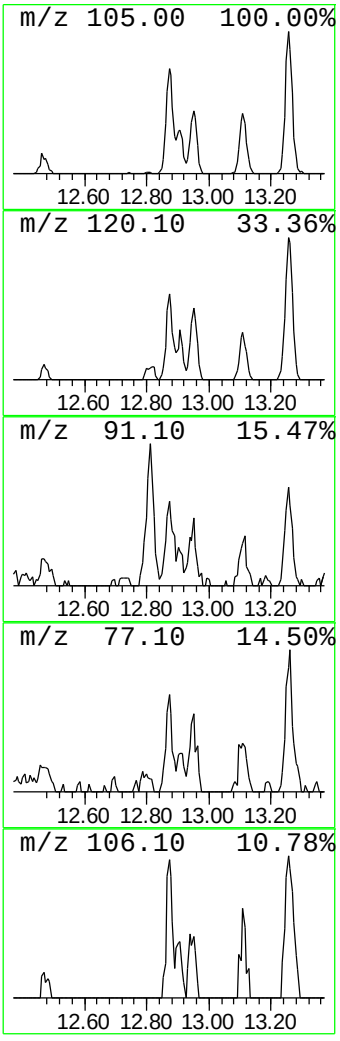
****

Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	1.66 ug/L	30530	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	93
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
4	Mesitylene	120	C9H12	000108-67-8	87
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100218\
Data File : VW005801.D
Acq On : 03 Oct 2018 03:19
Operator : SY/AP
Sample : J5182-14
Misc : 5.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLC63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

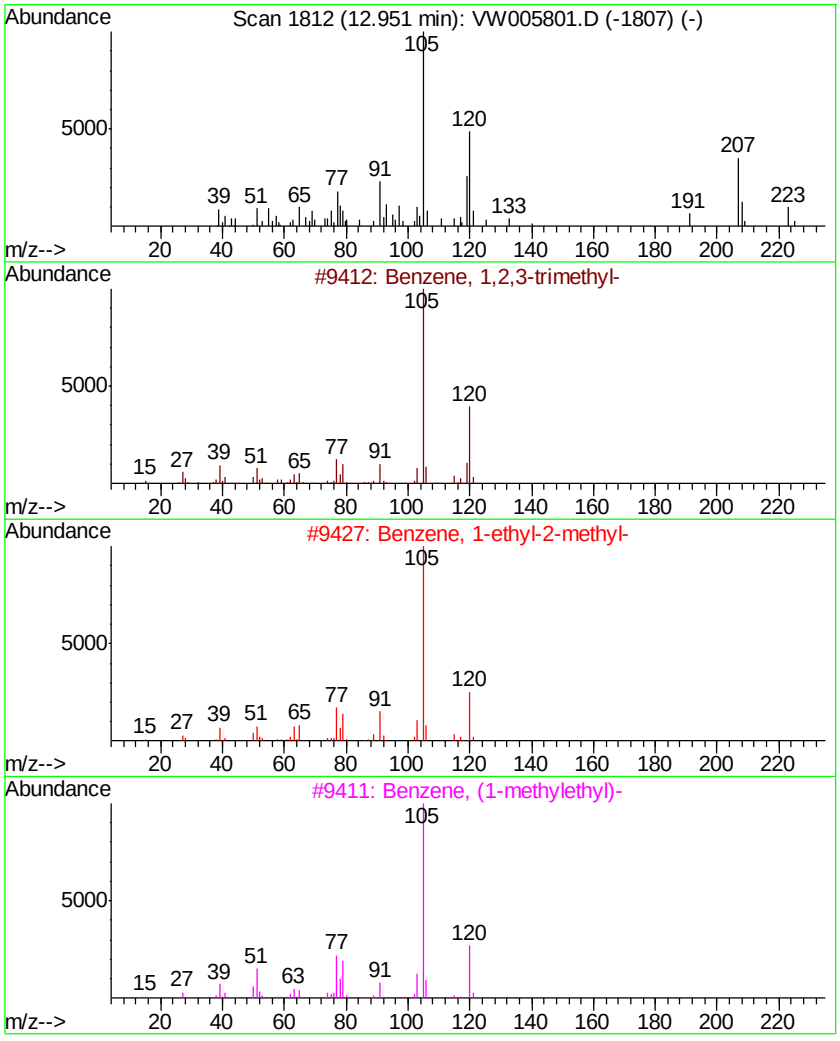
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

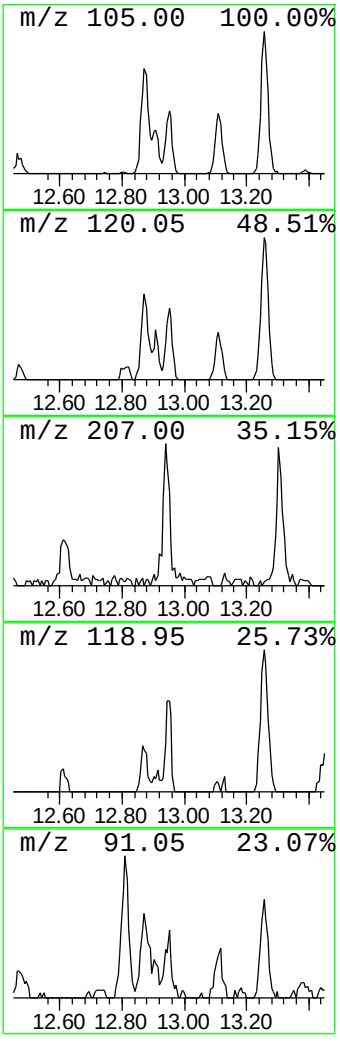
****

Peak Number 10 Benzene, (1-methylethyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	1.64 ug/L	30098	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	50
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	46
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	46
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	45
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100218\
Data File : VW005801.D
Acq On : 03 Oct 2018 03:19
Operator : SY/AP
Sample : J5182-14
Misc : 5.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLC63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

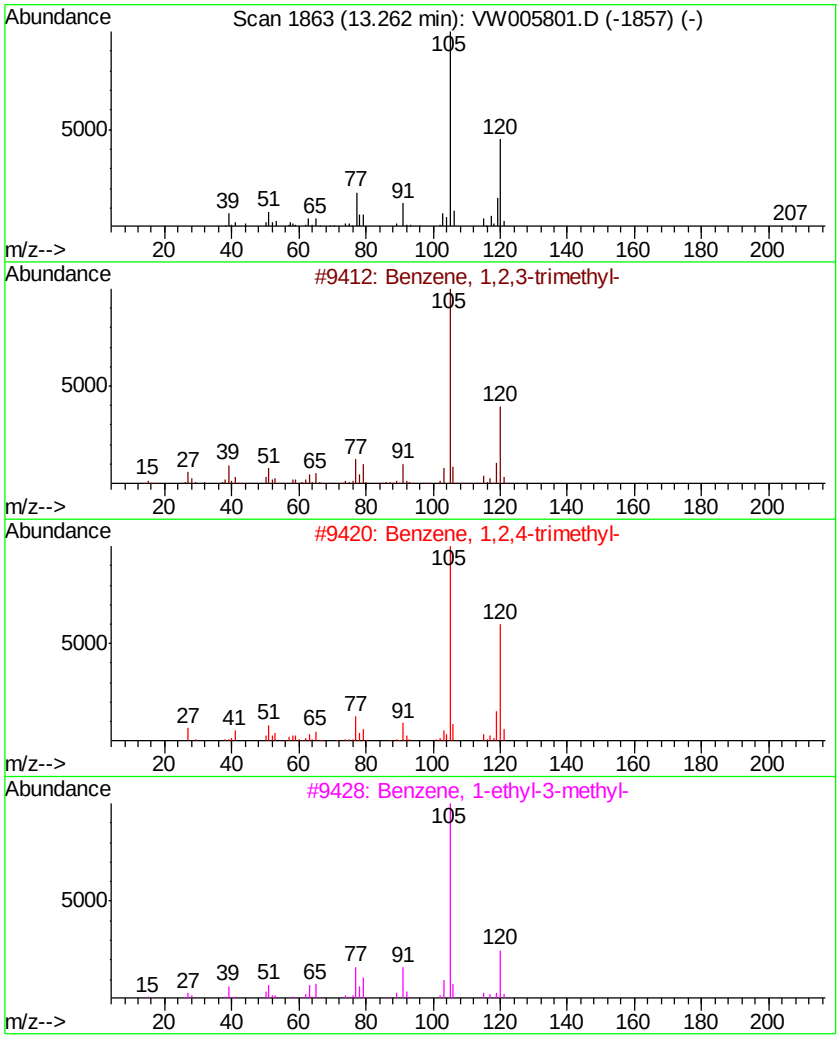
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

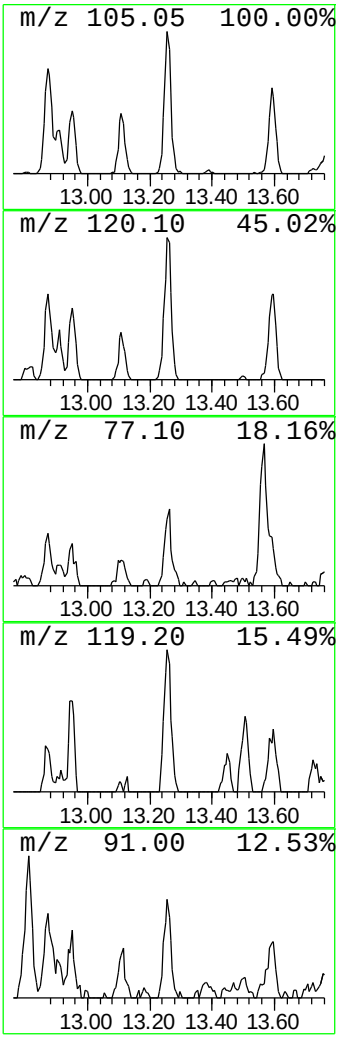
****

Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	1.95 ug/L	35817	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Mesitylene	120	C9H12	000108-67-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100218\
Data File : VW005801.D
Acq On : 03 Oct 2018 03:19
Operator : SY/AP
Sample : J5182-14
Misc : 5.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLC63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.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...	5.94	3.3	ug/L	70878	1	8.85	531843	25.0
(DEL) Alkane: Cyc...	11.18	1.9	ug/L	45288	2	11.63	610695	25.0
2-Pyrazoline, 1-i...	11.23	1.3	ug/L	32129	2	11.63	610695	25.0
unknown-02	11.44	2.5	ug/L	61380	2	11.63	610695	25.0
Benzene, 1-ethyl-...	12.87	1.7	ug/L	30530	3	13.57	459807	25.0
Benzene, (1-methy...	12.95	1.6	ug/L	30098	3	13.57	459807	25.0
Benzene, 1,2,3-tr...	13.26	2.0	ug/L	35817	3	13.57	459807	25.0