LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

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_Y\METHODS\SOM2YLM120420S.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	2.064	36	40	41	rBV2	1194	1368	0.04%	0.003%
2	2.113	46	48	52	rVB	1024	1180	0.03%	0.003%
3	2.247	64	70	80	rBV	84761	132290	3.43%	0.318%
4	2.388	91	93	98	rVB3	1259	1383	0.04%	0.003%
5	2.497	109	111	112	rBV	1010	671	0.02%	0.002%
6	2.540	112	118	124	rVV9	2281	6461	0.17%	0.016%
7	2.772	149	156	167	rBV	66481	134178	3.48%	0.323%
8	2.906	176	178	181	rVB4	1446	1187	0.03%	0.003%
9	2.997	191	193	196	rBV3	729	942	0.02%	0.002%
10	3.253	232	235	237	rBV3	1228	1437	0.04%	0.003%
11	3.863	323	335	348	rBV	146136	396088	10.27%	0.953%
12	4.210	381	392	402	rBV	6943	21585	0.56%	0.052%
13	4.729	465	477	486	rBV4	8564	27749	0.72%	0.067%
14	5.753	638	645	646	rBV3	1893	3170	0.08%	0.008%
15	6.899	824	833	842	rBV	39843	111762	2.90%	0.269%
16	7.003	842	850	868	rVB	13181	48713	1.26%	0.117%
17	7.484	919	929	945	rVB	180658	463370	12.02%	1.115%
18	8.118	1021	1033	1050	rBV2	397595	1156983	30.00%	2.784%
19	8.338	1062	1069	1072	rVV6	678	1372	0.04%	0.003%
20	8.478	1088	1092	1096	rBV2	709	907	0.02%	0.002%
21	8.545	1096	1103	1104	rBV3	765	1248	0.03%	0.003%
22	8.697	1119	1128	1141	rVB	349673	688258	17.85%	1.656%
23	8.929	1159	1166	1175	rVB2	9996	20573	0.53%	0.050%
24	9.124	1188	1198	1214	rBV	257153	505224	13.10%	1.216%
25	9.465	1249	1254	1256	rBV3	626	914	0.02%	0.002%
26	9.514	1257	1262	1267	rVV4	1745	3395	0.09%	0.008%
27	9.612	1272	1278	1284	rVB5	1581	3211	0.08%	0.008%
28	9.892	1316	1324	1331	rVV	148022	259041	6.72%	0.623%
29	9.978	1335	1338	1343	rVB4	2048	2901	0.08%	0.007%
30	10.069	1349	1353	1357	rBV3	1533	2976	0.08%	0.007%
31	10.179	1364	1371	1378	rBV	473106	810294	21.01%	1.950%
32	10.246	1378	1382	1387	rVB	13430	22317	0.58%	0.054%
33	10.295	1389	1390	1393	rBV3	760	790	0.02%	0.002%
34	10.343	1393	1398	1399	rBV4	2261	2867	0.07%	0.007%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

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_Y\METHODS\SOM2YLM120420S.M
Title : VOC Analysis

35	10.362	1399	1401	1407	rVB6	2876	4540	0.12%	0.011%
36	10.441	1407	1414	1423	rBV	97915	170094	4.41%	0.409%
37	10.520	1423	1427	1431	rVV2	9147	14544	0.38%	0.035%
38	10.581	1431	1437	1449	rVB	29879	60251	1.56%	0.145%
39	10.721	1456	1460	1464	rVB7	2229	3565	0.09%	0.009%
40	10.788	1464	1471	1479	rBV	171547	272615	7.07%	0.656%
41	10.953	1492	1498	1504	rBV3	19914	49399	1.28%	0.119%
42	11.093	1515	1521	1526	rVB2	26861	47974	1.24%	0.115%
43	11.142	1526	1529	1533	rVV5	5362	8103	0.21%	0.019%
44	11.191	1533	1537	1542	rVB4	12498	22190	0.58%	0.053%
45	11.246	1543	1546	1549	rVB3	3146	3616	0.09%	0.009%
46	11.301	1549	1555	1564	rVB3	33200	92726	2.40%	0.223%
47	11.380	1564	1568	1570	rBV3	1984	3195	0.08%	0.008%
48	11.490	1579	1586	1596	rBV	398918	651790	16.90%	1.568%
49	11.624	1604	1608	1612	rVB	25236	36318	0.94%	0.087%
50	11.685	1612	1618	1622	rBV7	17293	44001	1.14%	0.106%
51	11.739	1623	1627	1638	rVB6	33194	106500	2.76%	0.256%
52	11.843	1638	1644	1648	rBV5	17977	38113	0.99%	0.092%
53	12.002	1662	1670	1678	rBV4	53342	153540	3.98%	0.369%
54	12.087	1682	1684	1692	rVB5	20805	38105	0.99%	0.092%
55	12.160	1692	1696	1697	rBV3	10136	13582	0.35%	0.033%
56	12.203	1697	1703	1705	rBV2	62669	110758	2.87%	0.267%
57	12.233	1705	1708	1714	rVB3	72921	122559	3.18%	0.295%
58	12.489	1744	1750	1754	rBV3	47843	82492	2.14%	0.199%
59	12.556	1755	1761	1767	rBV	193487	355941	9.23%	0.857%
60	12.642	1770	1775	1783	rVB2	192301	331620	8.60%	0.798%
61	12.727	1783	1789	1793	rBV6	57161	130364	3.38%	0.314%
62	12.812	1797	1803	1816	rVB	583363	1055205	27.36%	2.539%
63	12.971	1822	1829	1836	rVB	343727	609383	15.80%	1.466%
64	13.117	1848	1853	1859	rBV	184045	314554	8.16%	0.757%
65	13.251	1869	1875	1878	rBV2	116527	199611	5.18%	0.480%
66	13.312	1881	1885	1889	rVB	167597	267475	6.94%	0.644%
67	13.422	1899	1903	1906	rBV	188616	287141	7.45%	0.691%
68	13.562	1923	1926	1930	rBV3	68971	102957	2.67%	0.248%
69	13.623	1931	1936	1939	rVV2	345612	546544	14.17%	1.315%
70	13.660	1939	1942	1947	rVV2	629367	855810	22.19%	2.059%
71	13.745	1948	1956	1962	rVB3	322341	842824	21.86%	2.028%

LSC Area Percent Report

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Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

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_Y\METHODS\SOM2YLM120420S.M
Title : VOC Analysis

72	13.818	1964	1968	1973	rBV	289795	417803	10.83%	1.005%
73	13.879	1974	1978	1981	rVV	473081	715789	18.56%	1.722%
74	13.910	1981	1983	1988	rVB	441038	593669	15.40%	1.429%
75	13.971	1988	1993	1998	rVB	610070	913529	23.69%	2.198%
76	14.032	1999	2003	2005	rBV	118702	165572	4.29%	0.398%
77	14.074	2006	2010	2015	rVB	749726	1134308	29.42%	2.730%
78	14.129	2015	2019	2027	rVB4	183467	439248	11.39%	1.057%
79	14.215	2028	2033	2036	rBV2	255516	397523	10.31%	0.957%
80	14.257	2036	2040	2042	rBV3	225493	322811	8.37%	0.777%
81	14.294	2042	2046	2049	rVV	518656	743225	19.27%	1.788%
82	14.330	2049	2052	2057	rVB	1299867	1800023	46.68%	4.331%
83	14.379	2057	2060	2063	rBV	235917	319009	8.27%	0.768%
84	14.416	2063	2066	2070	rBV2	397757	511792	13.27%	1.232%
85	14.562	2086	2090	2095	rBV2	379407	602506	15.62%	1.450%
86	14.611	2095	2098	2102	rVB	398118	514219	13.33%	1.237%
87	14.672	2102	2108	2115	rBV2	1884523	3856216	100.00%	9.279%
88	14.739	2115	2119	2124	rVV2	231747	398869	10.34%	0.960%
89	14.830	2131	2134	2138	rBV2	232701	356988	9.26%	0.859%
90	14.940	2147	2152	2155	rBV3	876293	1523433	39.51%	3.666%
91	15.050	2165	2170	2178	rVB2	1126395	2392367	62.04%	5.757%
92	15.190	2189	2193	2196	rBV2	273490	504075	13.07%	1.213%
93	15.288	2205	2209	2213	rBV	368259	590382	15.31%	1.421%
94	15.342	2214	2218	2222	rBV2	339362	681303	17.67%	1.639%
95	15.519	2242	2247	2254	rBV	713476	1370780	35.55%	3.299%
96	15.812	2291	2295	2300	rVB3	455683	779537	20.22%	1.876%
97	15.879	2301	2306	2312	rBV4	507394	1129861	29.30%	2.719%
98	16.031	2326	2331	2337	rVB2	533081	961460	24.93%	2.314%
99	16.287	2368	2373	2379	rVB	1194017	2113375	54.80%	5.085%
100	16.483	2399	2405	2419	rVB2	981218	2420761	62.78%	5.825%

Sum of corrected areas: 41557237

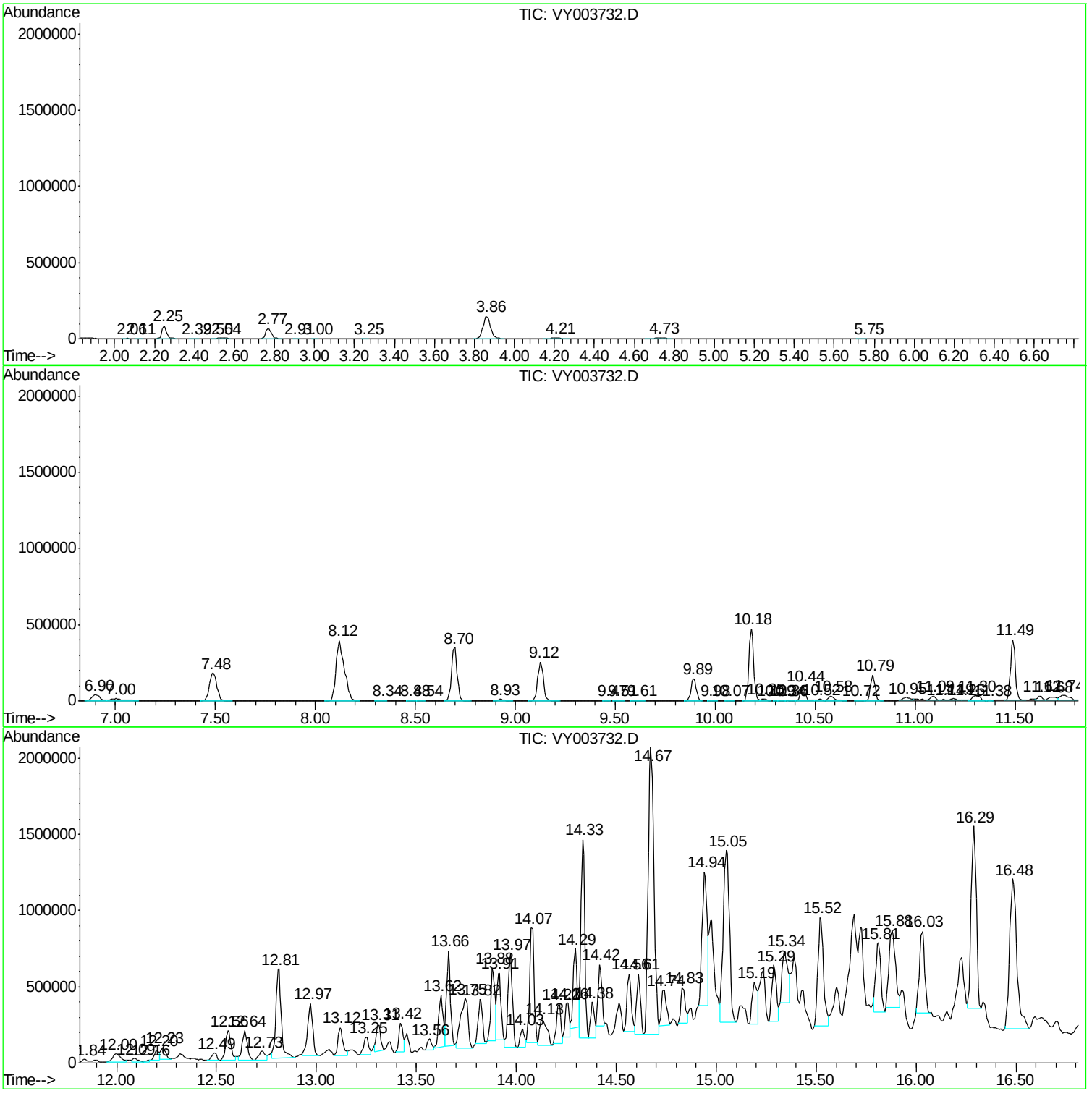
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

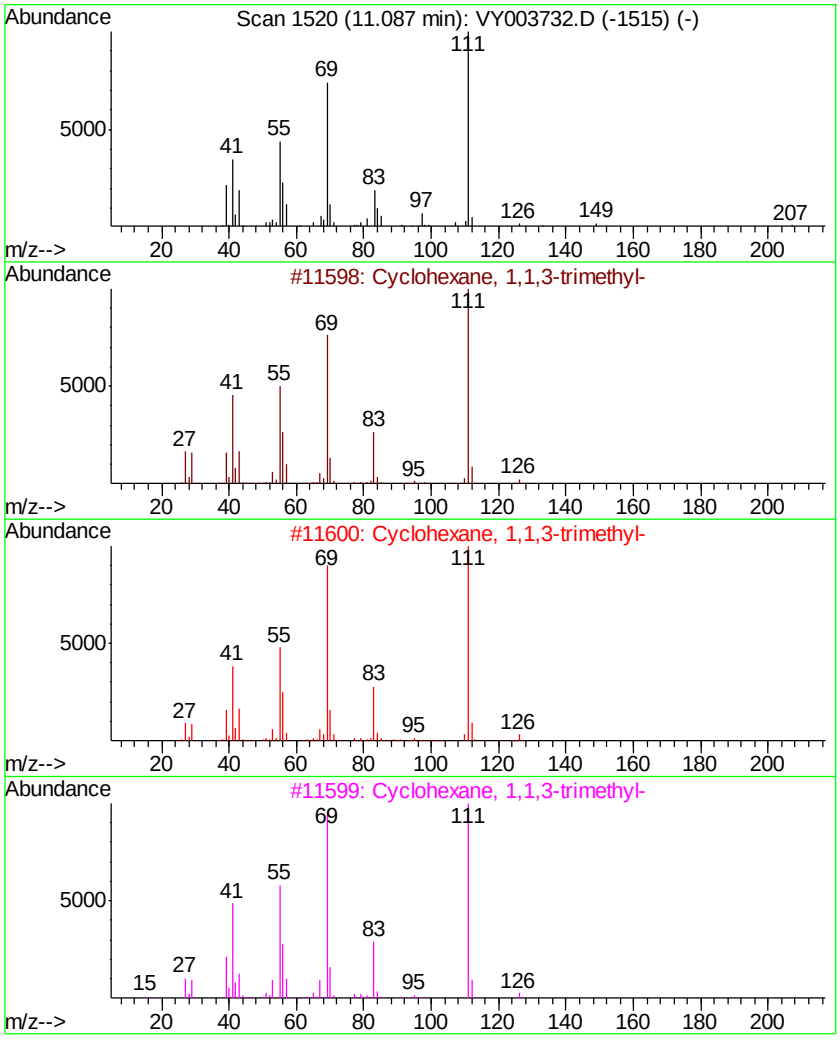
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

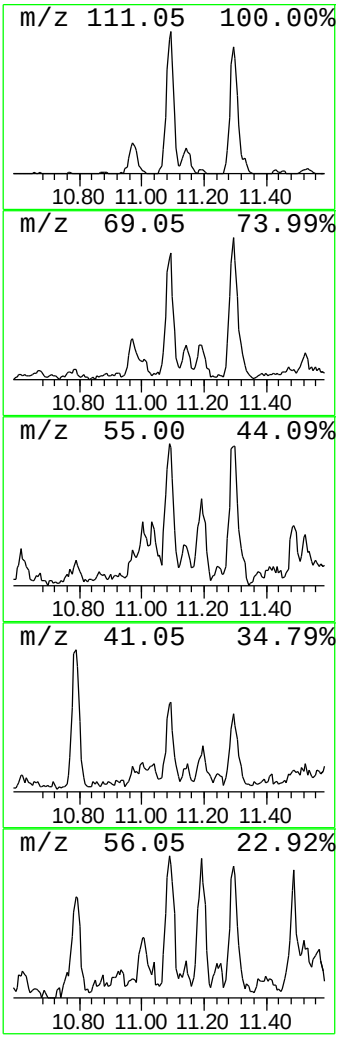
****

Peak Number 5 (DEL) Alkane: Cyclic11.09 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	1.84 ug/L	47974	Chlorobenzene-d5	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

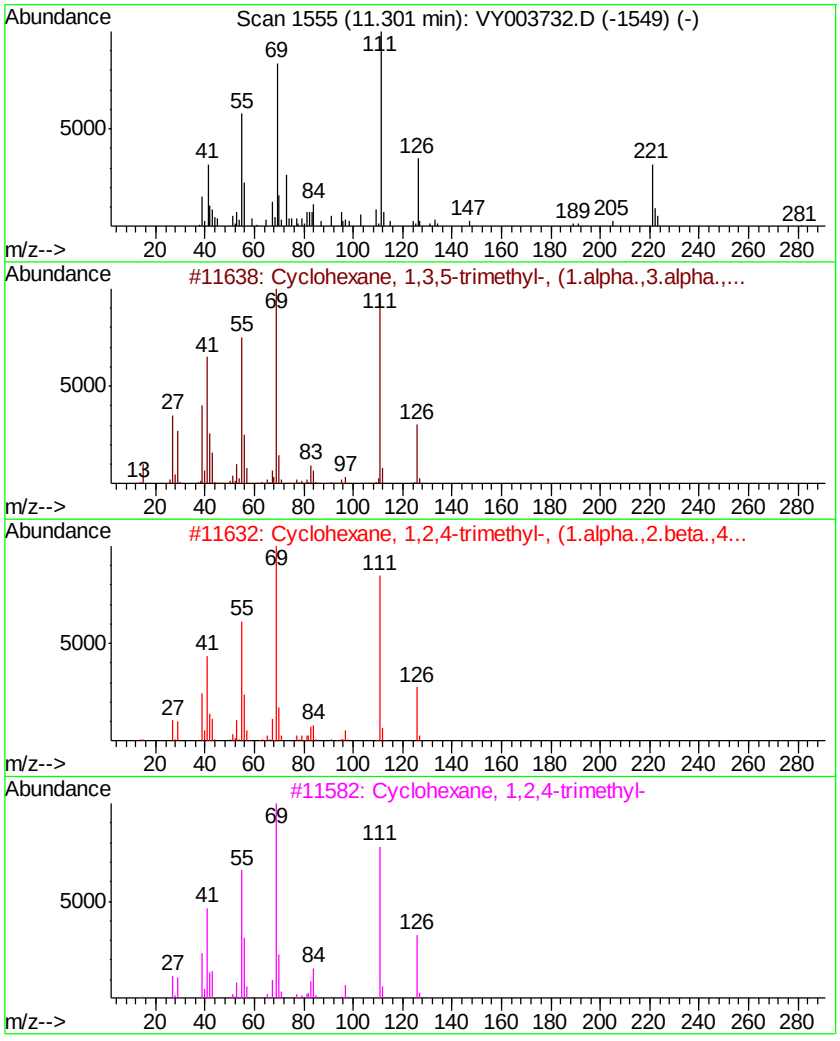
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

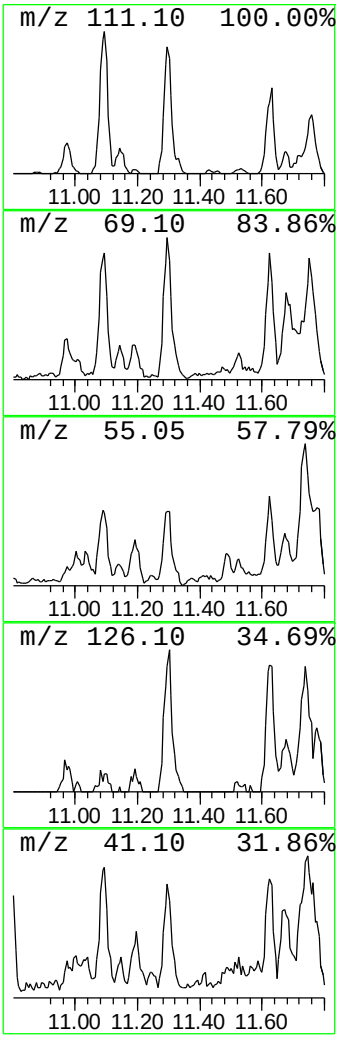
****

Peak Number 6 (DEL) Alkane: Cyclic11.30 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	3.56 ug/L	92726	Chlorobenzene-d5	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	76
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	68
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	60
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	60
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	59





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

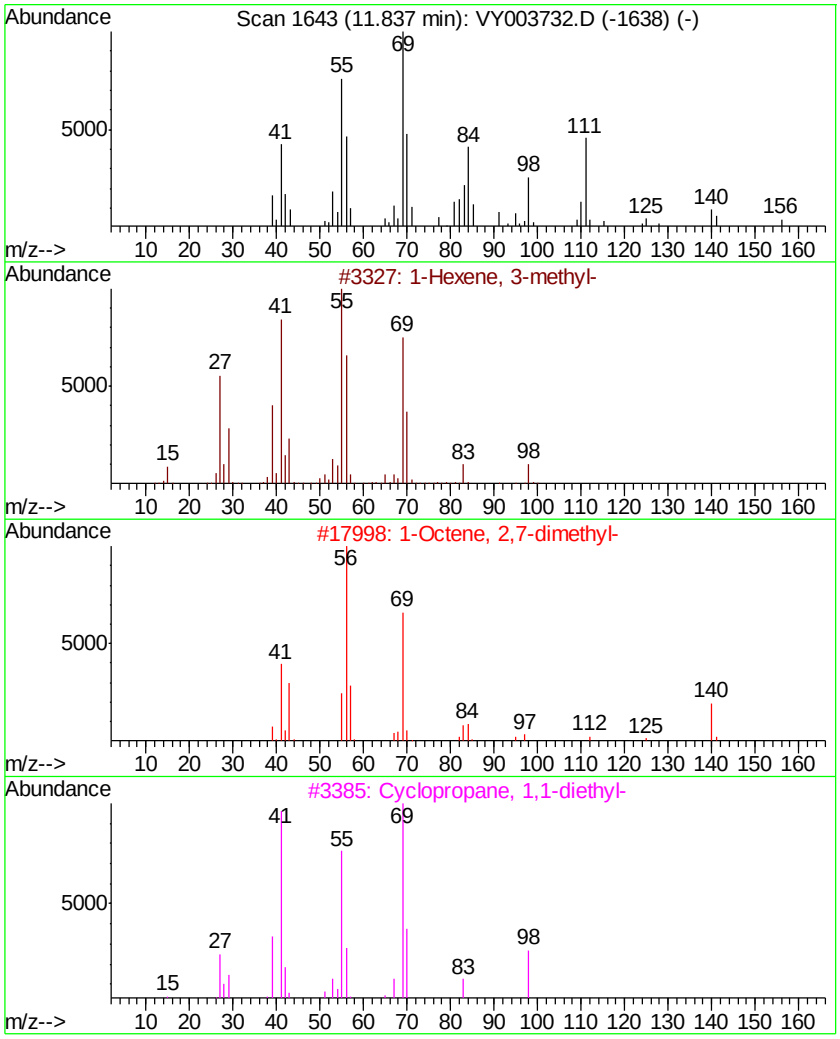
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

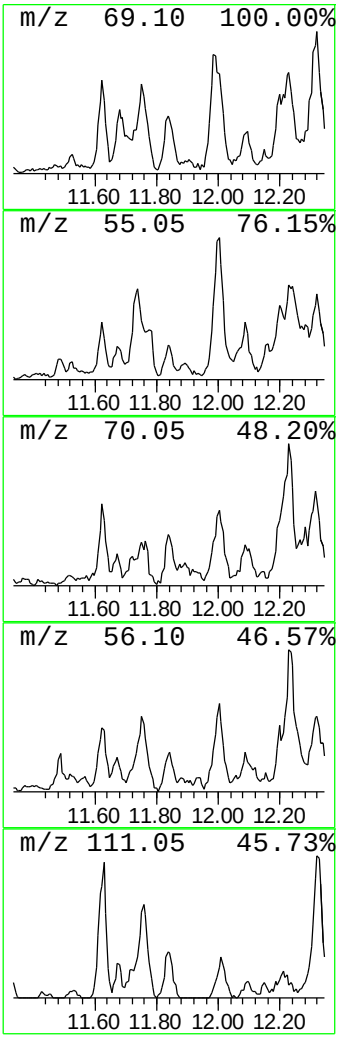
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	1.46 ug/L	38113	Chlorobenzene-d5	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	53
2	1-Octene, 2,7-dimethyl-	140	C10H20	033718-03-5	50
3	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	49
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46
5	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

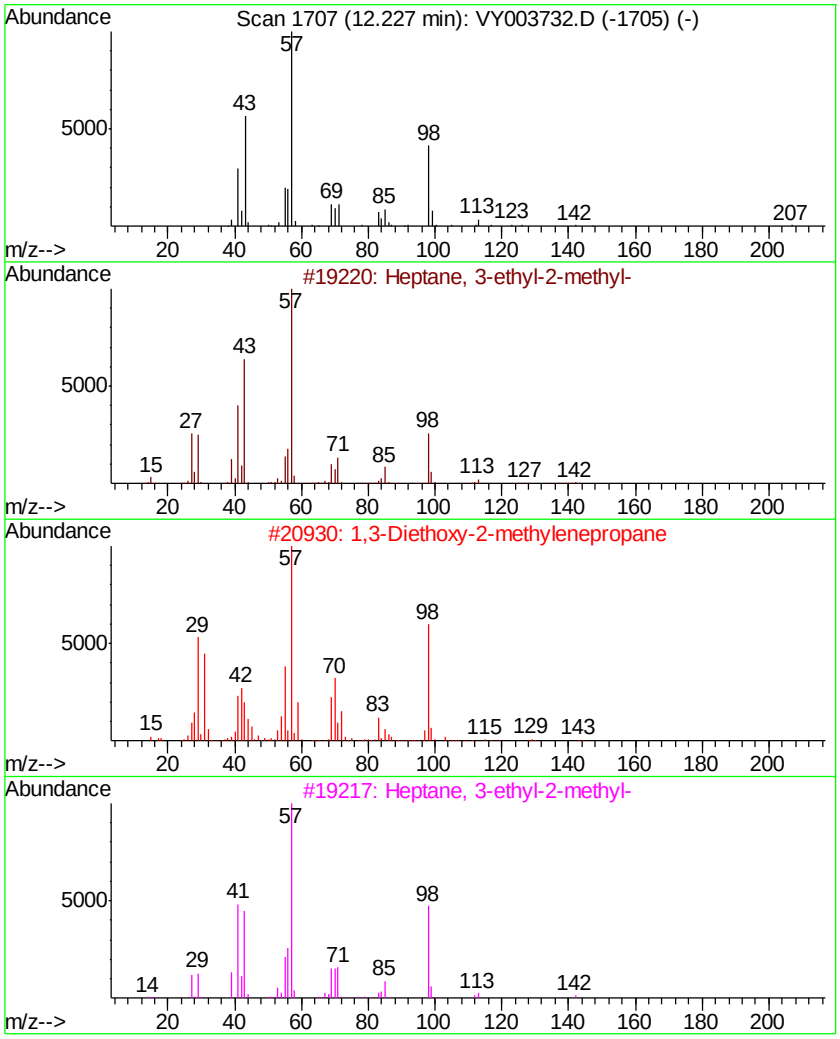
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

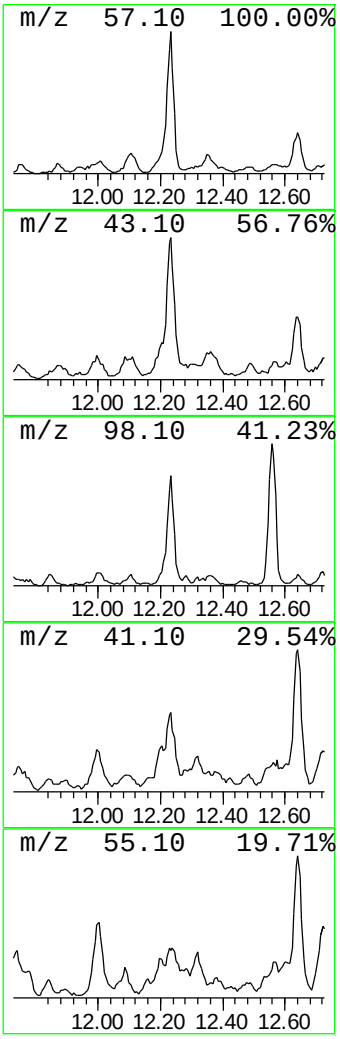
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	4.70 ug/L	122559	Chlorobenzene-d5	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
2	1,3-Diethoxy-2-methylenepropane	144	C8H16O2	025307-84-0	50
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	38
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	38





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

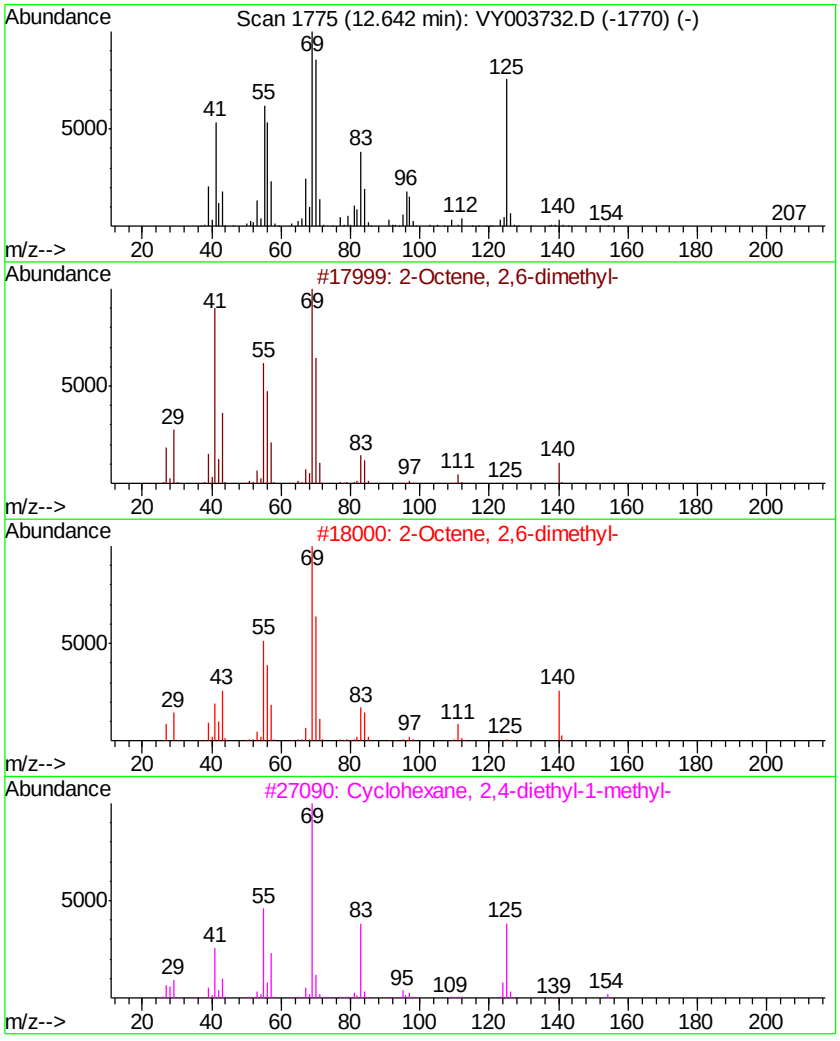
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

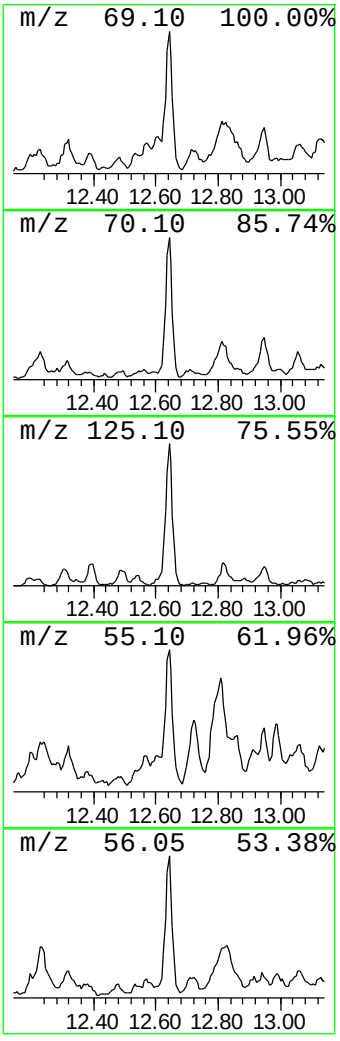
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	28.87 ug/L	331620	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	60
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	53
3	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	47
4	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
5	Cyclopentane, propyl-	112	C8H16	002040-96-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

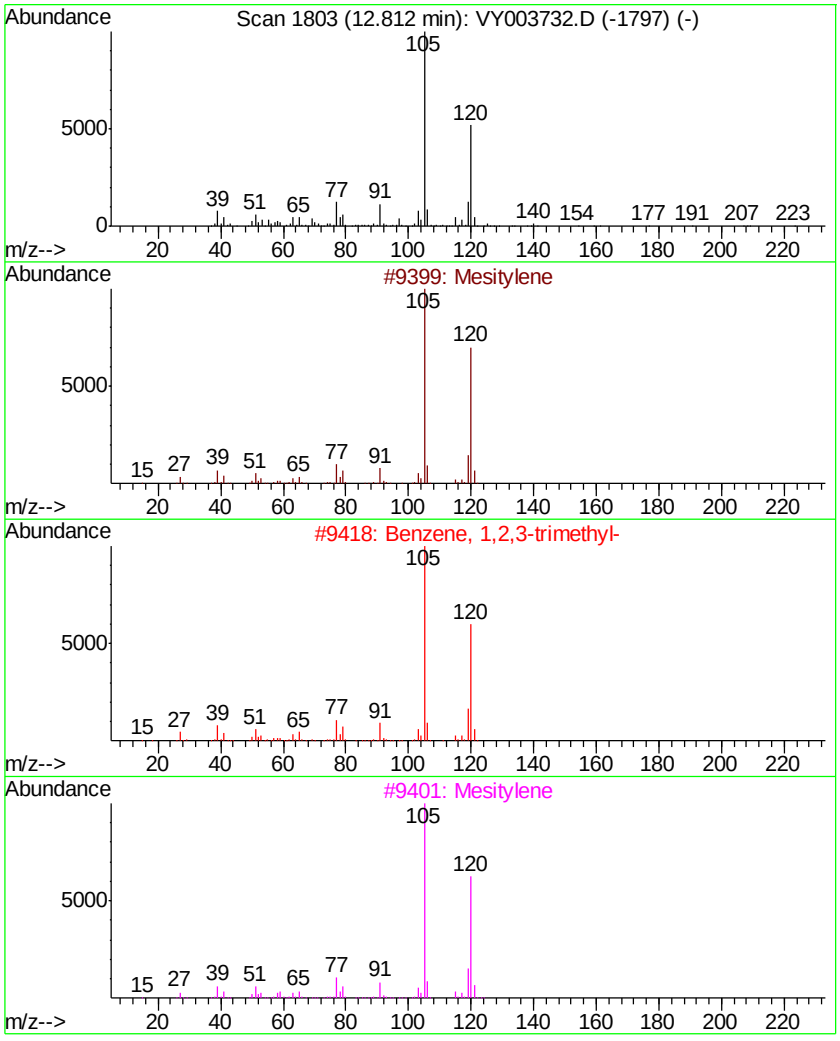
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

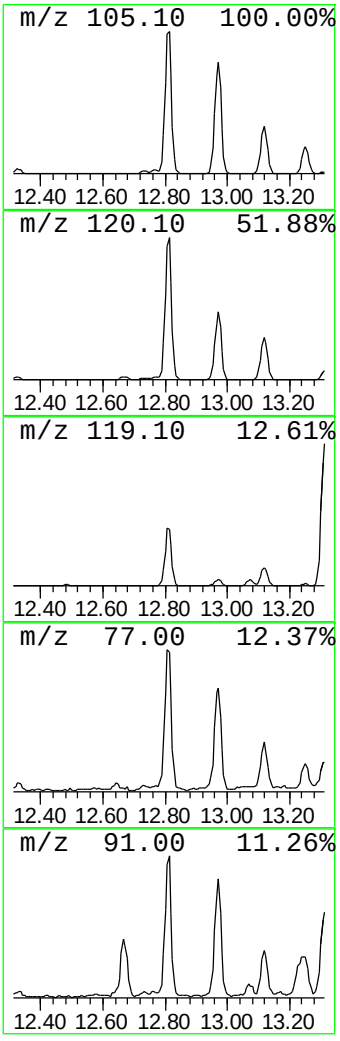
****

Peak Number 14 Mesitylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	91.87 ug/L	1055210	1,4-Dichlorobenzene-d4	13.42

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





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

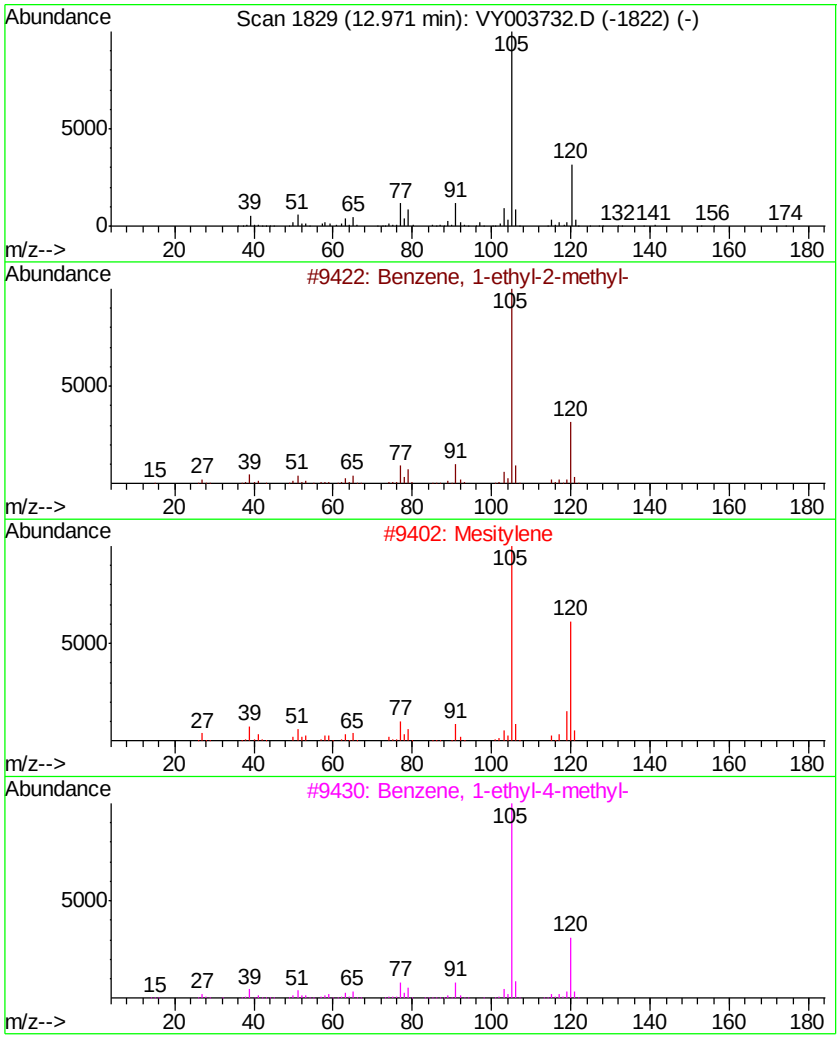
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

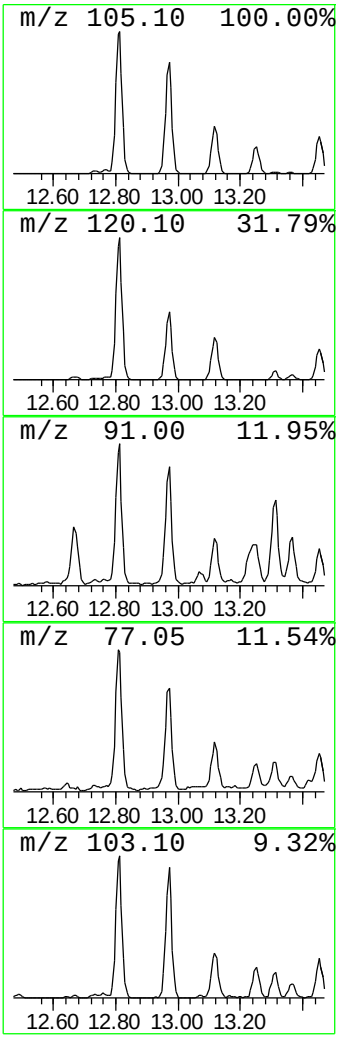
****

Peak Number 15 Benzene, 1-ethyl-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	53.06 ug/L	609383	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Mesitylene	120	C9H12	000108-67-8	90
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





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Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

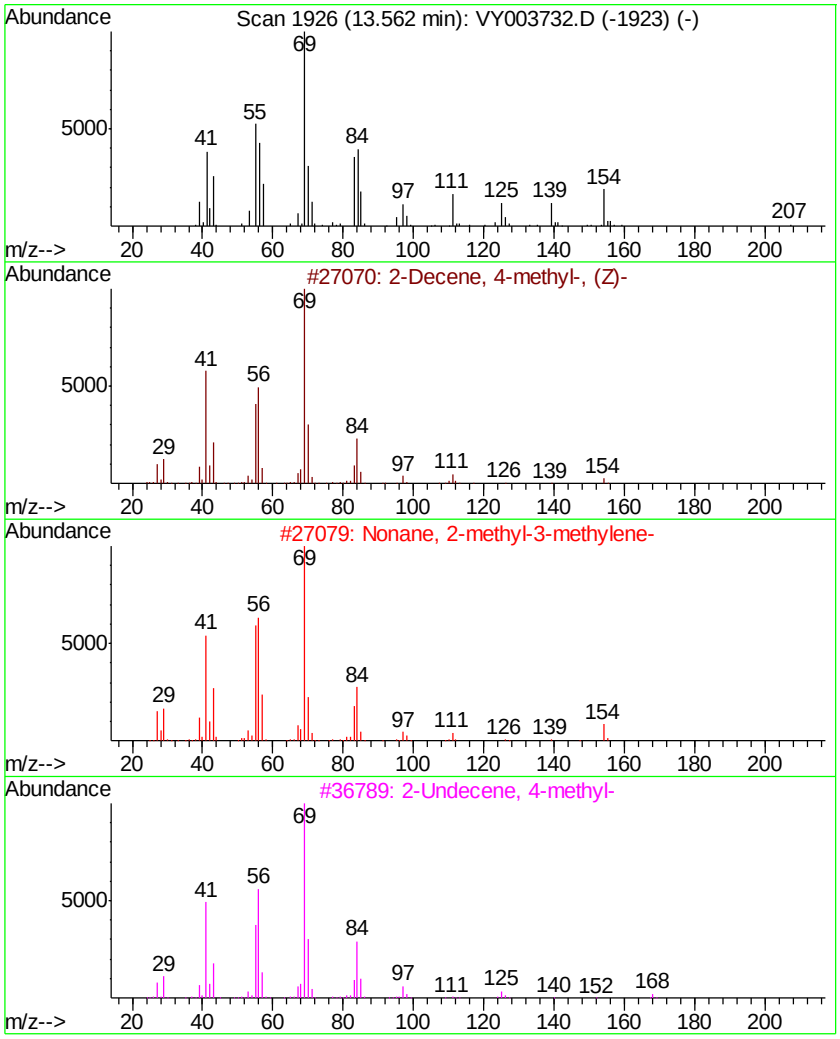
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

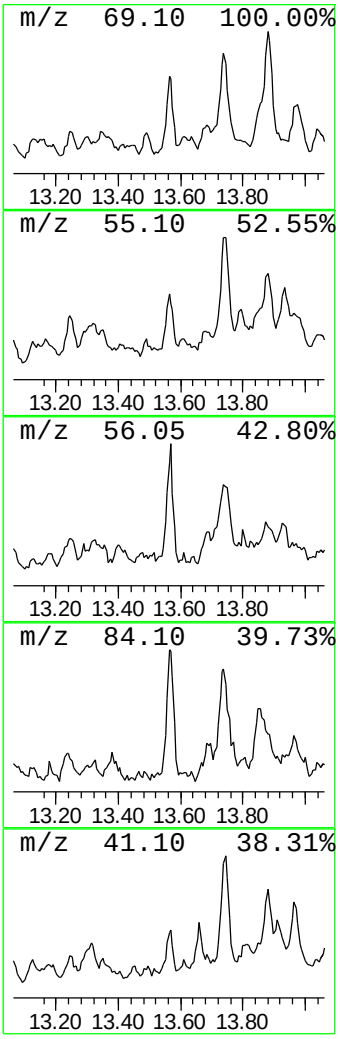
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	8.96 ug/L	102957	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	72
2	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	72
3	2-Undecene, 4-methyl-	168	C12H24	091695-32-8	64
4	Cyclopentane, 1,2-dibutyl-	182	C13H26	062199-52-4	53
5	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	53





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

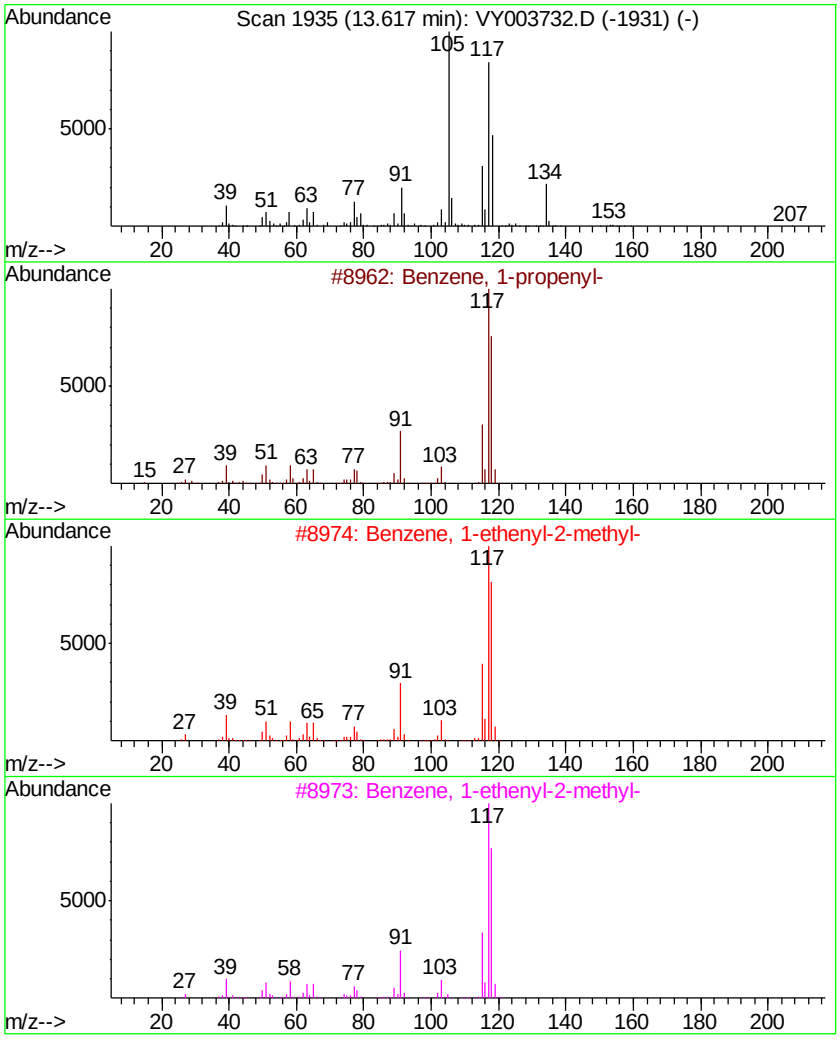
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

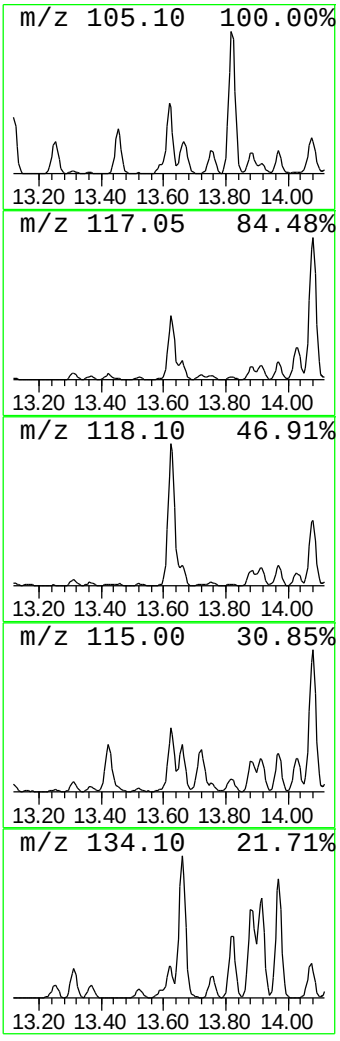
****

Peak Number 20 Benzene, 1-propenyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	47.59 ug/L	546544	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	92
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	92
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	70
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

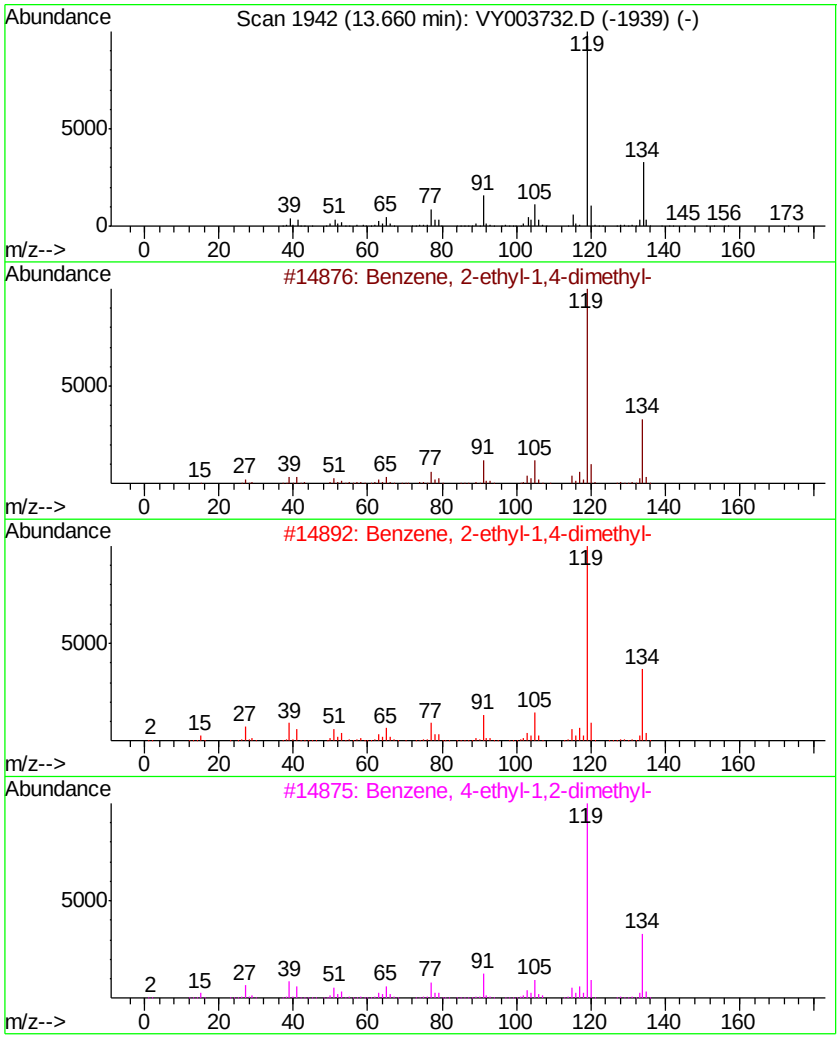
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

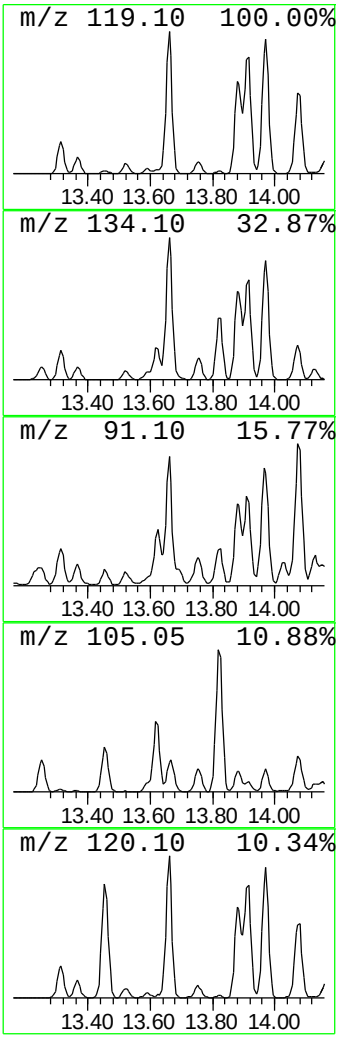
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	74.51 ug/L	855810	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

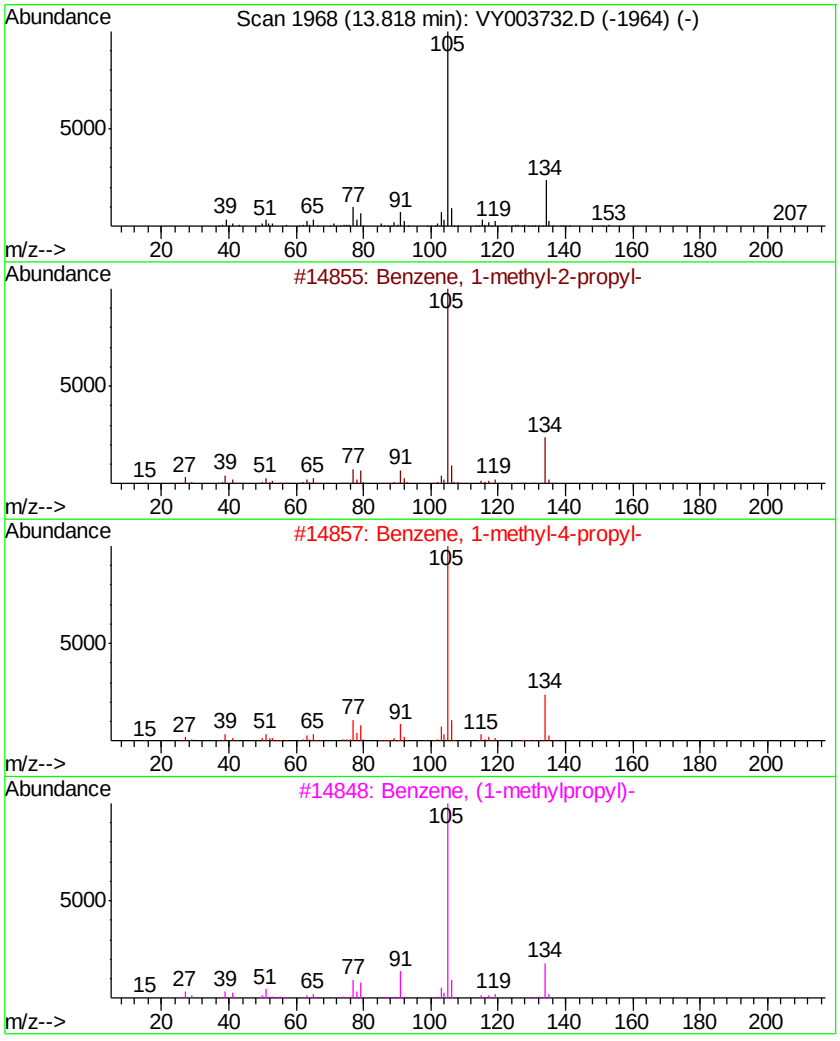
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

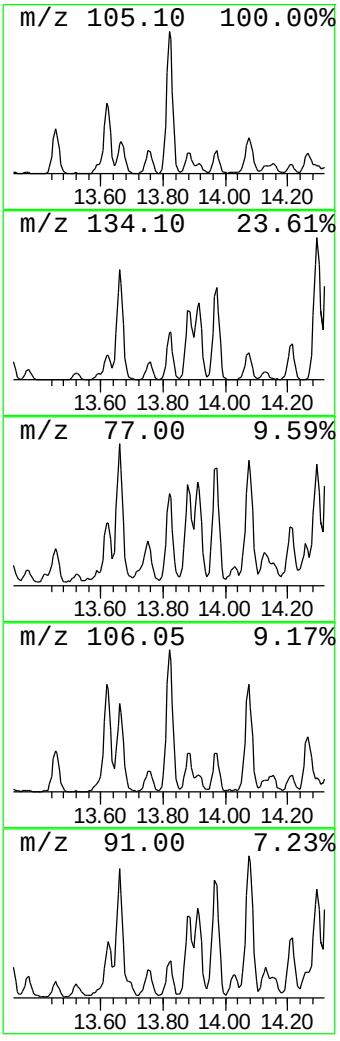
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 1-methyl-2-propyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	36.38 ug/L	417803	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

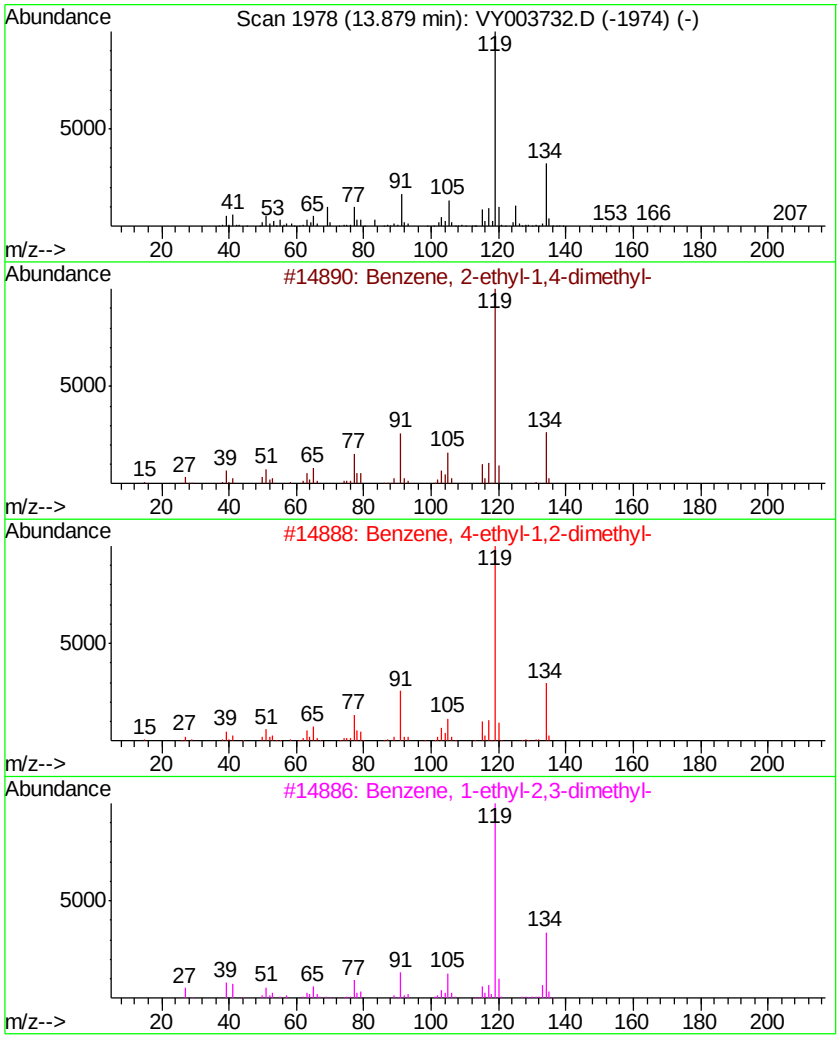
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

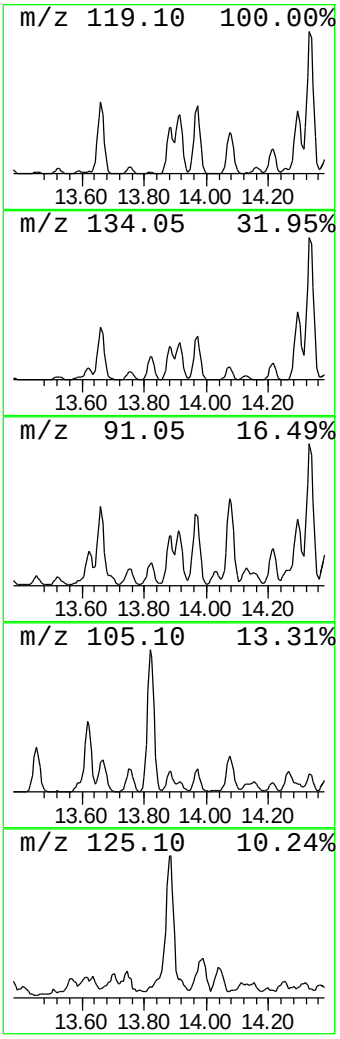
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	62.32 ug/L	715789	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





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Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

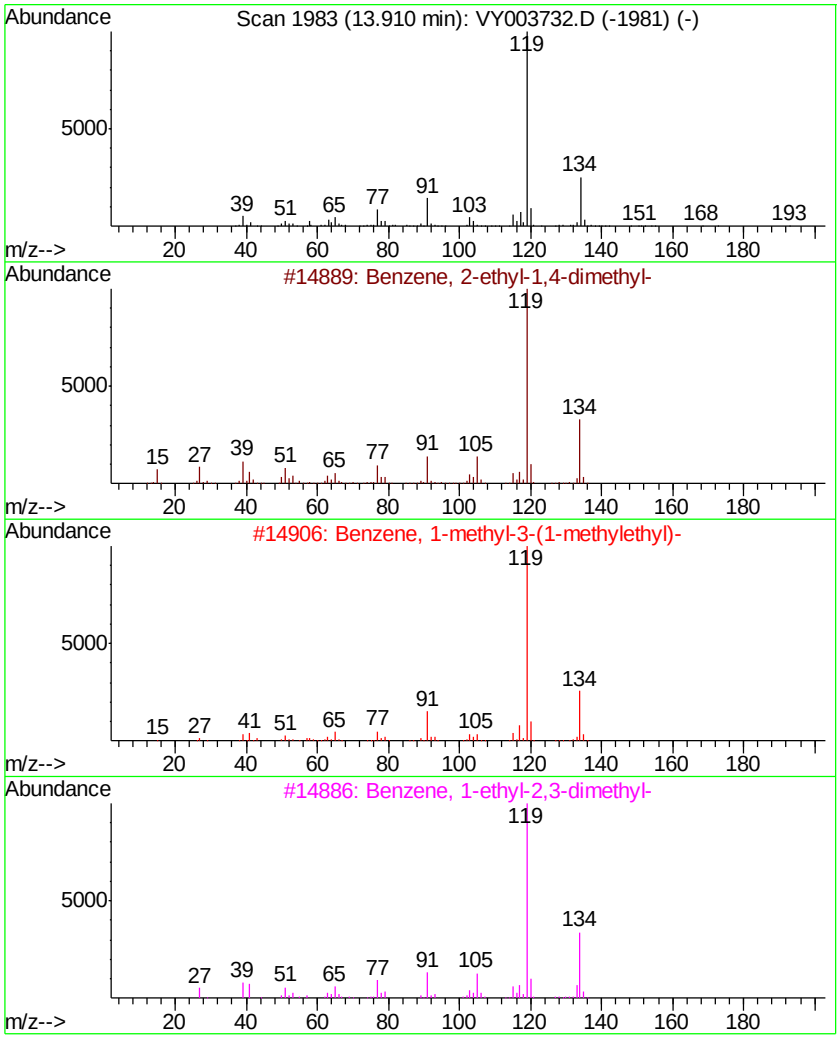
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

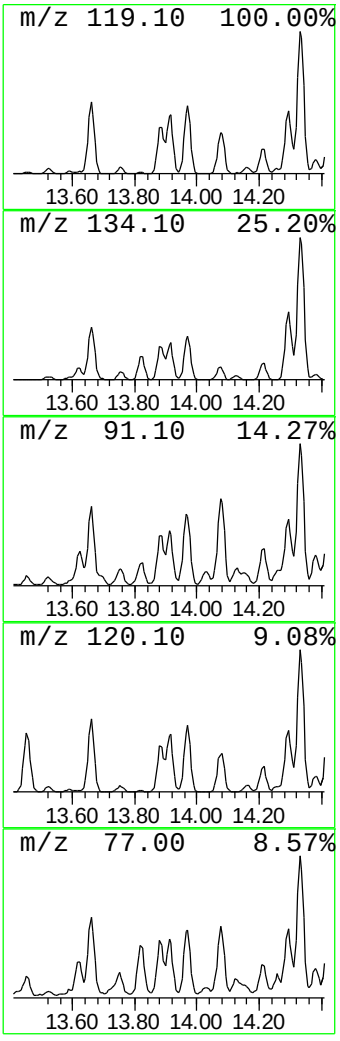
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, 1-methyl-3-(1-meth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	51.69 ug/L	593669	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





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Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

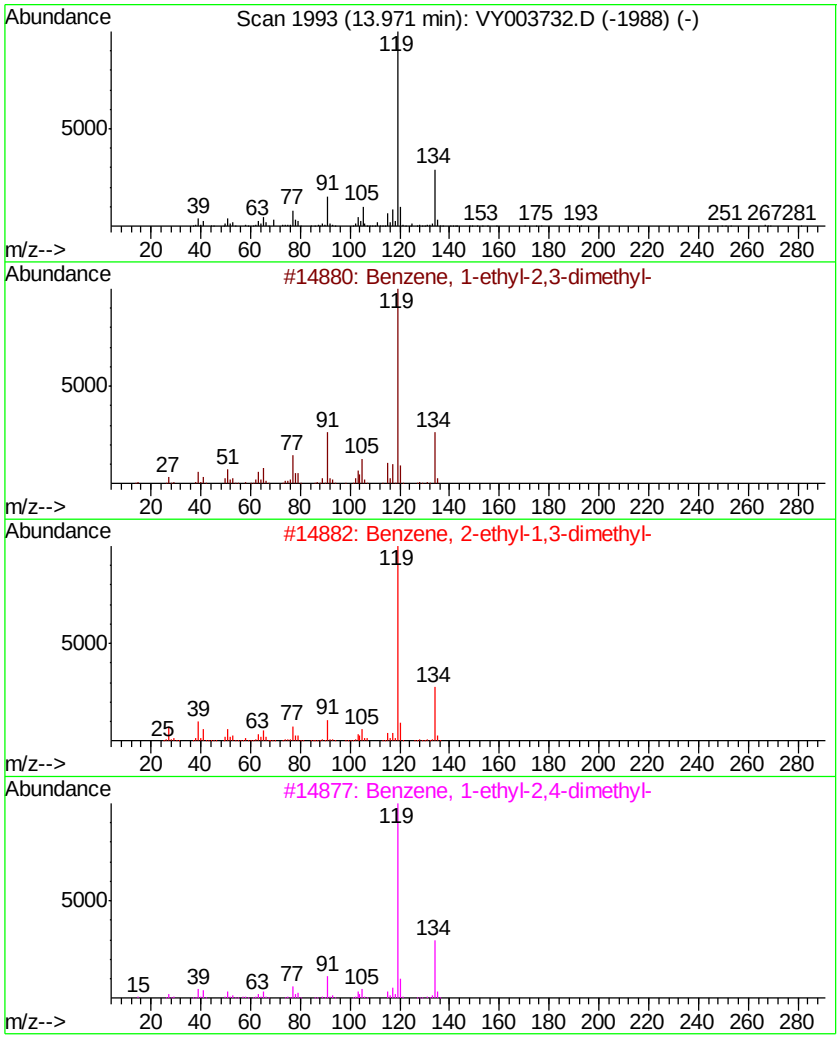
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

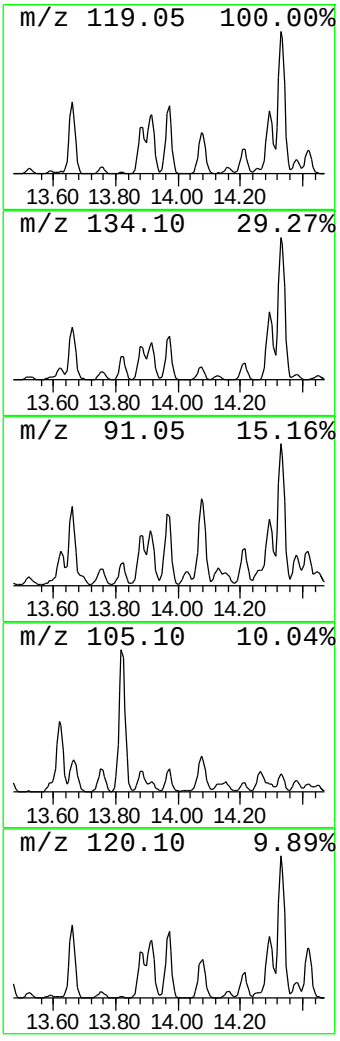
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	79.54 ug/L	913529	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

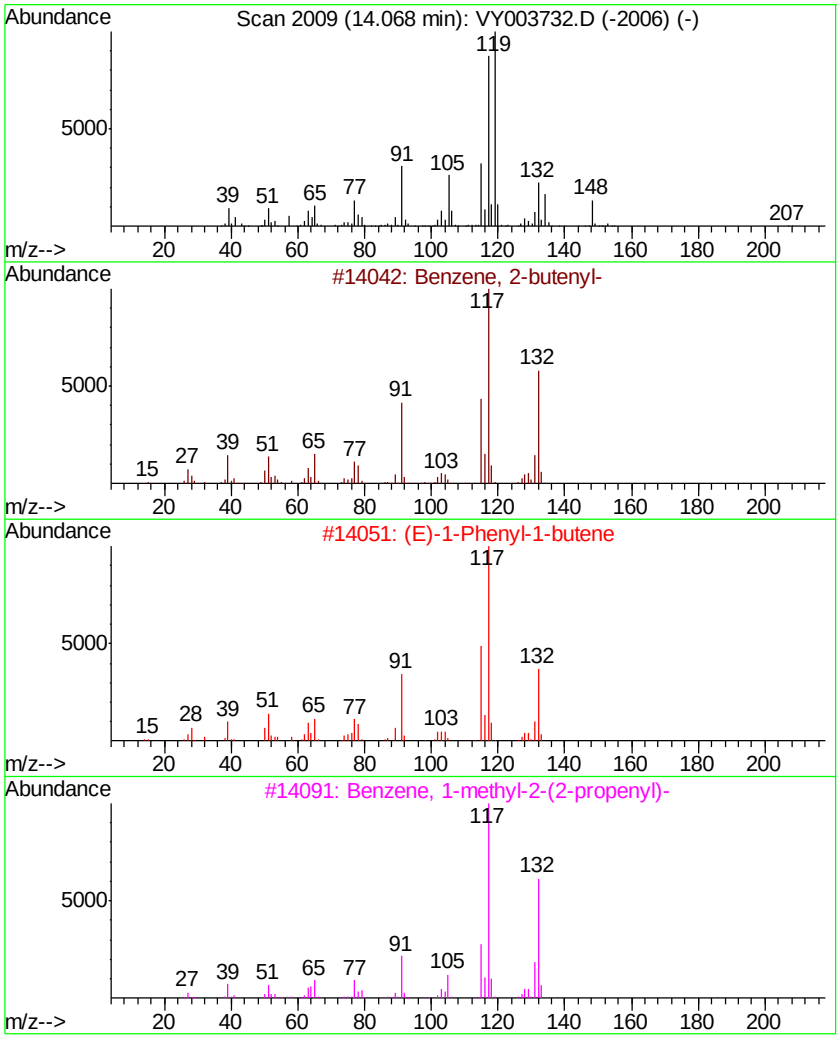
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

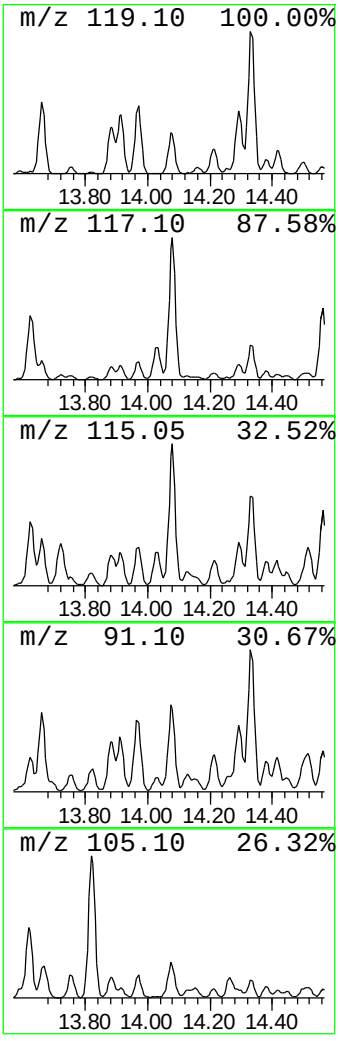
****

Peak Number 27 Benzene, 2-butenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	98.76 ug/L	1134310	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	55
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	55
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	55
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55





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Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

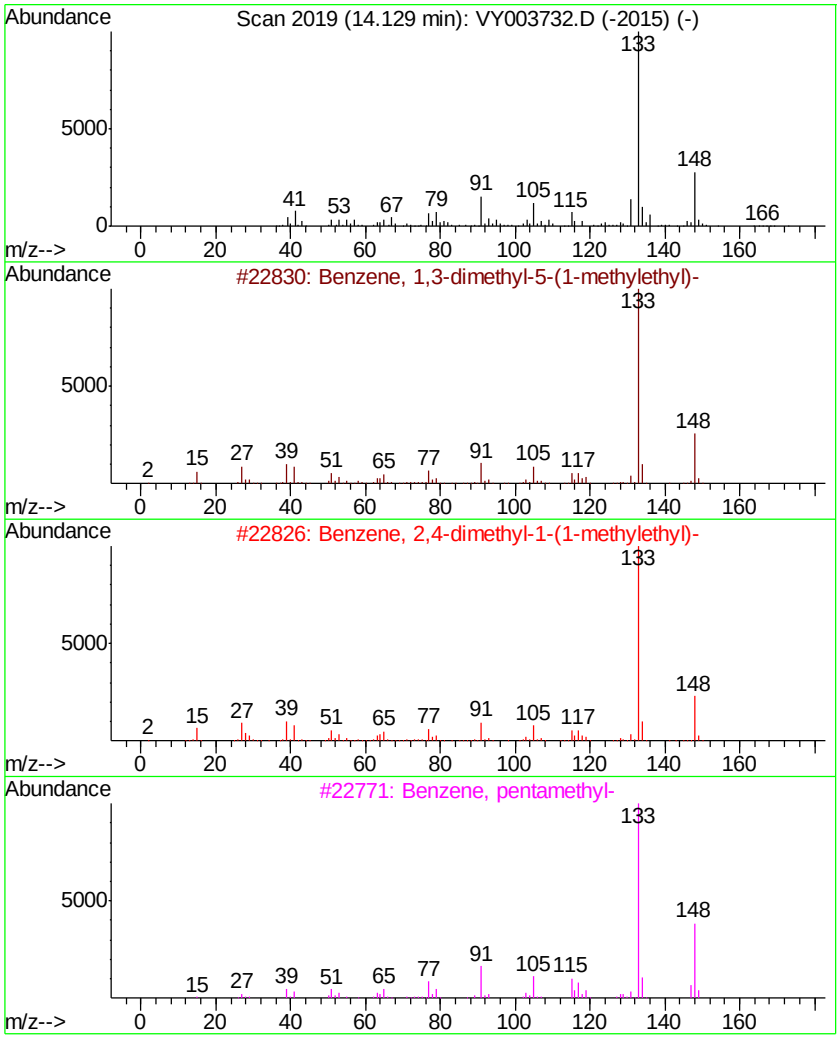
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

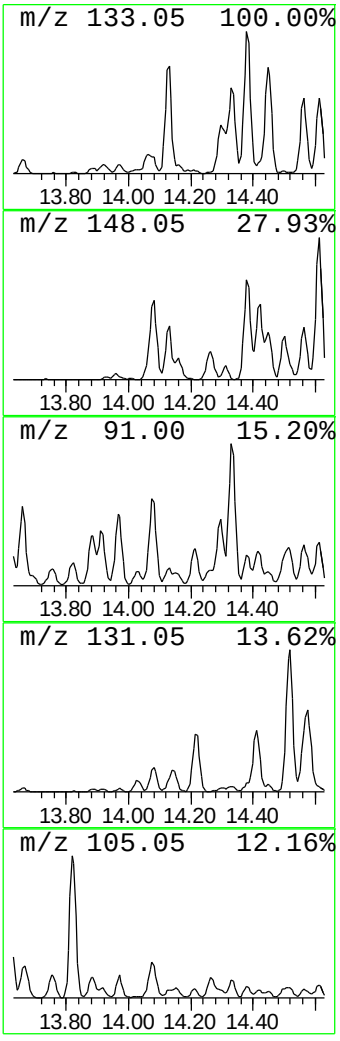
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	38.24 ug/L	439248	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	90
2	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	87
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	87
4	3,4-Dimethylcumene	148	C11H16	1000370-34-1	86
5	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	80





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Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

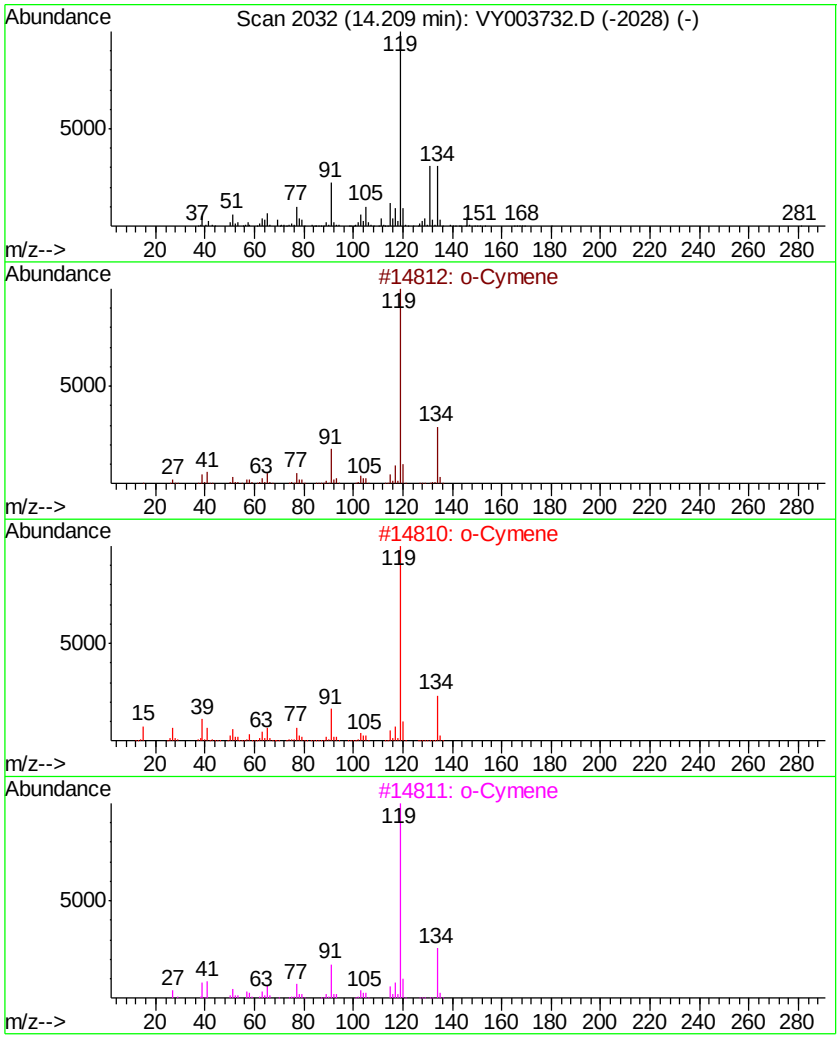
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

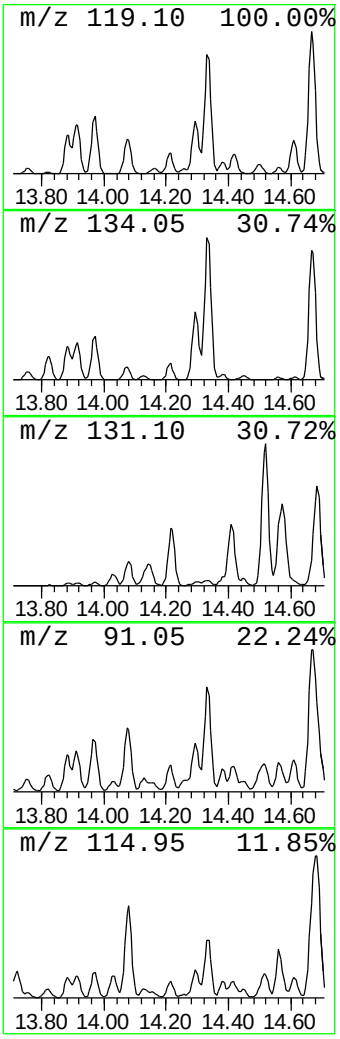
****

Peak Number 29 o-Cymene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	34.61 ug/L	397523	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	91
2	o-Cymene	134	C10H14	000527-84-4	91
3	o-Cymene	134	C10H14	000527-84-4	91
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	83
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	83





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Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

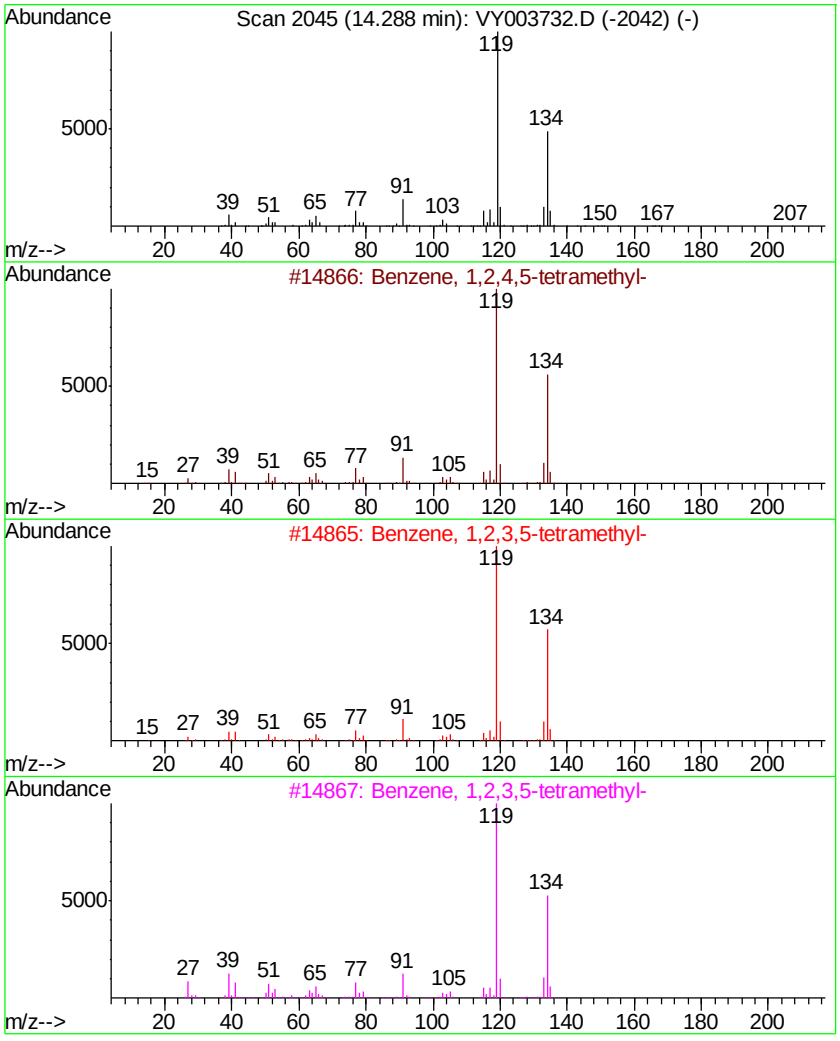
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

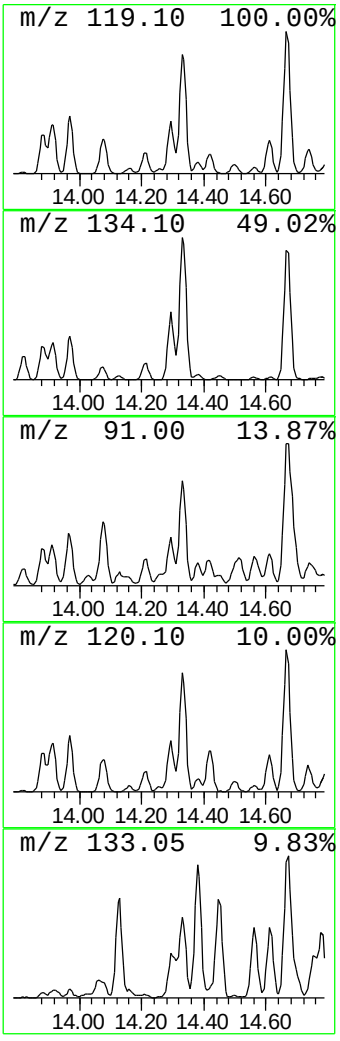
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	64.71 ug/L	743225	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





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Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

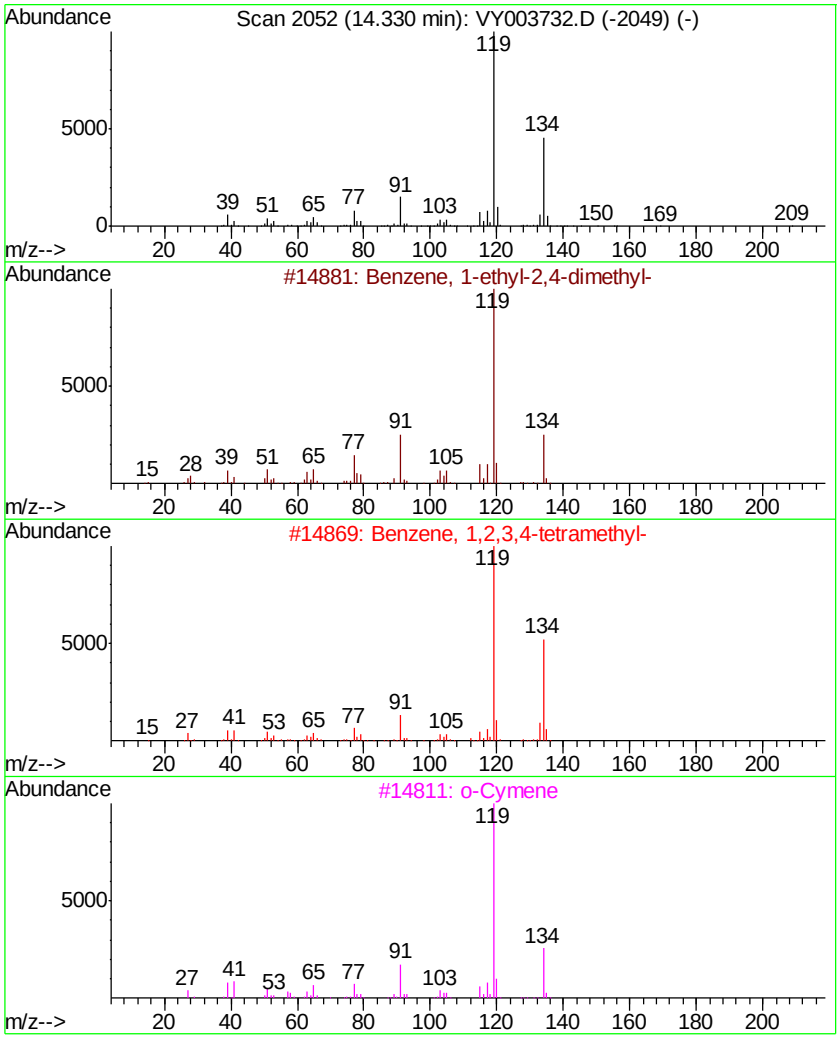
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

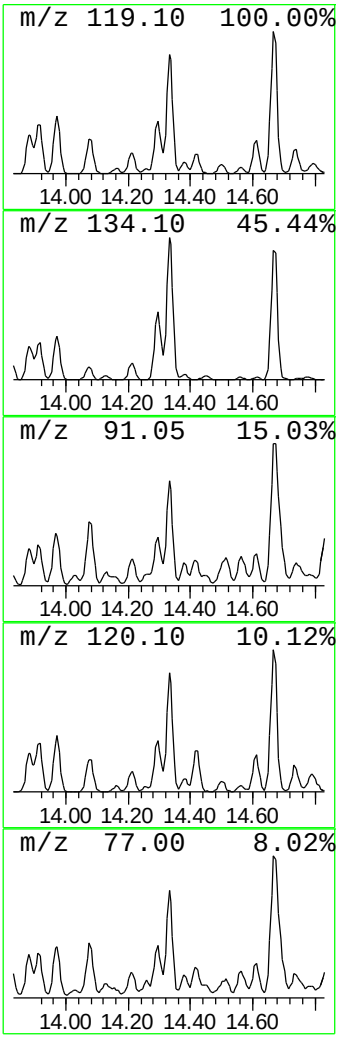
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	156.72 ug/L	1800020	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

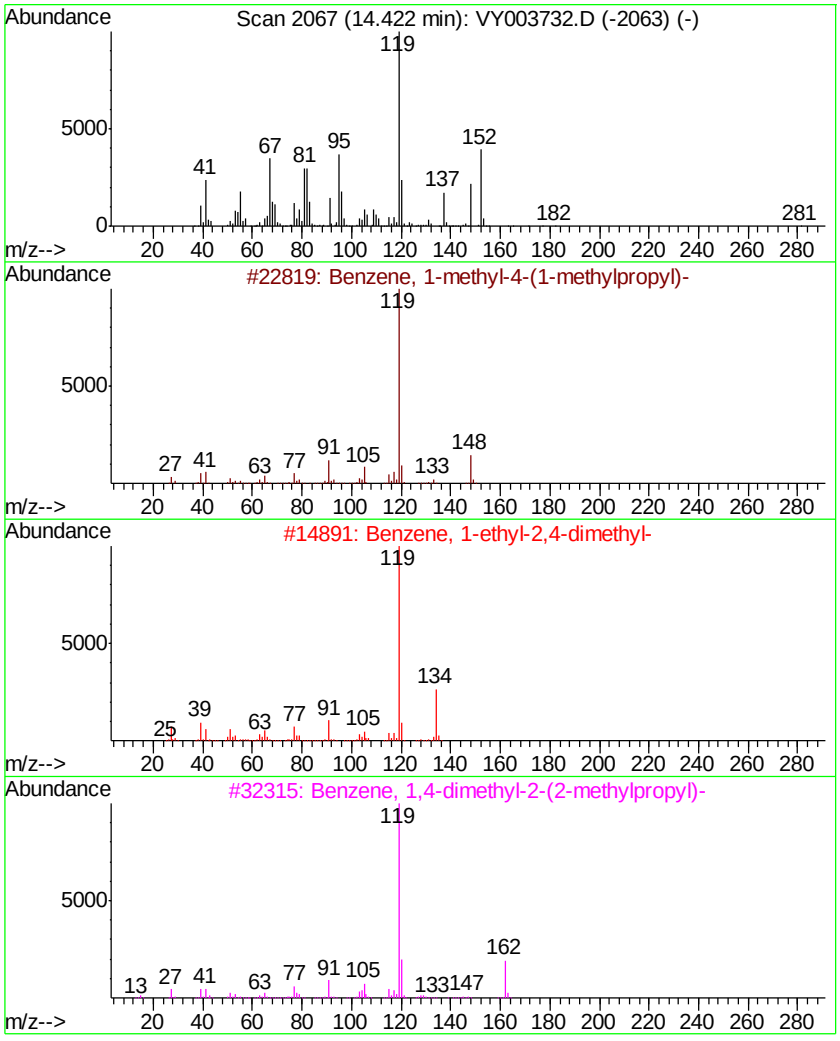
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

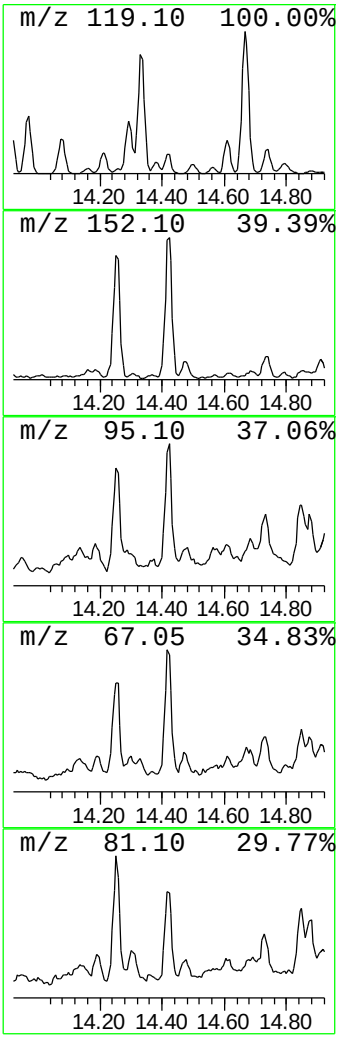
****

Peak Number 34 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	44.56 ug/L	511792	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	30
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	27
3	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	27
4	Benzoic acid, 2,5-dimethyl-, (2,...	268	C18H20O2	055000-48-1	27
5	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	27





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

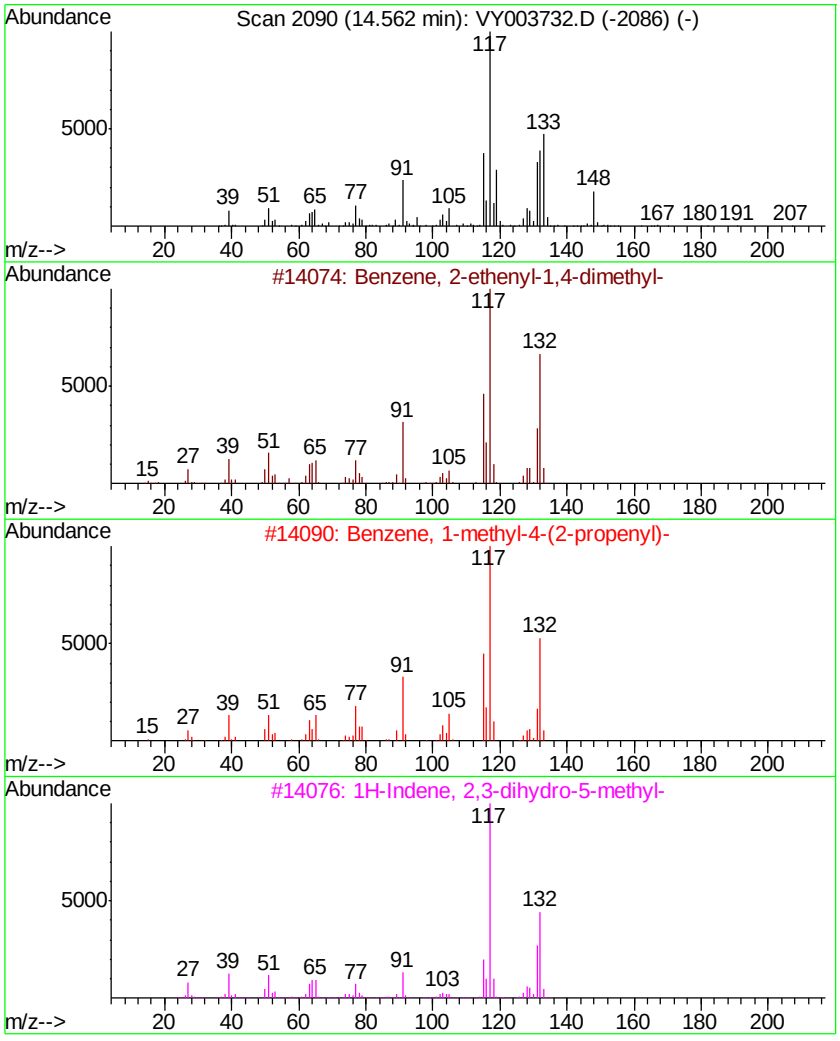
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

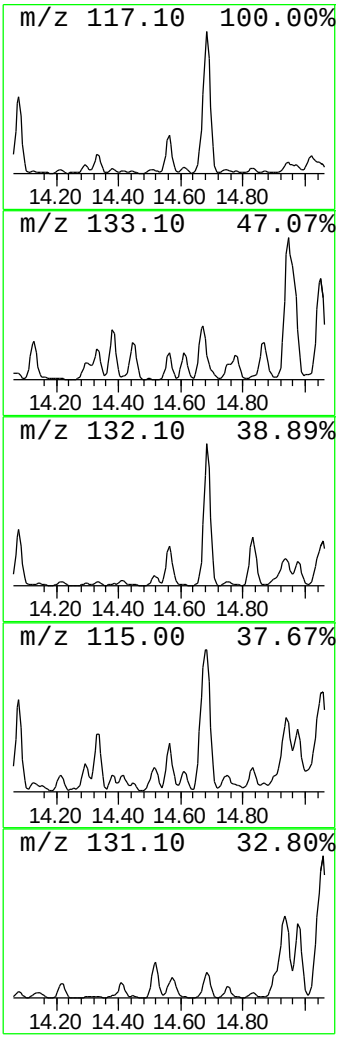
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	52.46 ug/L	602506	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	86
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	58
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	58





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

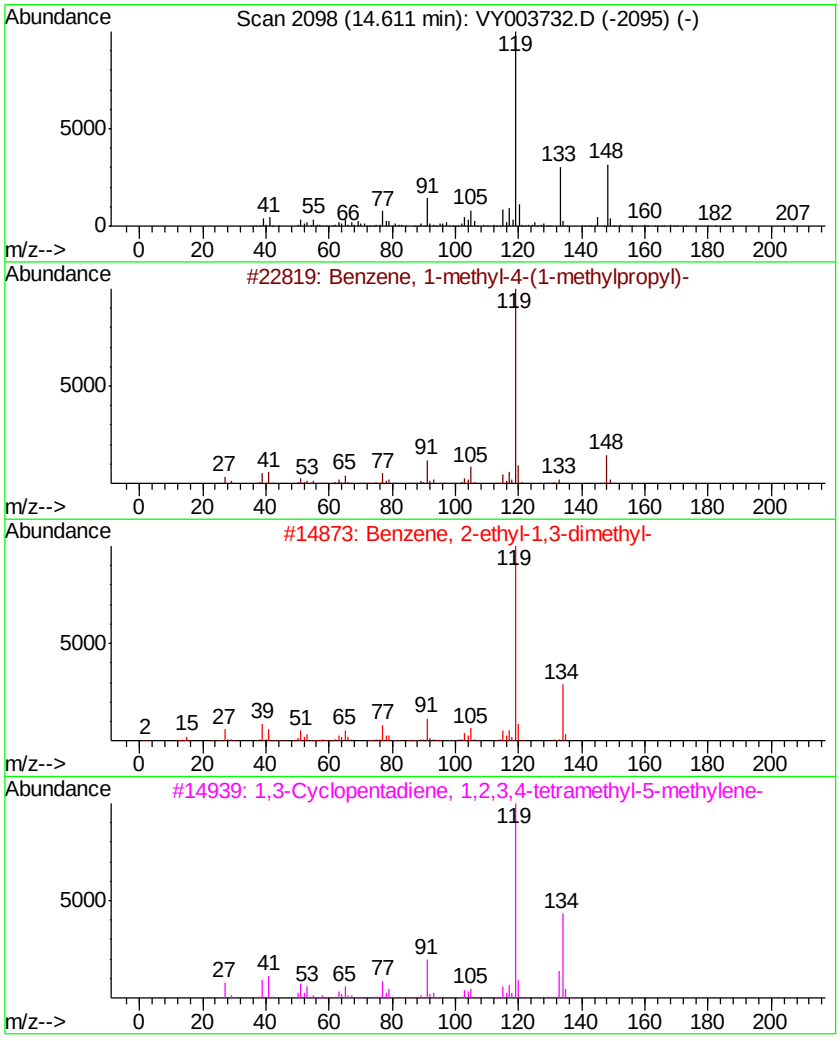
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

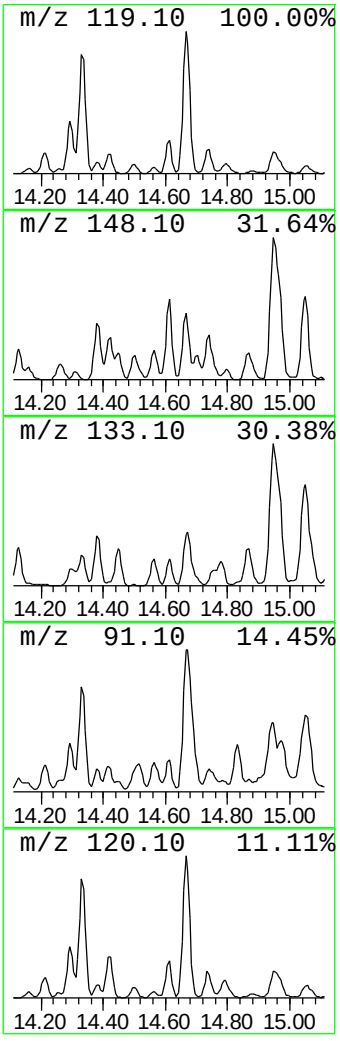
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzene, 1-methyl-4-(1-meth... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	44.77 ug/L	514219	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	93
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	62





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Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

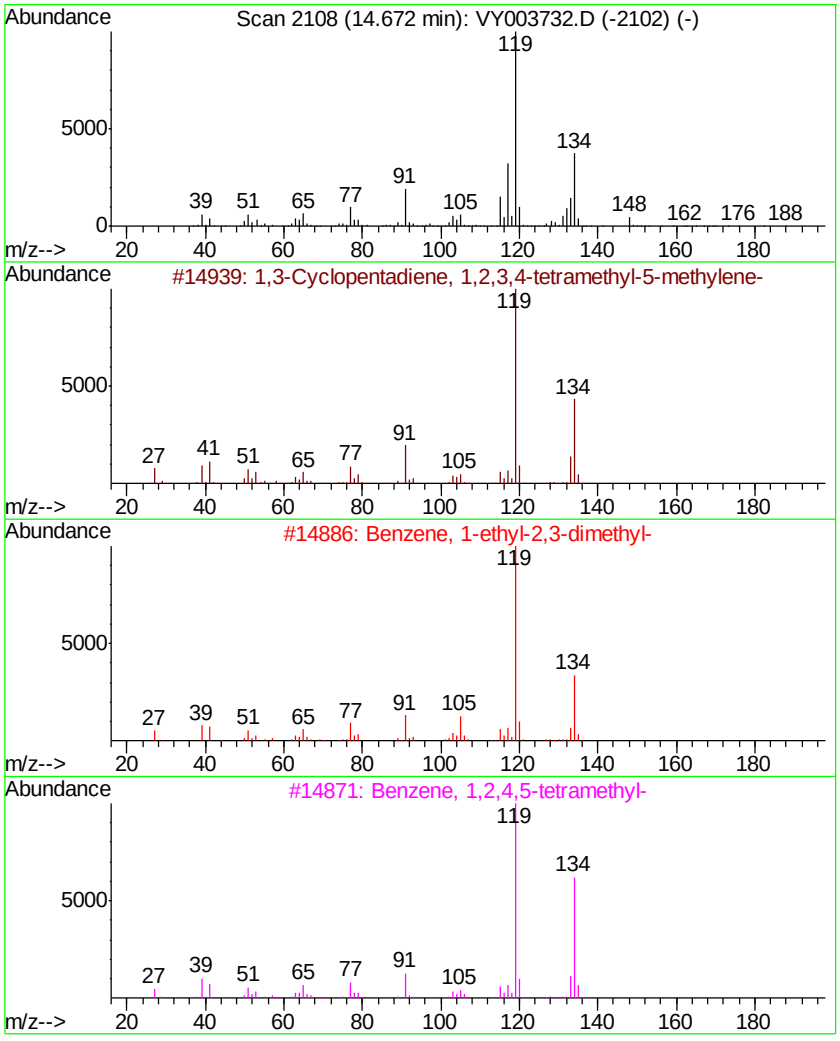
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

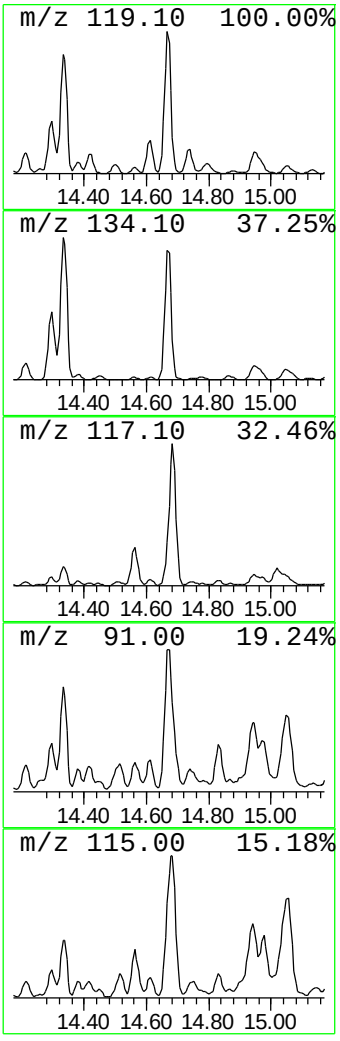
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	335.74 ug/L	3856220	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

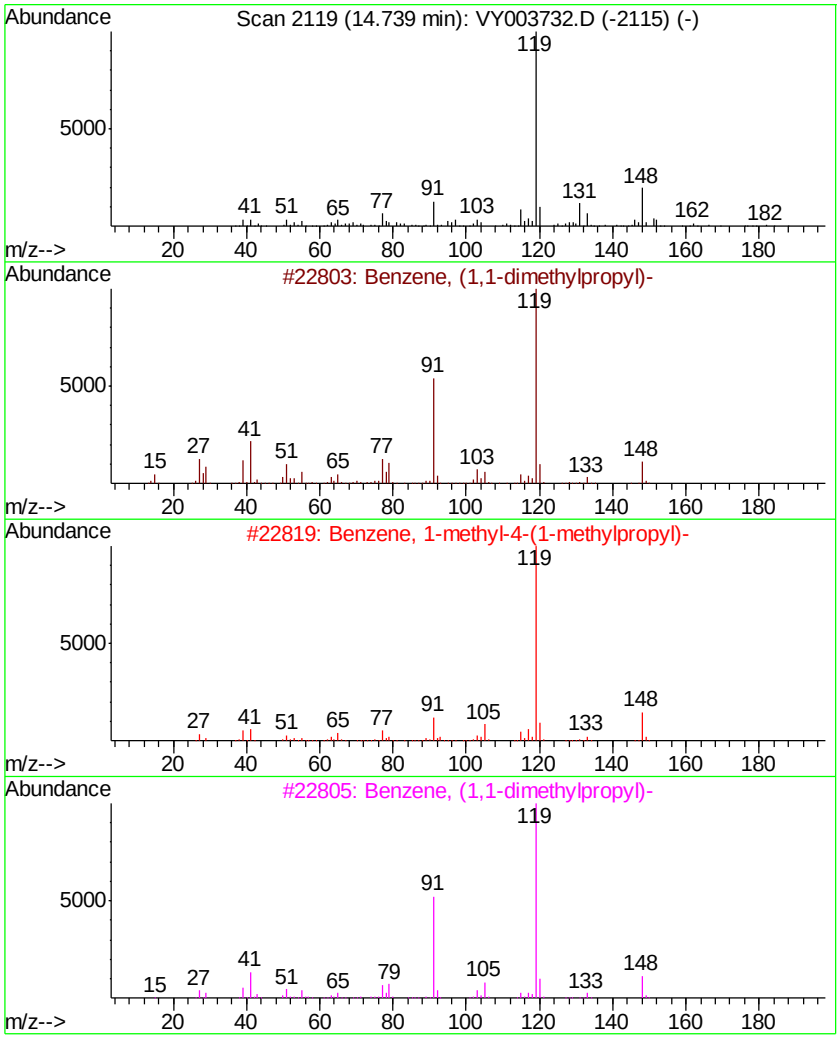
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

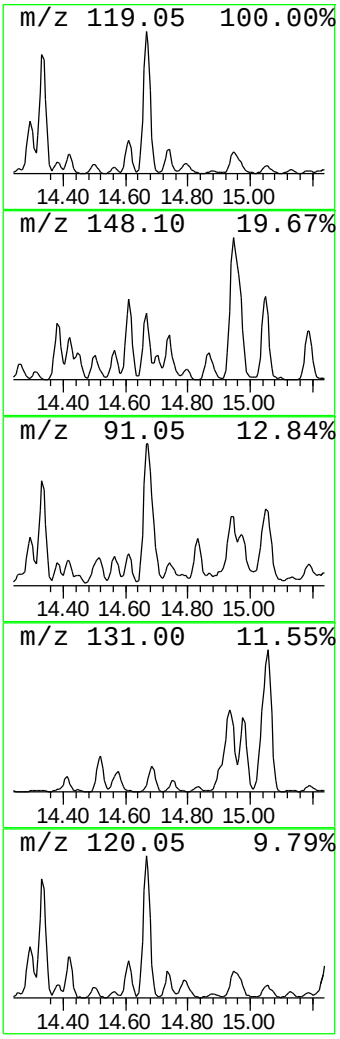
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, (1,1-dimethylpropyl)- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	34.73 ug/L	398869	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	74
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	68
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
4	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	59
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	50





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Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

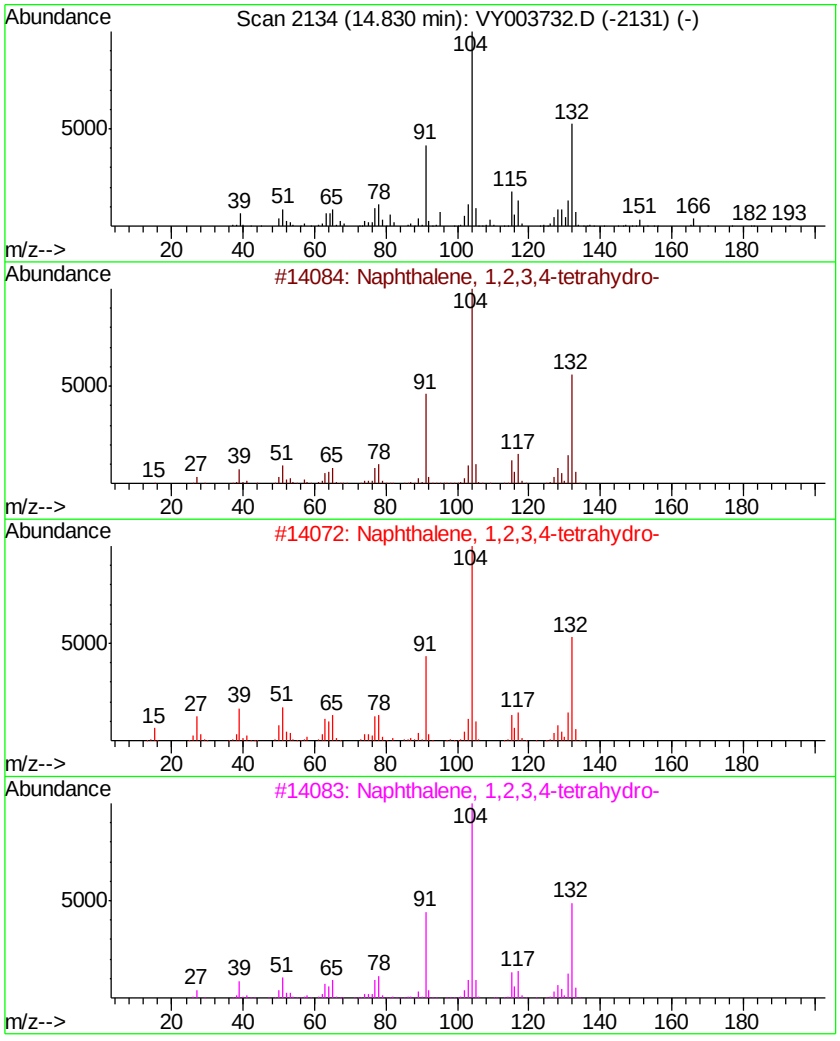
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

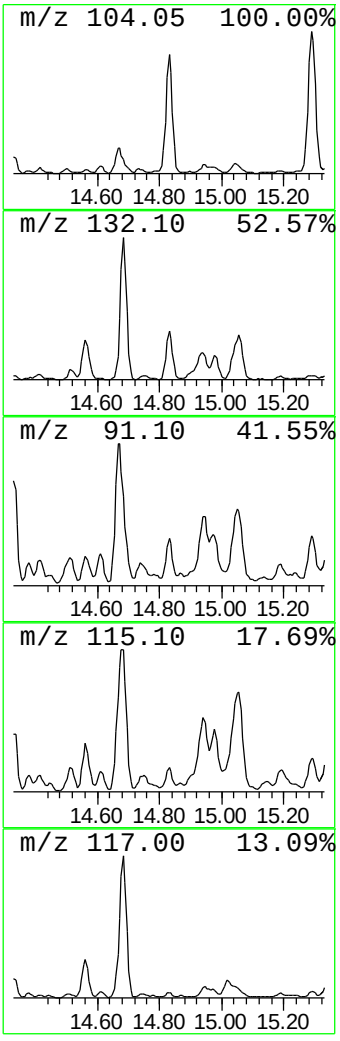
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	31.08 ug/L	356988	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
5	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	53





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Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

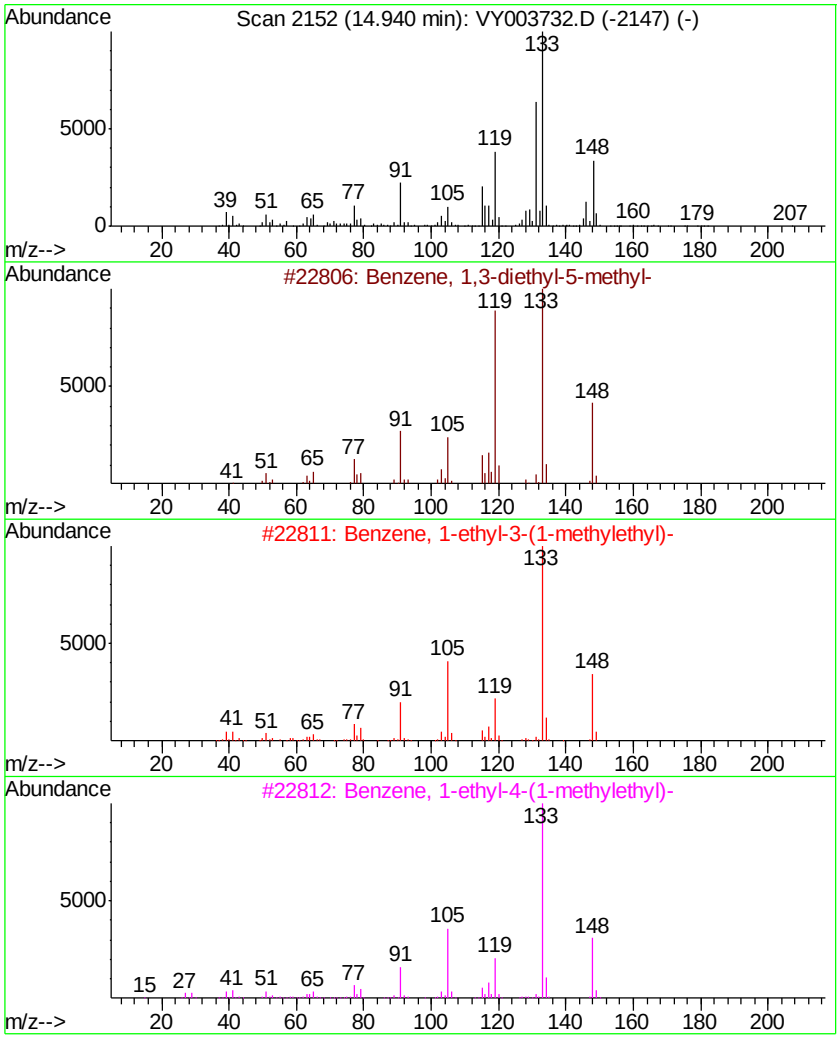
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

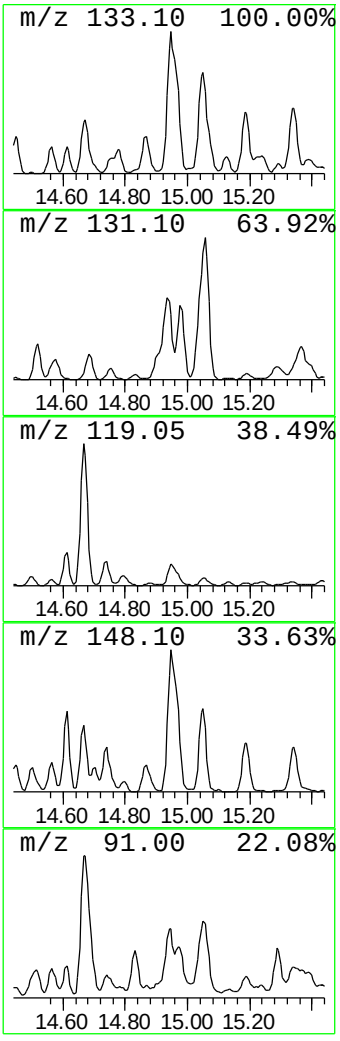
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	132.64 ug/L	1523430	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	55
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	53
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	53
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	51
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

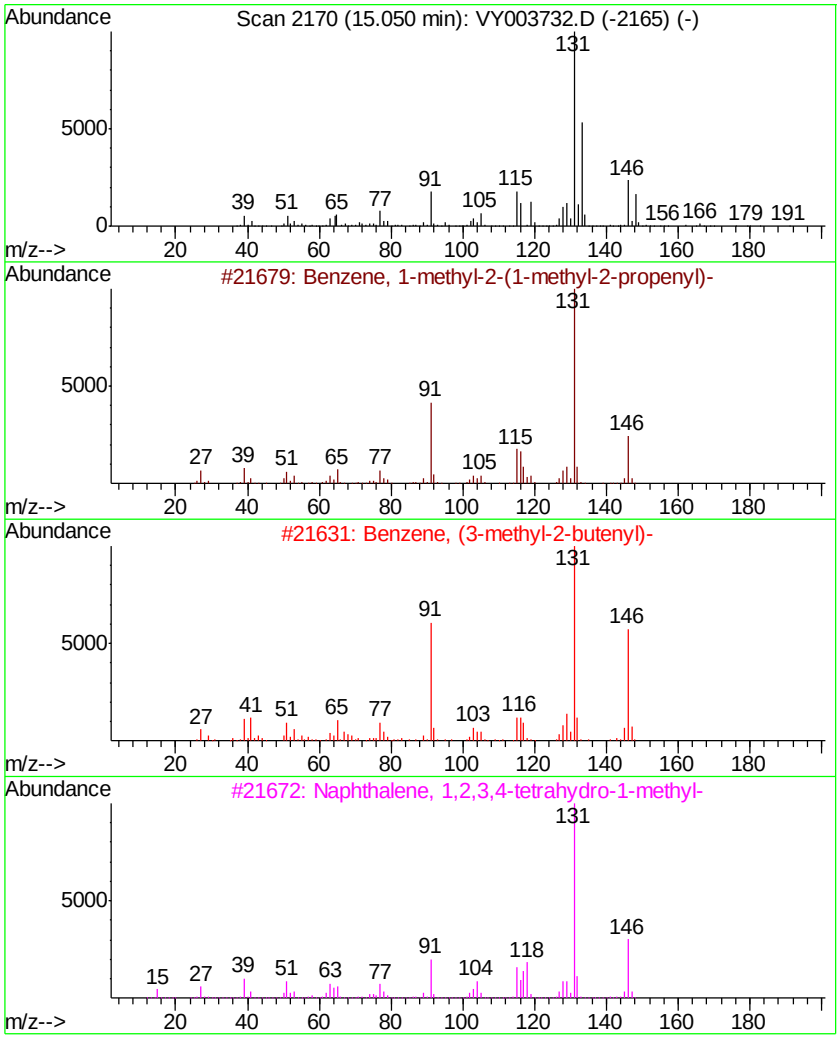
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

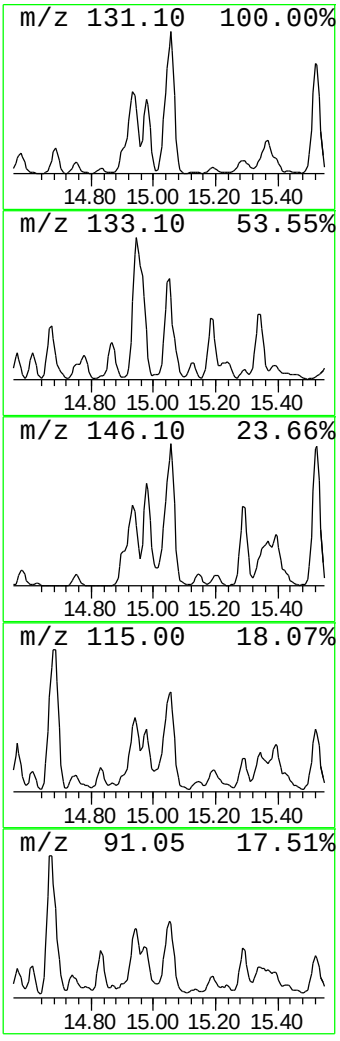
****

Peak Number 41 Benzene, 1-methyl-2-(1-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	208.29 ug/L	2392370	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	70
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	64
5	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	64





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

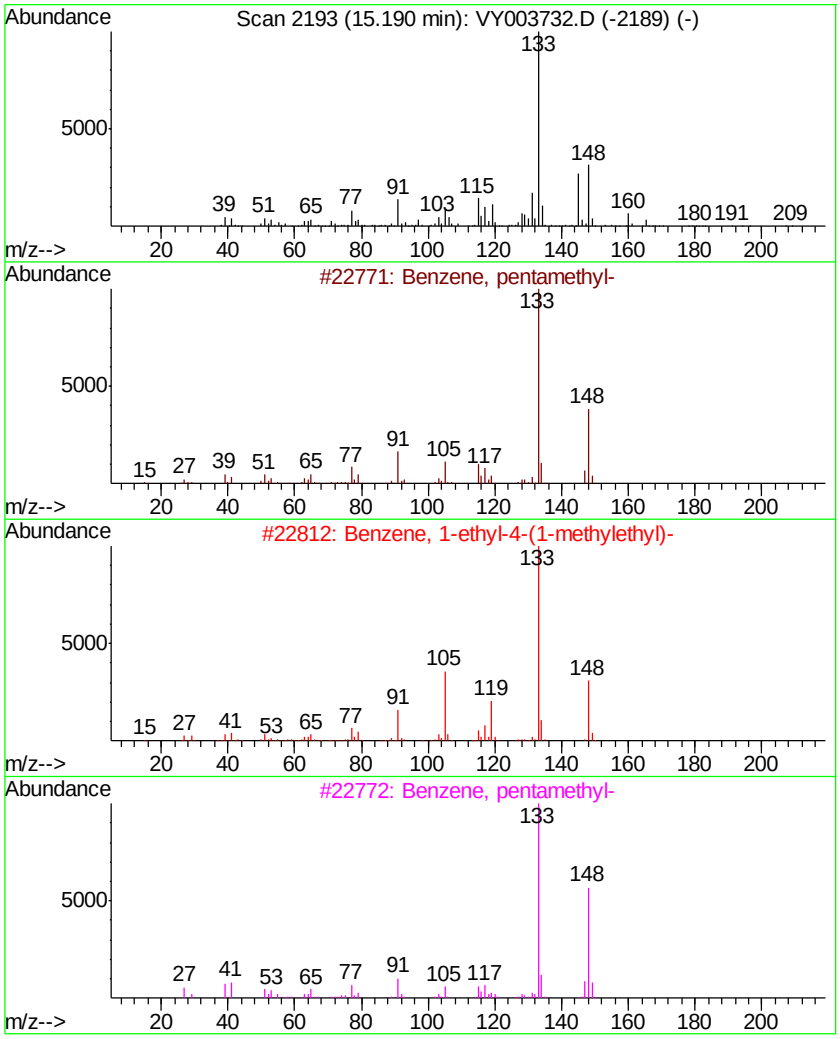
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

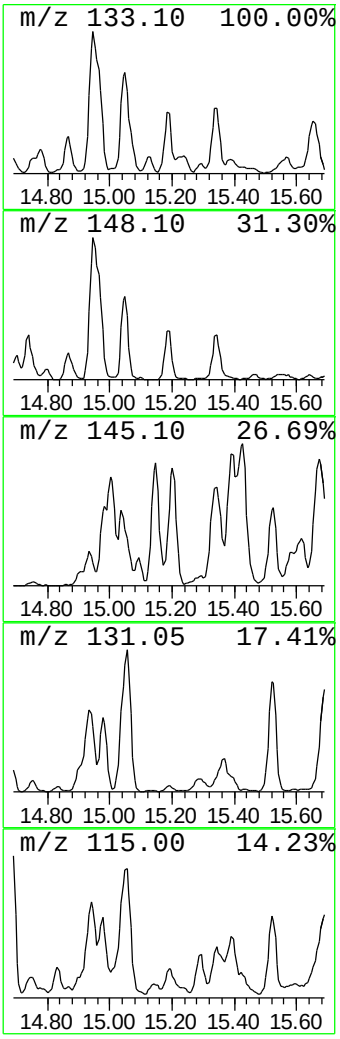
****

Peak Number 42 Benzene, pentamethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	43.89 ug/L	504075	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	70
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	68
4	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	64
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64





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Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

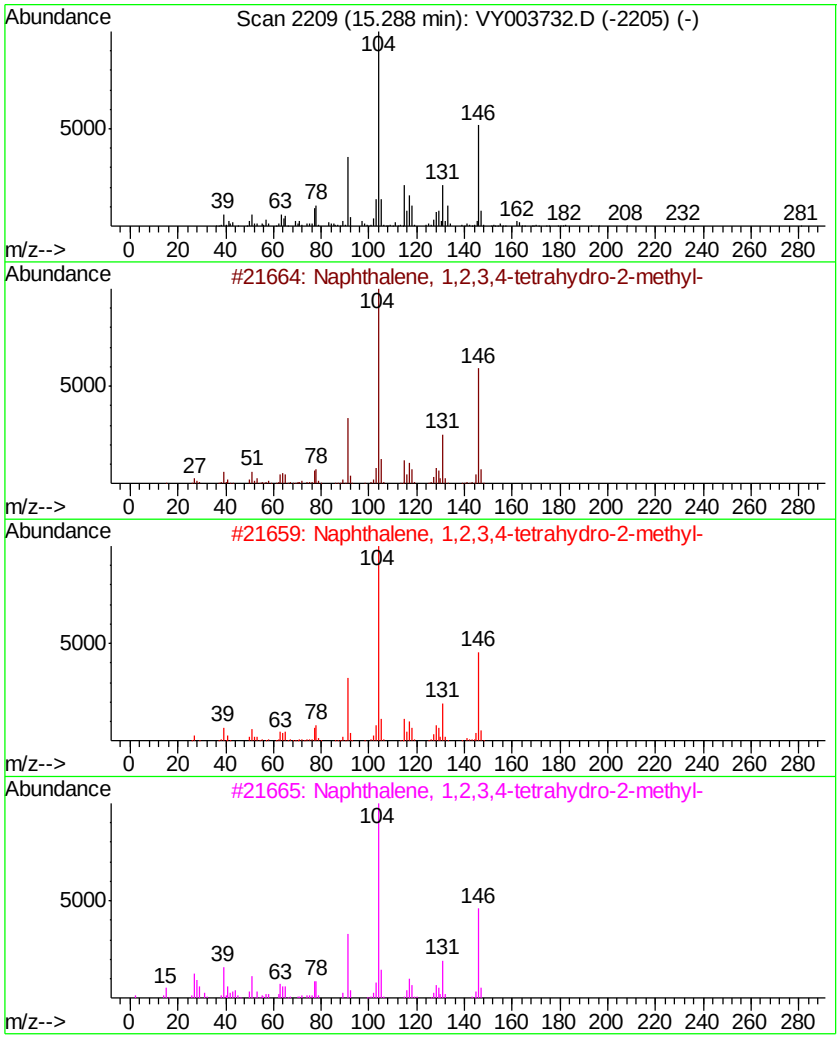
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

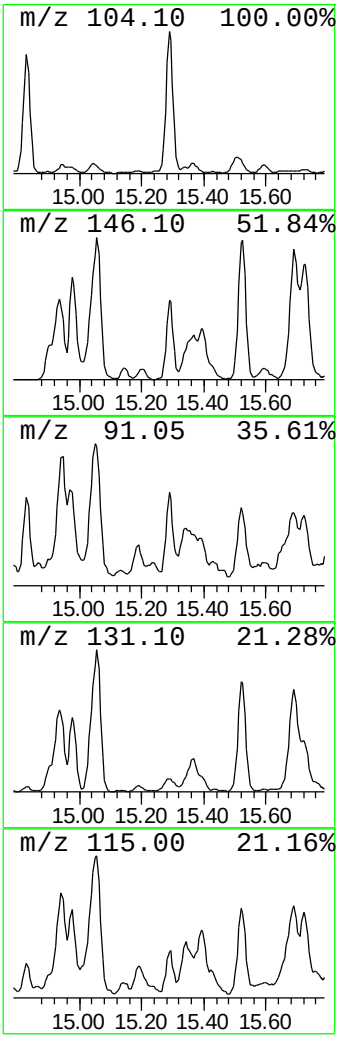
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	51.40 ug/L	590382	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	74
5	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	64





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Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

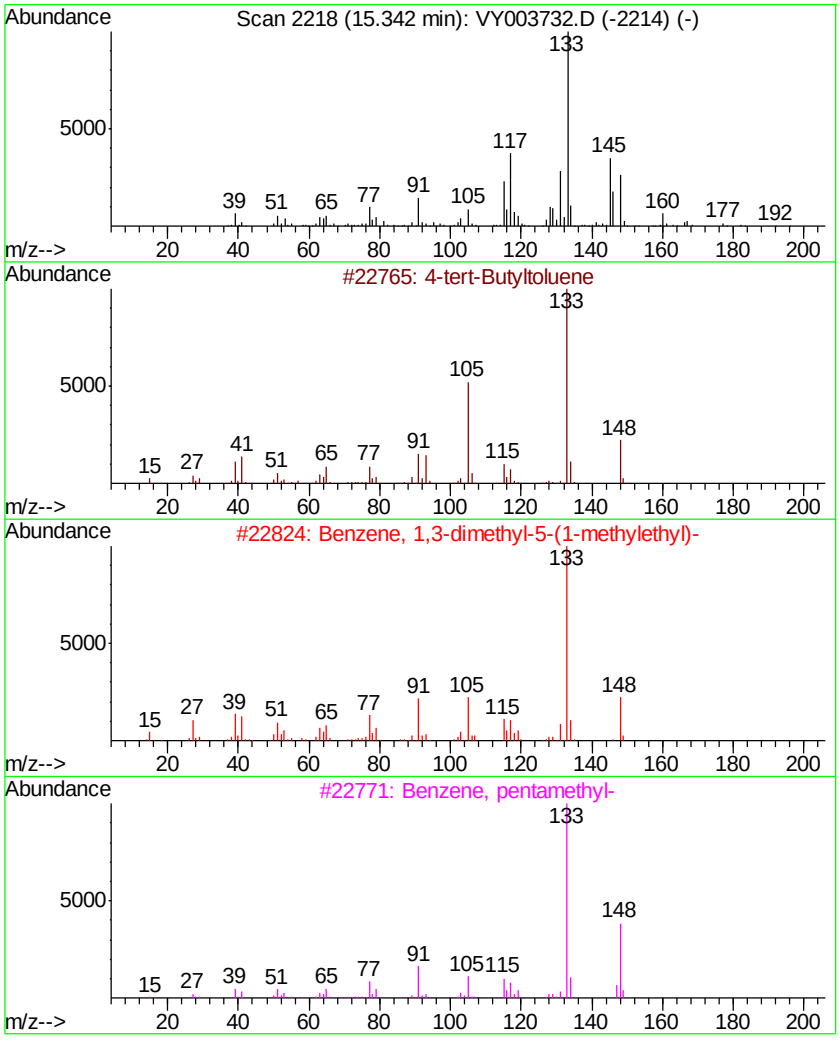
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

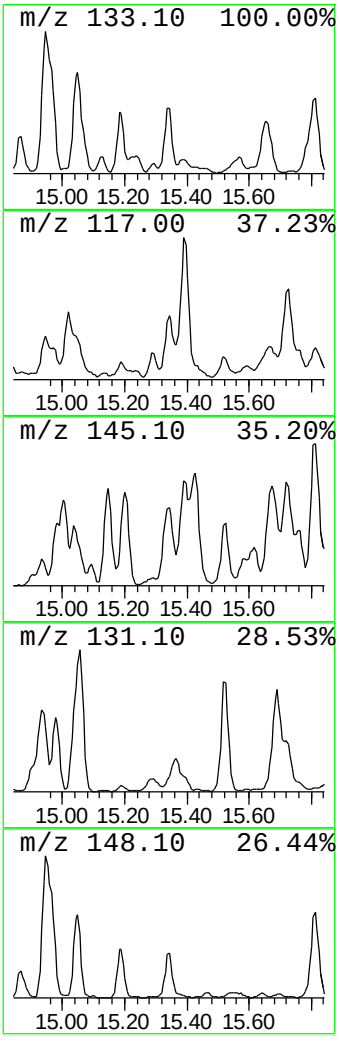
****

Peak Number 44 unknown-02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	59.32 ug/L	681303	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-tert-Butyltoluene	148	C11H16	000098-51-1	49
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	49
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	46
4	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	46
5	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	46





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

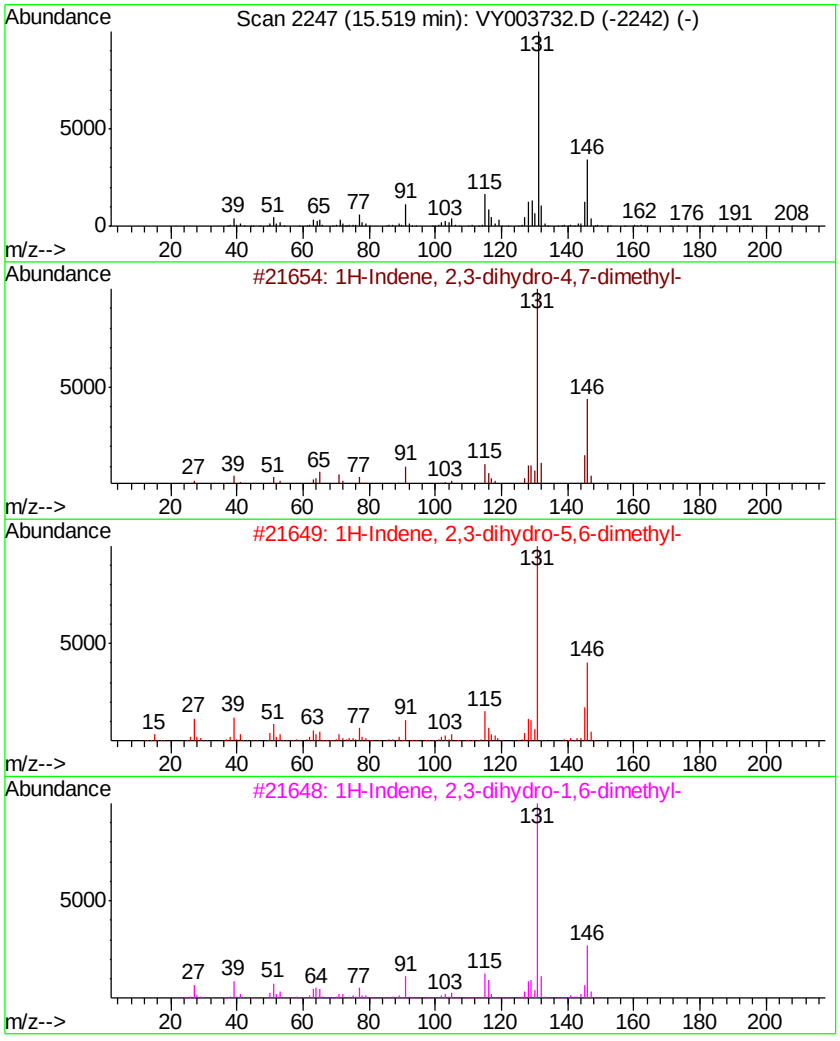
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

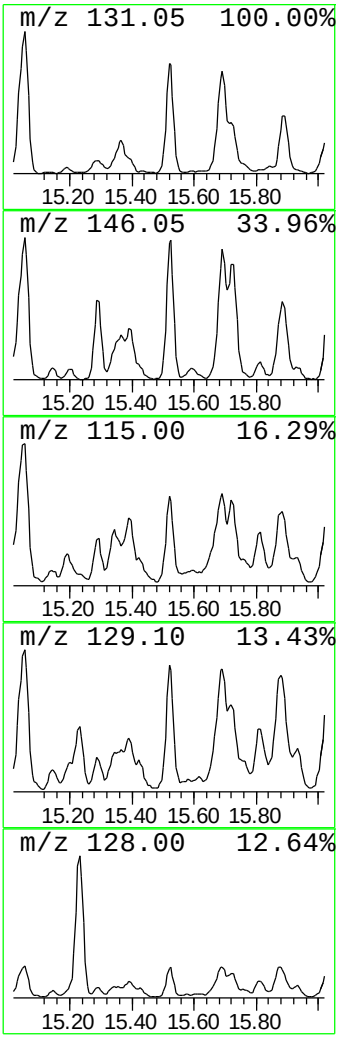
****

Peak Number 45 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	119.35 ug/L	1370780	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	96
2	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	94
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

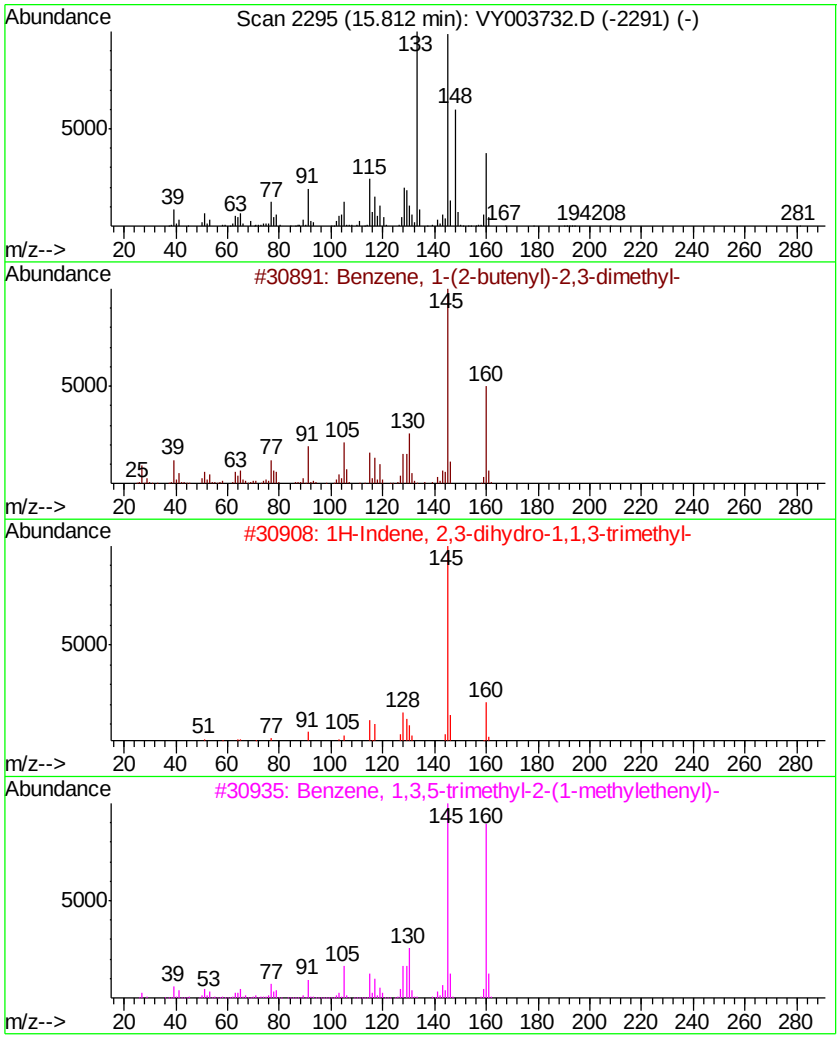
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

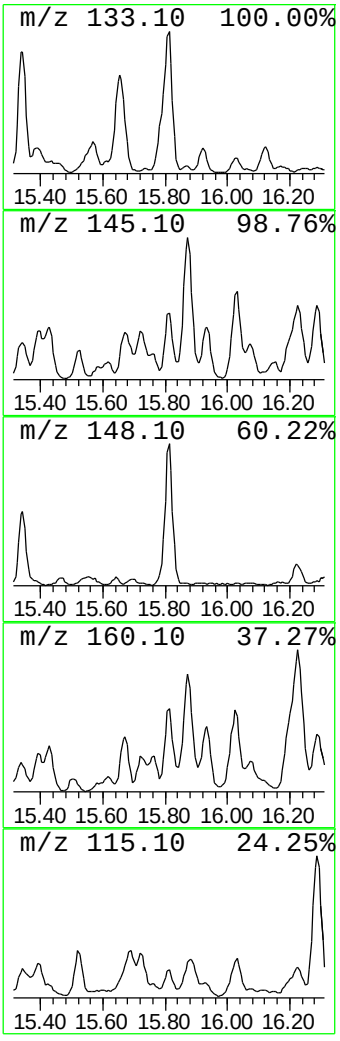
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 Benzene, 1-(2-butenyl)-2,3-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	67.87 ug/L	779537	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	70
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	70
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	55
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

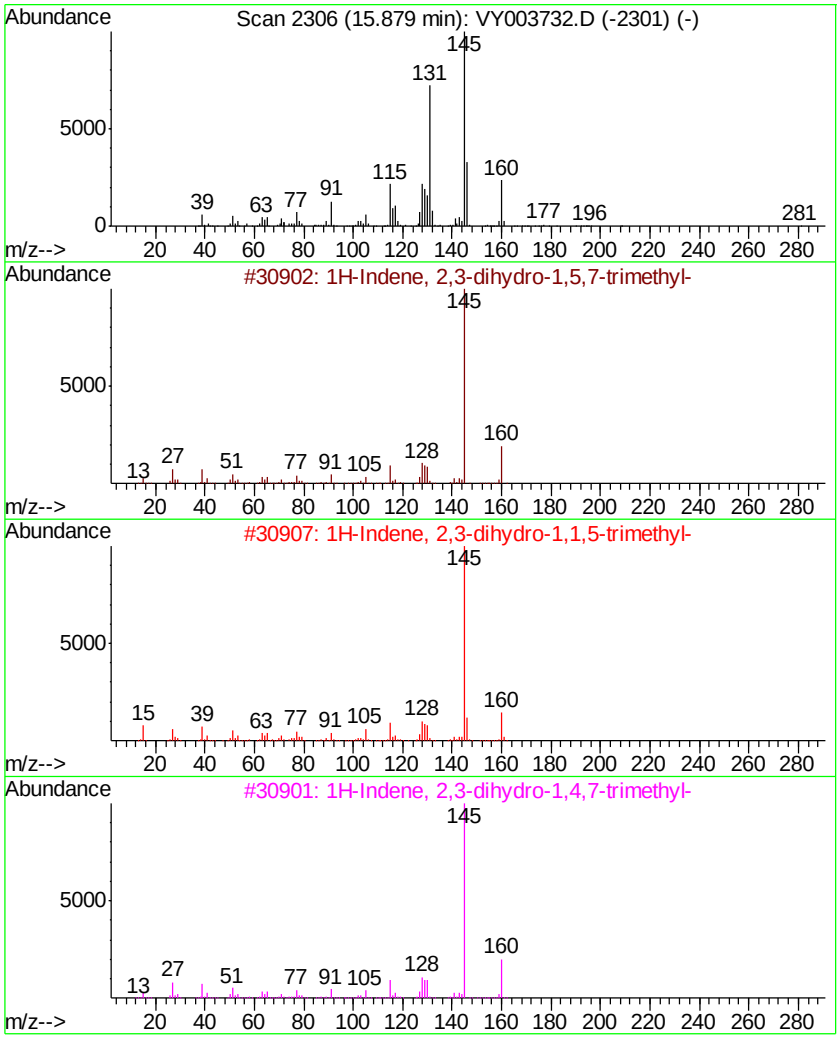
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

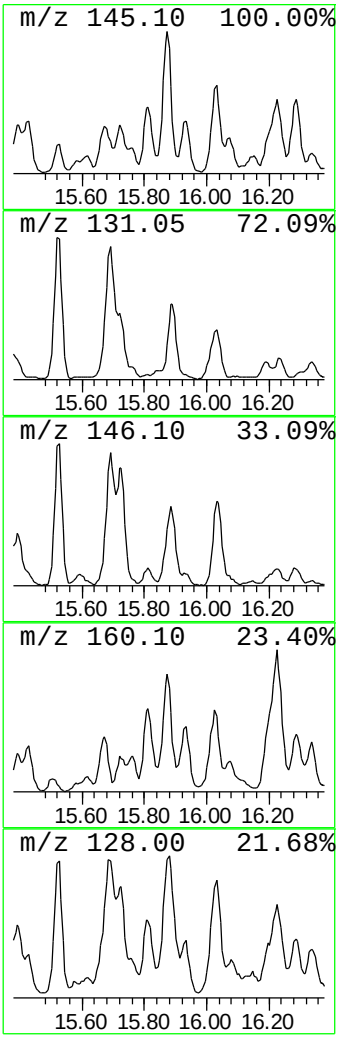
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 1H-Indene, 2,3-dihydro-1,5,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	98.37 ug/L	1129860	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	70
2	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	70
3	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	70
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	58
5	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

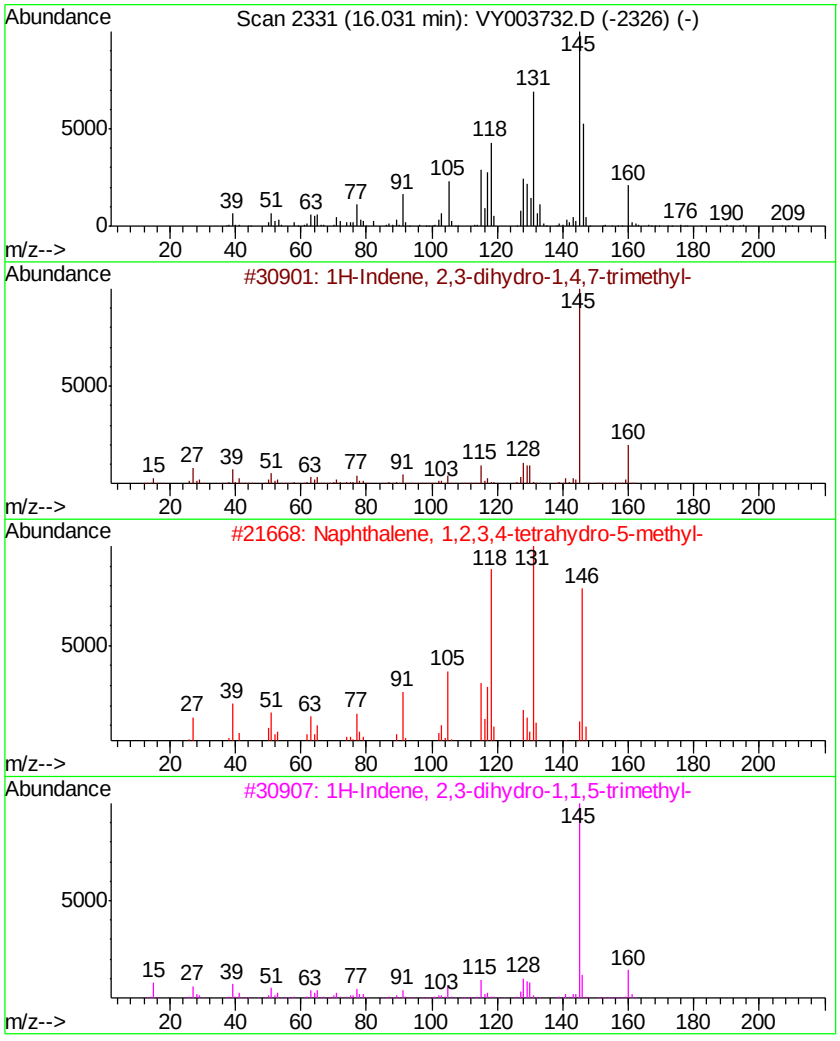
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

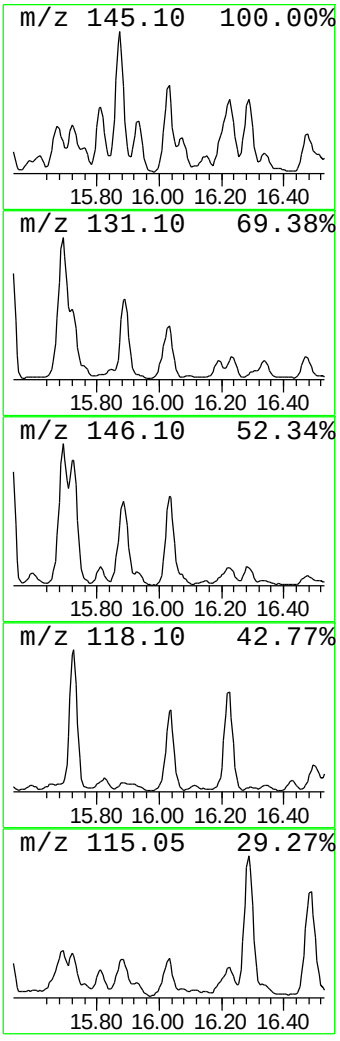
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 1H-Indene, 2,3-dihydro-1,4,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	83.71 ug/L	961460	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	64
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	50
3	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	50
4	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	50
5	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

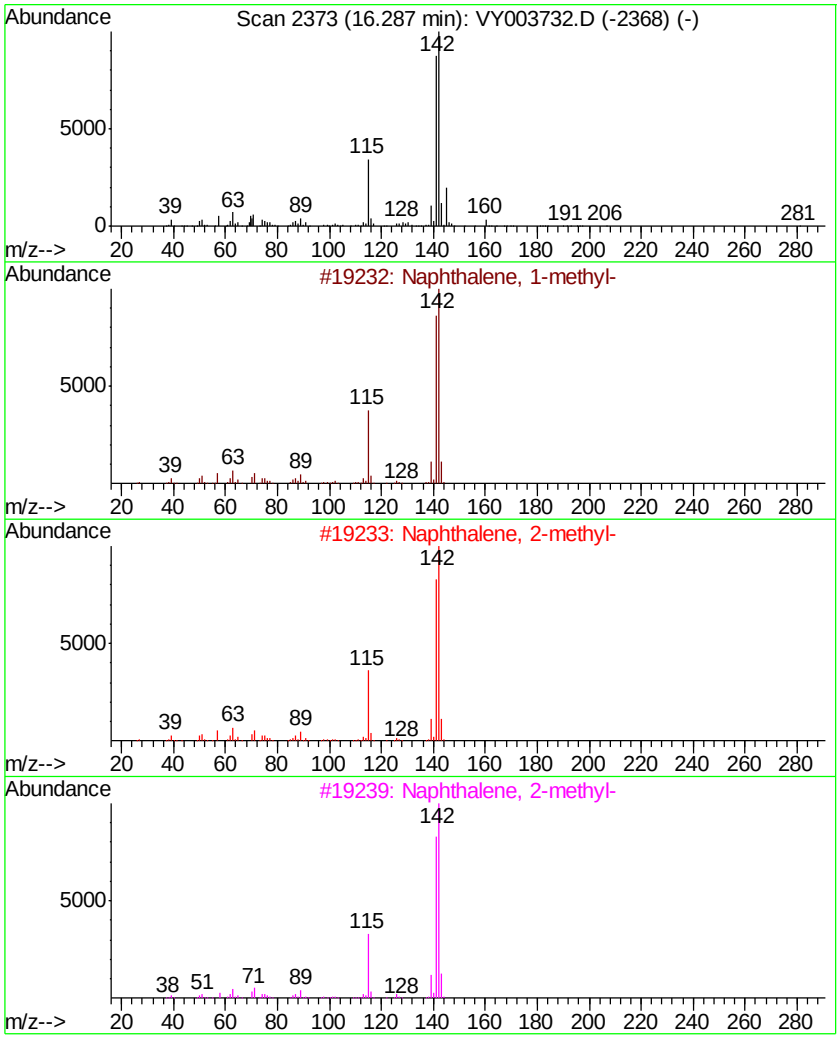
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

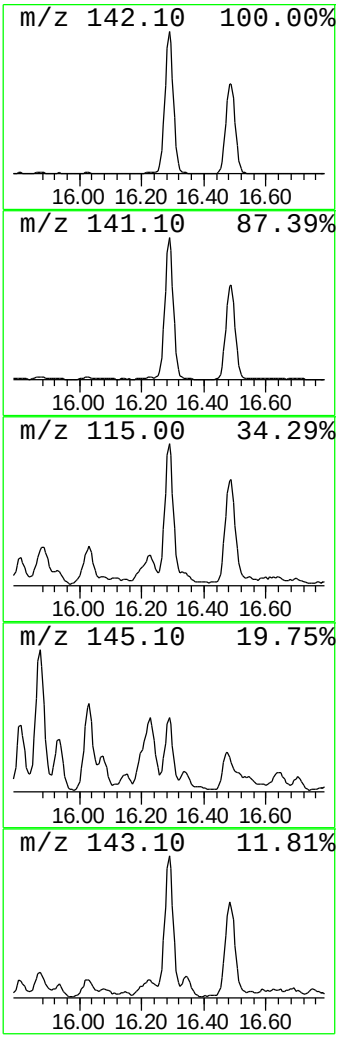
****

Peak Number 49 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	184.00 ug/L	2113380	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

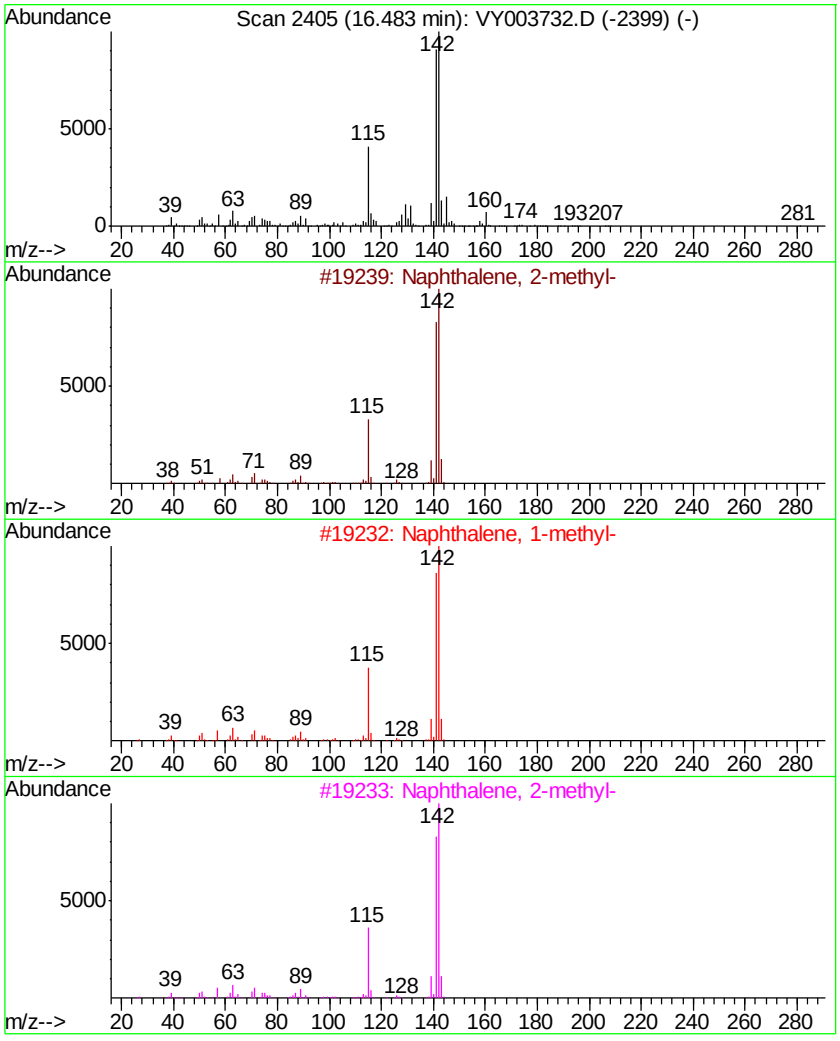
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

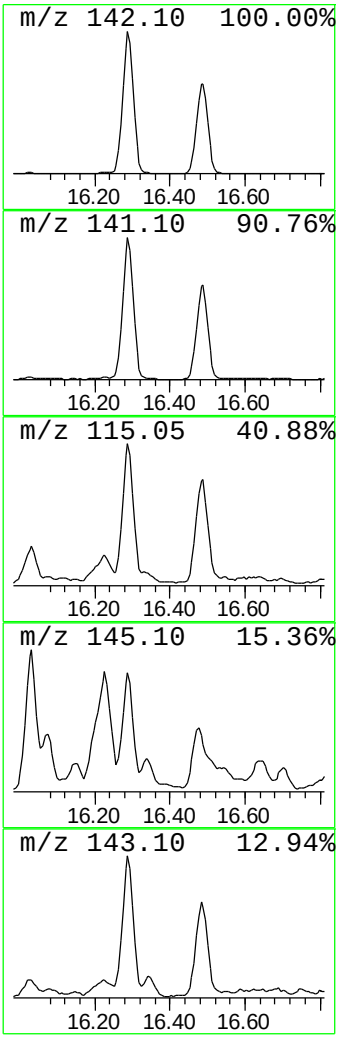
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 1,4-Methanonaphthalene, 1,4... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	210.76 ug/L	2420760	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
Data File : VY003732.D
Acq On : 11 Dec 2020 17:12
Operator : SY/MD
Sample : L5063-04
Misc : 4.09G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.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: Cyc...	11.09	1.8	ug/L	47974	2	11.49	651790	25.0
(DEL) Alkane: Cyc...	11.30	3.6	ug/L	92726	2	11.49	651790	25.0
(DEL) Alkane: Str...	11.84	1.5	ug/L	38113	2	11.49	651790	25.0
(DEL) Alkane: Str...	12.23	4.7	ug/L	122559	2	11.49	651790	25.0
(DEL) Alkane: Str...	12.64	28.9	ug/L	331620	3	13.42	287141	25.0
Mesitylene	12.81	91.9	ug/L	1055210	3	13.42	287141	25.0
Benzene, 1-ethyl-...	12.97	53.1	ug/L	609383	3	13.42	287141	25.0
(DEL) Alkane: Str...	13.56	9.0	ug/L	102957	3	13.42	287141	25.0
Benzene, 1-propenyl-	13.62	47.6	ug/L	546544	3	13.42	287141	25.0
Benzene, 1-ethyl-...	13.66	74.5	ug/L	855810	3	13.42	287141	25.0
Benzene, 1-methyl...	13.82	36.4	ug/L	417803	3	13.42	287141	25.0
Benzene, 2-ethyl-...	13.88	62.3	ug/L	715789	3	13.42	287141	25.0
Benzene, 1-methyl...	13.91	51.7	ug/L	593669	3	13.42	287141	25.0
Benzene, 1-ethyl-...	13.97	79.5	ug/L	913529	3	13.42	287141	25.0
Benzene, 2-butenyl-	14.07	98.8	ug/L	1134310	3	13.42	287141	25.0
Benzene, 1,3-dime...	14.13	38.2	ug/L	439248	3	13.42	287141	25.0
o-Cymene	14.21	34.6	ug/L	397523	3	13.42	287141	25.0
Benzene, 1,2,4,5-...	14.29	64.7	ug/L	743225	3	13.42	287141	25.0
Benzene, 1-ethyl-...	14.33	156.7	ug/L	1800020	3	13.42	287141	25.0
unknown-01	14.42	44.6	ug/L	511792	3	13.42	287141	25.0
Benzene, 2-etheny...	14.56	52.5	ug/L	602506	3	13.42	287141	25.0
Benzene, 1-methyl...	14.61	44.8	ug/L	514219	3	13.42	287141	25.0
1,3-Cyclopentadie...	14.67	335.7	ug/L	3856220	3	13.42	287141	25.0
Benzene, (1,1-dim...	14.74	34.7	ug/L	398869	3	13.42	287141	25.0
Naphthalene, 1,2,...	14.83	31.1	ug/L	356988	3	13.42	287141	25.0
Benzene, 1,3-diet...	14.94	132.6	ug/L	1523430	3	13.42	287141	25.0
Benzene, 1-methyl...	15.05	208.3	ug/L	2392370	3	13.42	287141	25.0
Benzene, pentamet...	15.19	43.9	ug/L	504075	3	13.42	287141	25.0
Naphthalene, 1,2,...	15.29	51.4	ug/L	590382	3	13.42	287141	25.0
unknown-02	15.34	59.3	ug/L	681303	3	13.42	287141	25.0
1H-Indene, 2,3-di...	15.52	119.3	ug/L	1370780	3	13.42	287141	25.0
Benzene, 1-(2-but...	15.81	67.9	ug/L	779537	3	13.42	287141	25.0
1H-Indene, 2,3-di...	15.88	98.4	ug/L	1129860	3	13.42	287141	25.0
1H-Indene, 2,3-di...	16.03	83.7	ug/L	961460	3	13.42	287141	25.0
Naphthalene, 1-me...	16.29	184.0	ug/L	2113380	3	13.42	287141	25.0
1,4-Methanonaphth...	16.48	210.8	ug/L	2420760	3	13.42	287141	25.0