LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
Data File : VY002988.D
Acq On : 22 Jun 2020 20:56
Operator : SY/MD
Sample : L3082-07
Misc : 5.24G/5ML/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-8

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.956	353	364	377	rVB4	5837	19006	1.26%	0.131%
2	4.725	479	490	509	rBV2	34339	121075	8.05%	0.832%
3	5.755	651	659	672	rVB5	6833	21855	1.45%	0.150%
4	6.986	850	861	878	rBV	38051	113064	7.51%	0.777%
5	7.724	972	982	988	rBV	182859	444735	29.56%	3.057%
6	7.797	988	994	1003	rVV	323602	737253	49.00%	5.068%
7	7.883	1003	1008	1018	rVB3	6571	15144	1.01%	0.104%
8	8.004	1020	1028	1037	rBV2	7635	18317	1.22%	0.126%
9	8.145	1037	1051	1065	rBV2	190388	560247	37.23%	3.851%
10	8.328	1068	1081	1092	rVB	40895	113708	7.56%	0.782%
11	8.693	1133	1141	1155	rBV	468873	913054	60.68%	6.277%
12	9.187	1207	1222	1227	rBV3	14523	37407	2.49%	0.257%
13	9.242	1227	1231	1238	rVB	8978	17637	1.17%	0.121%
14	9.620	1285	1293	1300	rBV	41419	79902	5.31%	0.549%
15	9.748	1303	1314	1321	rVV	65503	141110	9.38%	0.970%
16	9.821	1321	1326	1329	rVV5	7346	16478	1.10%	0.113%
17	9.955	1338	1348	1361	rVB4	8814	28567	1.90%	0.196%
18	10.114	1368	1374	1378	rBV	28030	46358	3.08%	0.319%
19	10.181	1378	1385	1391	rVV	725910	1239214	82.35%	8.519%
20	10.242	1391	1395	1402	rVB	77019	129369	8.60%	0.889%
21	10.370	1407	1416	1422	rVB6	7295	17382	1.16%	0.119%
22	10.577	1443	1450	1457	rBV	178708	334121	22.20%	2.297%
23	10.949	1505	1511	1517	rVB	37782	61841	4.11%	0.425%
24	11.272	1557	1564	1566	rBV4	10419	19471	1.29%	0.134%
25	11.315	1566	1571	1577	rVB	99773	169792	11.28%	1.167%
26	11.376	1577	1581	1591	rBV2	9137	15458	1.03%	0.106%
27	11.492	1591	1600	1608	rBV	691645	1150780	76.48%	7.911%
28	11.589	1609	1616	1623	rVB	59546	104322	6.93%	0.717%
29	11.699	1625	1634	1646	rBV	214768	411151	27.32%	2.826%
30	12.028	1680	1688	1695	rVB	116413	191787	12.75%	1.318%
31	12.327	1732	1737	1742	rBV	50178	79538	5.29%	0.547%
32	12.479	1752	1762	1773	rVB2	704933	1273445	84.63%	8.754%
33	12.668	1788	1793	1798	rVV	86957	131726	8.75%	0.906%
34	12.735	1798	1804	1807	rVV	217734	356284	23.68%	2.449%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
Data File : VY002988.D
Acq On : 22 Jun 2020 20:56
Operator : SY/MD
Sample : L3082-07
Misc : 5.24G/5ML/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-8

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Title : SW846 8260

35	12.766	1807	1809	1812	rVV	102718	127652	8.48%	0.878%
36	12.808	1812	1816	1825	rVB	165509	270262	17.96%	1.858%
37	12.967	1837	1842	1850	rBV	109192	181671	12.07%	1.249%
38	13.071	1855	1859	1861	rVV	21098	31573	2.10%	0.217%
39	13.119	1861	1867	1872	rVV	523492	781310	51.92%	5.371%
40	13.180	1872	1877	1882	rVV2	45792	74661	4.96%	0.513%
41	13.254	1882	1889	1891	rVV2	16906	39706	2.64%	0.273%
42	13.284	1891	1894	1897	rVV	29321	48267	3.21%	0.332%
43	13.314	1897	1899	1903	rVV2	19894	27769	1.85%	0.191%
44	13.357	1903	1906	1910	rVV5	12990	25411	1.69%	0.175%
45	13.424	1910	1917	1939	rVB2	792286	1504728	100.00%	10.344%
46	13.589	1939	1944	1946	rBV	28601	44223	2.94%	0.304%
47	13.625	1946	1950	1953	rVV	133658	224774	14.94%	1.545%
48	13.662	1953	1956	1967	rVV3	116557	234046	15.55%	1.609%
49	13.753	1967	1971	1974	rVV3	18837	29896	1.99%	0.206%
50	13.820	1978	1982	1987	rVV	34871	57908	3.85%	0.398%
51	13.881	1987	1992	1995	rVV	58399	95644	6.36%	0.658%
52	13.912	1995	1997	2001	rVV	59828	75536	5.02%	0.519%
53	13.967	2001	2006	2012	rVV2	118832	188597	12.53%	1.297%
54	14.077	2019	2024	2029	rVB3	39312	64943	4.32%	0.446%
55	14.211	2041	2046	2051	rBV	24291	39359	2.62%	0.271%
56	14.296	2053	2060	2063	rVV	74739	123793	8.23%	0.851%
57	14.333	2063	2066	2070	rVV	103041	141799	9.42%	0.975%
58	14.381	2070	2074	2077	rVV3	29124	43901	2.92%	0.302%
59	14.418	2077	2080	2083	rVV	14840	23322	1.55%	0.160%
60	14.454	2083	2086	2089	rVV2	18735	26616	1.77%	0.183%
61	14.522	2093	2097	2100	rVV2	12537	16539	1.10%	0.114%
62	14.564	2100	2104	2108	rVV	39103	60182	4.00%	0.414%
63	14.613	2108	2112	2116	rVV3	21275	33317	2.21%	0.229%
64	14.674	2116	2122	2129	rVV4	75528	193696	12.87%	1.332%
65	14.735	2129	2132	2139	rVB3	18568	32469	2.16%	0.223%
66	14.832	2143	2148	2153	rBV6	7546	15552	1.03%	0.107%
67	14.948	2161	2167	2176	rVB2	25367	60644	4.03%	0.417%
68	15.058	2179	2185	2194	rVB4	20067	48765	3.24%	0.335%
69	15.235	2204	2214	2220	rBV	77759	147315	9.79%	1.013%
70	15.345	2222	2232	2237	rBV5	9661	29340	1.95%	0.202%
71	15.527	2255	2262	2271	rBV2	16823	40710	2.71%	0.280%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
Data File : VY002988.D
Acq On : 22 Jun 2020 20:56
Operator : SY/MD
Sample : L3082-07
Misc : 5.24G/5ML/MSVOA Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-8

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Title : SW846 8260

72	15.692	2279	2289	2291	rBV5	9840	25725	1.71%	0.177%
73	15.814	2305	2309	2314	rBV	8507	15769	1.05%	0.108%
74	15.887	2317	2321	2328	rVB5	8195	19010	1.26%	0.131%
75	16.290	2381	2387	2394	rBV	47086	93060	6.18%	0.640%
76	16.491	2413	2420	2426	rBV	27772	56290	3.74%	0.387%

Sum of corrected areas: 14546348

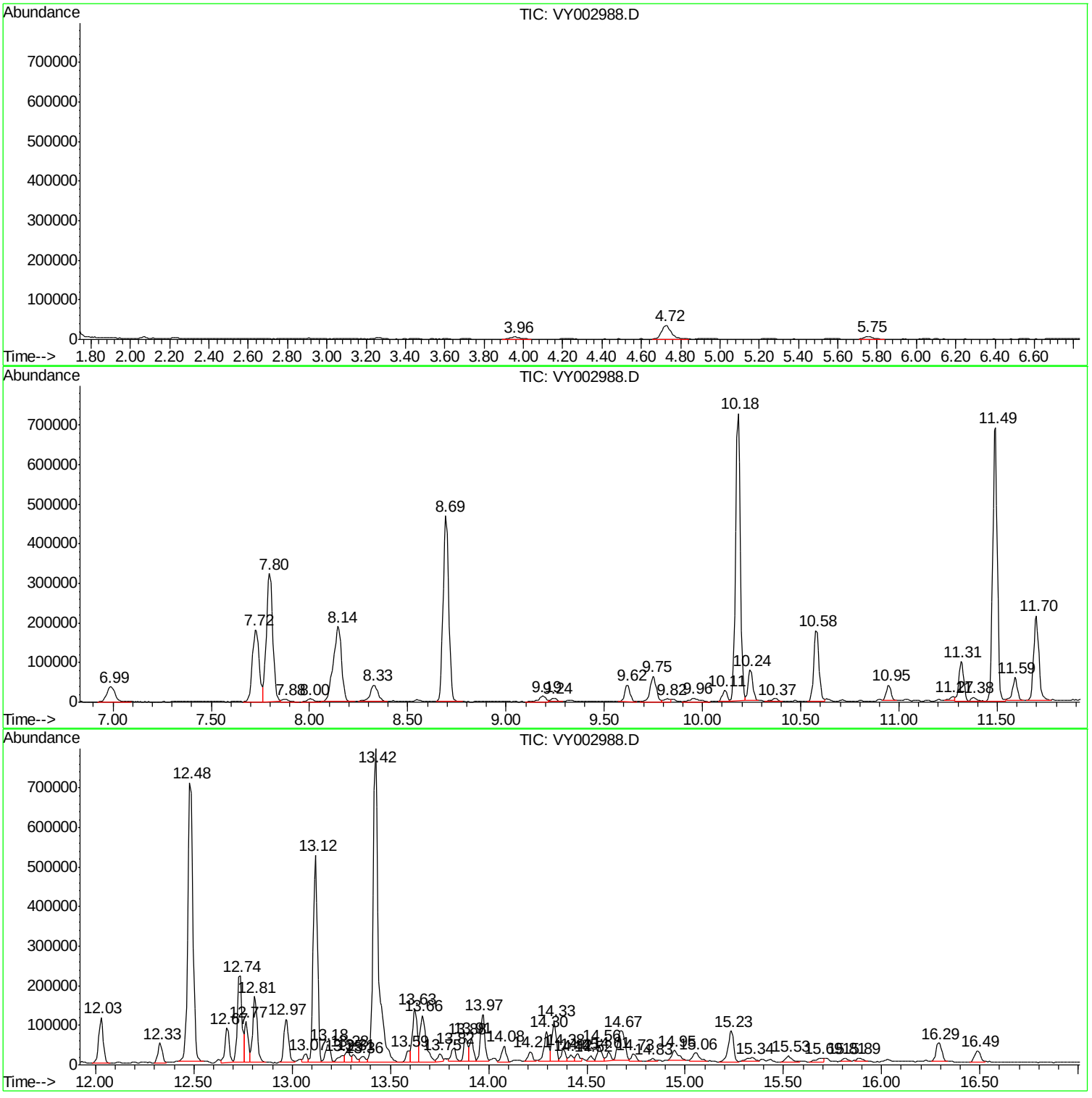
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002988.D
Acq On : 22 Jun 2020 20:56
Operator : SY/MD
Sample : L3082-07
Misc : 5.24G/5ML/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002988.D
Acq On : 22 Jun 2020 20:56
Operator : SY/MD
Sample : L3082-07
Misc : 5.24G/5ML/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

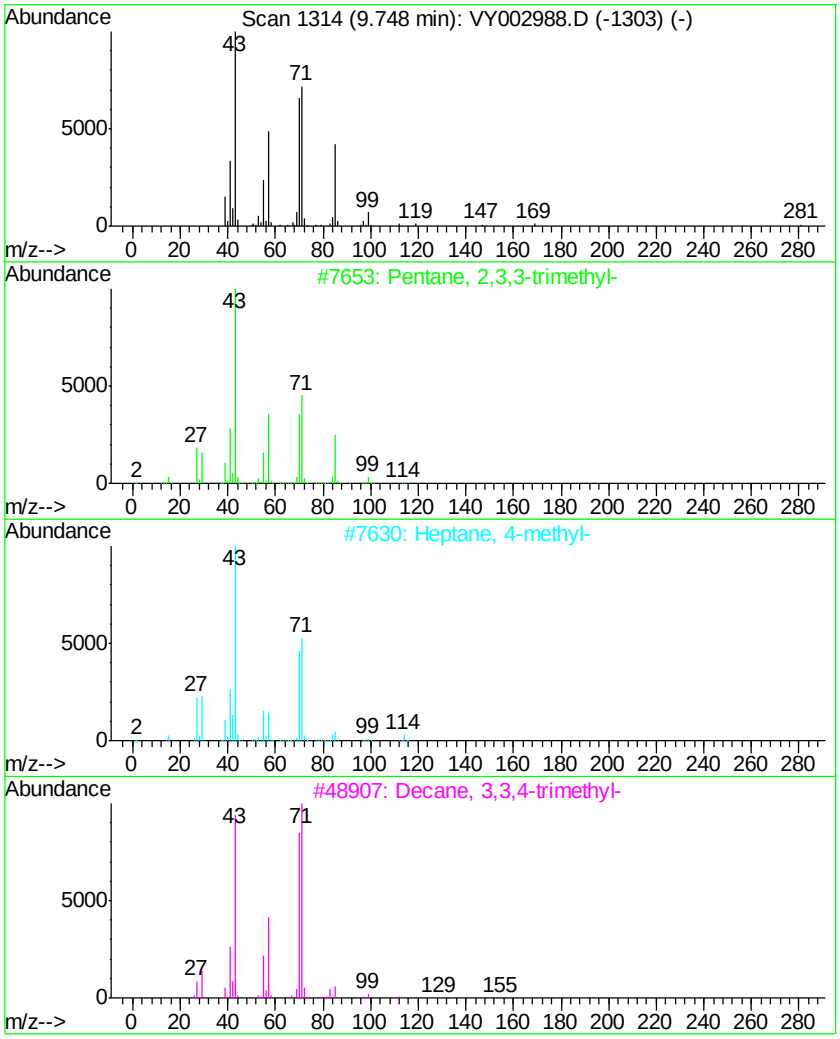
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

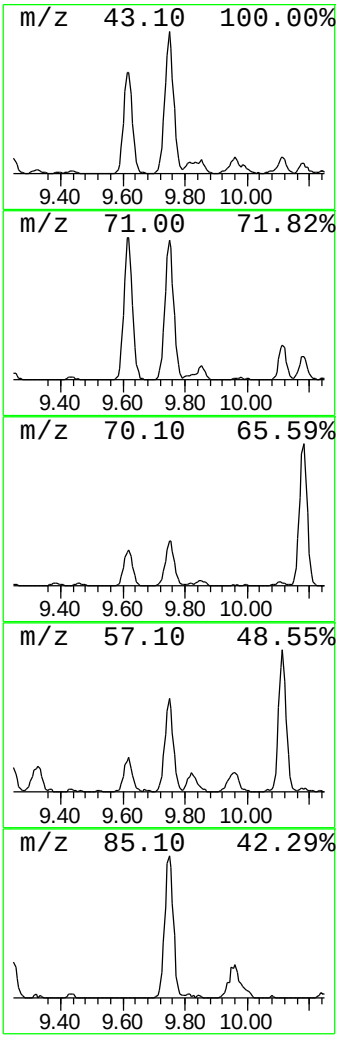
****

Peak Number 3 Pentane, 2,3,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	7.73 ug/l	141110	1,4-Difluorobenzene	8.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	59
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	53
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002988.D
Acq On : 22 Jun 2020 20:56
Operator : SY/MD
Sample : L3082-07
Misc : 5.24G/5ML/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-8

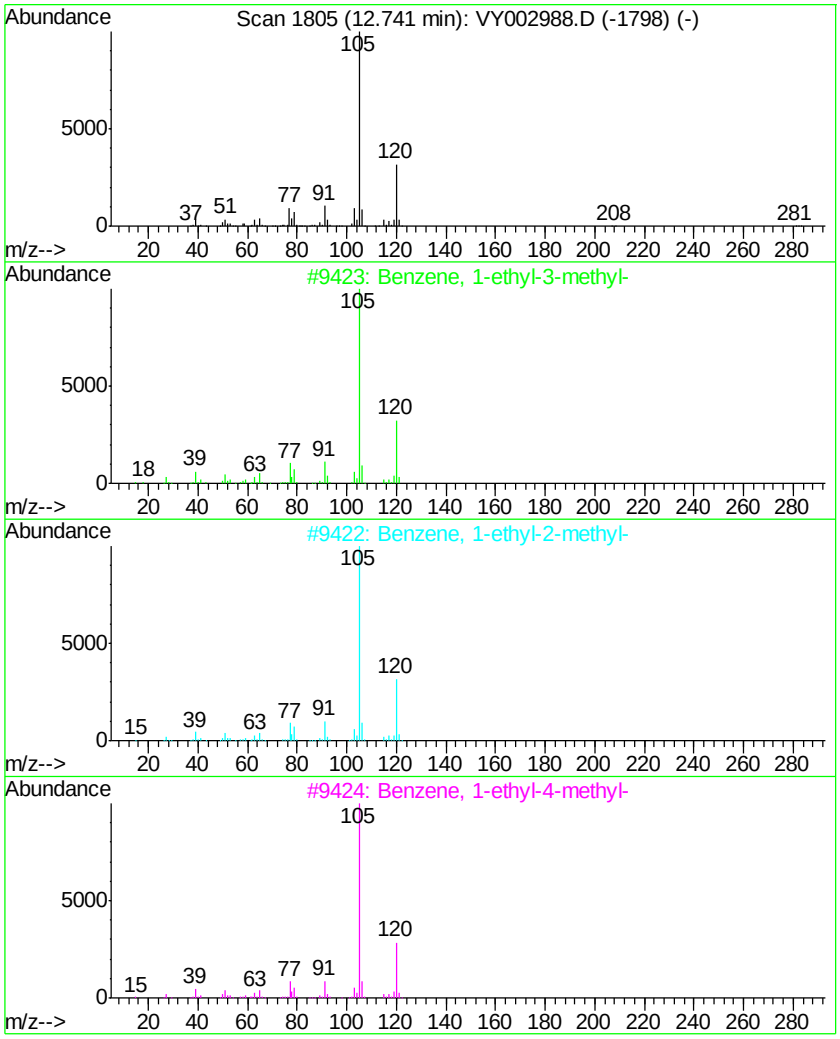
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

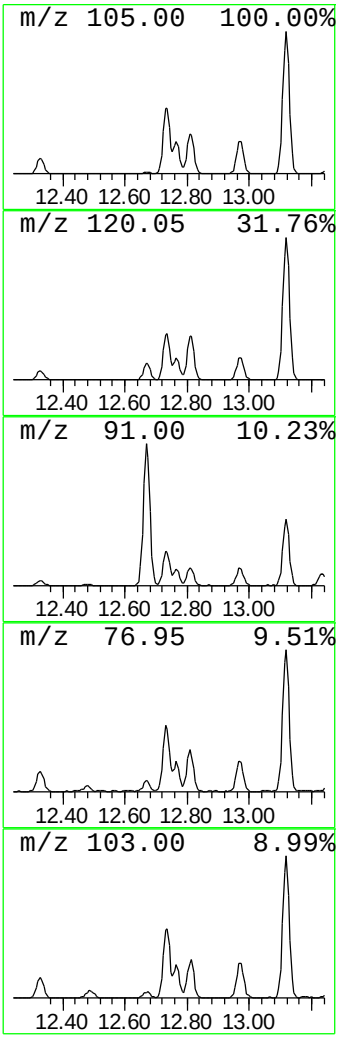
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	11.84 ug/l	356284	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002988.D
Acq On : 22 Jun 2020 20:56
Operator : SY/MD
Sample : L3082-07
Misc : 5.24G/5ML/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

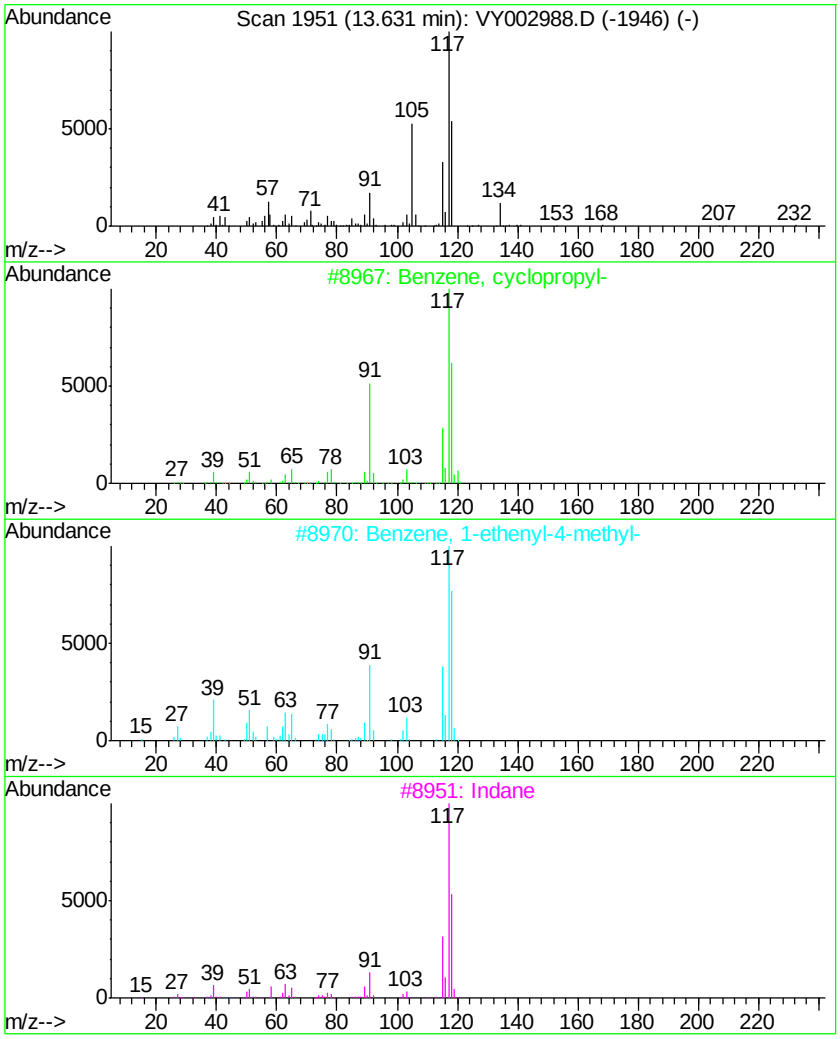
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

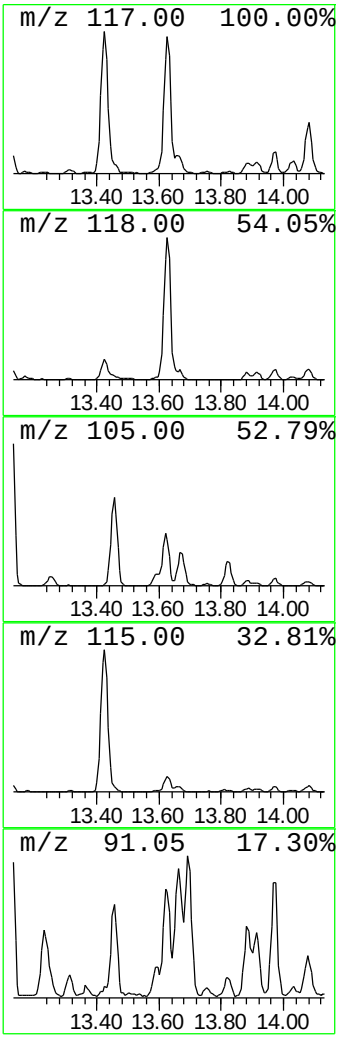
****

Peak Number 7 Benzene, cyclopropyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	7.47 ug/l	224774	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	64
3	Indane	118	C9H10	000496-11-7	60
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	58
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	41





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002988.D
Acq On : 22 Jun 2020 20:56
Operator : SY/MD
Sample : L3082-07
Misc : 5.24G/5ML/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

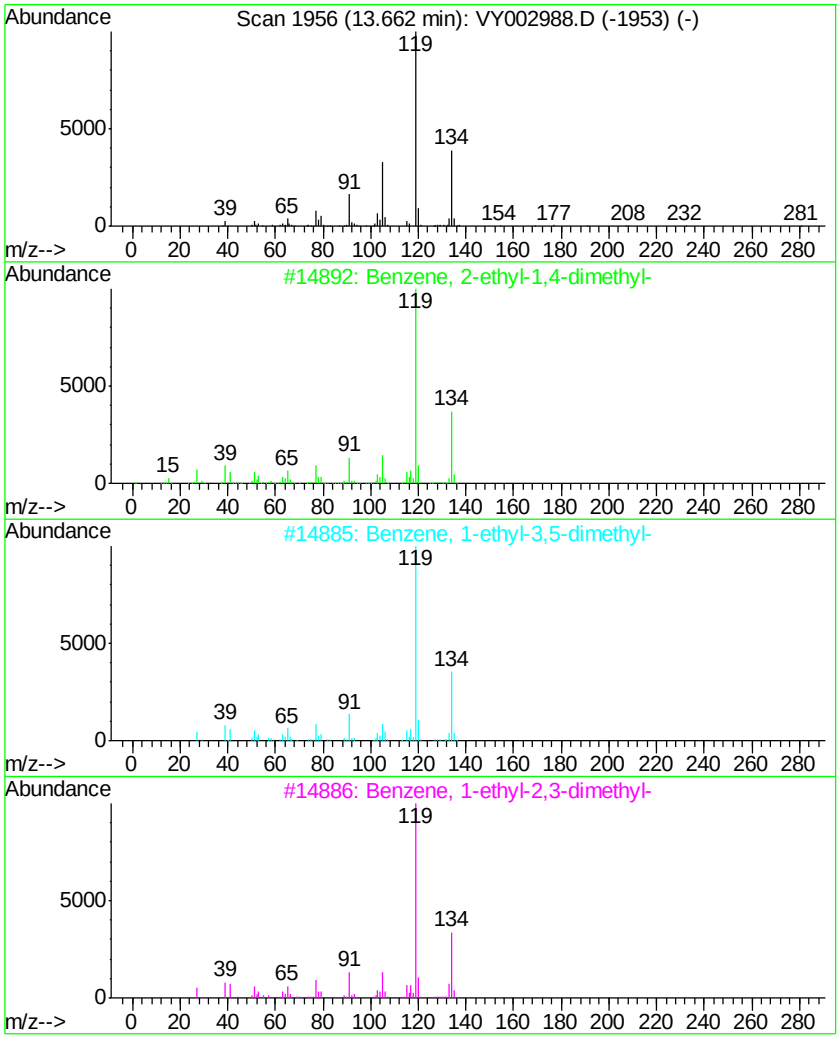
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

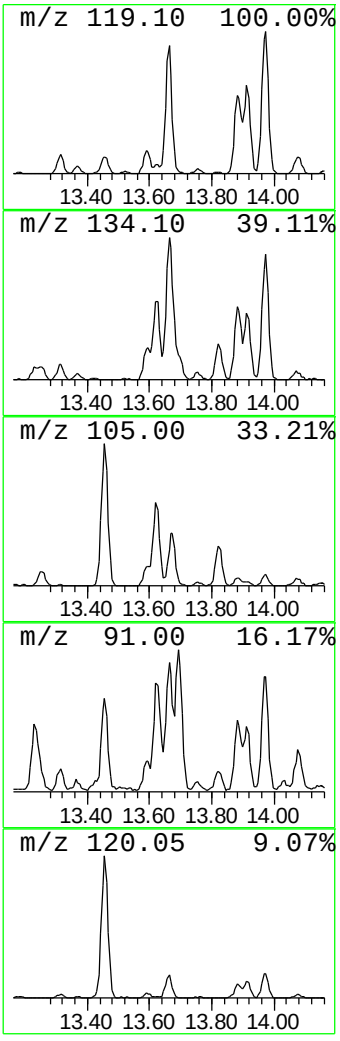
****

Peak Number 8 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	7.78 ug/l	234046	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	90
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002988.D
Acq On : 22 Jun 2020 20:56
Operator : SY/MD
Sample : L3082-07
Misc : 5.24G/5ML/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-8

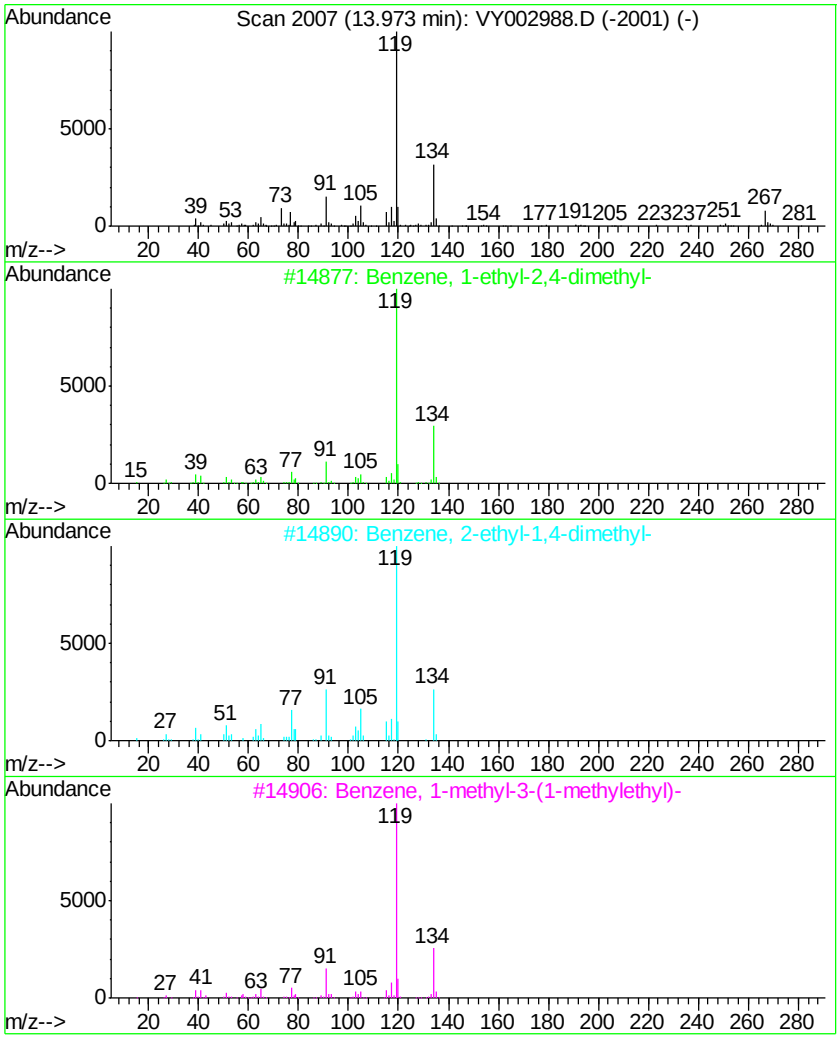
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

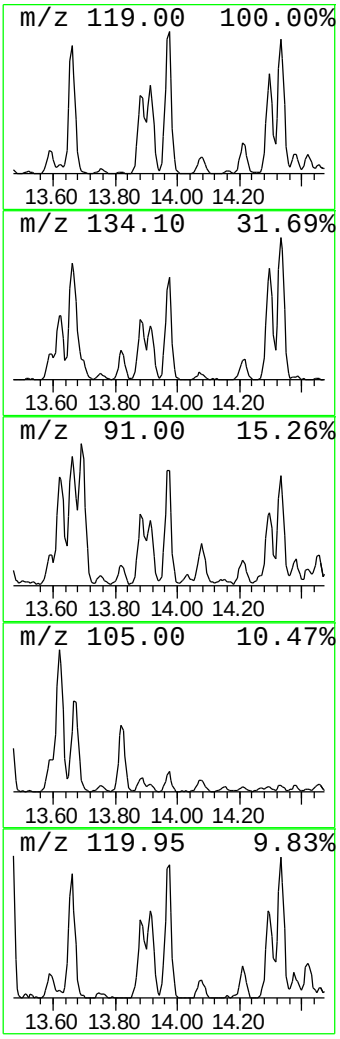
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	6.27 ug/l	188597	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, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002988.D
Acq On : 22 Jun 2020 20:56
Operator : SY/MD
Sample : L3082-07
Misc : 5.24G/5ML/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

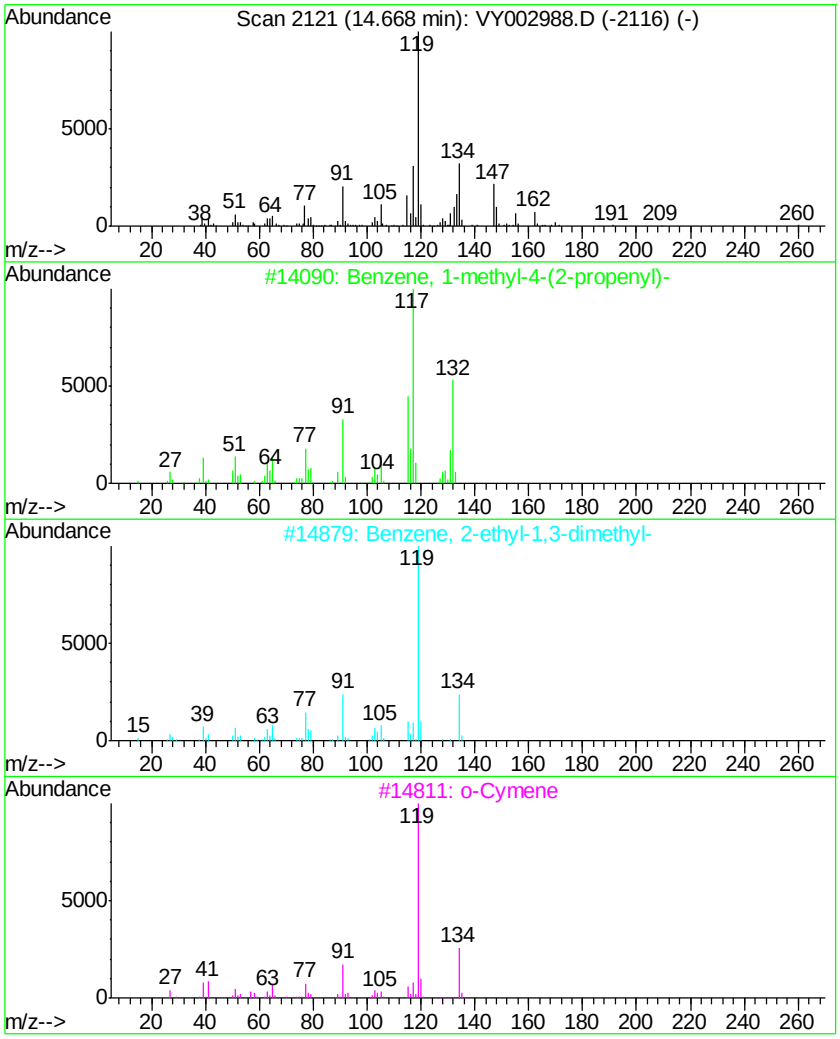
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

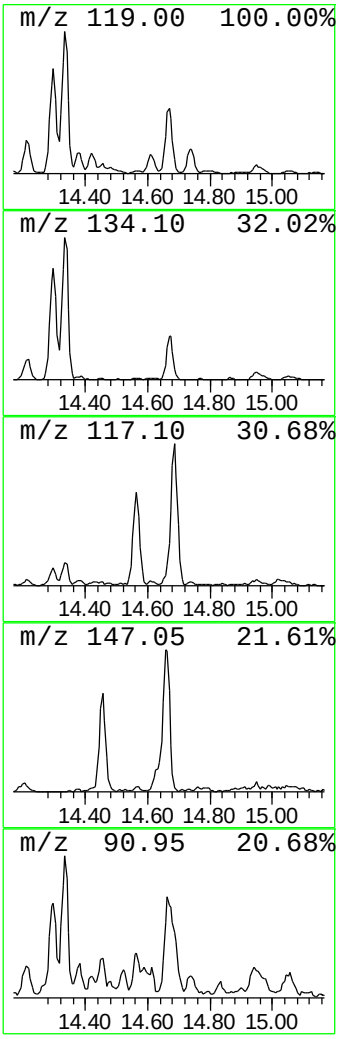
****

Peak Number 10 Benzene, 1-methyl-4-(2-prop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	6.44 ug/l	193696	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	80
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	55
3	o-Cymene	134	C10H14	000527-84-4	55
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	55
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002988.D
Acq On : 22 Jun 2020 20:56
Operator : SY/MD
Sample : L3082-07
Misc : 5.24G/5ML/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentane, 2,3,3-tr...	9.75	7.7	ug/l	141110	2	8.69	913054	50.0
Benzene, 1-ethyl-...	12.74	11.8	ug/l	356284	4	13.42	1504730	50.0
Benzene, cyclopro...	13.63	7.5	ug/l	224774	4	13.42	1504730	50.0
Benzene, 2-ethyl-...	13.66	7.8	ug/l	234046	4	13.42	1504730	50.0
Benzene, 1-ethyl-...	13.97	6.3	ug/l	188597	4	13.42	1504730	50.0
Benzene, 1-methyl...	14.67	6.4	ug/l	193696	4	13.42	1504730	50.0