LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
Data File : VY002559.D
Acq On : 04 May 2020 23:21
Operator : SY/MD
Sample : L2473-02
Misc : 5.07G/5ML/MSVOA Y/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC

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\82Y043020S.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	2.133	60	65	66	rBV4	767	1279	1.94%	0.264%
2	2.408	106	110	118	rVB6	1385	2925	4.43%	0.603%
3	2.511	123	127	129	rBV5	1051	1696	2.57%	0.350%
4	2.615	143	144	147	rBV3	700	837	1.27%	0.173%
5	2.676	151	154	163	rVB5	2312	4767	7.23%	0.983%
6	2.792	169	173	176	rBV3	499	730	1.11%	0.151%
7	3.060	214	217	220	rBV4	473	801	1.21%	0.165%
8	3.621	304	309	311	rBV3	580	748	1.13%	0.154%
9	3.938	357	361	364	rBV3	626	840	1.27%	0.173%
10	4.005	370	372	376	rVB2	720	723	1.10%	0.149%
11	4.066	379	382	386	rVV4	579	774	1.17%	0.160%
12	4.127	386	392	396	rVV2	1175	2548	3.86%	0.525%
13	4.761	492	496	502	rVB6	681	1286	1.95%	0.265%
14	7.011	855	865	876	rBV2	6346	18823	28.54%	3.882%
15	7.389	921	927	929	rBV2	438	721	1.09%	0.149%
16	7.517	944	948	953	rBV3	820	1310	1.99%	0.270%
17	7.742	976	985	991	rBV2	8908	20603	31.24%	4.249%
18	7.815	991	997	1006	rVB2	17159	38161	57.86%	7.870%
19	8.163	1045	1054	1062	rVB4	10120	24538	37.20%	5.061%
20	8.711	1137	1144	1154	rVV	25931	50633	76.77%	10.442%
21	8.955	1180	1184	1186	rBV2	600	715	1.08%	0.147%
22	9.382	1249	1254	1256	rVB3	420	682	1.03%	0.141%
23	10.089	1368	1370	1373	rVB2	752	670	1.02%	0.138%
24	10.193	1380	1387	1394	rBV	38188	65954	100.00%	13.602%
25	10.736	1471	1476	1481	rBV7	1148	2023	3.07%	0.417%
26	10.961	1509	1513	1516	rVB4	749	1000	1.52%	0.206%
27	11.327	1570	1573	1576	rBV3	785	971	1.47%	0.200%
28	11.504	1595	1602	1609	rBV	34949	56069	85.01%	11.563%
29	11.607	1618	1619	1622	rVB3	845	781	1.18%	0.161%
30	11.705	1630	1635	1640	rVB4	1920	3355	5.09%	0.692%
31	11.851	1654	1659	1661	rBV2	578	821	1.24%	0.169%
32	12.046	1686	1691	1696	rBV5	1595	1983	3.01%	0.409%
33	12.339	1732	1739	1742	rBV4	671	1108	1.68%	0.229%
34	12.491	1756	1764	1771	rBV	24868	40716	61.73%	8.397%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
Data File : VY002559.D
Acq On : 04 May 2020 23:21
Operator : SY/MD
Sample : L2473-02
Misc : 5.07G/5ML/MSVOA_Y/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC

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\82Y043020S.M
Title : SW846 8260

35	12.625	1782	1786	1788	rVV4	759	1235	1.87%	0.255%
36	12.772	1805	1810	1813	rBV3	839	1122	1.70%	0.231%
37	12.827	1814	1819	1822	rBV4	1357	2356	3.57%	0.486%
38	12.857	1822	1824	1828	rVB4	906	1287	1.95%	0.265%
39	13.009	1844	1849	1851	rBV3	833	1395	2.12%	0.288%
40	13.083	1857	1861	1865	rBV5	752	1542	2.34%	0.318%
41	13.272	1888	1892	1895	rBV5	1569	2185	3.31%	0.451%
42	13.381	1902	1910	1914	rBV9	2977	5892	8.93%	1.215%
43	13.436	1914	1919	1929	rVB	28853	46781	70.93%	9.648%
44	13.528	1929	1934	1941	rVB6	803	2130	3.23%	0.439%
45	13.613	1943	1948	1949	rBV5	670	1066	1.62%	0.220%
46	13.704	1959	1963	1967	rBV4	3769	6391	9.69%	1.318%
47	13.753	1967	1971	1975	rVV5	1474	2448	3.71%	0.505%
48	13.820	1979	1982	1986	rBV6	891	1418	2.15%	0.292%
49	13.936	1999	2001	2003	rBV3	715	665	1.01%	0.137%
50	13.967	2005	2006	2008	rBV2	866	764	1.16%	0.158%
51	14.052	2018	2020	2023	rBV4	808	706	1.07%	0.146%
52	14.168	2037	2039	2042	rVV3	751	867	1.31%	0.179%
53	14.204	2042	2045	2047	rVB4	853	806	1.22%	0.166%
54	14.229	2047	2049	2050	rBV2	769	679	1.03%	0.140%
55	14.265	2053	2055	2057	rVB3	1236	1020	1.55%	0.210%
56	14.302	2057	2061	2062	rBV4	991	1161	1.76%	0.239%
57	14.363	2068	2071	2073	rBV4	978	1232	1.87%	0.254%
58	14.442	2082	2084	2087	rBV4	1150	1216	1.84%	0.251%
59	14.491	2087	2092	2096	rBV7	3078	6564	9.95%	1.354%
60	14.680	2118	2123	2127	rBV6	2612	4734	7.18%	0.976%
61	14.777	2137	2139	2140	rBV2	903	798	1.21%	0.165%
62	14.796	2140	2142	2143	rVV2	728	664	1.01%	0.137%
63	14.930	2162	2164	2169	rBV4	1226	1729	2.62%	0.357%
64	15.021	2174	2179	2183	rVV8	2380	4802	7.28%	0.990%
65	15.119	2193	2195	2201	rVB7	2077	3029	4.59%	0.625%
66	15.198	2205	2208	2210	rBV3	986	1266	1.92%	0.261%
67	15.223	2210	2212	2213	rVV2	1236	935	1.42%	0.193%
68	15.253	2213	2217	2220	rVV4	2775	4936	7.48%	1.018%
69	15.314	2223	2227	2233	rVB8	1587	3041	4.61%	0.627%
70	15.436	2243	2247	2253	rBV9	3009	6293	9.54%	1.298%
71	15.838	2312	2313	2316	rBV3	1494	1043	1.58%	0.215%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
Data File : VY002559.D
Acq On : 04 May 2020 23:21
Operator : SY/MD
Sample : L2473-02
Misc : 5.07G/5ML/MSVOA Y/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC

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\82Y043020S.M
Title : SW846 8260

72	15.978	2334	2336	2337	rBV2	1128	832	1.26%	0.172%
73	16.460	2413	2415	2417	rBV3	1113	680	1.03%	0.140%
74	16.484	2417	2419	2420	rBV2	1082	935	1.42%	0.193%
75	16.539	2426	2428	2431	rBV4	1198	1242	1.88%	0.256%
76	16.631	2440	2443	2446	rBV4	1557	2106	3.19%	0.434%
77	16.838	2475	2477	2480	rBV4	1060	1299	1.97%	0.268%

Sum of corrected areas: 484883

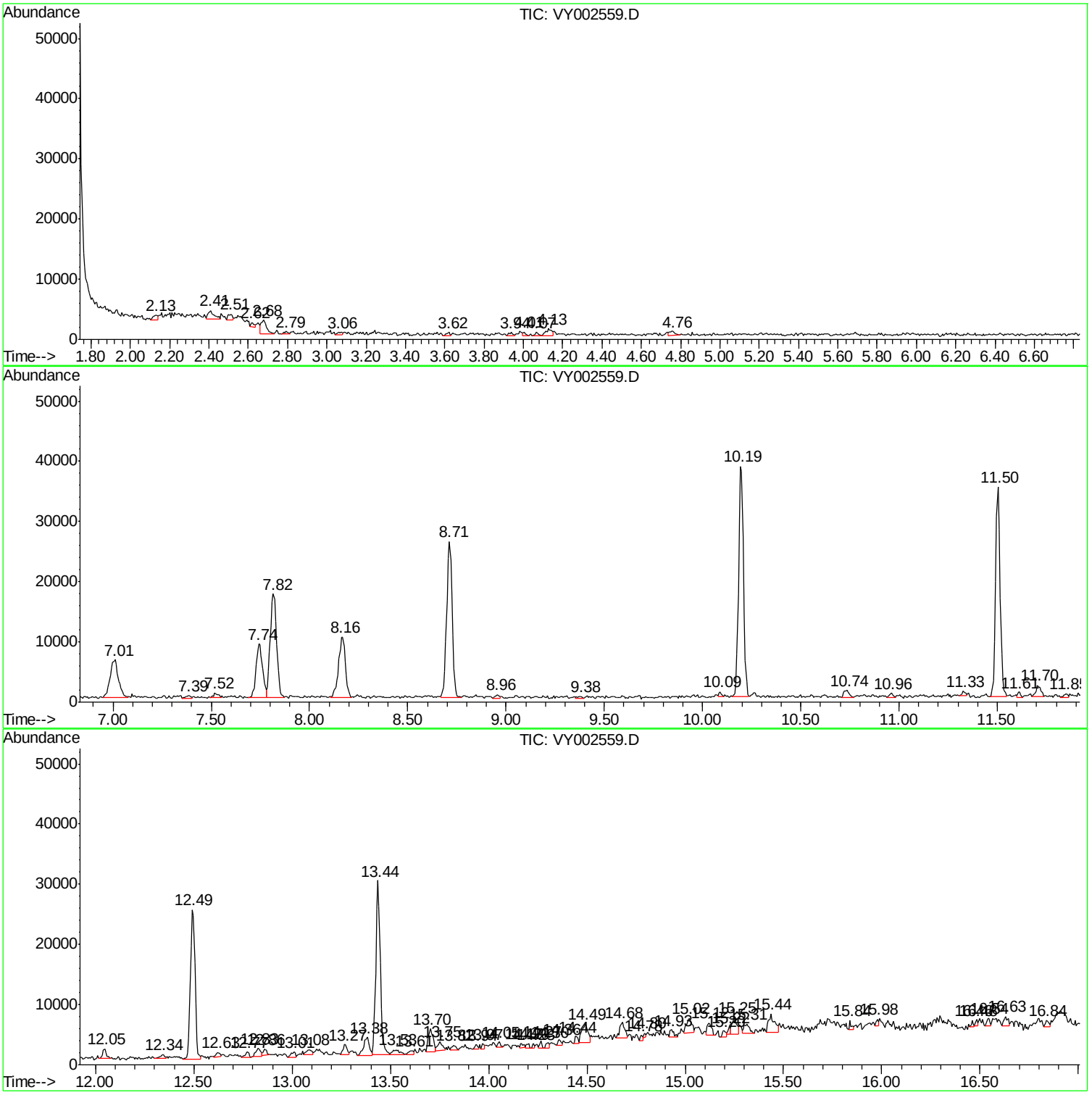
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050420\
Data File : VY002559.D
Acq On : 04 May 2020 23:21
Operator : SY/MD
Sample : L2473-02
Misc : 5.07G/5ML/MSVOA_Y/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050420\
Data File : VY002559.D
Acq On : 04 May 2020 23:21
Operator : SY/MD
Sample : L2473-02
Misc : 5.07G/5ML/MSVOA_Y/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

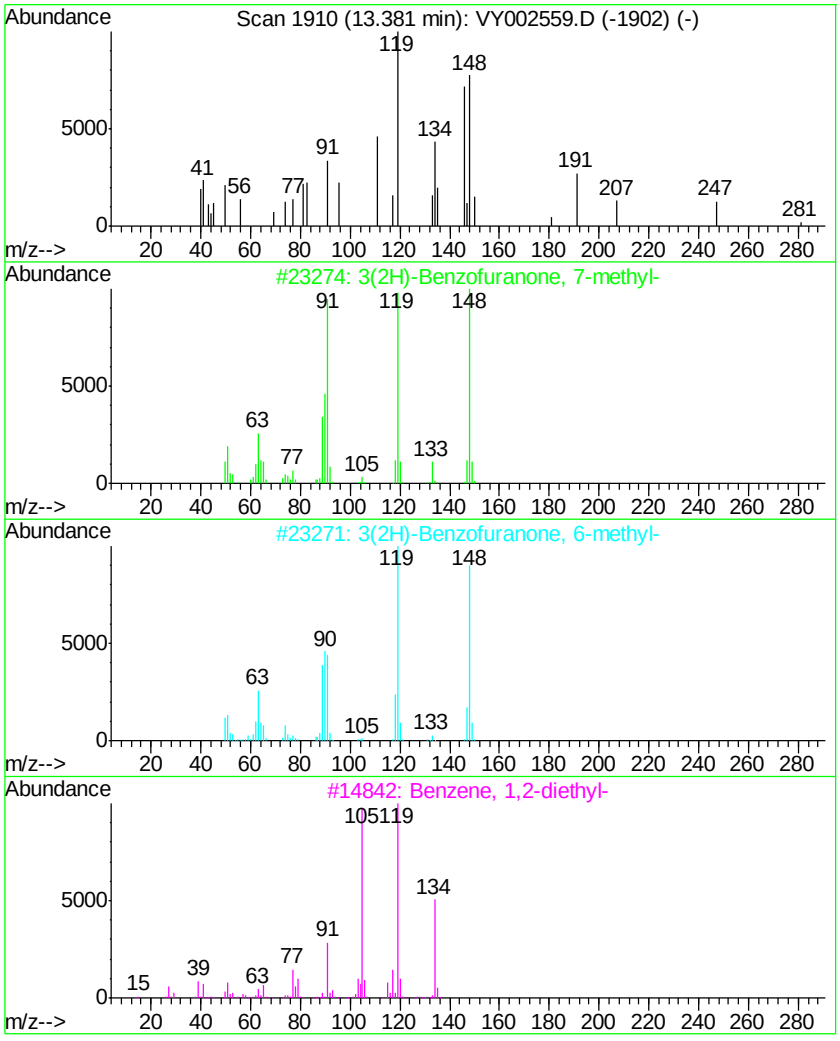
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

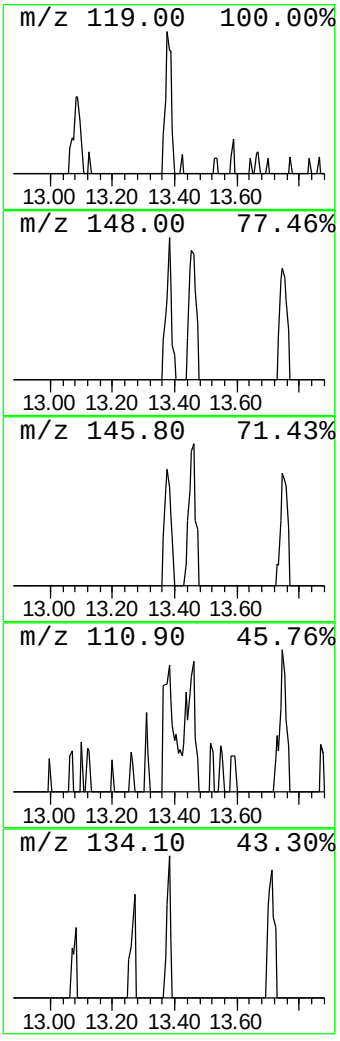
****

Peak Number 3 unknown13.38 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	6.30 ug/l	5892	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3(2H)-Benzofuranone, 7-methyl-	148	C9H8O2	000669-04-5	35
2	3(2H)-Benzofuranone, 6-methyl-	148	C9H8O2	020895-41-4	35
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	22
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	22
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	12





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050420\
Data File : VY002559.D
Acq On : 04 May 2020 23:21
Operator : SY/MD
Sample : L2473-02
Misc : 5.07G/5ML/MSVOA_Y/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

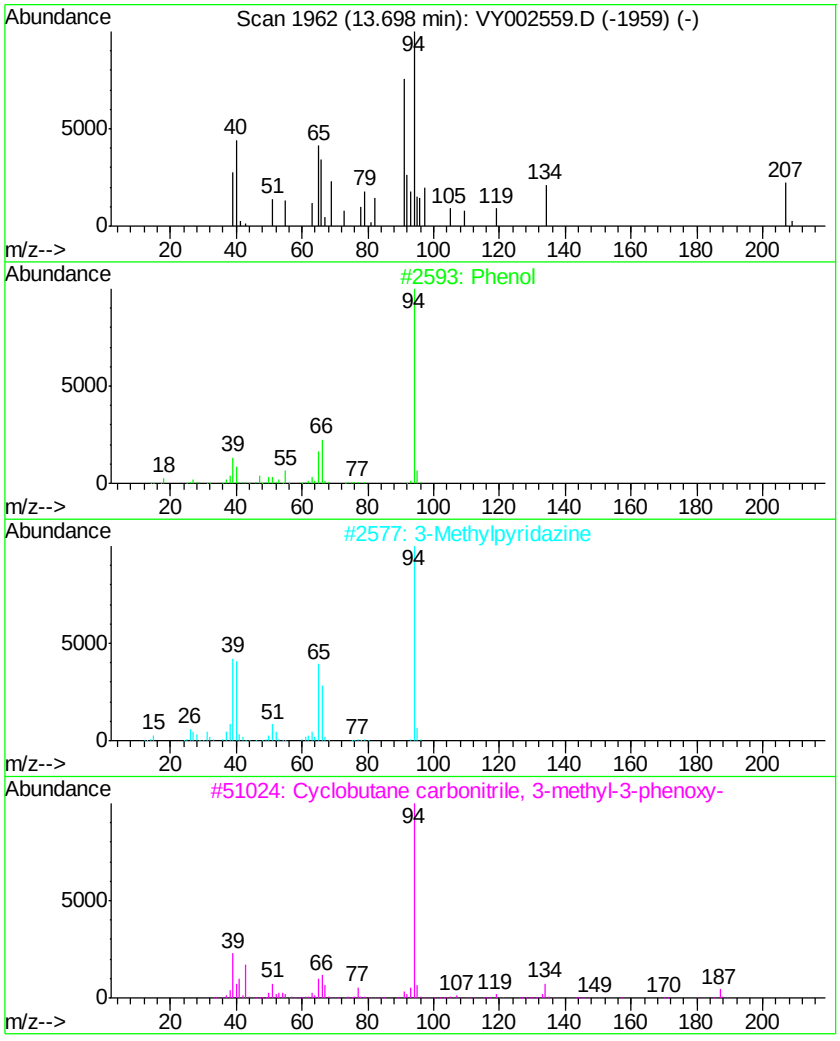
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

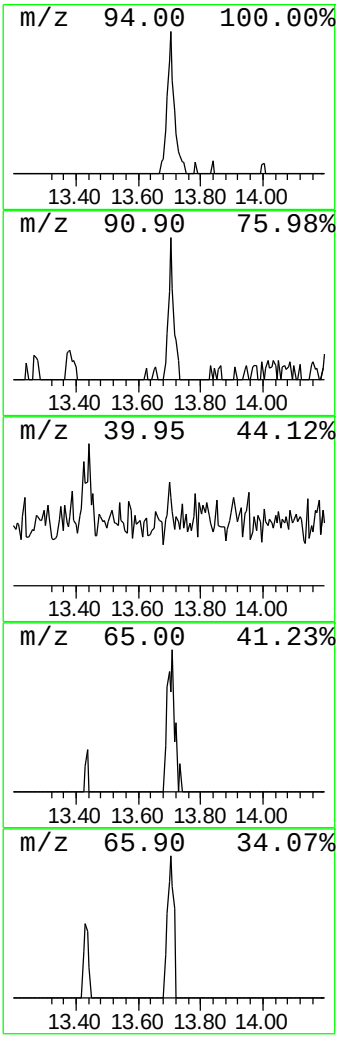
****

Peak Number 4 unknown13.70 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	6.83 ug/l	6391	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol	94	C6H6O	000108-95-2	49
2	3-Methylpyridazine	94	C5H6N2	001632-76-4	47
3	Cyclobutane carbonitrile, 3-meth...	187	C12H13NO	1000260-35-8	43
4	Acetic acid, phenyl ester	136	C8H8O2	000122-79-2	40
5	Tetracyclo[3.2.0.0(2,7).0(4,6)]h...	92	C7H8	000278-06-8	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050420\
Data File : VY002559.D
Acq On : 04 May 2020 23:21
Operator : SY/MD
Sample : L2473-02
Misc : 5.07G/5ML/MSVOA_Y/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

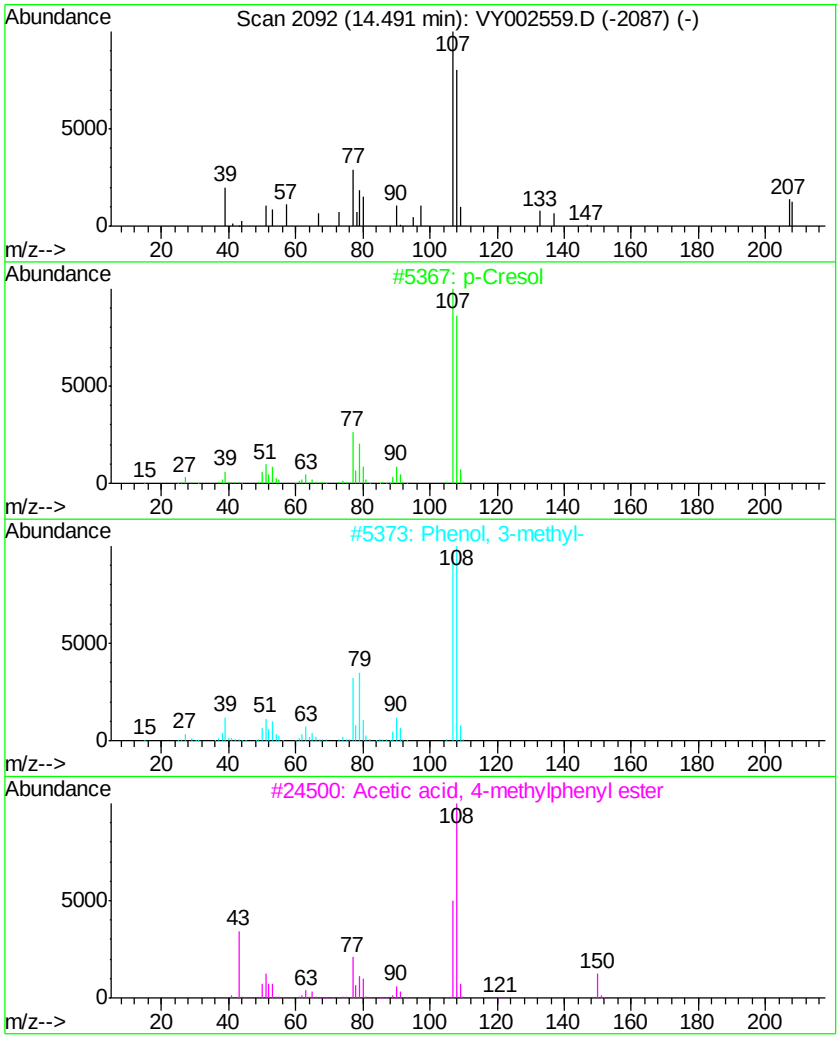
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

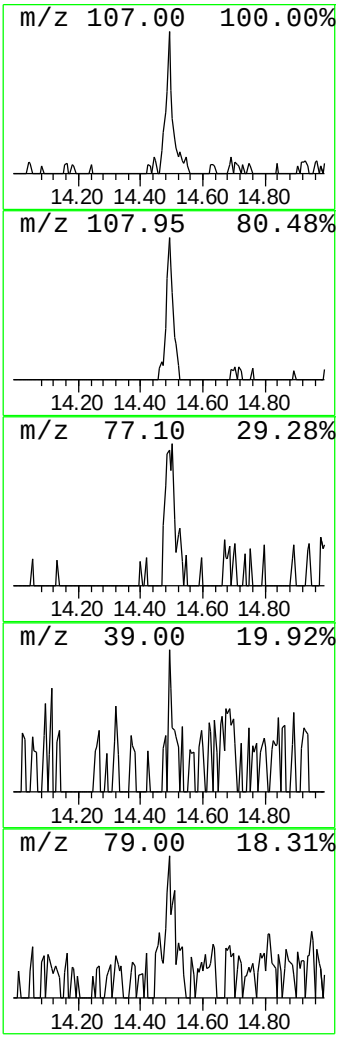
****

Peak Number 5 p-Cresol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	7.02 ug/l	6564	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cresol	108	C7H8O	000106-44-5	87
2	Phenol, 3-methyl-	108	C7H8O	000108-39-4	87
3	Acetic acid, 4-methylphenyl ester	150	C9H10O2	000140-39-6	53
4	Phenol, 4-(2-aminoethyl)-	137	C8H11NO	000051-67-2	52
5	meso-Hydrobenzoin	214	C14H14O2	000579-43-1	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050420\
Data File : VY002559.D
Acq On : 04 May 2020 23:21
Operator : SY/MD
Sample : L2473-02
Misc : 5.07G/5ML/MSVOA_Y/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

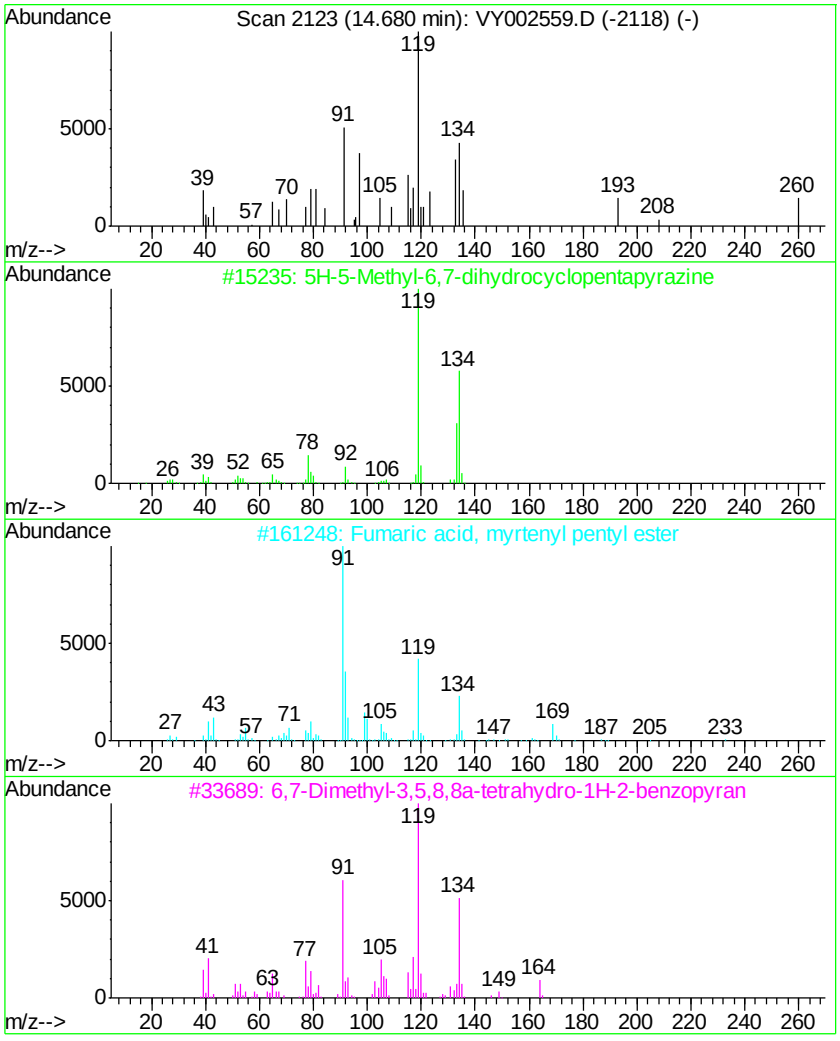
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

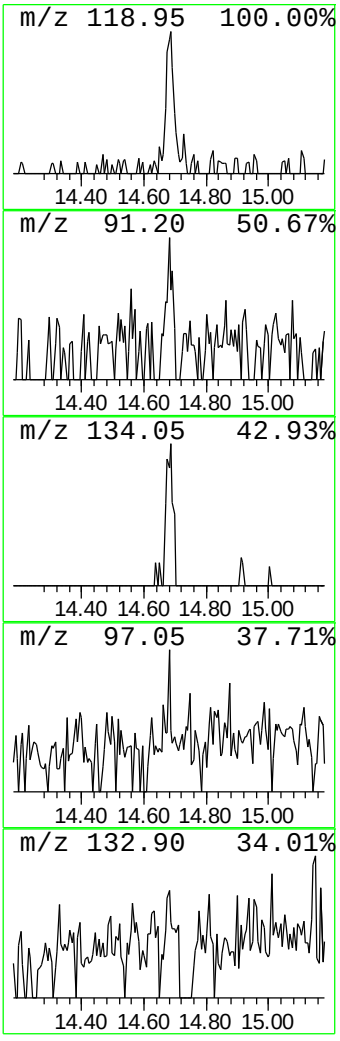
****

Peak Number 6 5H-5-Methyl-6,7-dihydrocycl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	5.06 ug/l	4734	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-5-Methyl-6,7-dihydrocyclopent...	134	C8H10N2	023747-48-0	52
2	Fumaric acid, myrtenyl pentyl ester	320	C19H28O4	1000348-81-3	50
3	6,7-Dimethyl-3,5,8,8a-tetrahydro...	164	C11H16O	110028-10-9	50
4	p-Cymene	134	C10H14	000099-87-6	50
5	Fumaric acid, myrtenyl propyl ester	292	C17H24O4	1000348-81-0	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050420\
Data File : VY002559.D
Acq On : 04 May 2020 23:21
Operator : SY/MD
Sample : L2473-02
Misc : 5.07G/5ML/MSVOA_Y/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

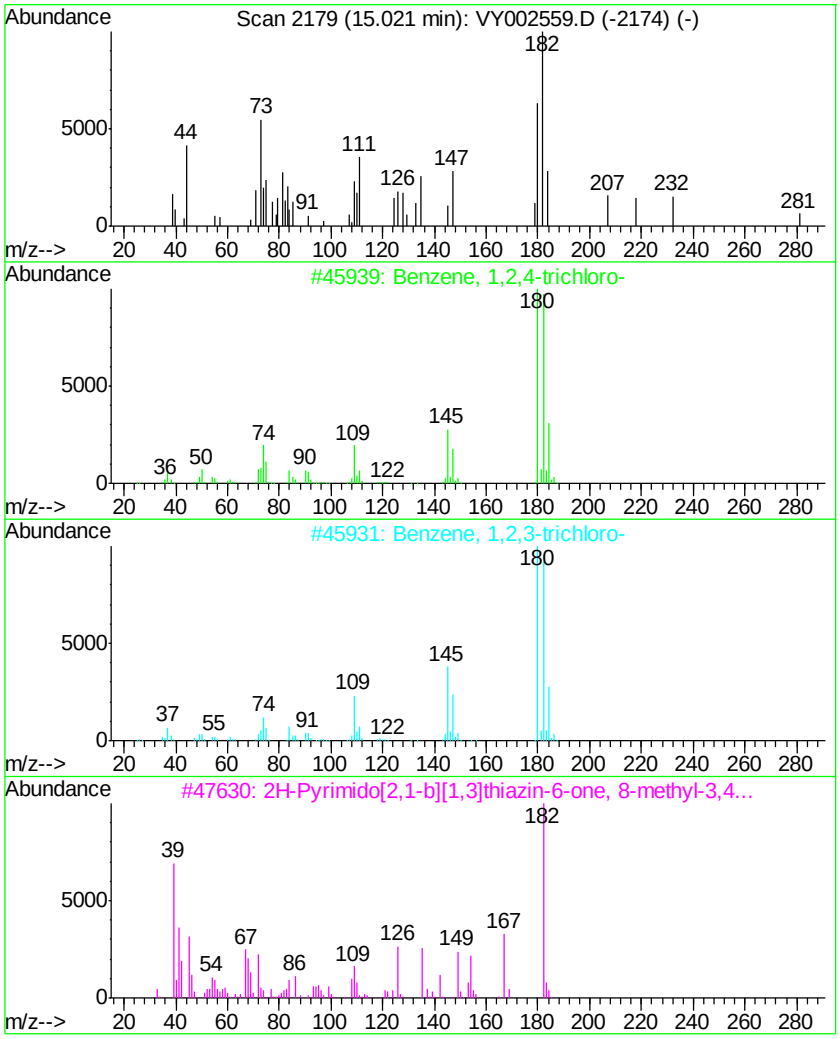
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

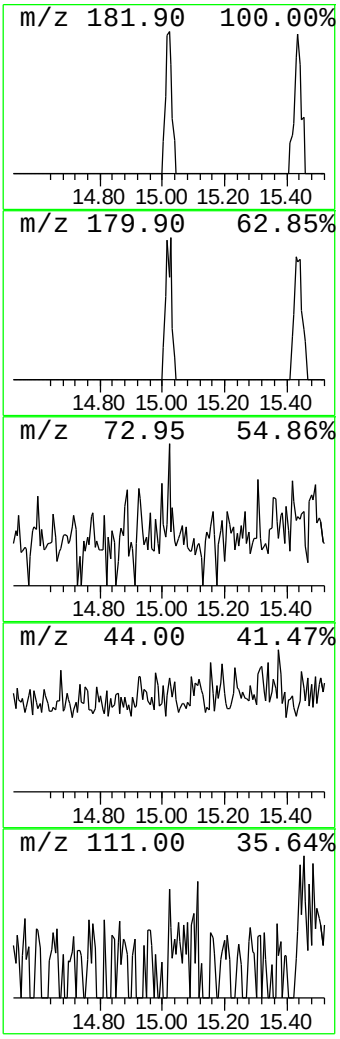
****

Peak Number 7 unknown15.02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	5.13 ug/l	4802	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	32
2	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	32
3	2H-Pyrimido[2,1-b][1,3]thiazin-6...	182	C8H10N2OS	1000310-76-3	27
4	m-Chlorocinnamic acid	182	C9H7ClO2	001866-38-2	27
5	Thiophene-2-sulfonic acid benzhy...	329	C17H15NO2S2	1000310-88-4	23





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050420\
Data File : VY002559.D
Acq On : 04 May 2020 23:21
Operator : SY/MD
Sample : L2473-02
Misc : 5.07G/5ML/MSVOA_Y/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

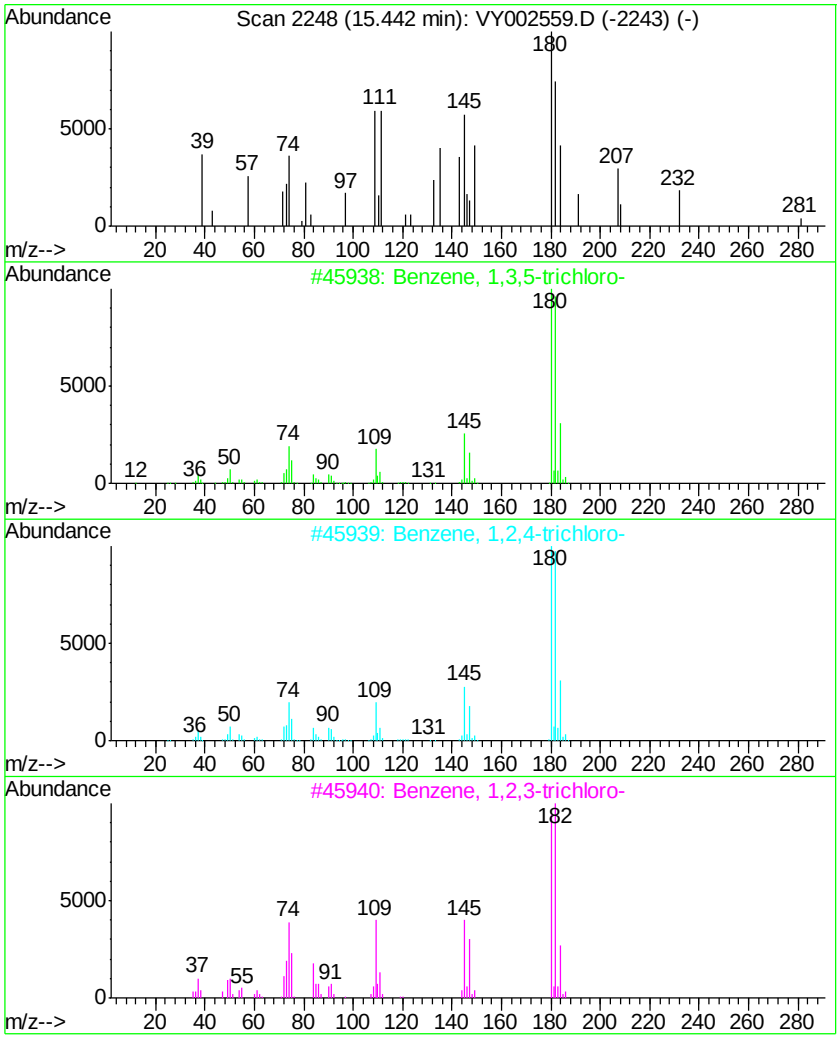
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

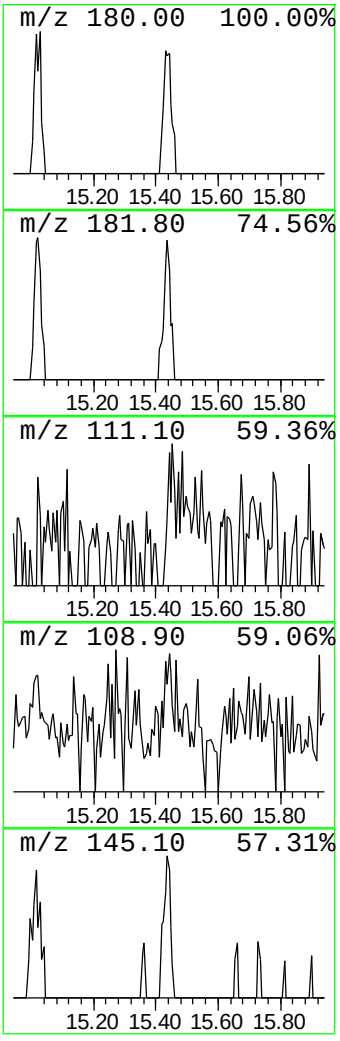
****

Peak Number 8 Benzene, 1,3,5-trichloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	6.73 ug/l	6293	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	64
2	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	64
3	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	52
4	Arsenic trichloride	180	AsCl3	007784-34-1	37
5	Benzene, (bromoethynyl)-	180	C8H5Br	000932-87-6	16





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050420\
Data File : VY002559.D
Acq On : 04 May 2020 23:21
Operator : SY/MD
Sample : L2473-02
Misc : 5.07G/5ML/MSVOA_Y/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.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
unknown13.38	13.38	6.3	ug/l	5892	4	13.44	46781	50.0
unknown13.70	13.70	6.8	ug/l	6391	4	13.44	46781	50.0
p-Cresol	14.49	7.0	ug/l	6564	4	13.44	46781	50.0
5H-5-Methyl-6,7-d...	14.68	5.1	ug/l	4734	4	13.44	46781	50.0
unknown15.02	15.02	5.1	ug/l	4802	4	13.44	46781	50.0
Benzene, 1,3,5-tr...	15.44	6.7	ug/l	6293	4	13.44	46781	50.0