LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012320\
Data File : VY001353.D
Acq On : 23 Jan 2020 14:58
Operator : SY/MD
Sample : L1215-02
Misc : 5.45G/5ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200031

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\82Y012120S.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	1.902	25	27	33	rVB	967	1373	2.11%	0.245%
2	2.139	59	66	68	rBV3	1116	2350	3.61%	0.420%
3	2.834	177	180	184	rVB4	975	1607	2.47%	0.287%
4	4.730	482	491	496	rBV3	984	2288	3.52%	0.409%
5	7.547	948	953	956	rVB3	367	698	1.07%	0.125%
6	7.736	976	984	989	rBV4	7963	19108	29.38%	3.415%
7	7.809	989	996	1005	rVB	14427	32638	50.18%	5.833%
8	8.157	1046	1053	1062	rVB3	9112	20265	31.16%	3.621%
9	8.705	1134	1143	1152	rBV	23109	48245	74.18%	8.622%
10	10.187	1379	1386	1394	rBV	37395	65041	100.00%	11.623%
11	10.248	1394	1396	1401	rVB2	696	861	1.32%	0.154%
12	11.077	1529	1532	1536	rBV4	382	735	1.13%	0.131%
13	11.382	1580	1582	1587	rVB3	613	874	1.34%	0.156%
14	11.497	1595	1601	1609	rVB	36795	57202	87.95%	10.222%
15	11.595	1613	1617	1626	rVB4	1159	2192	3.37%	0.392%
16	11.711	1630	1636	1641	rBV4	5493	10485	16.12%	1.874%
17	11.796	1641	1650	1653	rBV5	2073	4331	6.66%	0.774%
18	12.034	1686	1689	1696	rVB4	2402	3869	5.95%	0.691%
19	12.485	1755	1763	1770	rBV2	29924	60120	92.43%	10.744%
20	12.680	1789	1795	1797	rBV2	2771	4894	7.52%	0.875%
21	12.741	1797	1805	1808	rVV6	7283	19510	30.00%	3.487%
22	12.772	1808	1810	1815	rVV3	3765	5437	8.36%	0.972%
23	12.814	1815	1817	1822	rVV3	2685	3604	5.54%	0.644%
24	12.973	1838	1843	1849	rVV4	1611	3059	4.70%	0.547%
25	13.125	1863	1868	1875	rVB	11229	16441	25.28%	2.938%
26	13.272	1880	1892	1896	rBV8	1326	4128	6.35%	0.738%
27	13.333	1899	1902	1904	rVV4	832	1277	1.96%	0.228%
28	13.381	1904	1910	1911	rVV4	2576	4905	7.54%	0.877%
29	13.430	1912	1918	1928	rVB2	34236	59077	90.83%	10.557%
30	13.601	1940	1946	1947	rBV5	1326	2031	3.12%	0.363%
31	13.631	1947	1951	1954	rVV5	3054	3954	6.08%	0.707%
32	13.674	1954	1958	1960	rBV3	2057	3190	4.90%	0.570%
33	13.753	1969	1971	1974	rBV3	729	803	1.23%	0.144%
34	13.790	1974	1977	1979	rVV3	896	1226	1.88%	0.219%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012320\
Data File : VY001353.D
Acq On : 23 Jan 2020 14:58
Operator : SY/MD
Sample : L1215-02
Misc : 5.45G/5ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200031

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\82Y012120S.M
Title : SW846 8260

35	13.826	1979	1983	1987	rVB6	1508	2467	3.79%	0.441%
36	13.893	1987	1994	1996	rBV6	1722	2909	4.47%	0.520%
37	13.918	1996	1998	2002	rVB3	1643	2180	3.35%	0.390%
38	13.979	2002	2008	2015	rVB5	3912	6741	10.36%	1.205%
39	14.082	2019	2025	2033	rBV7	2773	6289	9.67%	1.124%
40	14.223	2044	2048	2051	rVB3	740	882	1.36%	0.158%
41	14.302	2057	2061	2063	rBV2	2662	3870	5.95%	0.692%
42	14.338	2063	2067	2071	rVV	4626	7057	10.85%	1.261%
43	14.381	2073	2074	2078	rVB4	1201	925	1.42%	0.165%
44	14.485	2087	2091	2095	rBV4	2186	3751	5.77%	0.670%
45	14.527	2096	2098	2099	rVV2	1007	758	1.17%	0.135%
46	14.564	2100	2104	2110	rVB8	3088	6503	10.00%	1.162%
47	14.613	2110	2112	2117	rVB5	1053	1605	2.47%	0.287%
48	14.686	2117	2124	2129	rBV8	5584	12661	19.47%	2.263%
49	14.948	2164	2167	2171	rVV4	1589	2583	3.97%	0.462%
50	15.058	2179	2185	2186	rBV3	2200	3058	4.70%	0.546%
51	15.100	2189	2192	2194	rVV3	1444	1939	2.98%	0.347%
52	15.119	2194	2195	2200	rVV4	1413	2027	3.12%	0.362%
53	15.161	2200	2202	2205	rVB3	609	701	1.08%	0.125%
54	15.253	2209	2217	2224	rBV8	2954	8906	13.69%	1.592%
55	15.344	2229	2232	2236	rVB4	642	993	1.53%	0.177%
56	15.405	2239	2242	2245	rBV4	713	852	1.31%	0.152%
57	15.533	2260	2263	2264	rBV2	1280	1009	1.55%	0.180%
58	15.552	2264	2266	2269	rVV4	1031	1371	2.11%	0.245%
59	15.576	2269	2270	2273	rVB3	1142	874	1.34%	0.156%
60	15.686	2281	2288	2291	rBV6	1075	1892	2.91%	0.338%
61	16.283	2383	2386	2387	rBV3	700	674	1.04%	0.120%
62	16.295	2387	2388	2393	rVB5	722	998	1.53%	0.178%
63	16.490	2416	2420	2423	rBV4	655	1089	1.67%	0.195%
64	16.551	2429	2430	2433	rBV3	866	677	1.04%	0.121%
65	16.753	2457	2463	2468	rBV6	1199	2687	4.13%	0.480%
66	16.966	2495	2498	2500	rBV3	825	831	1.28%	0.149%

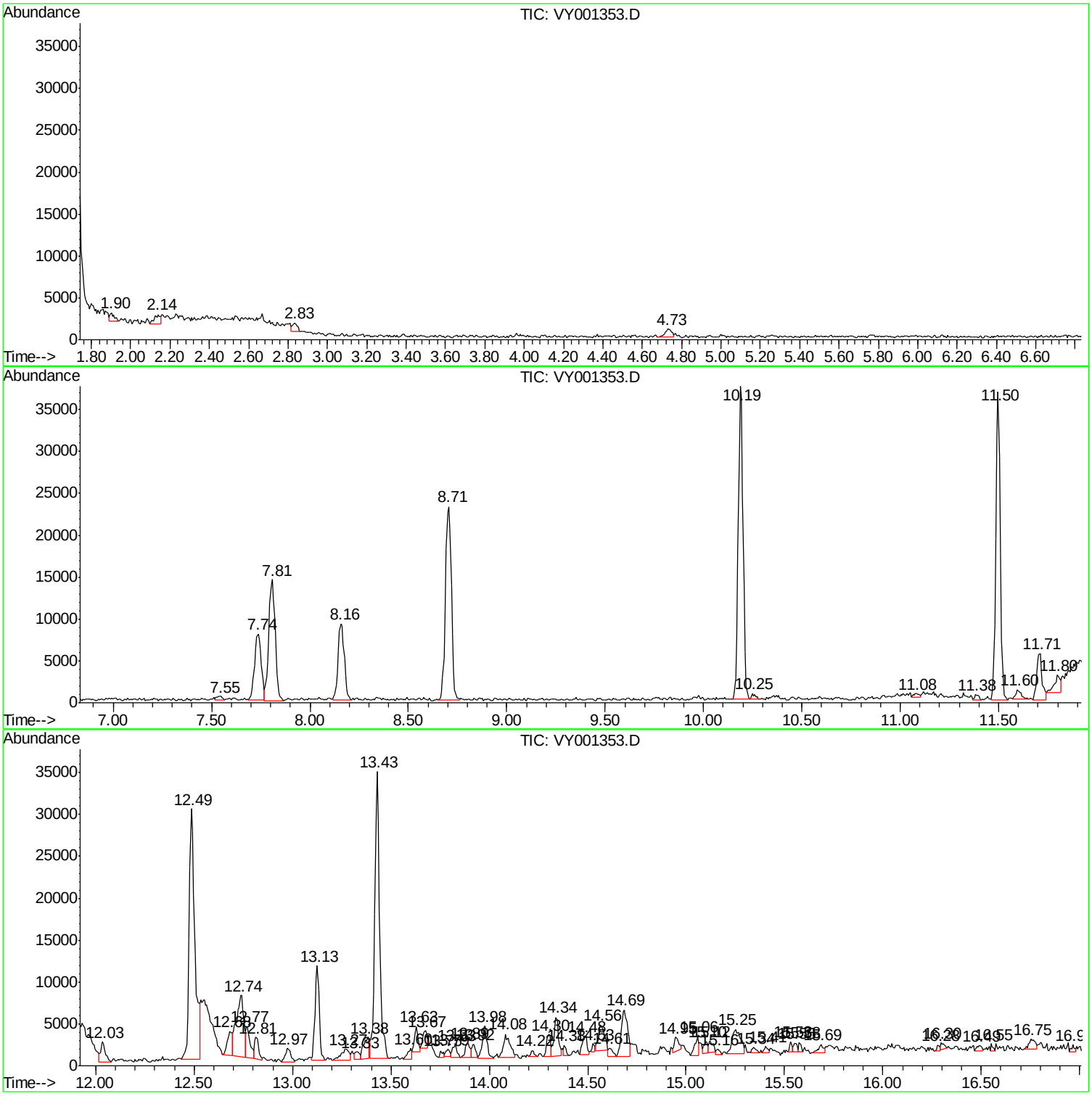
Sum of corrected areas: 559577

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012320\
Data File : VY001353.D
Acq On : 23 Jan 2020 14:58
Operator : SY/MD
Sample : L1215-02
Misc : 5.45G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200031

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012320\
Data File : VY001353.D
Acq On : 23 Jan 2020 14:58
Operator : SY/MD
Sample : L1215-02
Misc : 5.45G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200031

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

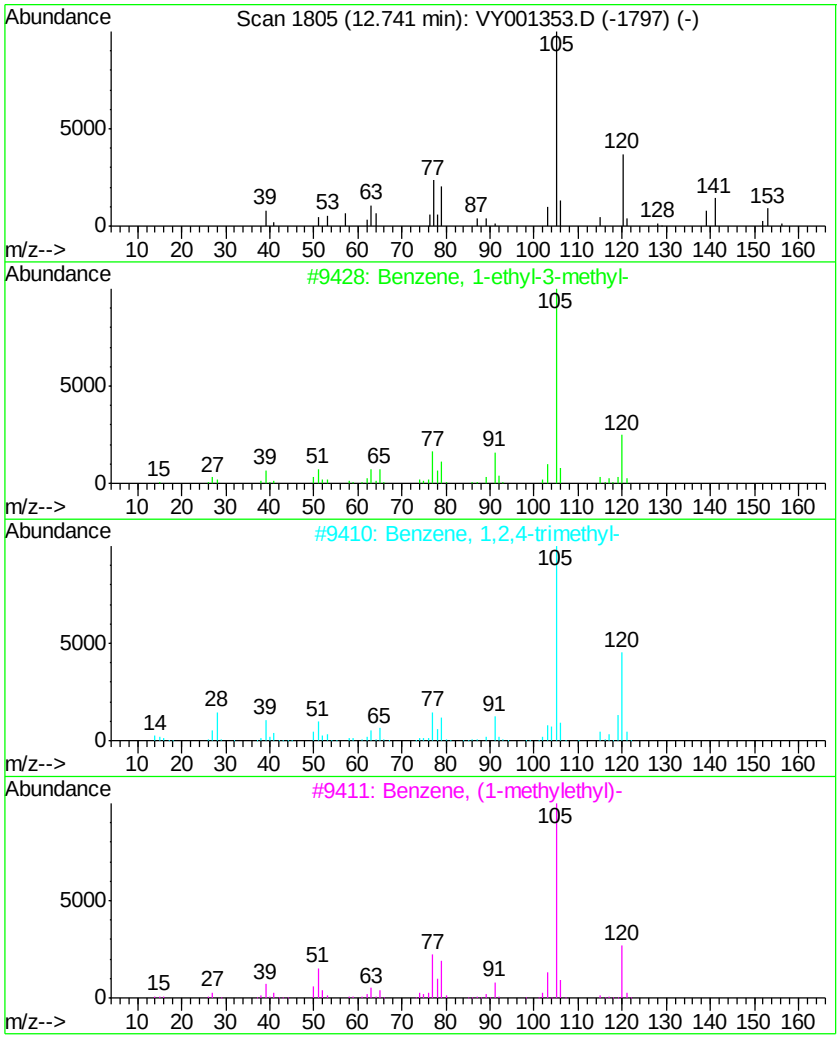
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

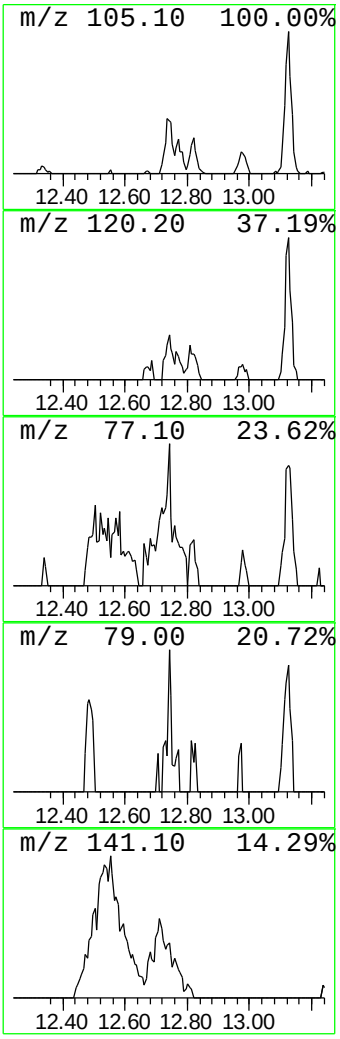
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	16.51 ug/l	19510	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	58
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	53
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	53
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	53
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012320\
Data File : VY001353.D
Acq On : 23 Jan 2020 14:58
Operator : SY/MD
Sample : L1215-02
Misc : 5.45G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200031

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

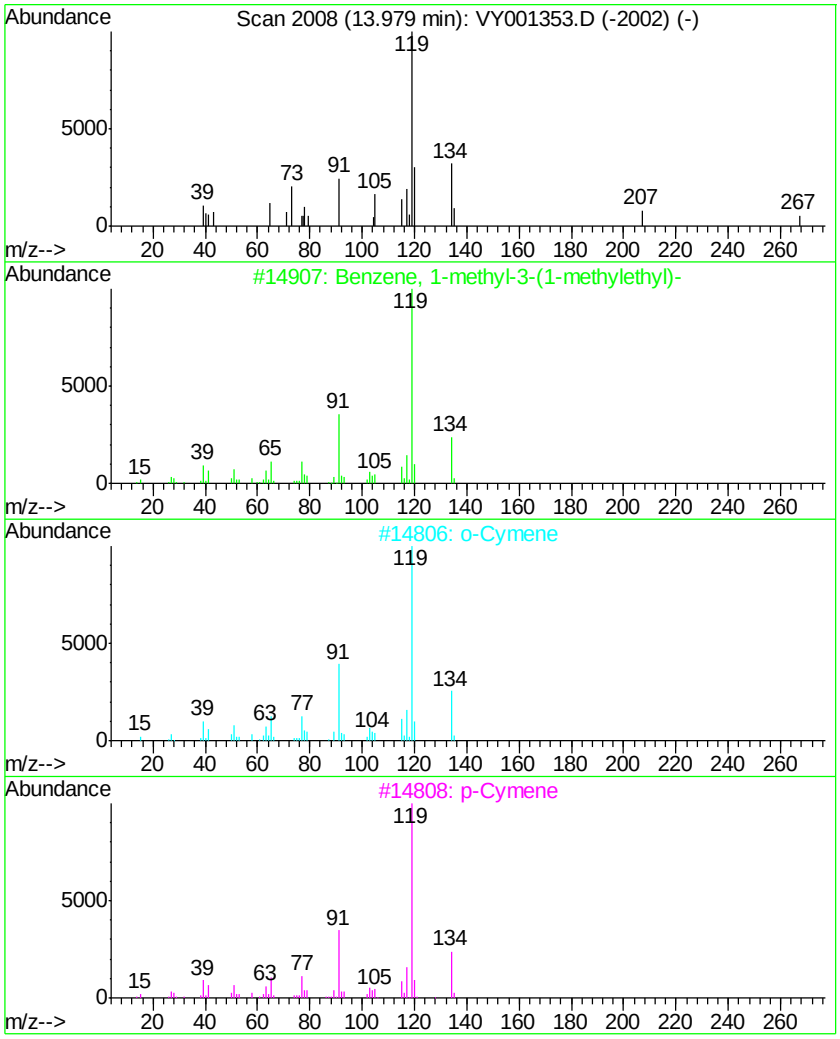
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

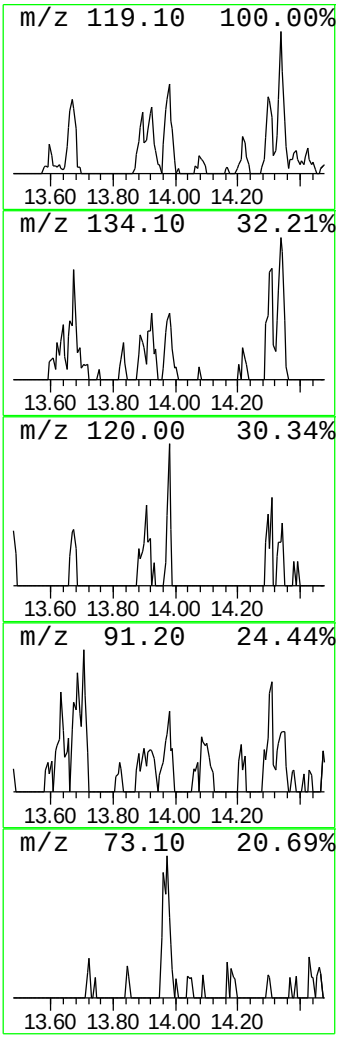
****

Peak Number 2 Benzene, 1-methyl-3-(1-meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	5.71 ug/l	6741	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
2	o-Cymene	134	C10H14	000527-84-4	64
3	p-Cymene	134	C10H14	000099-87-6	58
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	52
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012320\
Data File : VY001353.D
Acq On : 23 Jan 2020 14:58
Operator : SY/MD
Sample : L1215-02
Misc : 5.45G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200031

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

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

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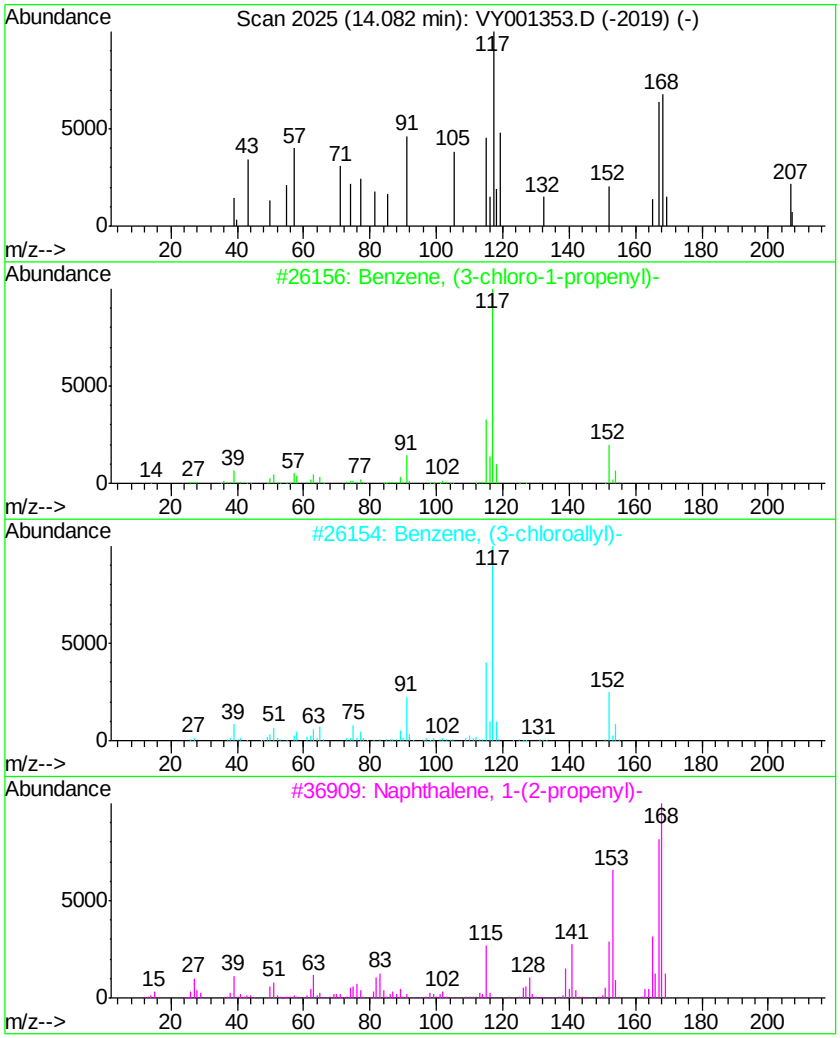
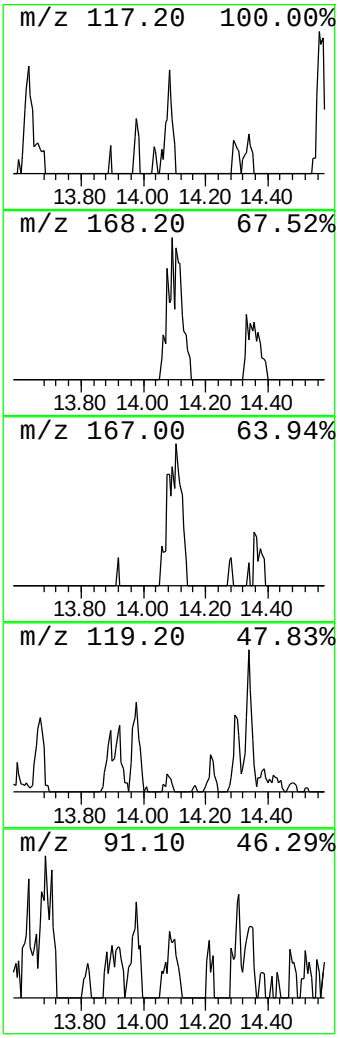
Peak Number 3 unknown14.08 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	5.32 ug/l	6289	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-chloro-1-propenyl)-	152	C9H9Cl	002687-12-9	35
2	Benzene, (3-chloroallyl)-	152	C9H9Cl	006268-37-7	35
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	22
4	Diphenylmethane	168	C13H12	000101-81-5	22
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	22





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012320\
Data File : VY001353.D
Acq On : 23 Jan 2020 14:58
Operator : SY/MD
Sample : L1215-02
Misc : 5.45G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200031

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

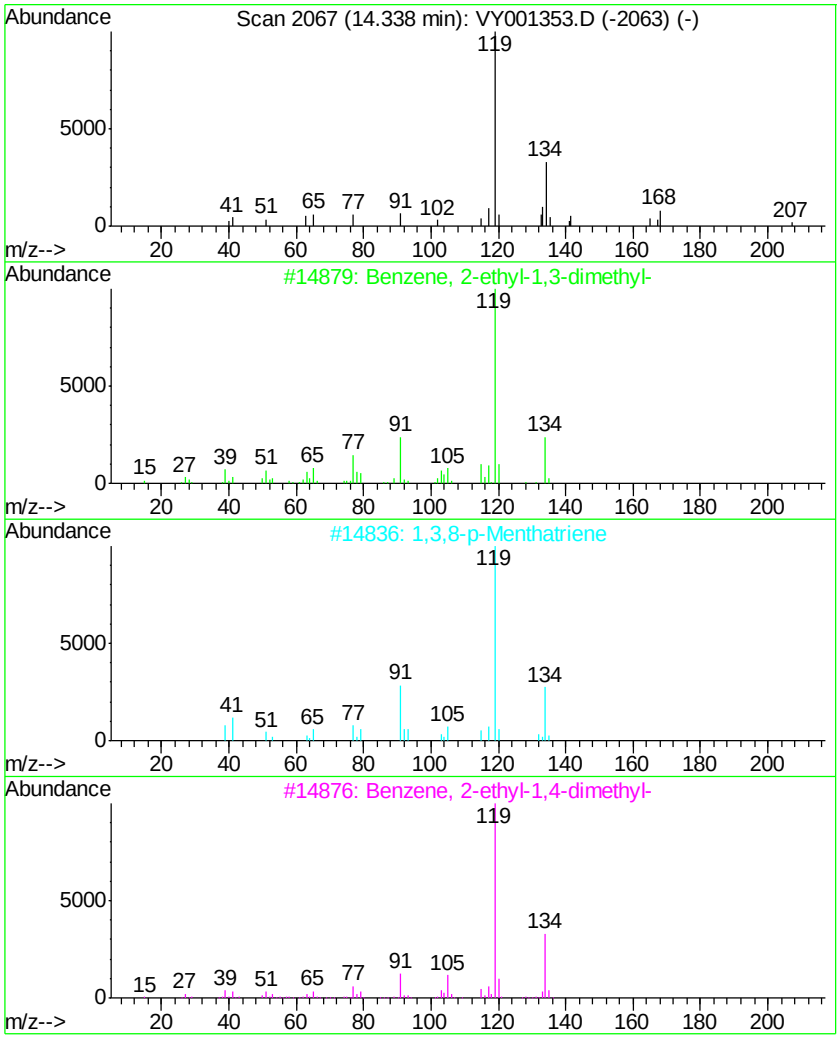
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

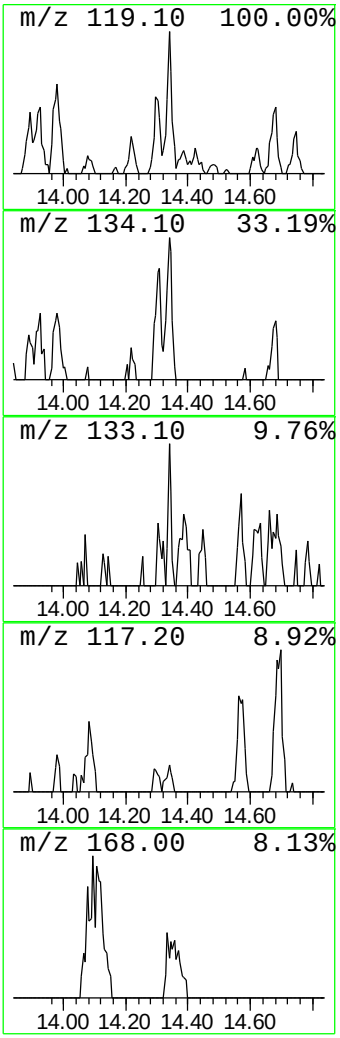
****

Peak Number 4 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	5.97 ug/l	7057	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
2	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	64
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	59
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	50
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012320\
Data File : VY001353.D
Acq On : 23 Jan 2020 14:58
Operator : SY/MD
Sample : L1215-02
Misc : 5.45G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200031

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

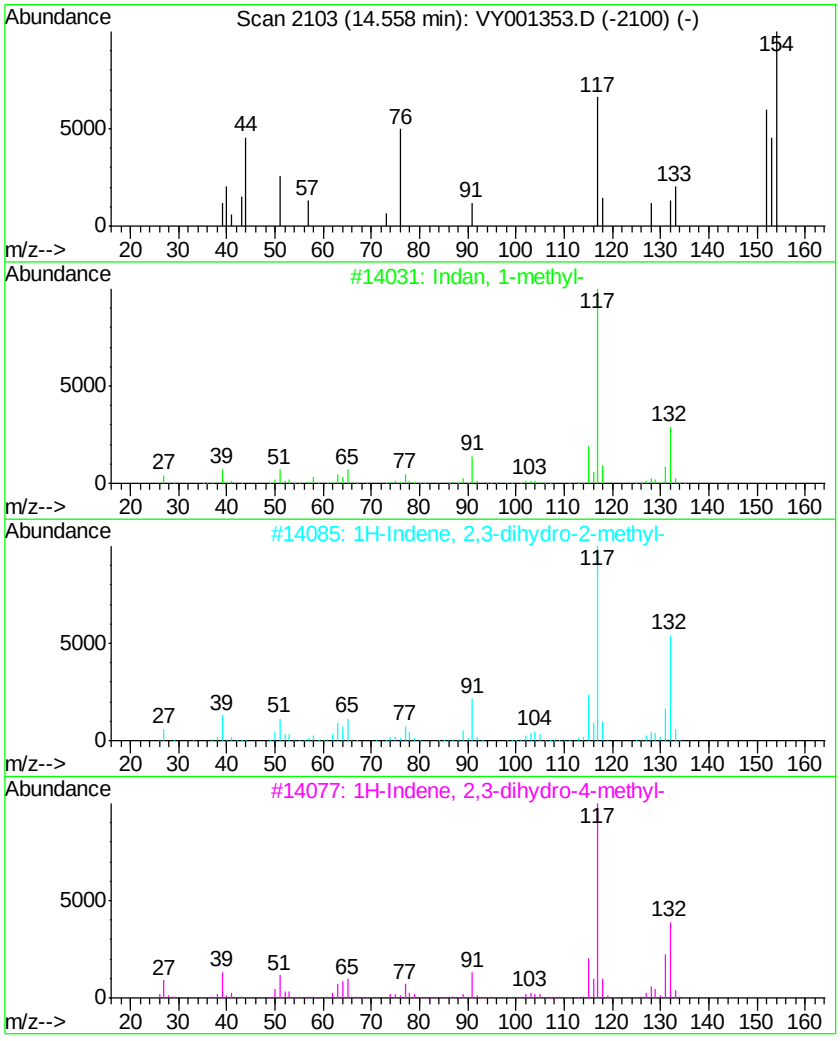
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

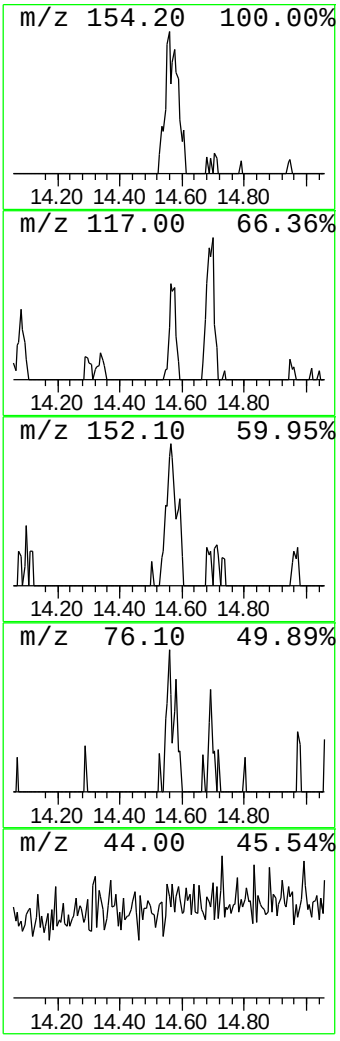
****

Peak Number 5 unknown14.56 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	5.50 ug/l	6503	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	25
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	25
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	22
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	22
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	22





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012320\
Data File : VY001353.D
Acq On : 23 Jan 2020 14:58
Operator : SY/MD
Sample : L1215-02
Misc : 5.45G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200031

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

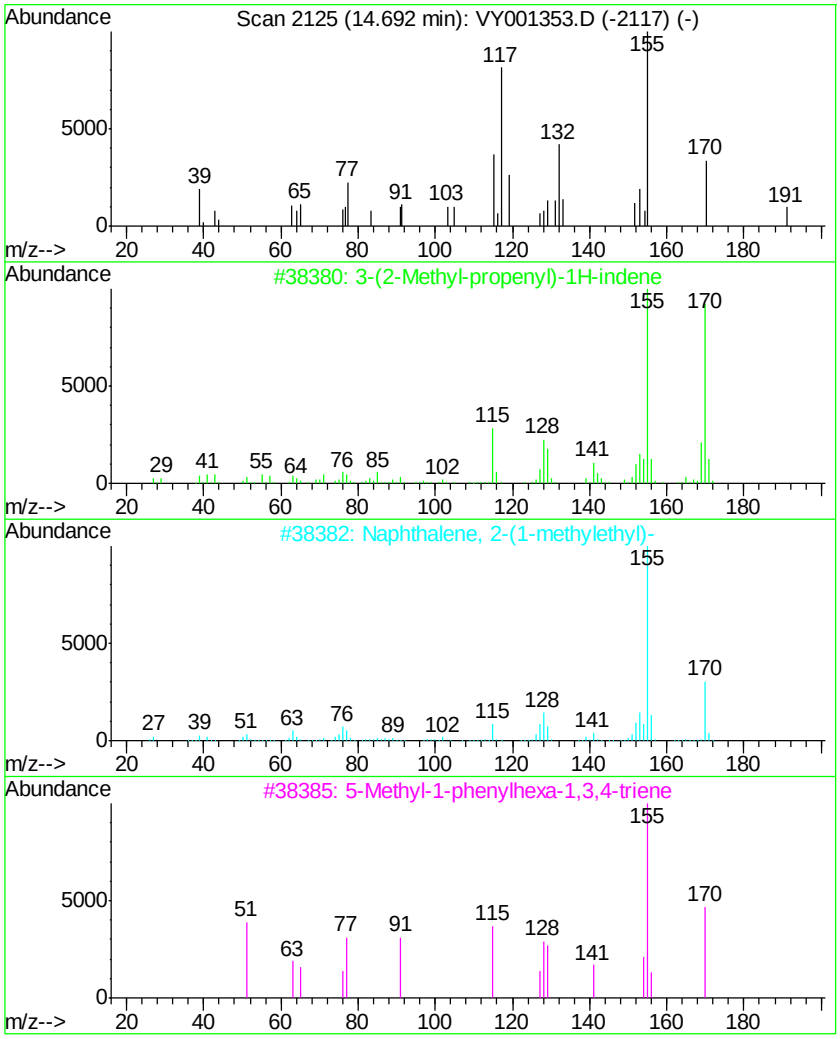
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

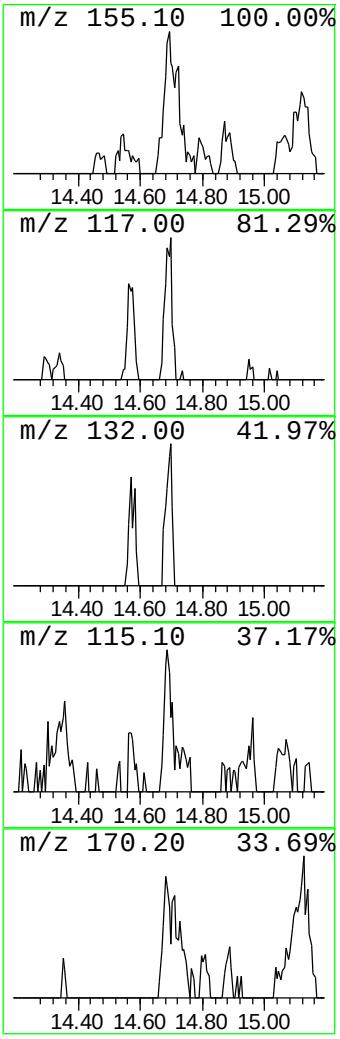
****

Peak Number 6 unknown14.69 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	10.72 ug/l	12661	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	41
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	38
3	5-Methyl-1-phenylhexa-1,3,4-triene	170	C13H14	103240-79-5	38
4	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	27
5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012320\
Data File : VY001353.D
Acq On : 23 Jan 2020 14:58
Operator : SY/MD
Sample : L1215-02
Misc : 5.45G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200031

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

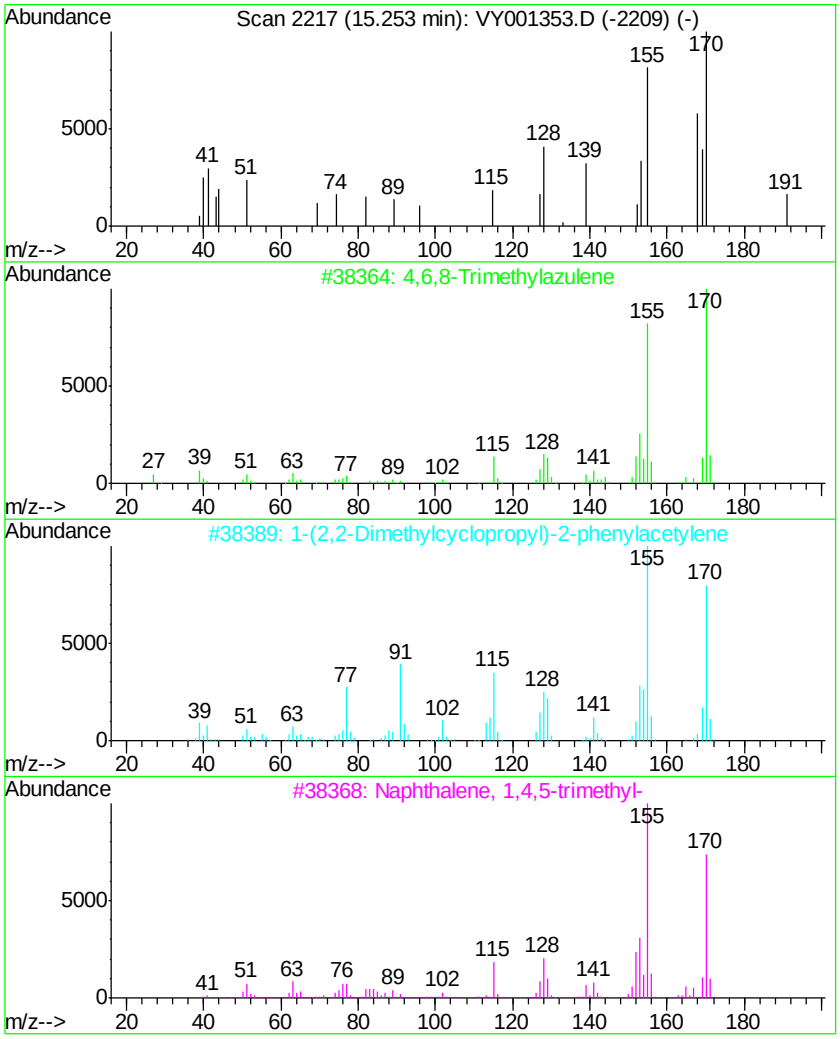
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

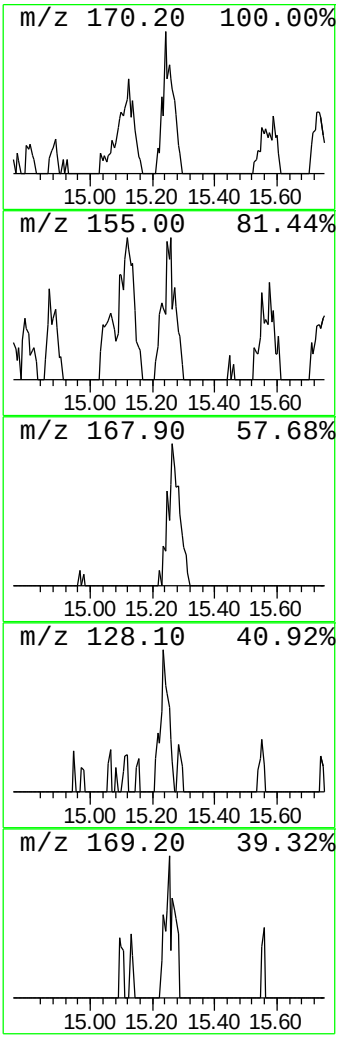
****

Peak Number 7 4,6,8-Trimethylazulene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	7.54 ug/l	8906	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	50
2	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	49
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	40
4	1H,3H-Thieno[3,4-c]thiophene, 4,...	170	C8H10S2	015441-54-0	38
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	37





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012320\
Data File : VY001353.D
Acq On : 23 Jan 2020 14:58
Operator : SY/MD
Sample : L1215-02
Misc : 5.45G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200031

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.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
Benzene, 1-ethyl-...	12.74	16.5	ug/l	19510	4	13.43	59077	50.0
Benzene, 1-methyl...	13.98	5.7	ug/l	6741	4	13.43	59077	50.0
unknown14.08	14.08	5.3	ug/l	6289	4	13.43	59077	50.0
Benzene, 2-ethyl-...	14.34	6.0	ug/l	7057	4	13.43	59077	50.0
unknown14.56	14.56	5.5	ug/l	6503	4	13.43	59077	50.0
unknown14.69	14.69	10.7	ug/l	12661	4	13.43	59077	50.0
4,6,8-Trimethylaz...	15.25	7.5	ug/l	8906	4	13.43	59077	50.0