LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003736.D
Acq On : 11 Dec 2020 18:43
Operator : SY/MD
Sample : L5063-06
Misc : 4.62G/10ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD8

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	2.058	36	39	40	rBV2	1797	1883	0.18%	0.028%
2	2.247	64	70	77	rBV	69618	111929	10.74%	1.667%
3	2.448	101	103	105	rBV3	757	731	0.07%	0.011%
4	2.772	148	156	166	rBV	62659	121650	11.68%	1.812%
5	2.900	175	177	178	rBV2	914	745	0.07%	0.011%
6	2.997	191	193	196	rVB3	813	760	0.07%	0.011%
7	3.064	202	204	211	rVB7	1429	2375	0.23%	0.035%
8	3.125	211	214	215	rVB3	642	599	0.06%	0.009%
9	3.156	215	219	220	rBV2	418	626	0.06%	0.009%
10	3.247	231	234	235	rVV3	647	755	0.07%	0.011%
11	3.265	235	237	241	rVV4	1208	1501	0.14%	0.022%
12	3.326	245	247	251	rVB3	581	642	0.06%	0.010%
13	3.528	278	280	285	rBV3	357	398	0.04%	0.006%
14	3.607	292	293	298	rVB3	496	412	0.04%	0.006%
15	3.680	301	305	311	rBV3	551	911	0.09%	0.014%
16	3.863	325	335	347	rBV	125750	335780	32.23%	5.000%
17	4.107	371	375	377	rVB2	416	522	0.05%	0.008%
18	4.204	386	391	392	rBV2	873	1211	0.12%	0.018%
19	4.283	403	404	408	rVB2	590	616	0.06%	0.009%
20	4.418	422	426	427	rBV3	493	664	0.06%	0.010%
21	4.716	467	475	476	rBV3	4998	7378	0.71%	0.110%
22	4.942	509	512	514	rBV3	861	976	0.09%	0.015%
23	5.235	557	560	563	rVB2	419	424	0.04%	0.006%
24	5.527	606	608	611	rVV3	489	497	0.05%	0.007%
25	5.613	619	622	625	rVV3	380	498	0.05%	0.007%
26	5.759	637	646	654	rVV6	1595	5409	0.52%	0.081%
27	6.149	705	710	712	rBV3	289	410	0.04%	0.006%
28	6.698	798	800	804	rVB2	499	443	0.04%	0.007%
29	6.789	813	815	819	rBV2	330	454	0.04%	0.007%
30	6.899	823	833	843	rBV2	40071	117386	11.27%	1.748%
31	6.996	844	849	860	rVB	8076	22858	2.19%	0.340%
32	7.490	917	930	944	rVB2	167327	416603	39.99%	6.204%
33	7.606	946	949	952	rBV4	469	606	0.06%	0.009%
34	7.691	958	963	964	rBV4	837	1210	0.12%	0.018%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003736.D
Acq On : 11 Dec 2020 18:43
Operator : SY/MD
Sample : L5063-06
Misc : 4.62G/10ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD8

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	7.905	994	998	999	rVV3	388	548	0.05%	0.008%
36	8.033	1016	1019	1021	rBV3	377	507	0.05%	0.008%
37	8.118	1023	1033	1049	rBV2	349695	1041722	100.00%	15.513%
38	8.484	1089	1093	1099	rVB	690	938	0.09%	0.014%
39	8.533	1099	1101	1103	rBV2	619	643	0.06%	0.010%
40	8.691	1118	1127	1140	rBV	333083	669239	64.24%	9.966%
41	8.838	1149	1151	1157	rVB2	488	417	0.04%	0.006%
42	8.929	1159	1166	1172	rBV2	11778	22250	2.14%	0.331%
43	9.124	1190	1198	1208	rBV	242065	474796	45.58%	7.071%
44	9.478	1252	1256	1257	rBV2	391	401	0.04%	0.006%
45	9.514	1257	1262	1267	rVB4	1890	3244	0.31%	0.048%
46	9.575	1271	1272	1278	rVB4	555	644	0.06%	0.010%
47	9.770	1301	1304	1306	rBV2	515	571	0.05%	0.009%
48	9.892	1315	1324	1331	rBV	116576	205275	19.71%	3.057%
49	9.984	1337	1339	1343	rVB3	1428	1105	0.11%	0.016%
50	10.069	1351	1353	1360	rVB5	781	1252	0.12%	0.019%
51	10.179	1364	1371	1379	rVV	390047	692100	66.44%	10.307%
52	10.246	1379	1382	1387	rVB3	2195	3054	0.29%	0.045%
53	10.441	1406	1414	1422	rVV	72076	122431	11.75%	1.823%
54	10.581	1430	1437	1447	rVB	29813	52168	5.01%	0.777%
55	10.715	1455	1459	1464	rBV4	1038	1453	0.14%	0.022%
56	10.788	1464	1471	1481	rBV	164899	263714	25.32%	3.927%
57	10.953	1491	1498	1508	rBV2	14334	32484	3.12%	0.484%
58	11.160	1528	1532	1536	rVB5	622	1333	0.13%	0.020%
59	11.319	1551	1558	1566	rBV	18749	31451	3.02%	0.468%
60	11.398	1568	1571	1574	rVB3	436	541	0.05%	0.008%
61	11.490	1579	1586	1594	rBV	348863	558695	53.63%	8.320%
62	11.581	1598	1601	1602	rBV2	512	486	0.05%	0.007%
63	11.599	1602	1604	1607	rVB3	470	464	0.04%	0.007%
64	11.666	1611	1615	1617	rBV4	755	1181	0.11%	0.018%
65	11.697	1618	1620	1625	rVB5	589	871	0.08%	0.013%
66	11.758	1628	1630	1633	rVB4	617	660	0.06%	0.010%
67	11.831	1638	1642	1643	rBV2	601	676	0.06%	0.010%
68	12.093	1683	1685	1687	rVB	577	460	0.04%	0.007%
69	12.142	1692	1693	1698	rBV3	515	769	0.07%	0.011%
70	12.197	1698	1702	1703	rBV2	414	458	0.04%	0.007%
71	12.209	1703	1704	1707	rVV2	586	603	0.06%	0.009%

LSC Area Percent Report

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Operator : SY/MD
Sample : L5063-06
Misc : 4.62G/10ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD8

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	12.343	1721	1726	1727	rBV3	1204	1888	0.18%	0.028%
73	12.392	1727	1734	1737	rBV6	4540	11004	1.06%	0.164%
74	12.489	1745	1750	1756	rVV	36320	61324	5.89%	0.913%
75	12.556	1756	1761	1770	rVB	158990	265145	25.45%	3.949%
76	12.617	1770	1771	1772	rBV	630	406	0.04%	0.006%
77	12.642	1772	1775	1776	rBV3	815	667	0.06%	0.010%
78	12.697	1781	1784	1787	rVB3	490	466	0.04%	0.007%
79	12.745	1789	1792	1793	rBV2	654	757	0.07%	0.011%
80	12.831	1800	1806	1810	rBV7	3034	6529	0.63%	0.097%
81	12.880	1812	1814	1815	rVV2	1049	750	0.07%	0.011%
82	12.965	1815	1828	1838	rVV6	16147	72862	6.99%	1.085%
83	13.184	1860	1864	1870	rVB2	7581	12913	1.24%	0.192%
84	13.245	1872	1874	1875	rBV2	912	642	0.06%	0.010%
85	13.282	1878	1880	1886	rVB6	1831	1992	0.19%	0.030%
86	13.349	1890	1891	1895	rBV3	817	536	0.05%	0.008%
87	13.422	1895	1903	1910	rBV	169657	274101	26.31%	4.082%
88	13.483	1911	1913	1917	rBV5	1172	1185	0.11%	0.018%
89	13.520	1917	1919	1920	rBV	1320	924	0.09%	0.014%
90	13.562	1924	1926	1930	rVB4	2829	3588	0.34%	0.053%
91	13.648	1937	1940	1941	rBV2	3506	3854	0.37%	0.057%
92	13.721	1946	1952	1959	rVB	170908	277042	26.59%	4.126%
93	13.885	1974	1979	1984	rBV5	5584	8908	0.86%	0.133%
94	13.965	1988	1992	1996	rVV2	8319	12340	1.18%	0.184%
95	14.202	2029	2031	2035	rBV5	2931	4262	0.41%	0.063%
96	14.257	2036	2040	2043	rBV4	7441	11995	1.15%	0.179%
97	14.422	2063	2067	2070	rBV3	17373	25470	2.44%	0.379%
98	14.849	2133	2137	2139	rBV2	27050	43375	4.16%	0.646%
99	15.117	2178	2181	2189	rVB4	51309	87984	8.45%	1.310%
100	15.605	2257	2261	2268	rVB4	94719	172565	16.57%	2.570%

Sum of corrected areas: 6714940

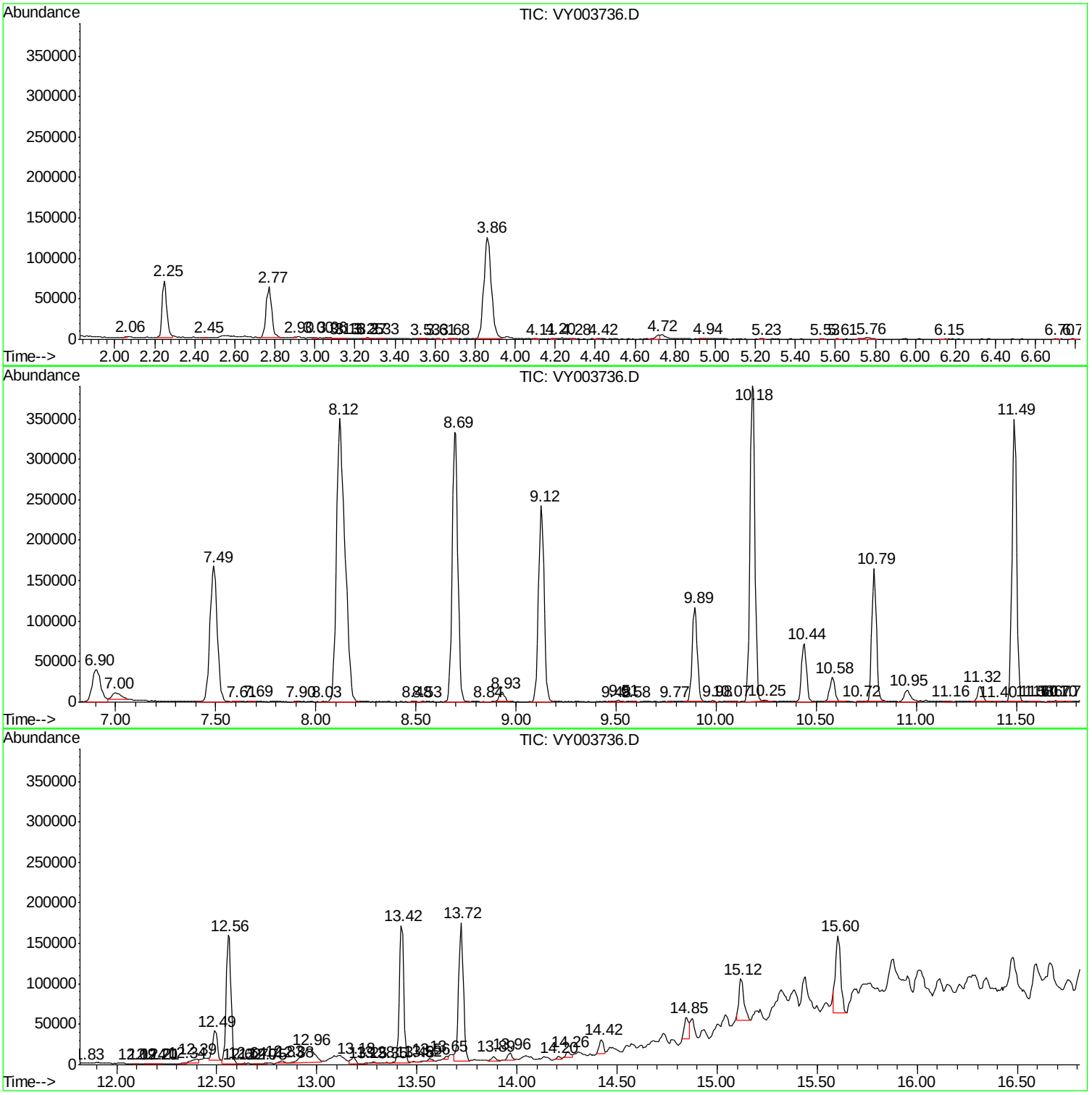
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003736.D
Acq On : 11 Dec 2020 18:43
Operator : SY/MD
Sample : L5063-06
Misc : 4.62G/10ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD8

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 : VY003736.D
Acq On : 11 Dec 2020 18:43
Operator : SY/MD
Sample : L5063-06
Misc : 4.62G/10ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD8

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

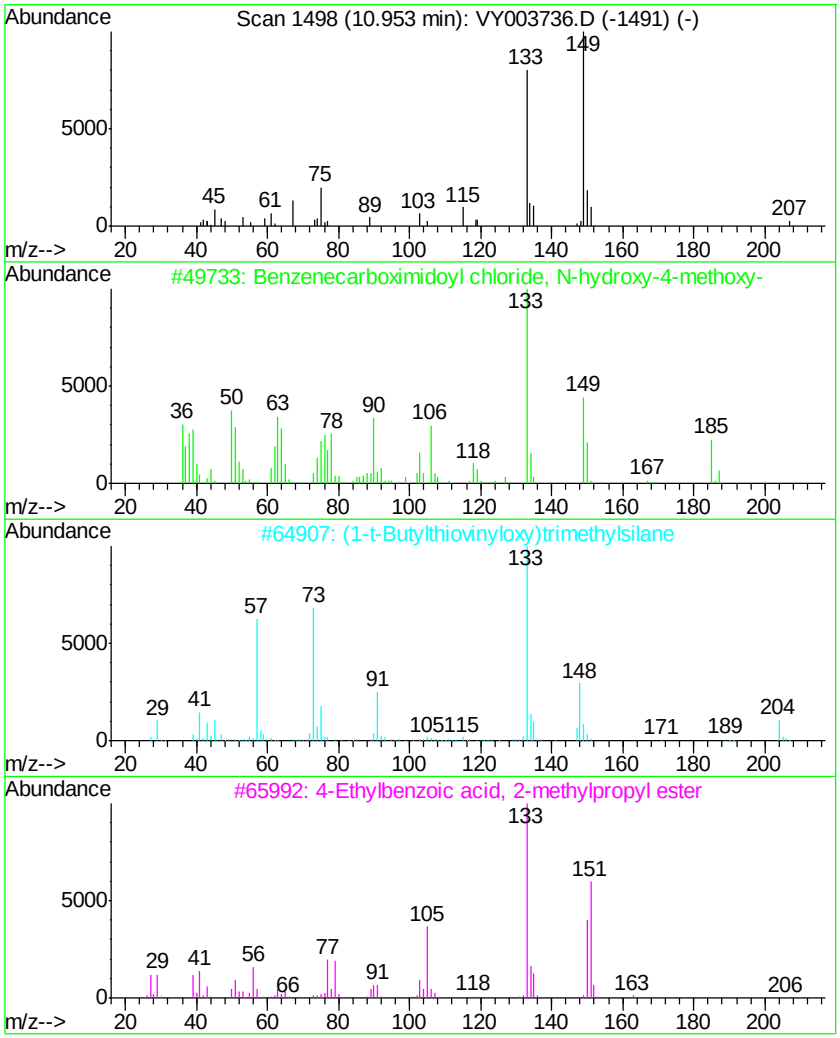
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

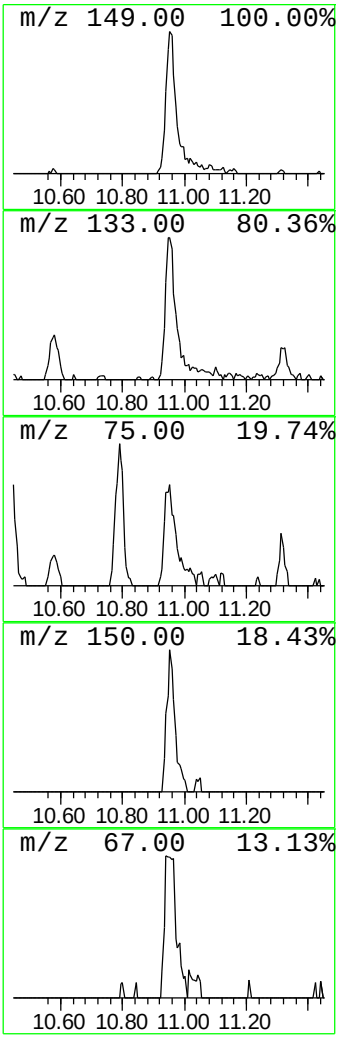
****

Peak Number 3 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	1.45 ug/L	32484	Chlorobenzene-d5	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenecarboximidoyl chloride, N...	185	C8H8ClNO2	1000362-64-9	28
2	(1-t-Butylthiovinyloxy)trimethyl...	204	C9H20OSSi	063584-47-4	25
3	4-Ethylbenzoic acid, 2-methylpro...	206	C13H18O2	1000293-49-4	25
4	4-Ethylbenzoic acid, 2,2-dimethy...	220	C14H20O2	1000293-49-5	23
5	Acetophenone, 3-methoxymethyl-	164	C10H12O2	1000159-01-9	23





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003736.D
Acq On : 11 Dec 2020 18:43
Operator : SY/MD
Sample : L5063-06
Misc : 4.62G/10ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD8

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

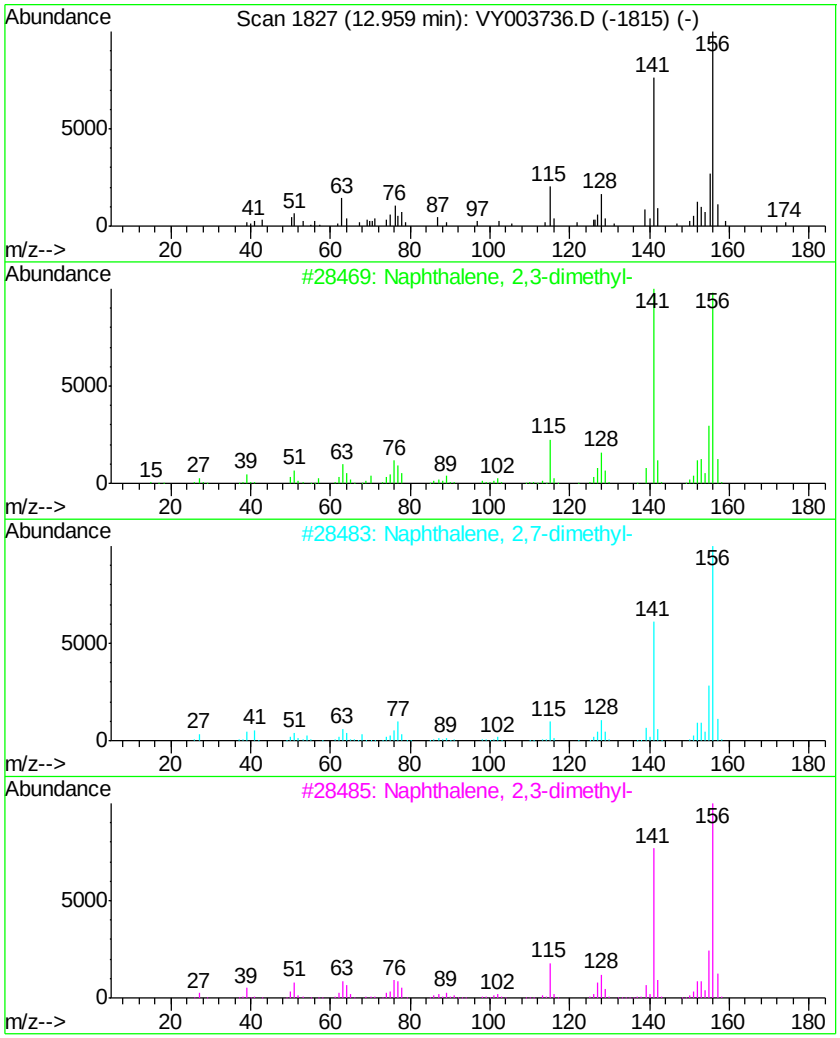
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

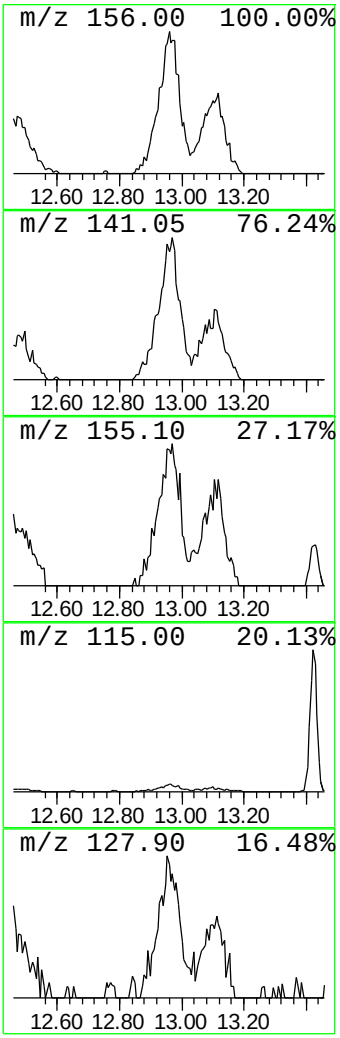
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	6.65 ug/L	72862	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003736.D
Acq On : 11 Dec 2020 18:43
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Misc : 4.62G/10ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD8

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

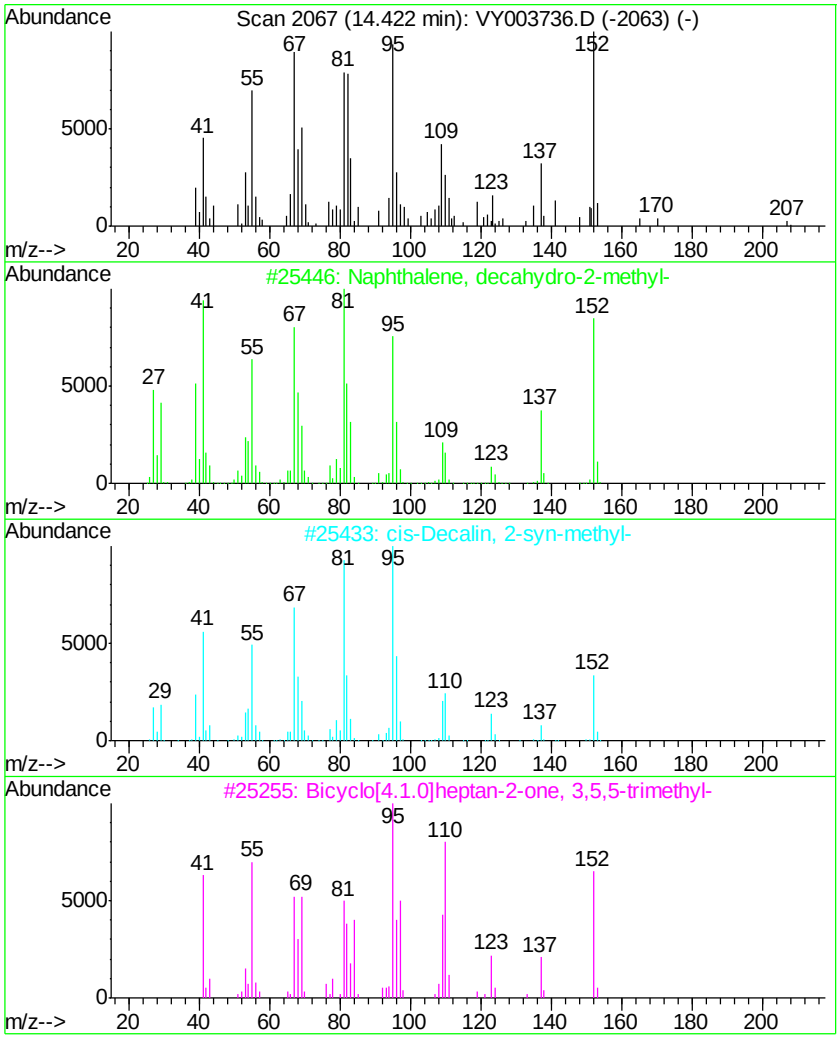
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

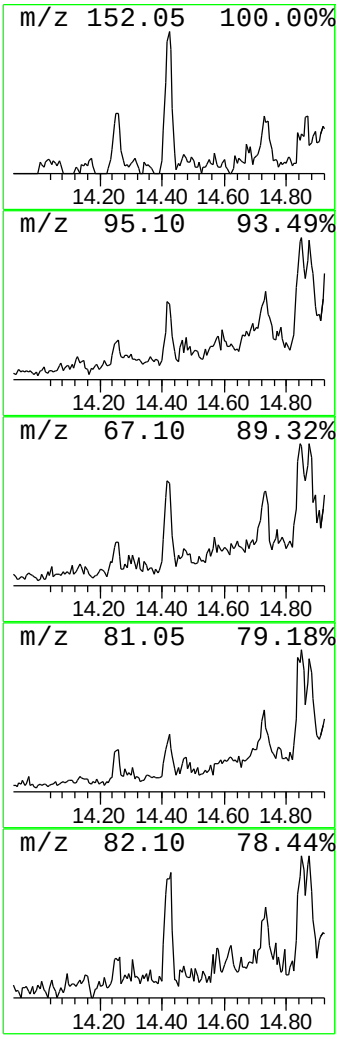
****

Peak Number 7 Naphthalene, decahydro-2-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	2.32 ug/L	25470	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
2	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	76
3	Bicyclo[4.1.0]heptan-2-one, 3,5,...	152	C10H16O	029750-24-1	70
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	000529-00-0	60
5	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	007764-50-3	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
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Acq On : 11 Dec 2020 18:43
Operator : SY/MD
Sample : L5063-06
Misc : 4.62G/10ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD8

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

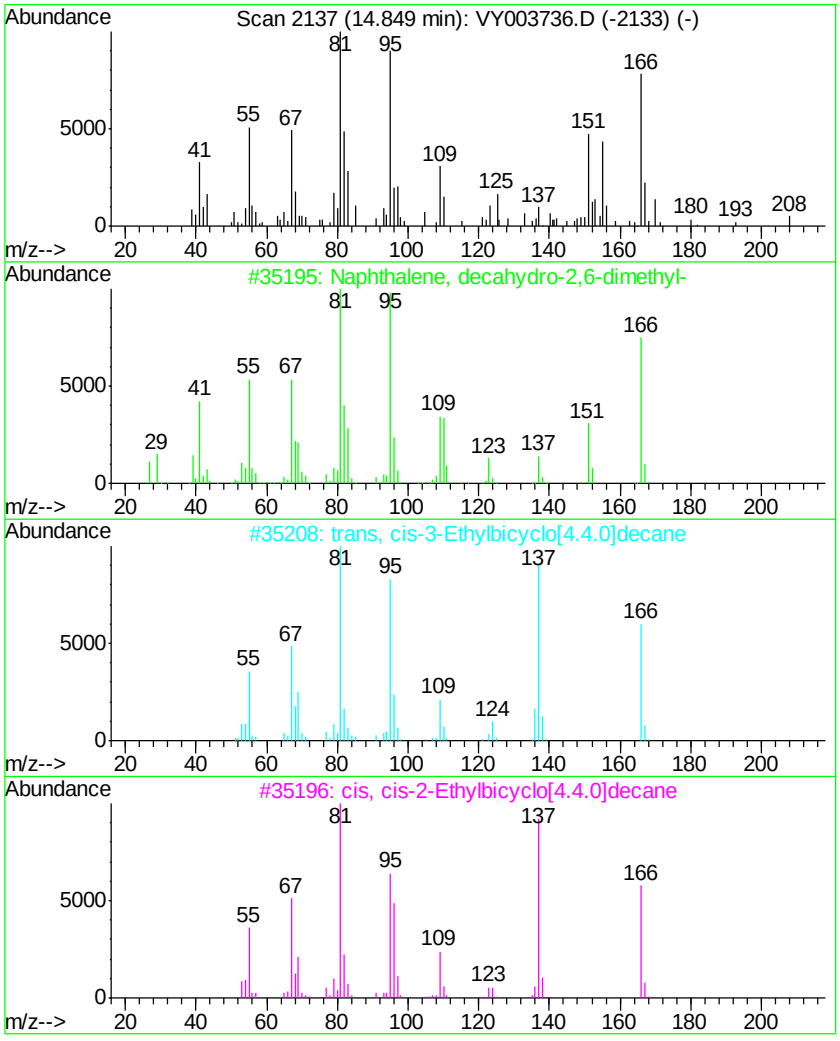
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

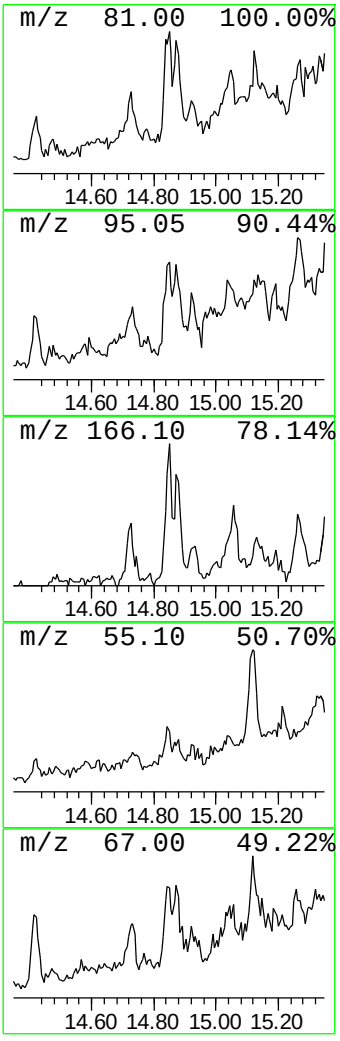
****

Peak Number 8 Naphthalene, decahydro-2,6-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	3.96 ug/L	43375	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	86
2	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	58
3	cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	52
4	cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	52
5	Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003736.D
Acq On : 11 Dec 2020 18:43
Operator : SY/MD
Sample : L5063-06
Misc : 4.62G/10ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD8

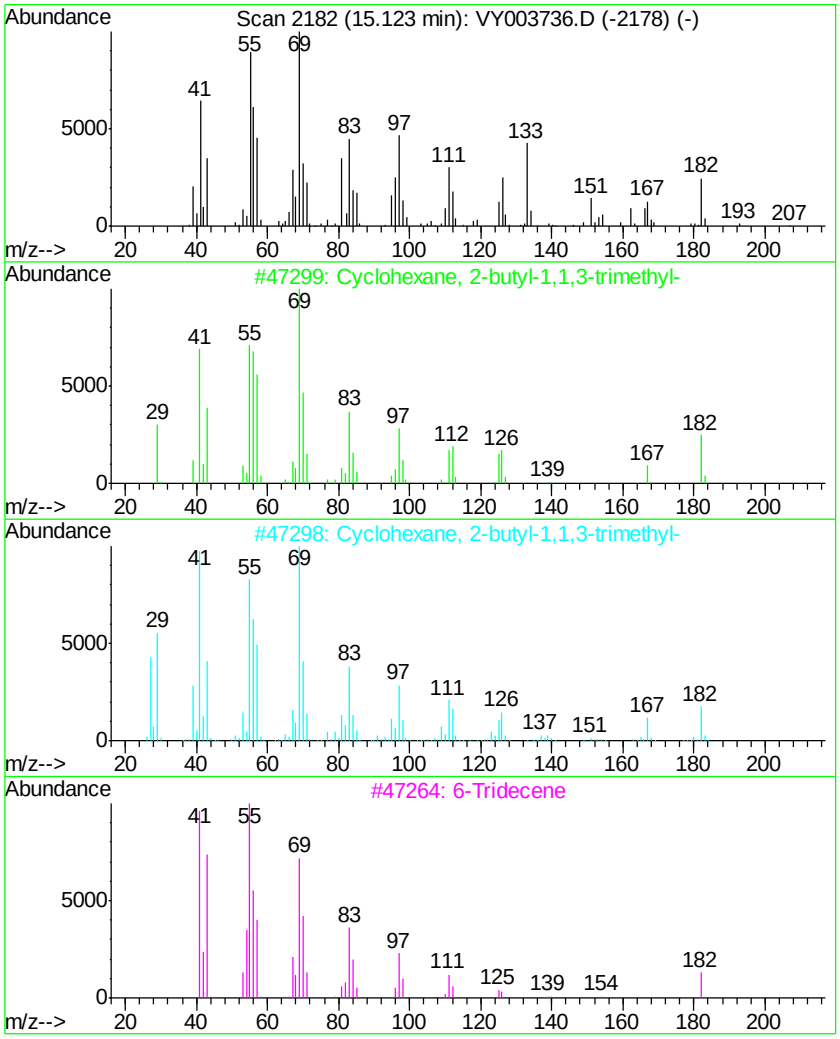
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

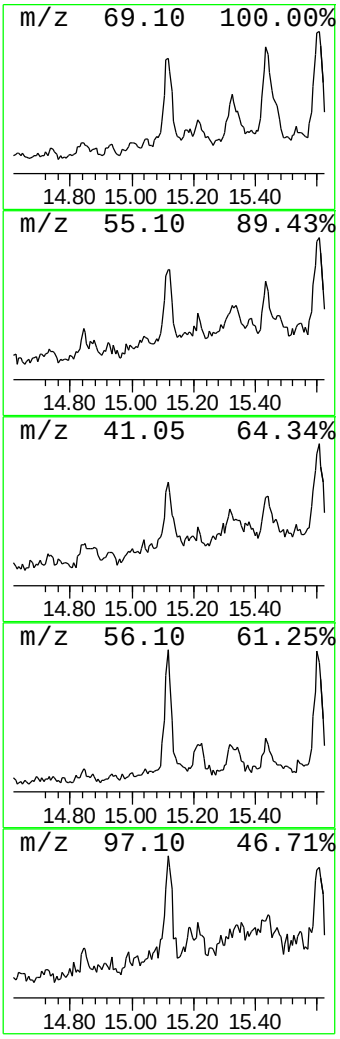
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic15.12 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	8.02 ug/L	87984	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	95
2	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	81
3	6-Tridecene	182	C13H26	024949-38-0	70
4	6-Tridecene, (E)-	182	C13H26	006434-76-0	62
5	2-Tridecene, (Z)-	182	C13H26	041446-59-7	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003736.D
Acq On : 11 Dec 2020 18:43
Operator : SY/MD
Sample : L5063-06
Misc : 4.62G/10ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD8

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

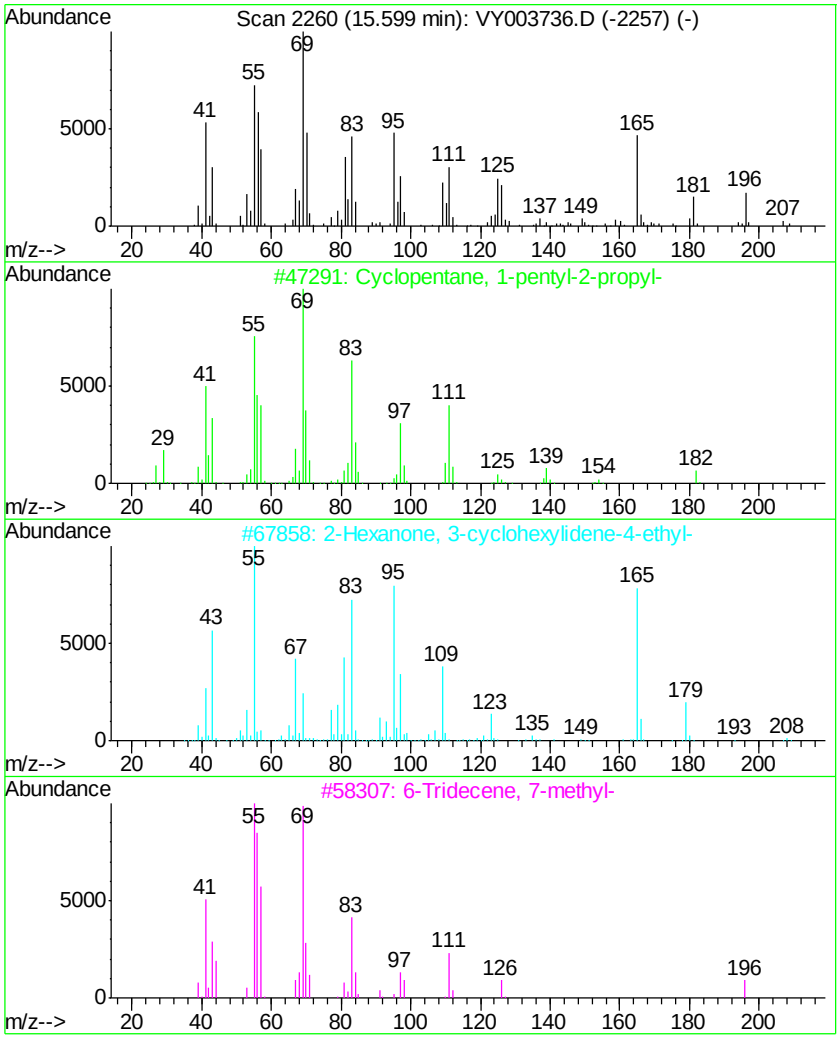
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

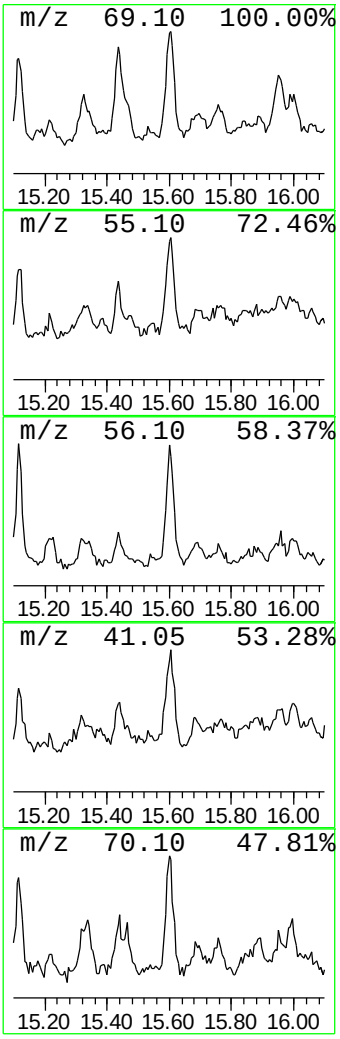
****

Peak Number 10 (DEL) Alkane: Cyclic15.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	15.74 ug/L	172565	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-pentyl-2-propyl-	182	C13H26	062199-51-3	50
2	2-Hexanone, 3-cyclohexylidene-4-...	208	C14H24O	1000150-19-2	50
3	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	46
4	Bicyclo[2.2.1]heptane-2,5-dione,...	166	C10H14O2	004230-32-4	43
5	Triallylsilane	152	C9H16Si	001116-62-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003736.D
Acq On : 11 Dec 2020 18:43
Operator : SY/MD
Sample : L5063-06
Misc : 4.62G/10ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD8

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
unknown-01	10.95	1.5	ug/L	32484	2	11.49	558695	25.0
Naphthalene, 2,3-...	12.96	6.7	ug/L	72862	3	13.42	274101	25.0
Naphthalene, deca...	14.42	2.3	ug/L	25470	3	13.42	274101	25.0
Naphthalene, deca...	14.85	4.0	ug/L	43375	3	13.42	274101	25.0
(DEL) Alkane: Cyc...	15.12	8.0	ug/L	87984	3	13.42	274101	25.0
(DEL) Alkane: Cyc...	15.60	15.7	ug/L	172565	3	13.42	274101	25.0