LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
Data File : VD064765.D
Acq On : 04 Jan 2020 07:22
Operator : VA/SY
Sample : K6484-50
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 30544-46-66

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_D\METHOD\82D122419S.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	4.168	372	382	392	rBV	53307	152358	8.85%	0.822%
2	4.462	421	432	442	rBV5	5273	18389	1.07%	0.099%
3	4.956	505	516	517	rBV5	12929	21541	1.25%	0.116%
4	7.226	893	902	911	rBV3	14004	39116	2.27%	0.211%
5	7.920	1008	1020	1025	rBV	244690	604584	35.12%	3.263%
6	7.979	1025	1030	1040	rVB	444501	987781	57.39%	5.331%
7	8.332	1080	1090	1103	rBV	208966	477702	27.75%	2.578%
8	8.867	1172	1181	1193	rBV	642001	1264259	73.45%	6.824%
9	10.232	1407	1413	1418	rBV2	16943	31458	1.83%	0.170%
10	10.344	1422	1432	1437	rVV	948401	1721320	100.00%	9.290%
11	10.403	1437	1442	1454	rVV	539363	1004683	58.37%	5.423%
12	10.520	1457	1462	1469	rVB2	13889	27134	1.58%	0.146%
13	11.432	1609	1617	1625	rVB6	11301	30558	1.78%	0.165%
14	11.532	1628	1634	1640	rBV3	12105	19570	1.14%	0.106%
15	11.650	1646	1654	1663	rBV	830796	1463901	85.05%	7.901%
16	11.750	1664	1671	1680	rVV	160851	282657	16.42%	1.526%
17	11.855	1680	1689	1699	rVV	686896	1265996	73.55%	6.833%
18	12.185	1735	1745	1752	rBV	342193	588540	34.19%	3.176%
19	12.397	1776	1781	1790	rVB9	13886	34790	2.02%	0.188%
20	12.491	1790	1797	1807	rBV	285335	502302	29.18%	2.711%
21	12.638	1816	1822	1831	rBV	678633	1096358	63.69%	5.917%
22	12.738	1835	1839	1847	rVB2	65099	119821	6.96%	0.647%
23	12.826	1847	1854	1859	rBV2	63085	102314	5.94%	0.552%
24	12.891	1859	1865	1868	rBV	233570	391817	22.76%	2.115%
25	12.920	1868	1870	1874	rVV	113107	167412	9.73%	0.904%
26	12.961	1874	1877	1884	rVB2	123306	220907	12.83%	1.192%
27	13.049	1884	1892	1899	rVB2	71992	124734	7.25%	0.673%
28	13.126	1899	1905	1912	rBV	98771	167203	9.71%	0.902%
29	13.273	1922	1930	1938	rBV	378913	627821	36.47%	3.389%
30	13.408	1946	1953	1957	rBV5	17197	32957	1.91%	0.178%
31	13.473	1959	1964	1966	rVV3	33369	56580	3.29%	0.305%
32	13.526	1968	1973	1977	rVV	98096	170339	9.90%	0.919%
33	13.585	1977	1983	1993	rVV2	883938	1621672	94.21%	8.753%
34	13.679	1993	1999	2007	rVV	190372	328289	19.07%	1.772%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
Data File : VD064765.D
Acq On : 04 Jan 2020 07:22
Operator : VA/SY
Sample : K6484-50
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 30544-46-66

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_D\METHOD\82D122419S.M
Title : SW846 8260

35	13.749	2007	2011	2012	rVV3	36194	50672	2.94%	0.273%
36	13.785	2012	2017	2021	rVV2	192237	356448	20.71%	1.924%
37	13.820	2021	2023	2034	rVV4	81899	162063	9.42%	0.875%
38	13.908	2034	2038	2043	rVB6	24995	43043	2.50%	0.232%
39	13.979	2045	2050	2054	rVV	35630	56760	3.30%	0.306%
40	14.038	2055	2060	2063	rVV2	45397	76050	4.42%	0.410%
41	14.073	2063	2066	2070	rVV	46308	64245	3.73%	0.347%
42	14.126	2070	2075	2081	rVB	66248	105753	6.14%	0.571%
43	14.191	2081	2086	2089	rBV4	22349	36807	2.14%	0.199%
44	14.238	2089	2094	2100	rVB	79053	127272	7.39%	0.687%
45	14.320	2100	2108	2113	rBV6	36198	70582	4.10%	0.381%
46	14.373	2113	2117	2120	rVB4	21428	30800	1.79%	0.166%
47	14.420	2120	2125	2127	rBV5	13639	17230	1.00%	0.093%
48	14.485	2127	2136	2141	rVV3	59881	186415	10.83%	1.006%
49	14.538	2141	2145	2147	rVV4	20642	23999	1.39%	0.130%
50	14.573	2148	2151	2156	rVB5	14274	22698	1.32%	0.123%
51	14.679	2165	2169	2172	rVB6	18744	24786	1.44%	0.134%
52	14.726	2172	2177	2182	rBV3	76126	141149	8.20%	0.762%
53	14.843	2189	2197	2203	rBV5	102075	242039	14.06%	1.306%
54	14.896	2203	2206	2211	rVB3	12171	18206	1.06%	0.098%
55	14.996	2218	2223	2230	rVB	75907	126487	7.35%	0.683%
56	15.067	2230	2235	2237	rBV3	25897	40499	2.35%	0.219%
57	15.114	2237	2243	2253	rVV5	107310	252670	14.68%	1.364%
58	15.226	2255	2262	2263	rVV4	30780	59209	3.44%	0.320%
59	15.261	2264	2268	2272	rVV3	59814	100630	5.85%	0.543%
60	15.296	2272	2274	2280	rVB6	12819	20732	1.20%	0.112%
61	15.414	2290	2294	2298	rVB	19729	30417	1.77%	0.164%
62	15.473	2298	2304	2308	rBV5	24619	45879	2.67%	0.248%
63	15.714	2338	2345	2351	rBV6	15377	33033	1.92%	0.178%
64	15.920	2375	2380	2388	rVB5	38218	79733	4.63%	0.430%
65	16.085	2400	2408	2413	rBV8	8908	20678	1.20%	0.112%
66	16.238	2428	2434	2442	rBV7	16932	39408	2.29%	0.213%
67	16.438	2464	2468	2474	rVV7	10788	21144	1.23%	0.114%
68	16.514	2476	2481	2491	rVB6	15347	33576	1.95%	0.181%

Sum of corrected areas: 18527975

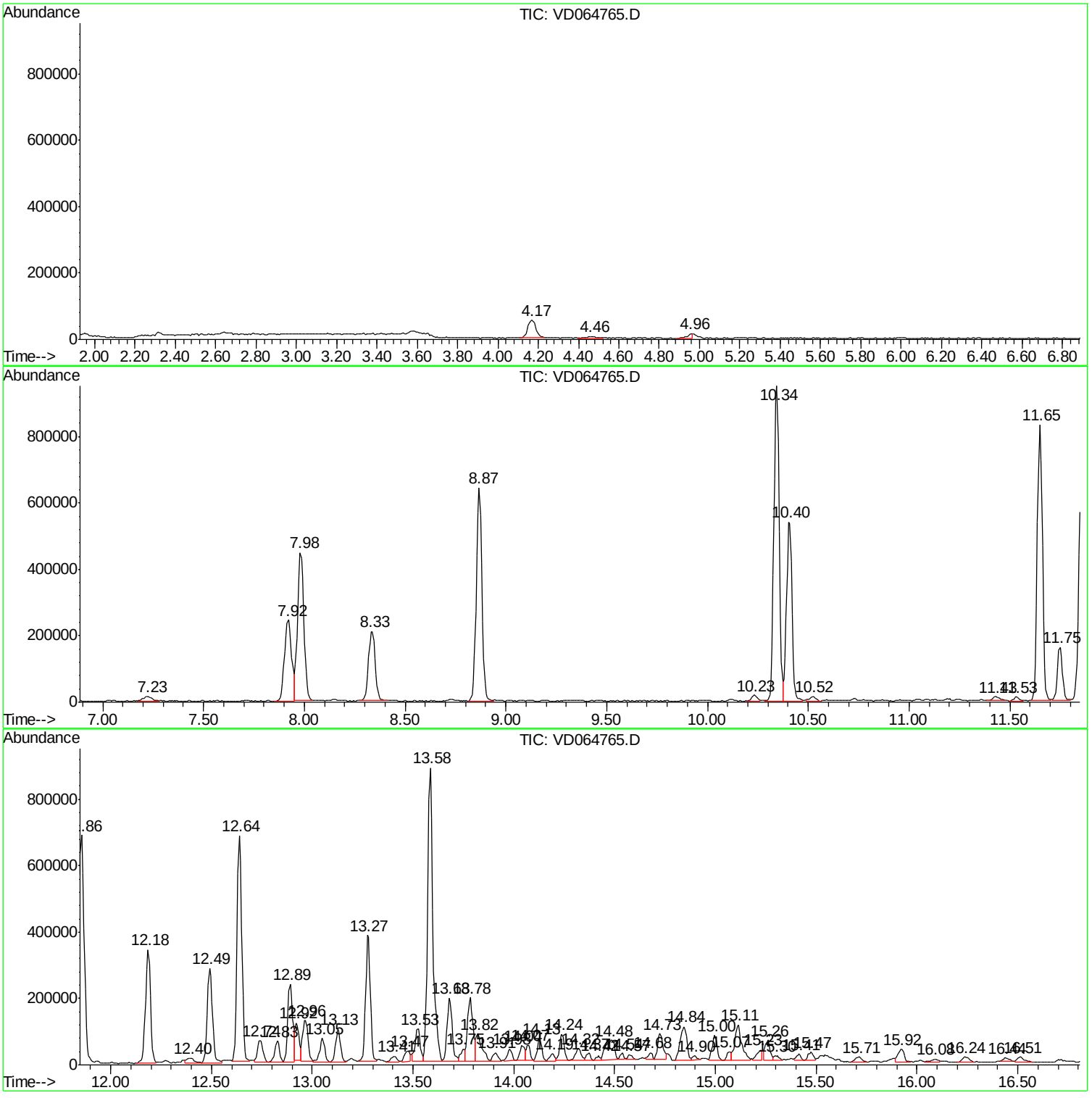
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
Data File : VD064765.D
Acq On : 04 Jan 2020 07:22
Operator : VA/SY
Sample : K6484-50
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
30544-46-66

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.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_D\DATA\VD010320\
Data File : VD064765.D
Acq On : 04 Jan 2020 07:22
Operator : VA/SY
Sample : K6484-50
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 30544-46-66

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260

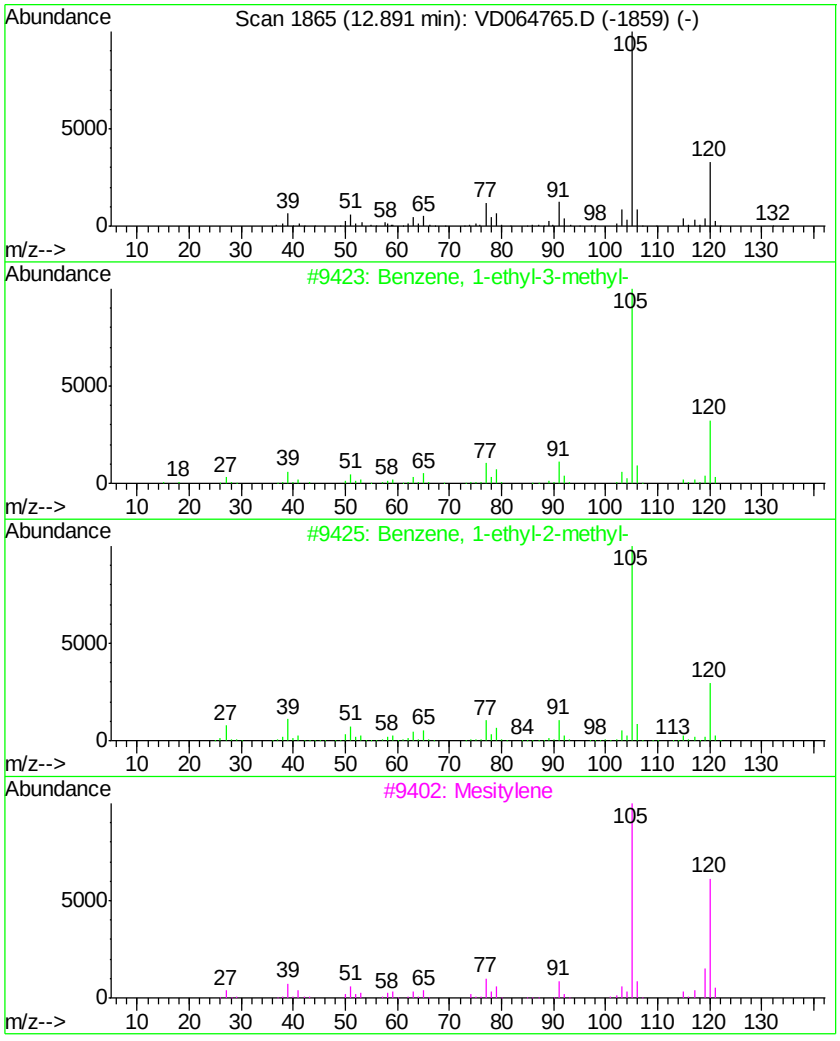
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

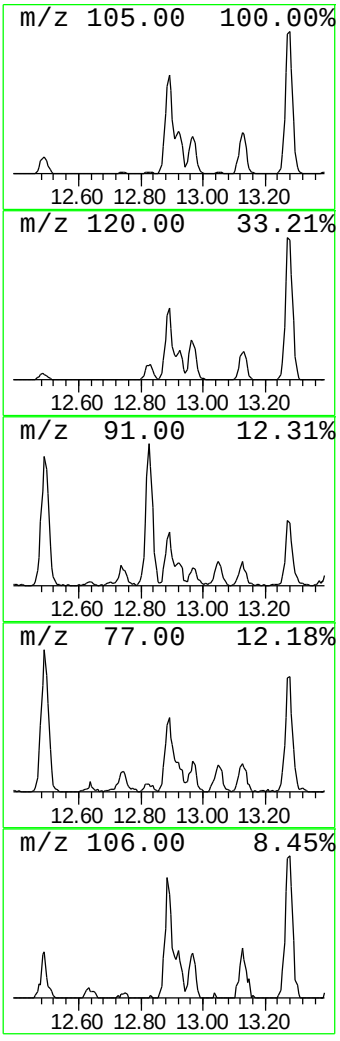
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	12.08 ug/l	391817	1,4-Dichlorobenzene-d4	13.58

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	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
Data File : VD064765.D
Acq On : 04 Jan 2020 07:22
Operator : VA/SY
Sample : K6484-50
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 30544-46-66

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260

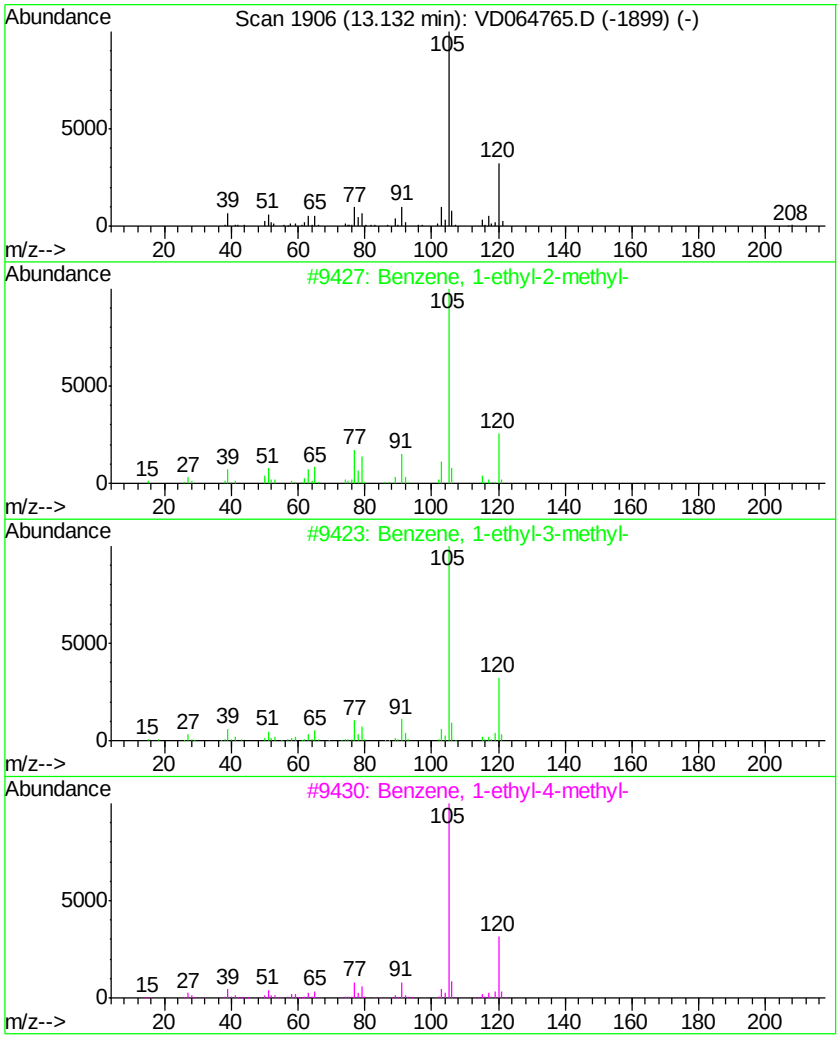
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

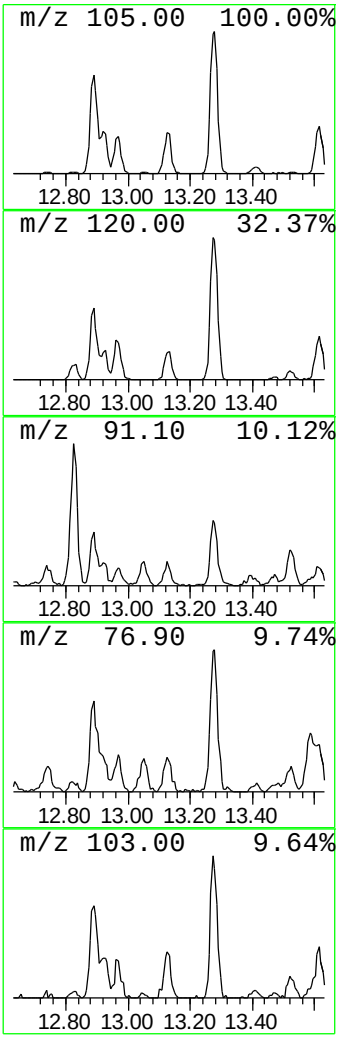
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	5.16 ug/l	167203	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
Data File : VD064765.D
Acq On : 04 Jan 2020 07:22
Operator : VA/SY
Sample : K6484-50
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 30544-46-66

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260

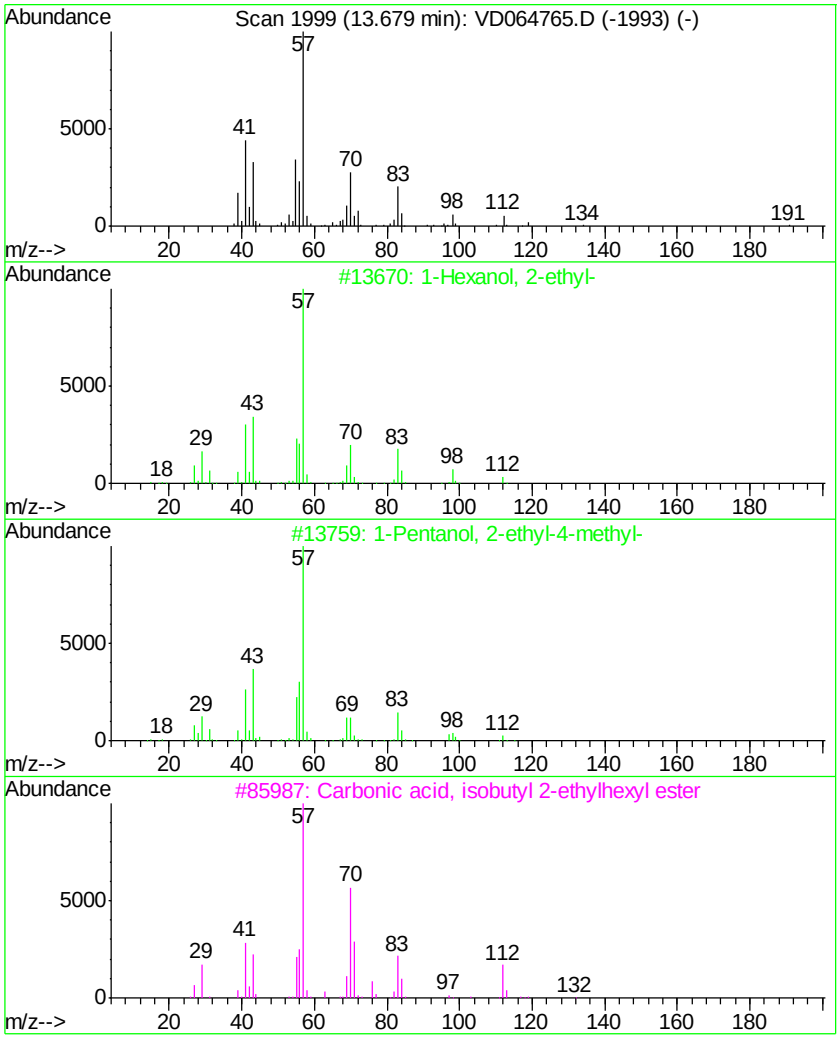
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

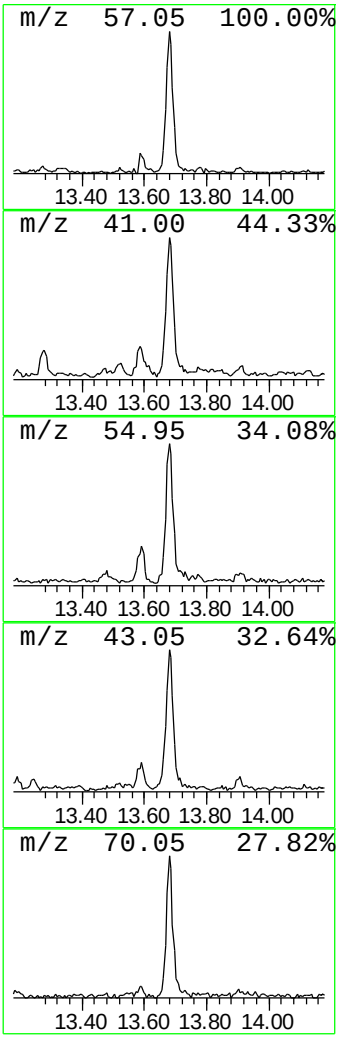
****

Peak Number 3 1-Hexanol, 2-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	10.12 ug/l	328289	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
2	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	64
3	Carbonic acid, isobutyl 2-ethylh...	230	C13H26O3	1000357-82-9	59
4	1-Hexanethiol, 2-ethyl-	146	C8H18S	007341-17-5	53
5	2-Ethyl-1-hexanol, pentafluoropr...	276	C11H17F5O2	1000365-51-1	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
Data File : VD064765.D
Acq On : 04 Jan 2020 07:22
Operator : VA/SY
Sample : K6484-50
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 30544-46-66

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260

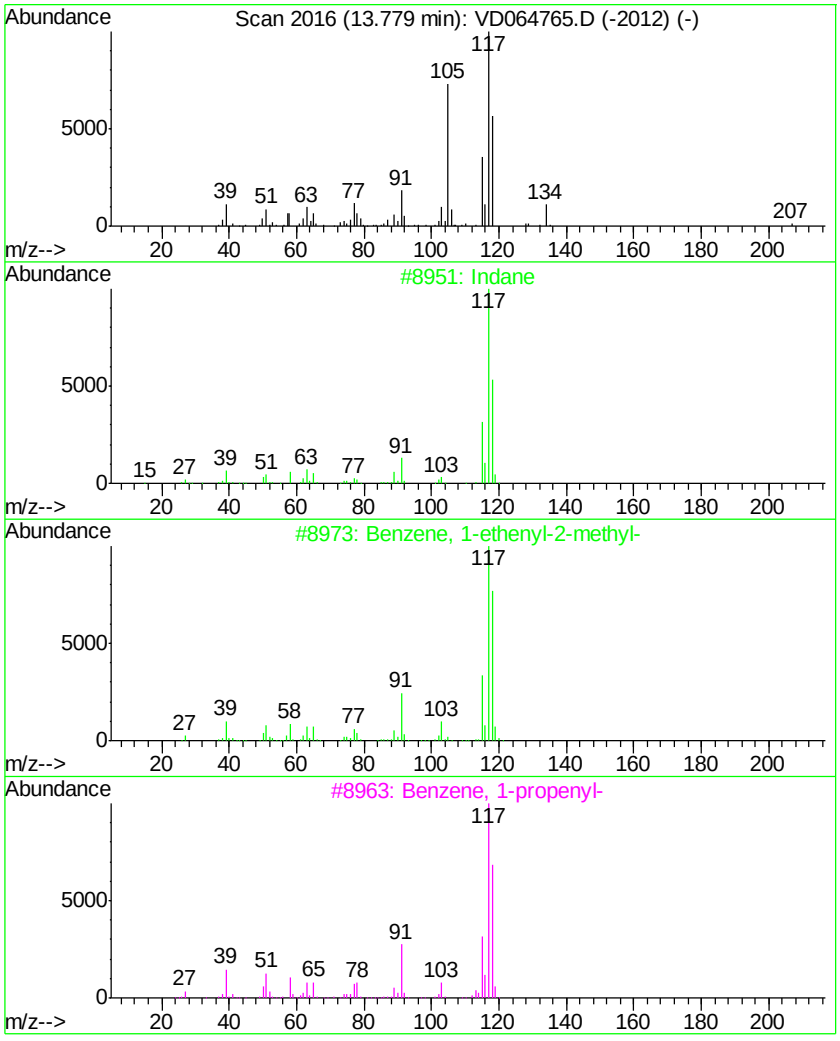
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

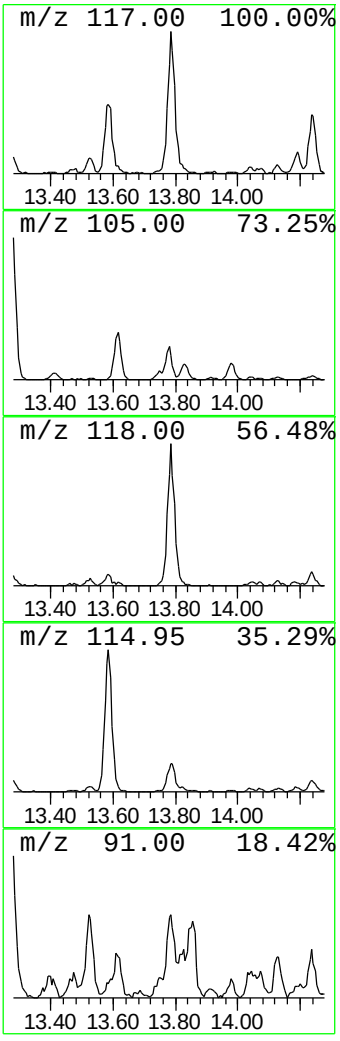
****

Peak Number 4 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	10.99 ug/l	356448	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	92
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	62
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	62
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
Data File : VD064765.D
Acq On : 04 Jan 2020 07:22
Operator : VA/SY
Sample : K6484-50
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 30544-46-66

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260

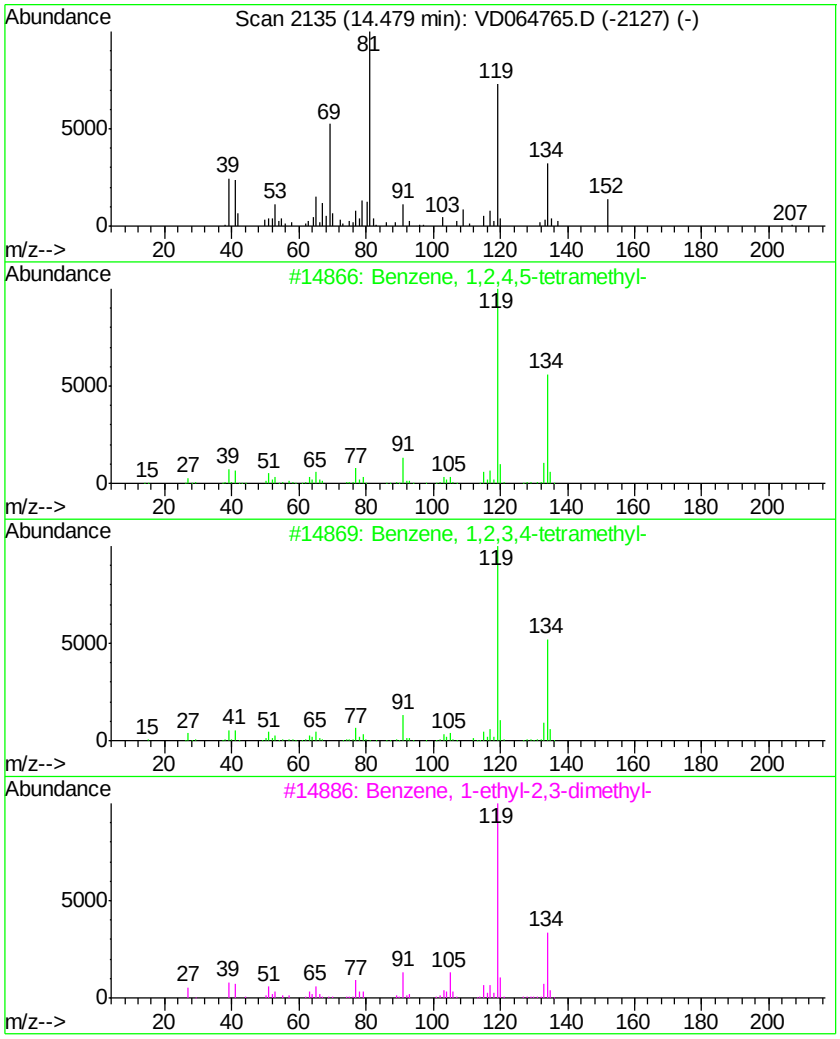
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

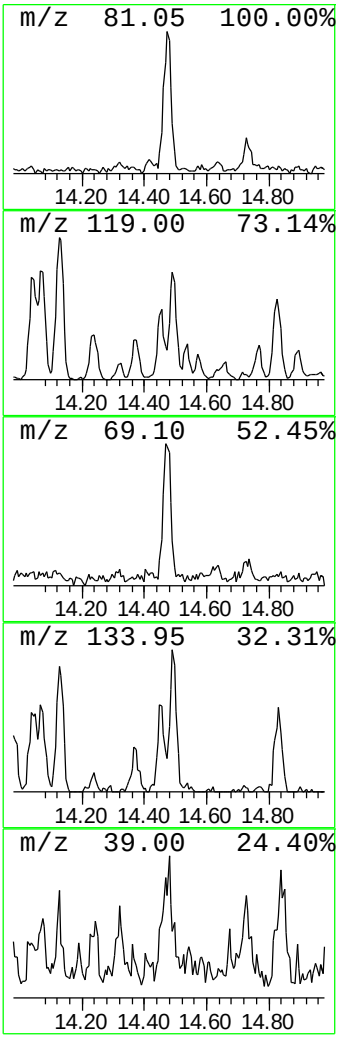
****

Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	5.75 ug/l	186415	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	86
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	86
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	86
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	86
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
Data File : VD064765.D
Acq On : 04 Jan 2020 07:22
Operator : VA/SY
Sample : K6484-50
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 30544-46-66

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260

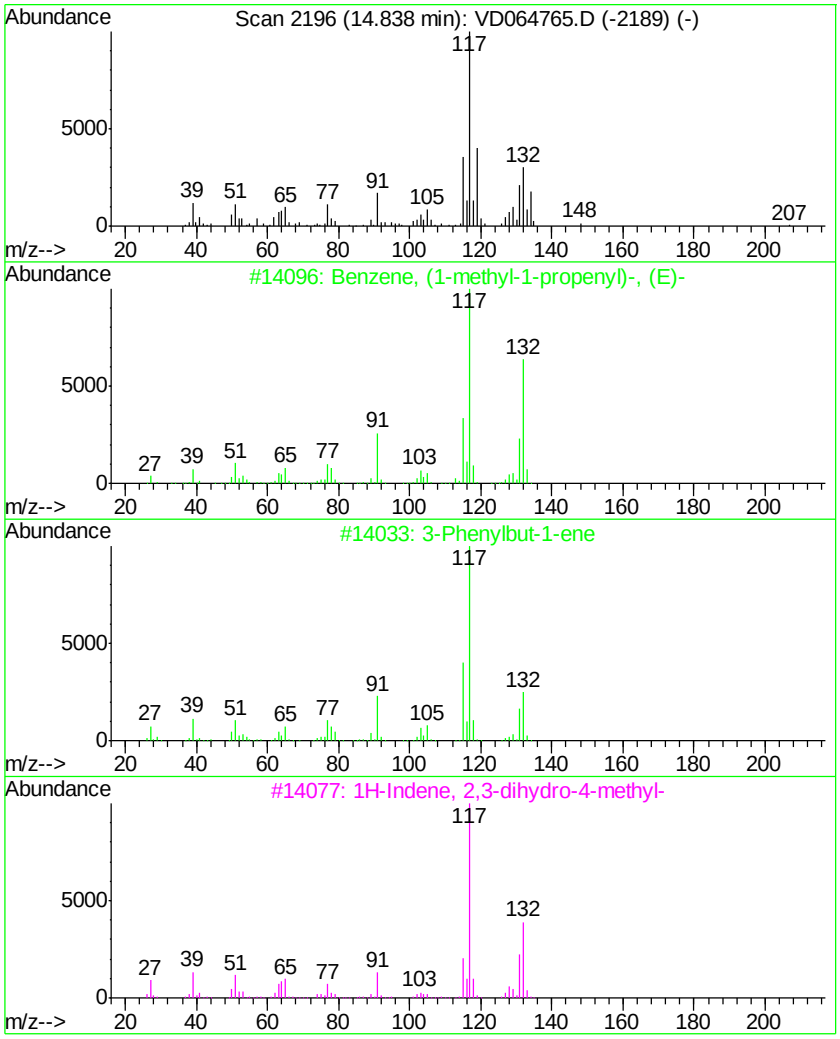
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

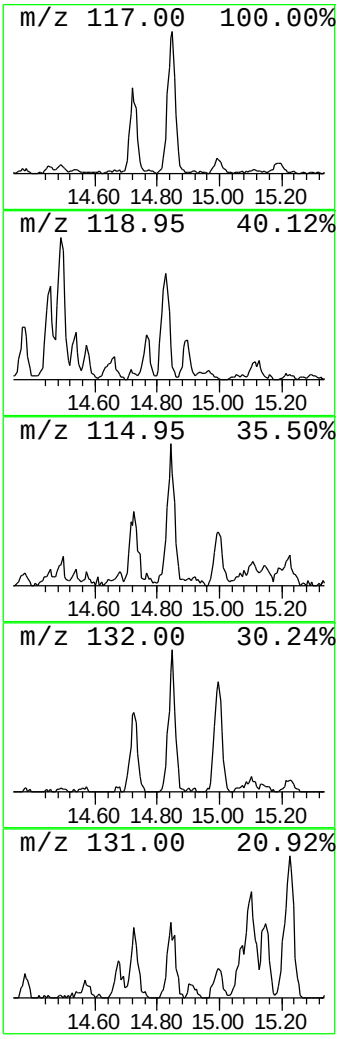
****

Peak Number 6 Benzene, (1-methyl-1-propen... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	7.46 ug/l	242039	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
Data File : VD064765.D
Acq On : 04 Jan 2020 07:22
Operator : VA/SY
Sample : K6484-50
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 30544-46-66

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260

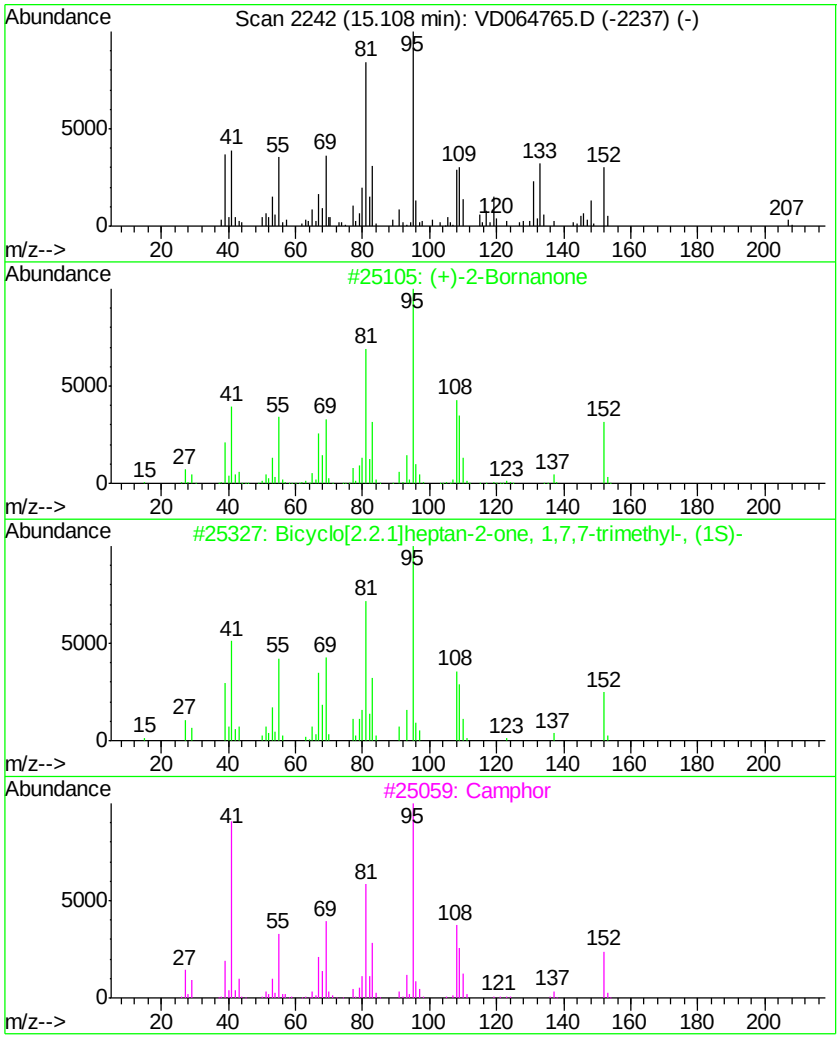
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

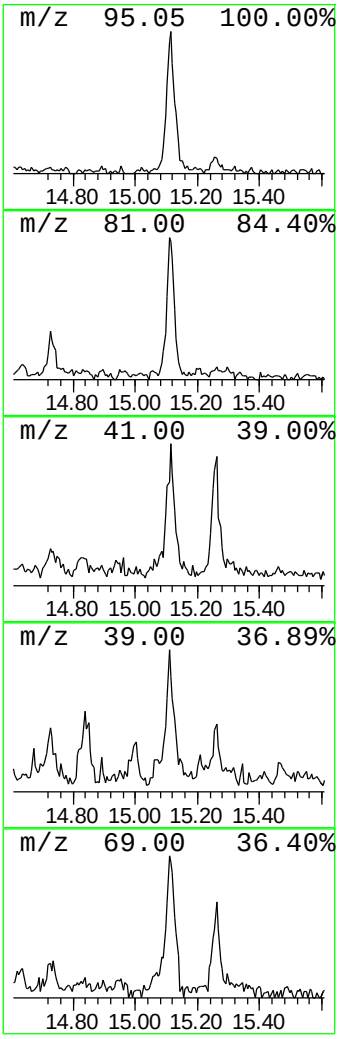
****

Peak Number 7 (+)-2-Bornanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	7.79 ug/l	252670	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	93
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	91
3	Camphor	152	C10H16O	000076-22-2	90
4	Bicyclo[2.2.1]heptan-2-one, 5,5,...	152	C10H16O	003649-86-3	35
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	000529-00-0	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
Data File : VD064765.D
Acq On : 04 Jan 2020 07:22
Operator : VA/SY
Sample : K6484-50
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 30544-46-66

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.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-...	12.89	12.1	ug/l	391817	4	13.58	1621670	50.0
Benzene, 1-ethyl-...	13.13	5.2	ug/l	167203	4	13.58	1621670	50.0
1-Hexanol, 2-ethyl-	13.68	10.1	ug/l	328289	4	13.58	1621670	50.0
Indane	13.78	11.0	ug/l	356448	4	13.58	1621670	50.0
Benzene, 1,2,4,5-...	14.48	5.8	ug/l	186415	4	13.58	1621670	50.0
Benzene, (1-methy...	14.84	7.5	ug/l	242039	4	13.58	1621670	50.0
(+)-2-Bornanone	15.11	7.8	ug/l	252670	4	13.58	1621670	50.0