LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
Data File : VD063915.D
Acq On : 10 Oct 2019 17:34
Operator : VA/SY
Sample : K5297-04
Misc : 6.00G/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-1

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\82D100219S.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	2.221	43	51	53	rBV4	7591	16449	1.64%	0.190%
2	7.926	1010	1021	1025	rBV3	29465	77241	7.70%	0.892%
3	7.985	1025	1031	1039	rVV	46084	110395	11.01%	1.276%
4	8.332	1081	1090	1100	rBV3	30099	74303	7.41%	0.859%
5	8.514	1114	1121	1130	rVB3	12500	32922	3.28%	0.380%
6	8.867	1172	1181	1193	rBV2	72609	150767	15.03%	1.742%
7	9.773	1330	1335	1343	rBV4	13412	26976	2.69%	0.312%
8	9.908	1352	1358	1365	rVB2	19537	36784	3.67%	0.425%
9	10.338	1425	1431	1440	rVV	117399	218221	21.76%	2.521%
10	10.520	1458	1462	1469	rVB6	7346	12078	1.20%	0.140%
11	11.432	1609	1617	1621	rBV6	6201	15046	1.50%	0.174%
12	11.532	1627	1634	1638	rBV6	5497	12182	1.21%	0.141%
13	11.644	1646	1653	1663	rBV	109365	203086	20.25%	2.347%
14	11.744	1665	1670	1677	rVV6	8716	16203	1.62%	0.187%
15	12.155	1734	1740	1744	rBV6	5255	13335	1.33%	0.154%
16	12.632	1815	1821	1832	rVB	95534	180035	17.95%	2.080%
17	12.820	1848	1853	1858	rBV2	22192	35758	3.57%	0.413%
18	12.885	1860	1864	1867	rVV6	10028	13113	1.31%	0.152%
19	12.920	1867	1870	1872	rVV2	14171	18352	1.83%	0.212%
20	12.955	1873	1876	1882	rVB4	15547	25675	2.56%	0.297%
21	13.120	1898	1904	1911	rBV4	10826	21901	2.18%	0.253%
22	13.267	1922	1929	1934	rBV2	42948	70725	7.05%	0.817%
23	13.391	1942	1950	1955	rBV10	9808	22992	2.29%	0.266%
24	13.579	1975	1982	1991	rBV2	119176	225921	22.53%	2.610%
25	13.738	2002	2009	2012	rBV	99131	161695	16.12%	1.868%
26	13.779	2012	2016	2020	rVV2	169493	278946	27.81%	3.223%
27	13.814	2020	2022	2031	rVB4	52647	107545	10.72%	1.243%
28	13.908	2031	2038	2043	rBV4	26411	47960	4.78%	0.554%
29	13.967	2045	2048	2054	rVB7	10375	14286	1.42%	0.165%
30	14.038	2054	2060	2063	rBV3	31843	58198	5.80%	0.672%
31	14.120	2068	2074	2080	rBV	287698	439167	43.79%	5.074%
32	14.179	2080	2084	2088	rBV2	51000	82878	8.26%	0.958%
33	14.232	2088	2093	2099	rVB2	249724	412161	41.10%	4.762%
34	14.297	2099	2104	2108	rVB5	11665	18773	1.87%	0.217%

LSC Area Percent Report

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Acq On : 10 Oct 2019 17:34
Operator : VA/SY
Sample : K5297-04
Misc : 6.00G/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-1

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\82D100219S.M
Title : SW846 8260

35	14.367	2111	2116	2120	rBV4	17137	30392	3.03%	0.351%
36	14.444	2120	2129	2133	rBV	240563	404612	40.34%	4.675%
37	14.485	2133	2136	2140	rVV	89122	129032	12.87%	1.491%
38	14.526	2140	2143	2147	rVV	54109	73819	7.36%	0.853%
39	14.561	2147	2149	2154	rVB3	13557	18550	1.85%	0.214%
40	14.632	2157	2161	2163	rBV3	11543	17155	1.71%	0.198%
41	14.667	2163	2167	2170	rVV3	26738	39776	3.97%	0.460%
42	14.714	2170	2175	2180	rVV2	262725	424373	42.31%	4.903%
43	14.755	2180	2182	2187	rVB2	47835	66594	6.64%	0.769%
44	14.838	2187	2196	2201	rBV2	492421	1002897	100.00%	11.588%
45	14.885	2201	2204	2210	rVB2	66764	113754	11.34%	1.314%
46	14.985	2217	2221	2228	rBV5	34631	64098	6.39%	0.741%
47	15.096	2228	2240	2244	rVV3	245006	600817	59.91%	6.942%
48	15.138	2244	2247	2253	rVV3	100637	190946	19.04%	2.206%
49	15.214	2253	2260	2267	rVV3	202779	464560	46.32%	5.368%
50	15.296	2269	2274	2279	rBV9	4945	10985	1.10%	0.127%
51	15.367	2279	2286	2287	rBV4	27571	48127	4.80%	0.556%
52	15.402	2287	2292	2298	rVB	107746	196942	19.64%	2.276%
53	15.461	2298	2302	2304	rBV3	13155	18104	1.81%	0.209%
54	15.508	2304	2310	2315	rVV4	74123	143641	14.32%	1.660%
55	15.567	2315	2320	2328	rVB3	63050	128790	12.84%	1.488%
56	15.696	2335	2342	2349	rBV	109884	220270	21.96%	2.545%
57	15.873	2360	2372	2380	rBV4	66054	197893	19.73%	2.287%
58	15.996	2388	2393	2399	rBV5	30273	57748	5.76%	0.667%
59	16.079	2399	2407	2422	rVB4	52463	158055	15.76%	1.826%
60	16.226	2425	2432	2435	rBV7	14715	30730	3.06%	0.355%
61	16.432	2456	2467	2471	rVV6	18144	56085	5.59%	0.648%
62	16.496	2471	2478	2488	rVB	117269	270516	26.97%	3.126%
63	16.708	2505	2514	2522	rVB2	94633	223330	22.27%	2.580%

Sum of corrected areas: 8654660

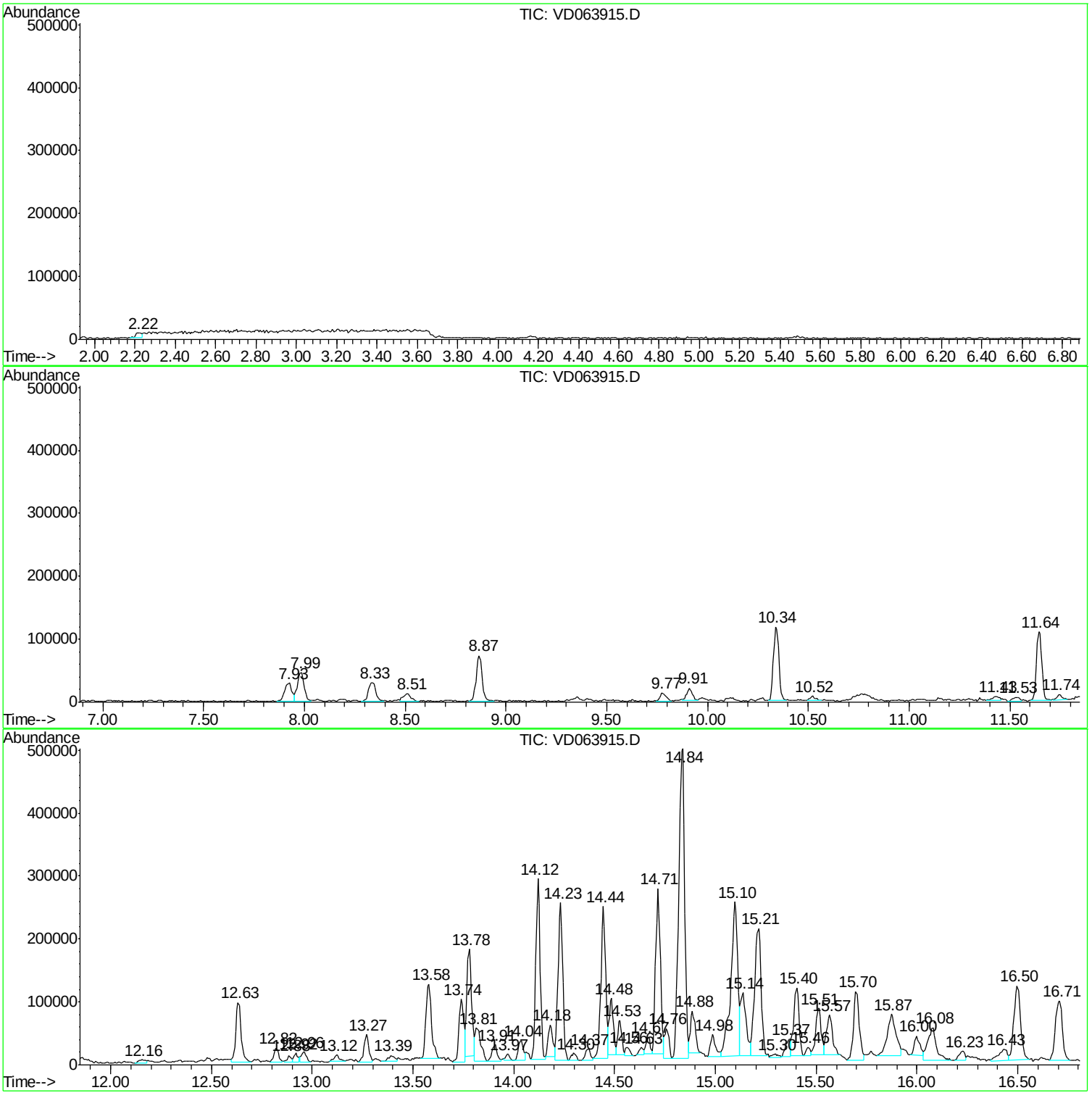
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
Data File : VD063915.D
Acq On : 10 Oct 2019 17:34
Operator : VA/SY
Sample : K5297-04
Misc : 6.00G/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.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\VD101019\
Data File : VD063915.D
Acq On : 10 Oct 2019 17:34
Operator : VA/SY
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ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260

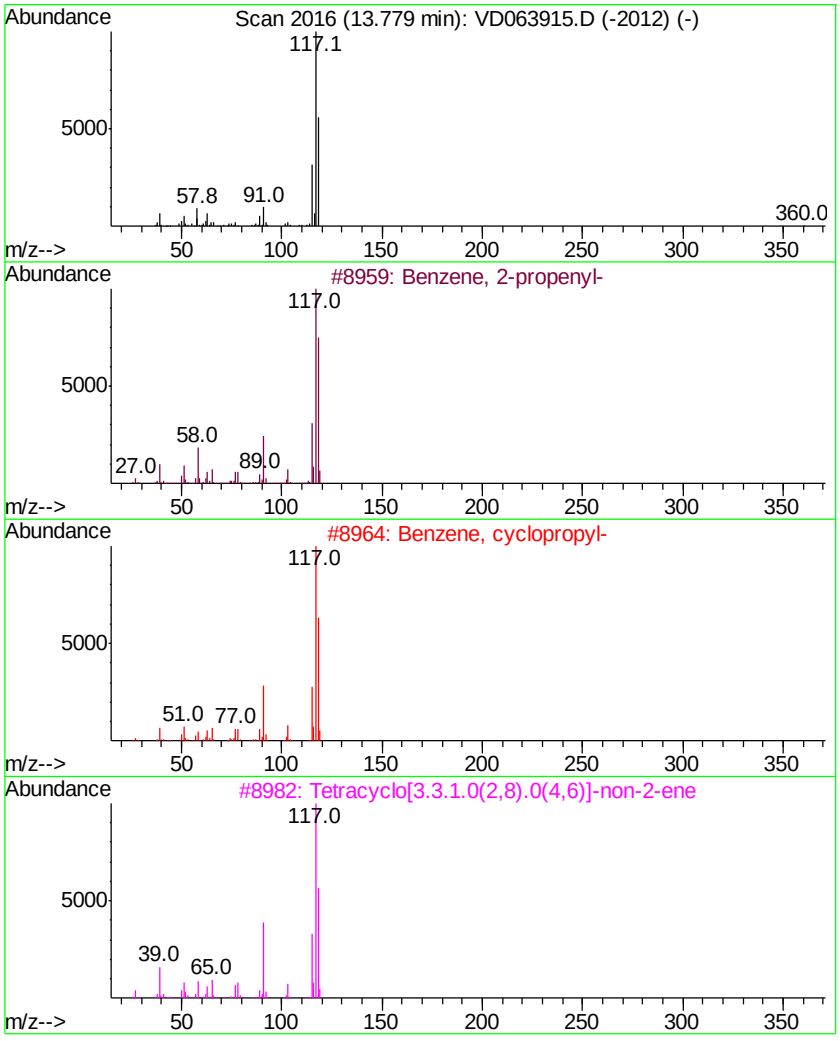
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

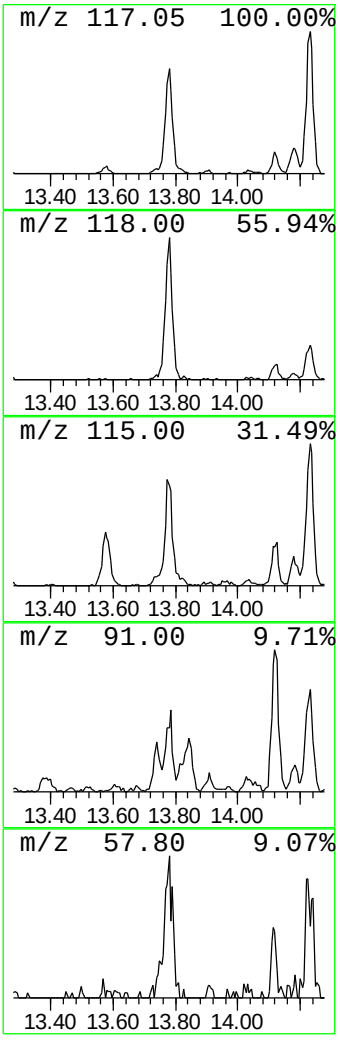
****

Peak Number 1 Benzene, 2-propenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	61.74 ug/l	278946	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	72
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	59
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	58
4	Benzene, 1-(chloromethyl)-4-ethe...	152	C9H9Cl	001592-20-7	53
5	Thiazole, 4-(4-nitrophenyl)-2-(3...	354	C18H14N2O2S2	299921-08-7	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
Data File : VD063915.D
Acq On : 10 Oct 2019 17:34
Operator : VA/SY
Sample : K5297-04
Misc : 6.00G/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260

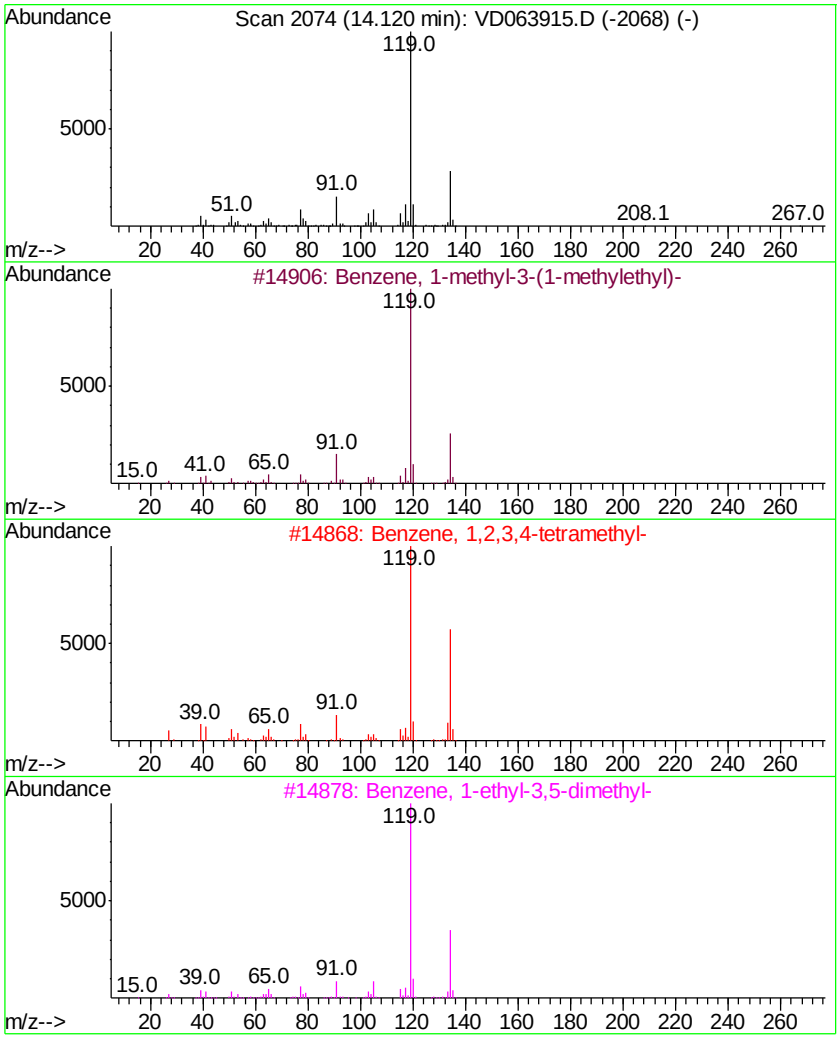
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

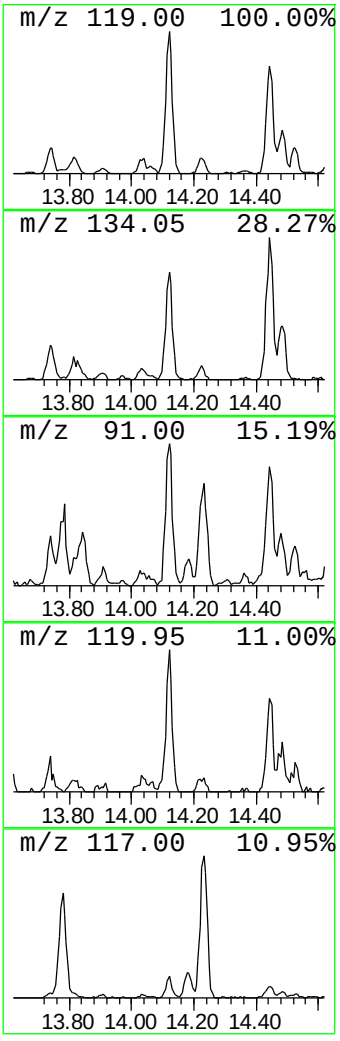
****

Peak Number 2 Benzene, 1-methyl-3-(1-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	97.19 ug/l	439167	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	p-Cymene	134	C10H14	000099-87-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
Data File : VD063915.D
Acq On : 10 Oct 2019 17:34
Operator : VA/SY
Sample : K5297-04
Misc : 6.00G/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260

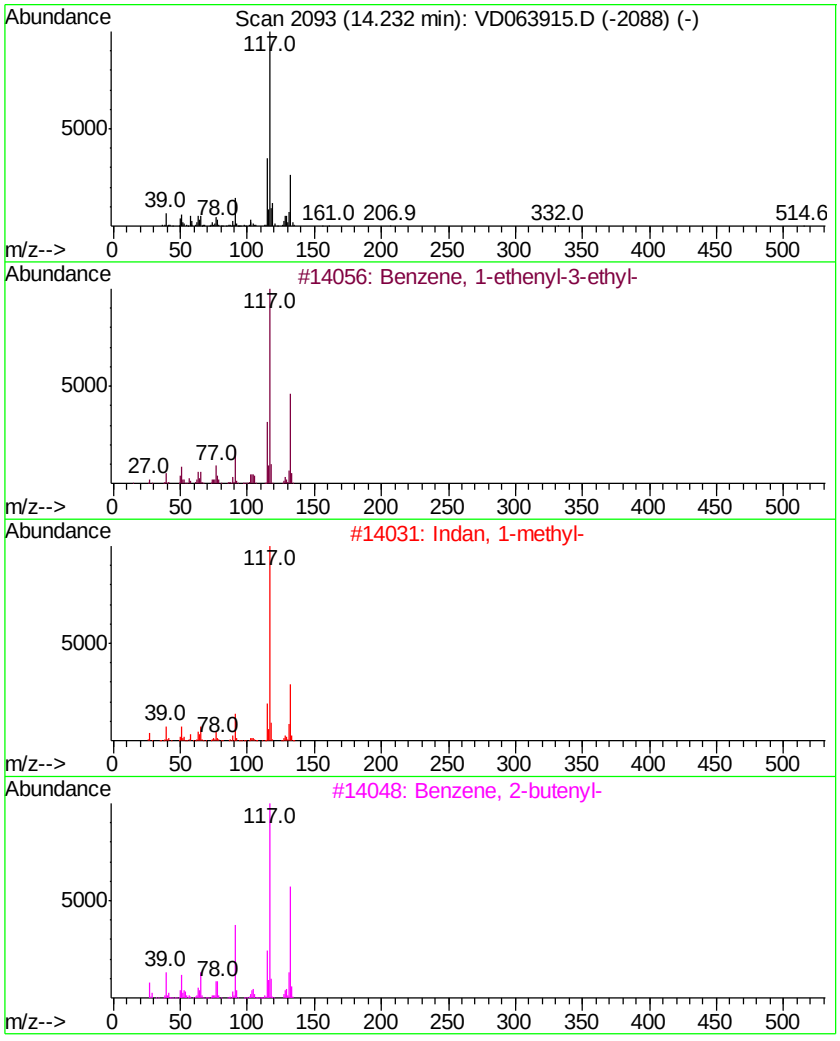
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

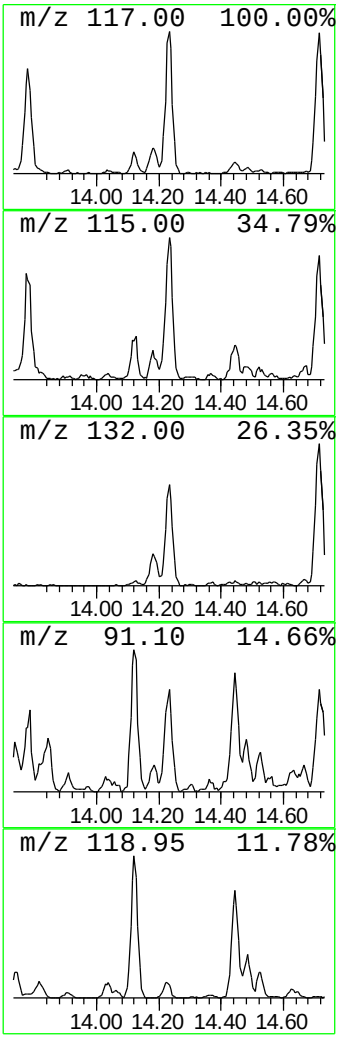
****

Peak Number 3 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	91.22 ug/l	412161	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	81
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	72
4	5-Chloro-1-phenyl-1-pentene	180	C11H13Cl	016424-50-3	59
5	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
Data File : VD063915.D
Acq On : 10 Oct 2019 17:34
Operator : VA/SY
Sample : K5297-04
Misc : 6.00G/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260

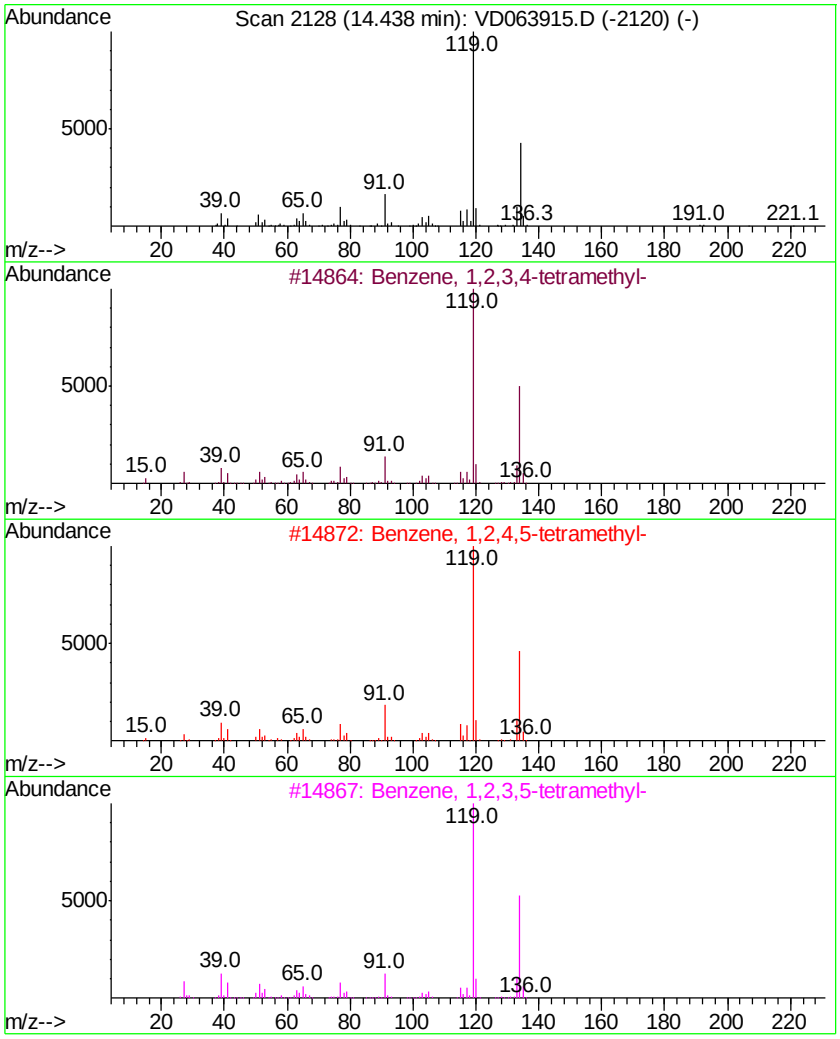
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

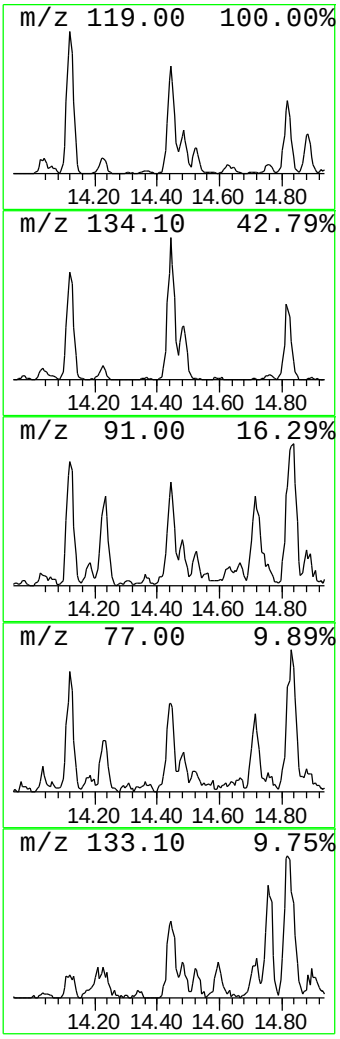
****

Peak Number 4 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	89.55 ug/l	404612	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
Data File : VD063915.D
Acq On : 10 Oct 2019 17:34
Operator : VA/SY
Sample : K5297-04
Misc : 6.00G/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260

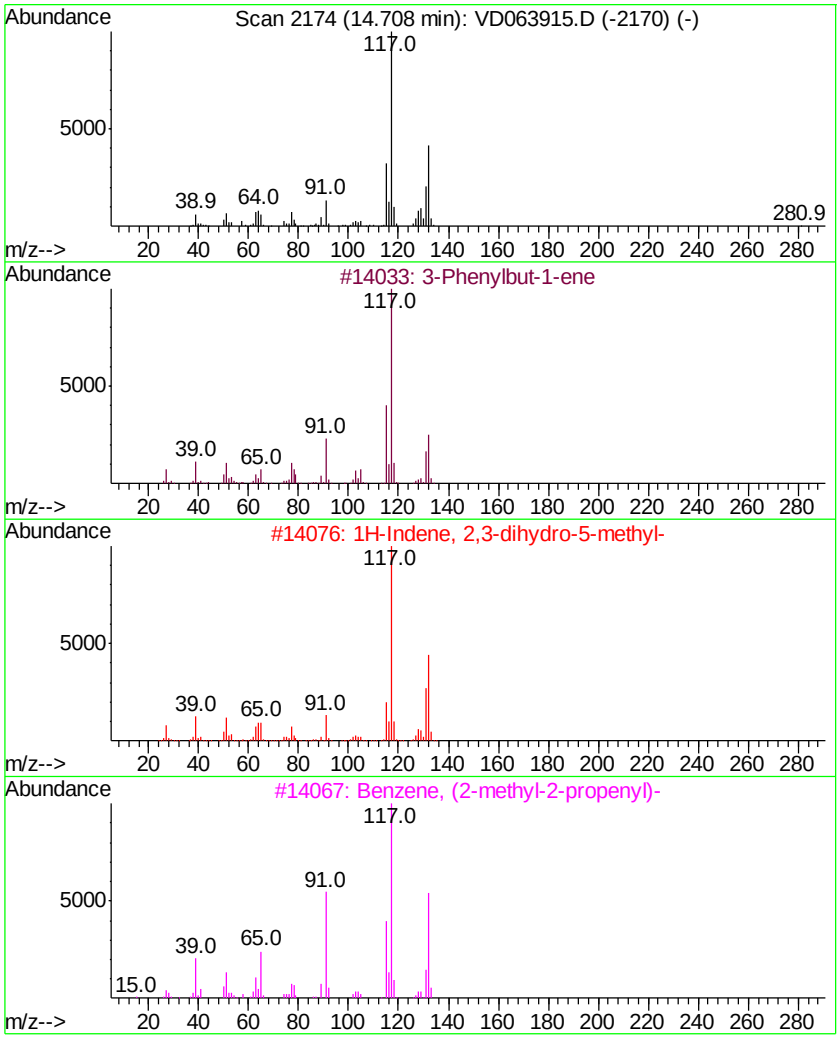
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

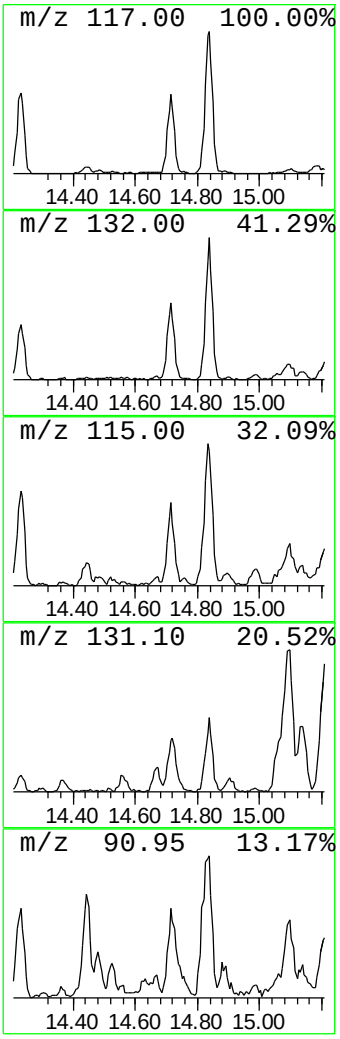
****

Peak Number 5 3-Phenylbut-1-ene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	93.92 ug/l	424373	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	83
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	83
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80





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Sample : K5297-04
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ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260

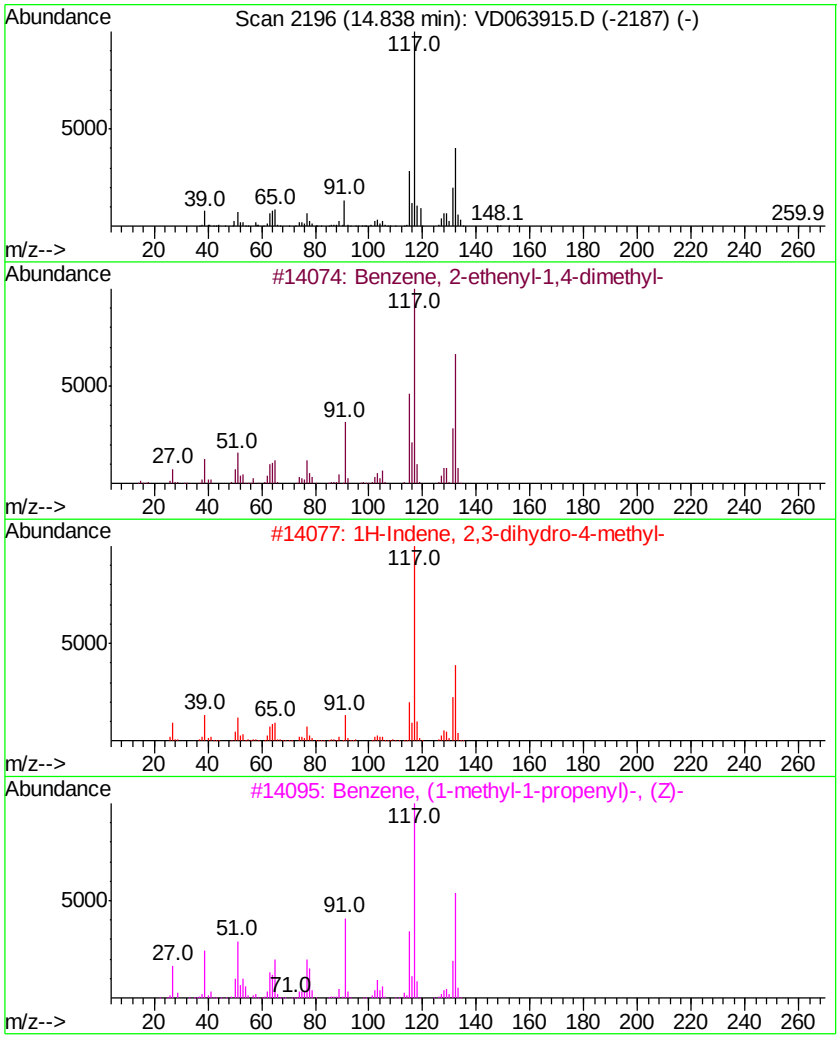
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

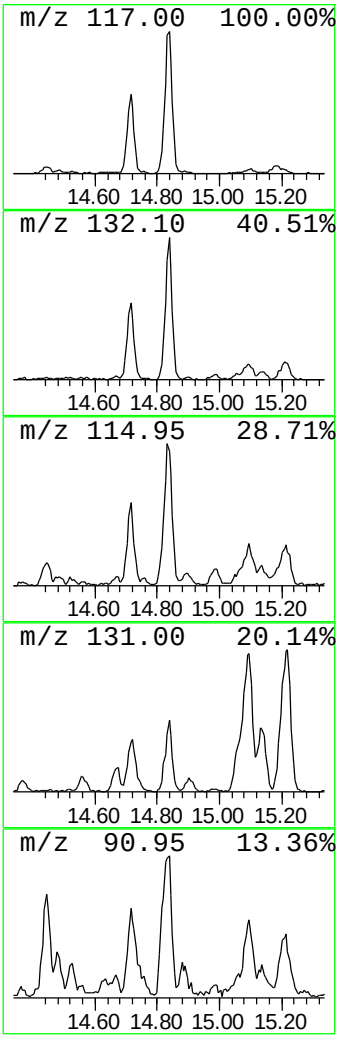
****

Peak Number 6 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	221.96 ug/l	1002900	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
Data File : VD063915.D
Acq On : 10 Oct 2019 17:34
Operator : VA/SY
Sample : K5297-04
Misc : 6.00G/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260

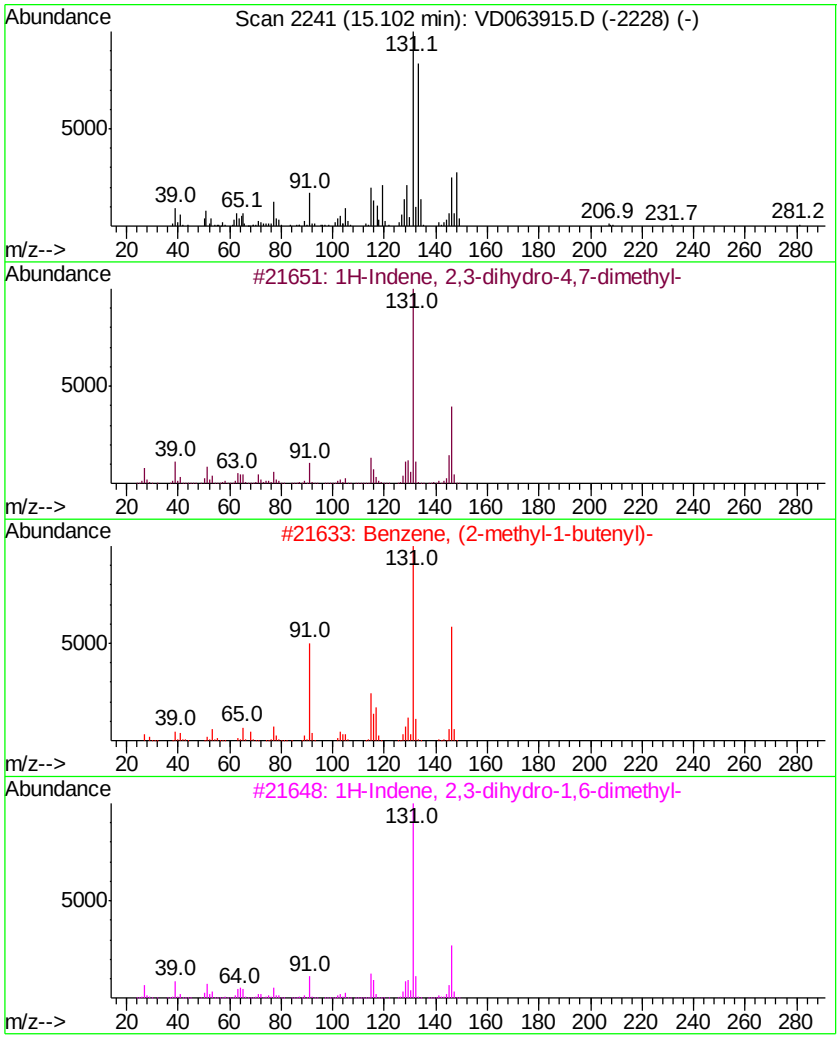
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

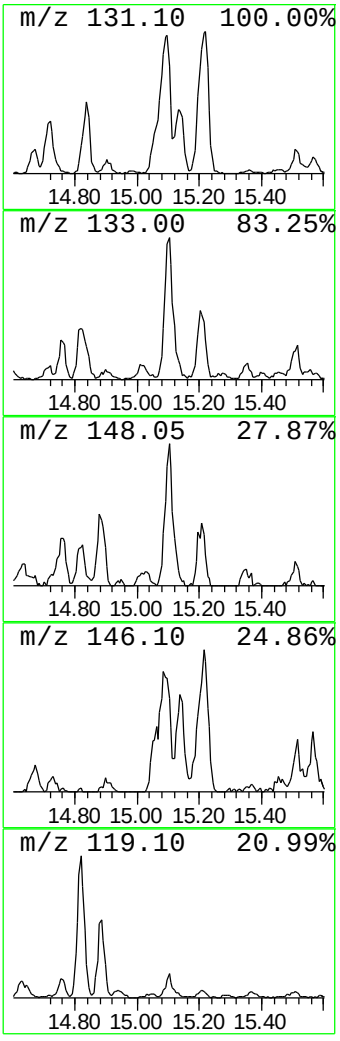
****

Peak Number 7 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	132.97 ug/l	600817	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	86
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	70
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	70
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	64
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
Data File : VD063915.D
Acq On : 10 Oct 2019 17:34
Operator : VA/SY
Sample : K5297-04
Misc : 6.00G/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260

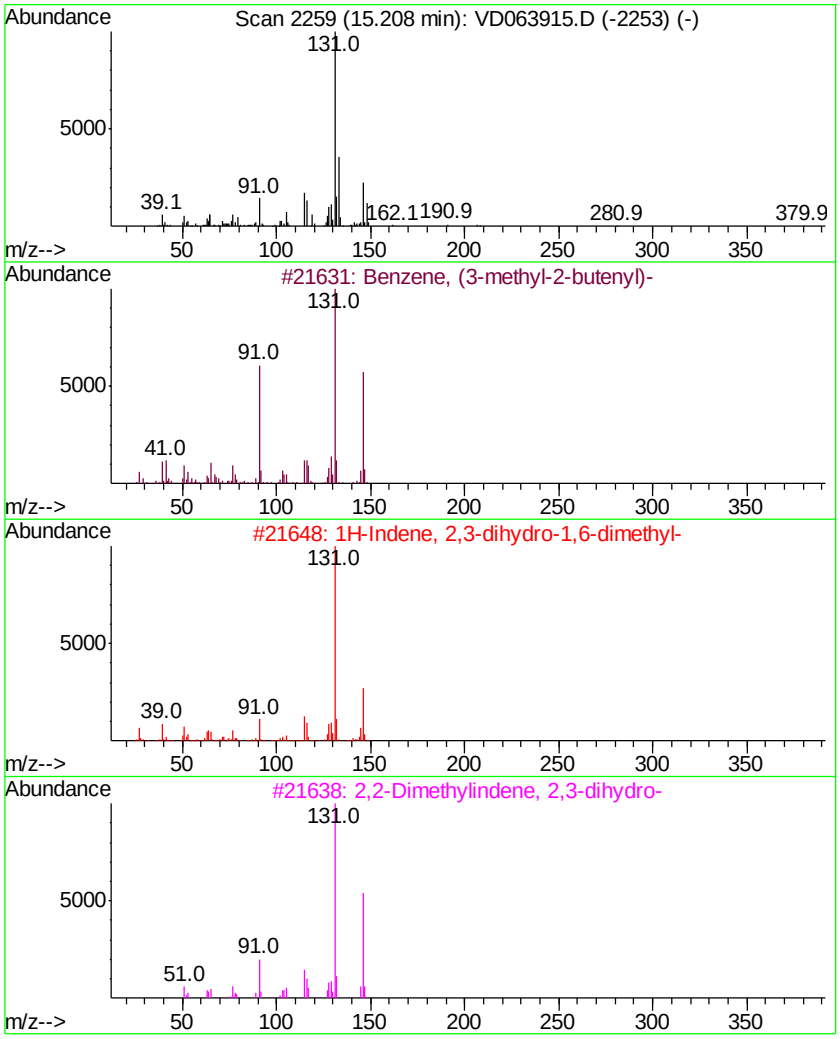
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

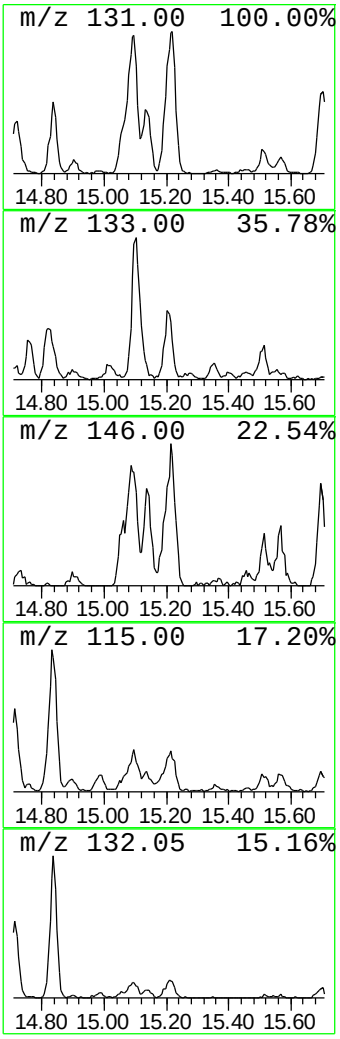
****

Peak Number 8 Benzene, (3-methyl-2-butenyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	102.82 ug/l	464560	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
Data File : VD063915.D
Acq On : 10 Oct 2019 17:34
Operator : VA/SY
Sample : K5297-04
Misc : 6.00G/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260

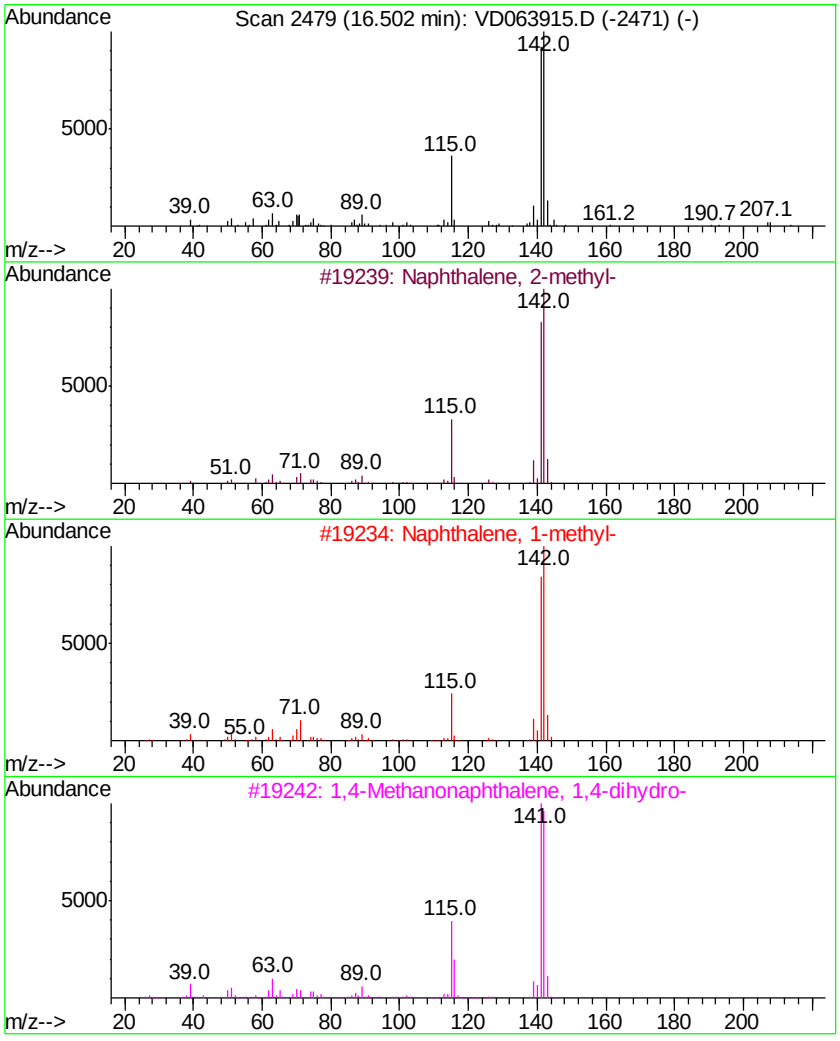
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

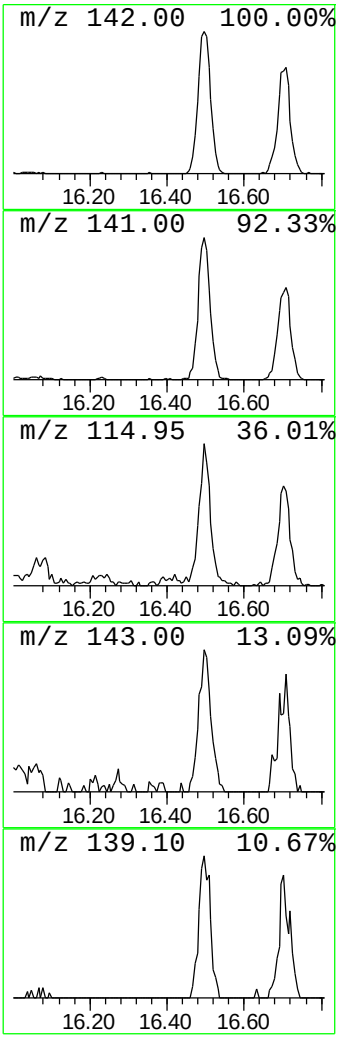
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	59.87 ug/l	270516	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD101019\
Data File : VD063915.D
Acq On : 10 Oct 2019 17:34
Operator : VA/SY
Sample : K5297-04
Misc : 6.00G/5ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.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, 2-propenyl-	13.78	61.7	ug/l	278946	4	13.57	225921	50.0
Benzene, 1-methyl...	14.12	97.2	ug/l	439167	4	13.57	225921	50.0
Benzene, 1-etheny...	14.23	91.2	ug/l	412161	4	13.57	225921	50.0
Benzene, 1,2,3,4-...	14.44	89.5	ug/l	404612	4	13.57	225921	50.0
3-Phenylbut-1-ene	14.71	93.9	ug/l	424373	4	13.57	225921	50.0
Benzene, 2-etheny...	14.84	222.0	ug/l	1002900	4	13.57	225921	50.0
1H-Indene, 2,3-di...	15.10	133.0	ug/l	600817	4	13.57	225921	50.0
Benzene, (3-methy...	15.21	102.8	ug/l	464560	4	13.57	225921	50.0
Naphthalene, 1-me...	16.50	59.9	ug/l	270516	4	13.57	225921	50.0