LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
Data File : VD064287.D
Acq On : 19 Nov 2019 13:58
Operator : VA/SY
Sample : K5676-16
Misc : 9.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-01-111519

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\82D110819S.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	1.950	3	5	11	rVB3	31215	44535	1.05%	0.088%
2	4.168	373	382	390	rBV2	48241	135674	3.19%	0.269%
3	4.962	507	517	526	rBV4	13744	42779	1.01%	0.085%
4	7.920	1010	1020	1025	rBV	605649	1443374	33.96%	2.858%
5	7.979	1025	1030	1042	rVB	1153930	2586958	60.87%	5.122%
6	8.338	1081	1091	1105	rBV	526231	1185260	27.89%	2.347%
7	8.867	1170	1181	1191	rBV	1595443	3142280	73.94%	6.221%
8	10.344	1424	1432	1439	rBV	2347467	4249639	100.00%	8.414%
9	10.409	1439	1443	1454	rVB	125572	233648	5.50%	0.463%
10	11.650	1645	1654	1664	rBV	2049807	3551965	83.58%	7.032%
11	11.750	1664	1671	1680	rVV	177196	327368	7.70%	0.648%
12	11.855	1680	1689	1700	rVV2	635734	1291883	30.40%	2.558%
13	11.932	1700	1702	1708	rVB3	27416	44182	1.04%	0.087%
14	12.185	1733	1745	1754	rBV2	544537	1111326	26.15%	2.200%
15	12.273	1754	1760	1764	rVB5	38298	72252	1.70%	0.143%
16	12.355	1770	1774	1777	rBV4	30905	53691	1.26%	0.106%
17	12.403	1777	1782	1791	rVB4	68033	153323	3.61%	0.304%
18	12.485	1791	1796	1801	rBV	85973	148357	3.49%	0.294%
19	12.567	1806	1810	1812	rVV2	44674	72240	1.70%	0.143%
20	12.638	1816	1822	1833	rVV	1603536	2796953	65.82%	5.538%
21	12.826	1846	1854	1859	rBV	177893	302302	7.11%	0.599%
22	12.891	1859	1865	1869	rBV	595859	1020526	24.01%	2.020%
23	12.920	1869	1870	1873	rVV	255363	315859	7.43%	0.625%
24	12.961	1873	1877	1883	rVV3	574367	1023110	24.08%	2.026%
25	13.014	1883	1886	1891	rVB3	46688	73313	1.73%	0.145%
26	13.132	1898	1906	1913	rBV	324858	620058	14.59%	1.228%
27	13.197	1913	1917	1922	rVV4	93776	154294	3.63%	0.305%
28	13.279	1922	1931	1936	rVV	907904	1466536	34.51%	2.904%
29	13.326	1936	1939	1944	rVV3	106685	160361	3.77%	0.317%
30	13.379	1944	1948	1950	rVV5	42941	71145	1.67%	0.141%
31	13.408	1950	1953	1957	rVB	82934	121366	2.86%	0.240%
32	13.467	1957	1963	1968	rBV3	189122	352021	8.28%	0.697%
33	13.520	1968	1972	1976	rVV4	92730	183460	4.32%	0.363%
34	13.585	1976	1983	1992	rVV2	2075643	4098122	96.43%	8.114%

LSC Area Percent Report

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Sample : K5676-16
Misc : 9.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-01-111519

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\82D110819S.M
Title : SW846 8260

35	13.655	1992	1995	1999	rVB3	77258	99851	2.35%	0.198%
36	13.785	2007	2017	2021	rBV2	646993	1235155	29.06%	2.445%
37	13.820	2021	2023	2028	rVB2	179289	239746	5.64%	0.475%
38	13.908	2033	2038	2043	rBV2	450355	701982	16.52%	1.390%
39	13.967	2043	2048	2057	rVV2	374967	721419	16.98%	1.428%
40	14.044	2057	2061	2063	rVV	138217	207028	4.87%	0.410%
41	14.073	2063	2066	2070	rVV	181149	263023	6.19%	0.521%
42	14.126	2070	2075	2080	rVB	242204	375419	8.83%	0.743%
43	14.185	2080	2085	2089	rVB4	47505	89469	2.11%	0.177%
44	14.238	2089	2094	2102	rBV	299764	528652	12.44%	1.047%
45	14.373	2111	2117	2120	rBV4	101236	196864	4.63%	0.390%
46	14.420	2120	2125	2128	rVV4	174486	328504	7.73%	0.650%
47	14.455	2128	2131	2134	rVV2	139515	216263	5.09%	0.428%
48	14.491	2134	2137	2141	rVB	196380	264123	6.22%	0.523%
49	14.532	2141	2144	2148	rVB	126890	164763	3.88%	0.326%
50	14.579	2148	2152	2158	rVB6	105214	192707	4.53%	0.382%
51	14.638	2159	2162	2165	rBV5	41669	63817	1.50%	0.126%
52	14.673	2165	2168	2172	rVB3	60800	89234	2.10%	0.177%
53	14.726	2172	2177	2180	rBV	230687	396465	9.33%	0.785%
54	14.761	2180	2183	2189	rVB2	350829	548844	12.92%	1.087%
55	14.844	2189	2197	2202	rBV3	510383	1196796	28.16%	2.369%
56	14.996	2217	2223	2230	rVB2	598934	1060794	24.96%	2.100%
57	15.102	2231	2241	2246	rBV5	159499	376528	8.86%	0.745%
58	15.226	2254	2262	2269	rBV3	143016	362476	8.53%	0.718%
59	15.379	2282	2288	2289	rBV4	107864	159609	3.76%	0.316%
60	15.414	2289	2294	2300	rVB	448677	784738	18.47%	1.554%
61	15.473	2300	2304	2308	rVB	85979	120047	2.82%	0.238%
62	15.526	2308	2313	2316	rBV5	83053	154989	3.65%	0.307%
63	15.608	2323	2327	2337	rVB	271495	470998	11.08%	0.933%
64	15.714	2337	2345	2352	rBV3	124058	325947	7.67%	0.645%
65	15.791	2355	2358	2363	rVV6	60565	98823	2.33%	0.196%
66	15.920	2367	2380	2392	rVV2	259668	753597	17.73%	1.492%
67	16.032	2392	2399	2403	rVV8	48862	129712	3.05%	0.257%
68	16.085	2403	2408	2415	rVB3	59629	161635	3.80%	0.320%
69	16.244	2426	2435	2440	rBV3	138049	346283	8.15%	0.686%
70	16.361	2451	2455	2460	rVB5	36405	54004	1.27%	0.107%
71	16.443	2462	2469	2474	rVV2	147075	332086	7.81%	0.657%

LSC Area Percent Report

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Misc : 9.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-01-111519

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\82D110819S.M
Title : SW846 8260

72	16.508	2474	2480	2487	rVV	627614	1359645	31.99%	2.692%
73	16.573	2487	2491	2497	rVB	122127	207256	4.88%	0.410%
74	16.720	2507	2516	2527	rBV	1053062	2479506	58.35%	4.909%

Sum of corrected areas: 50508957

LSC Report - Integrated Chromatogram

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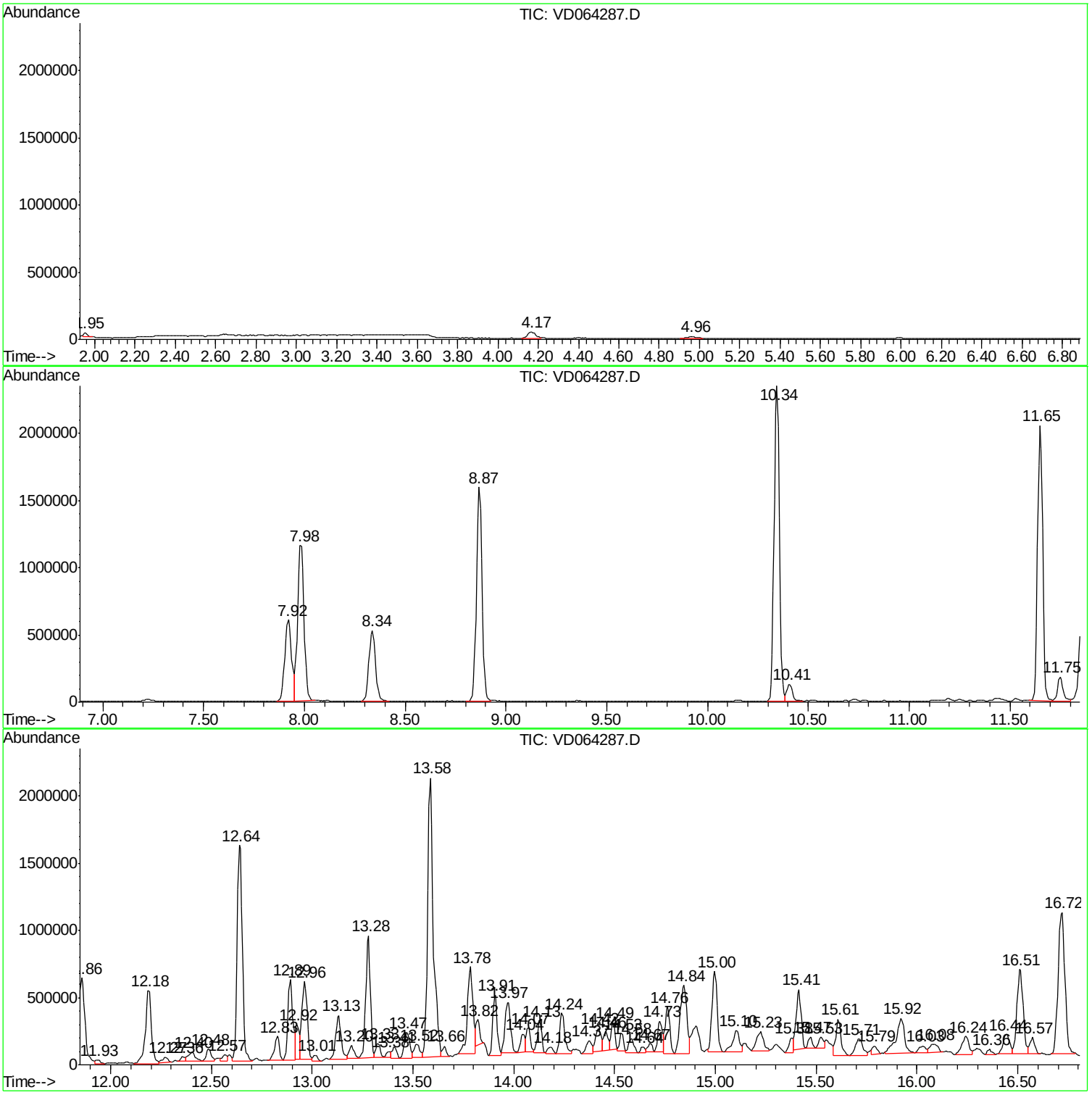
Acq On : 19 Nov 2019 13:58
Operator : VA/SY
Sample : K5676-16
Misc : 9.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-01-111519

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.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\VD111919\
Data File : VD064287.D
Acq On : 19 Nov 2019 13:58
Operator : VA/SY
Sample : K5676-16
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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-01-111519

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

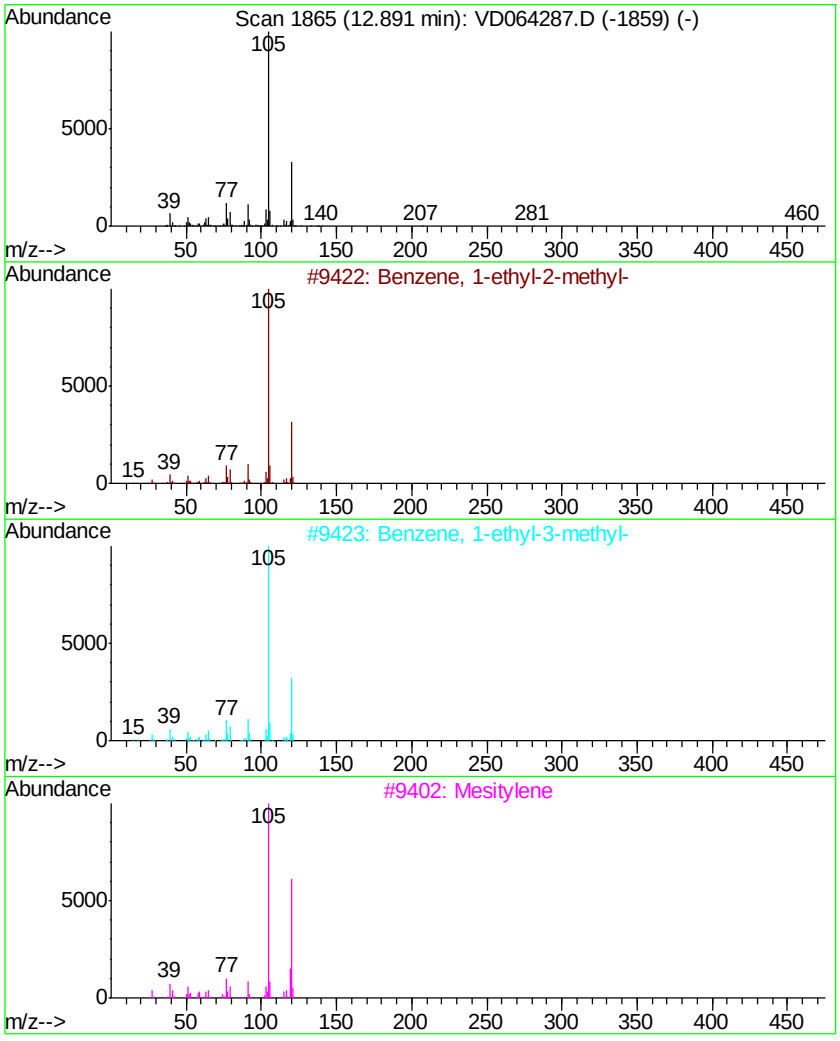
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

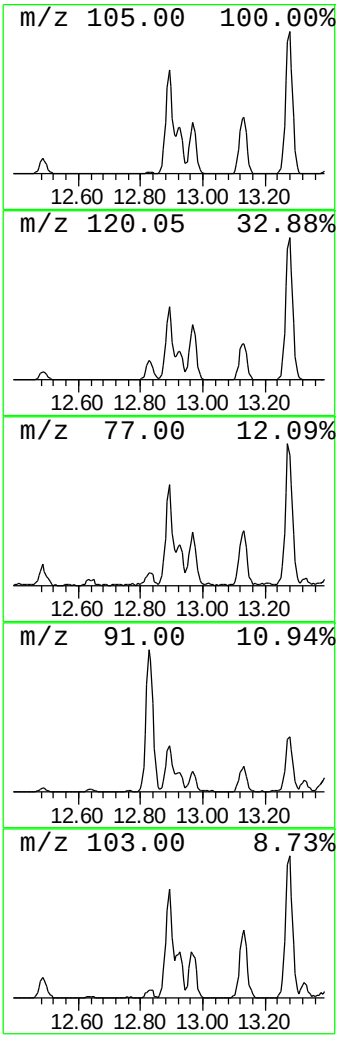
****

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	12.45 ug/l	1020530	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	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	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





Library Search Compound Report

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Operator : VA/SY
Sample : K5676-16
Misc : 9.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-01-111519

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

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

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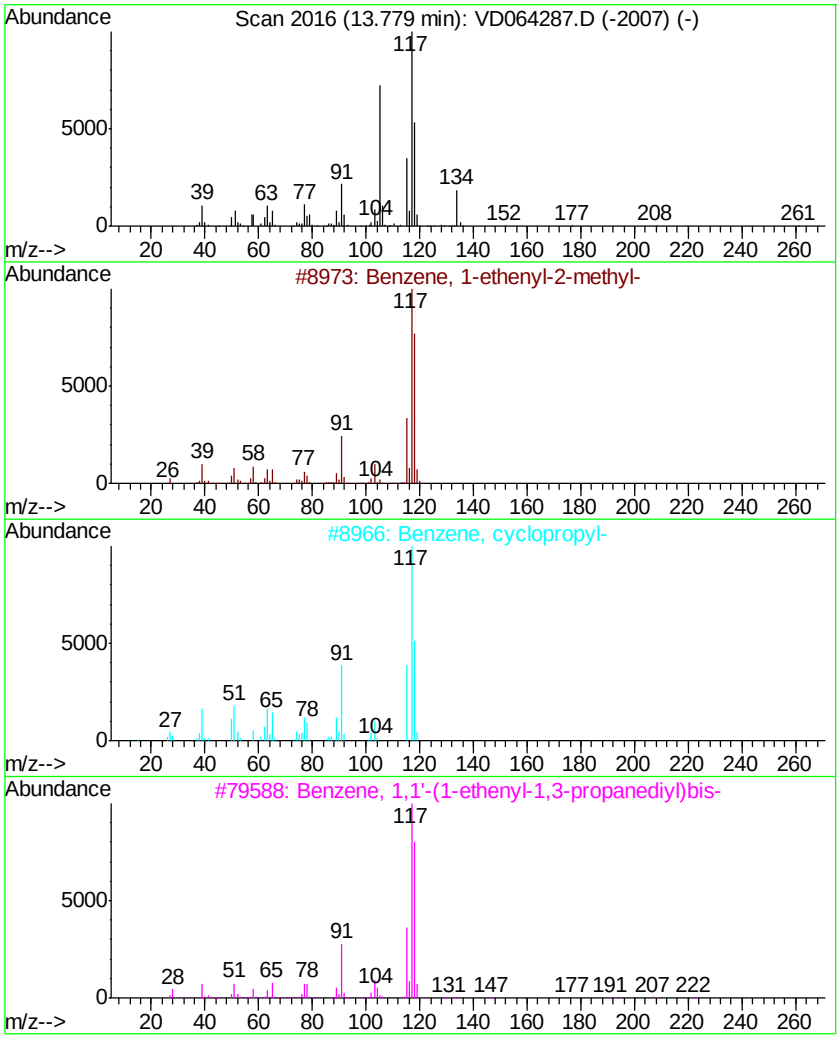
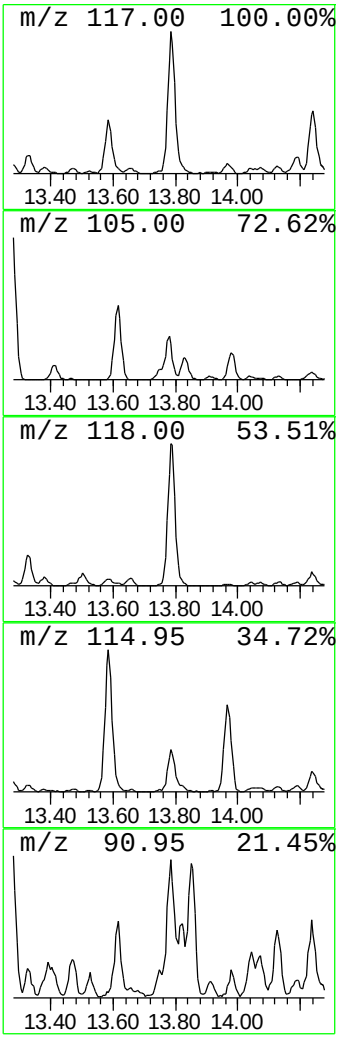
Peak Number 3 Benzene, 1-ethenyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	15.07 ug/l	1235160	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	92
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	92
3	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	80
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
Data File : VD064287.D
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Operator : VA/SY
Sample : K5676-16
Misc : 9.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-01-111519

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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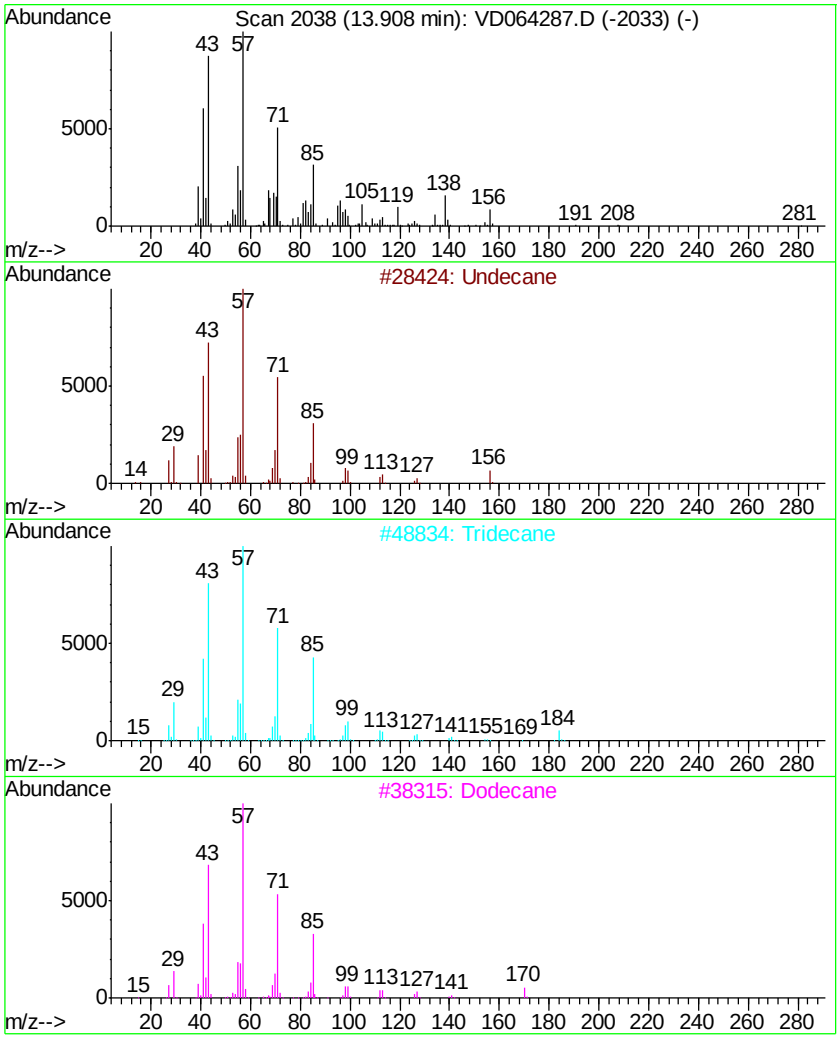
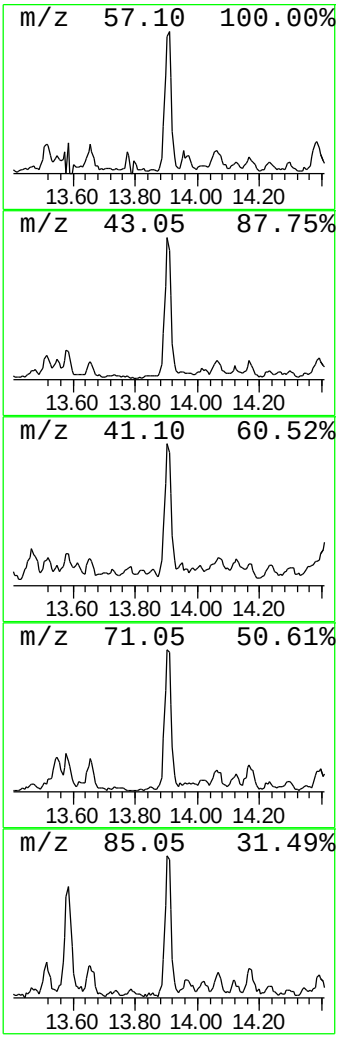
Peak Number 4 Undecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	8.56 ug/l	701982	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	93
2	Tridecane	184	C13H28	000629-50-5	52
3	Dodecane	170	C12H26	000112-40-3	52
4	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	50
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	47





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Instrument : MSVOA_D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

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

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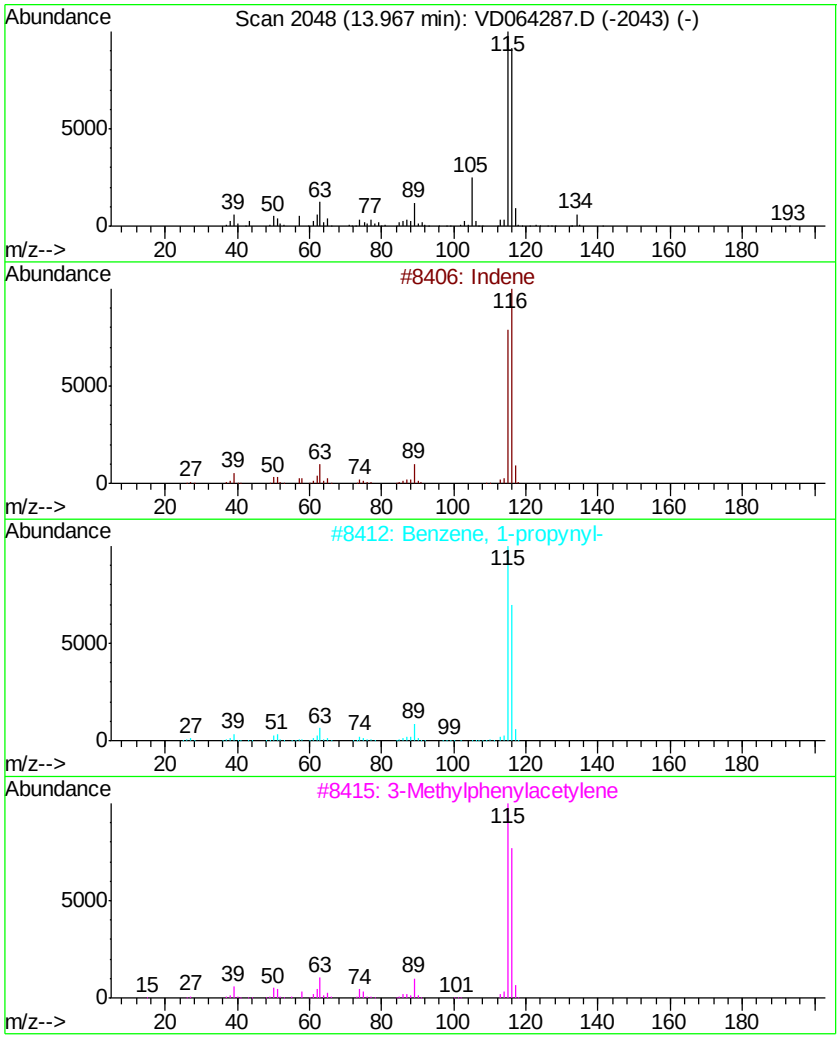
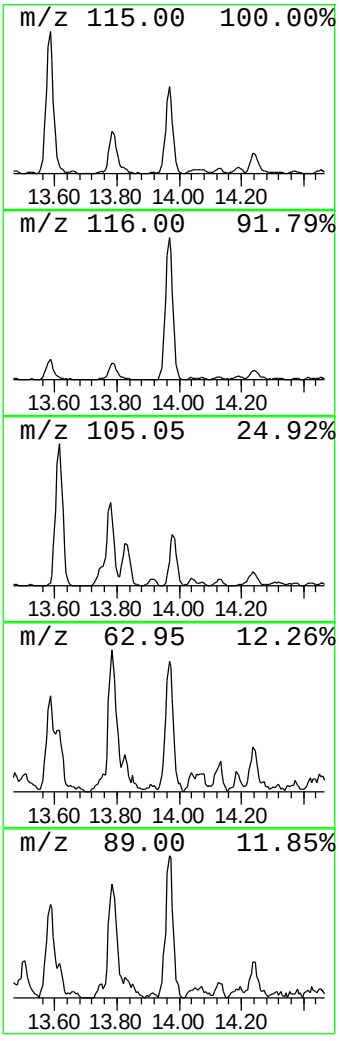
Peak Number 5 Indene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	8.80 ug/l	721419	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	93
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	90
4	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	87
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	87





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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-01-111519

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

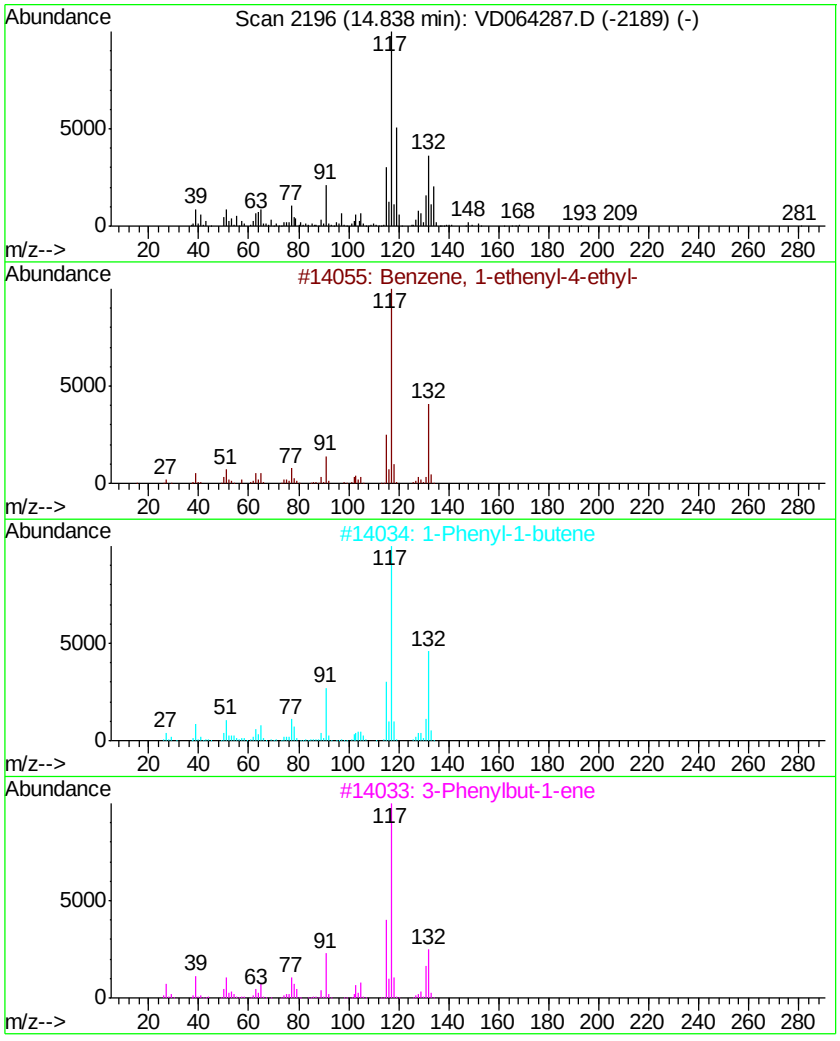
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

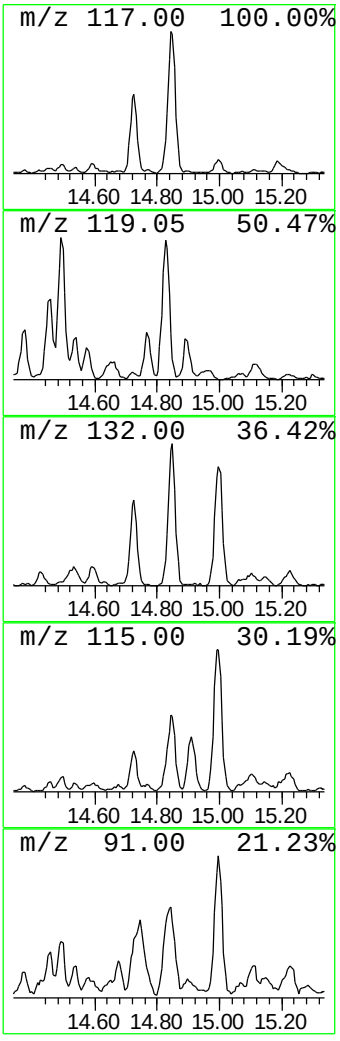
****

Peak Number 6 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	14.60 ug/l	1196800	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81





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Operator : VA/SY
Sample : K5676-16
Misc : 9.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-01-111519

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

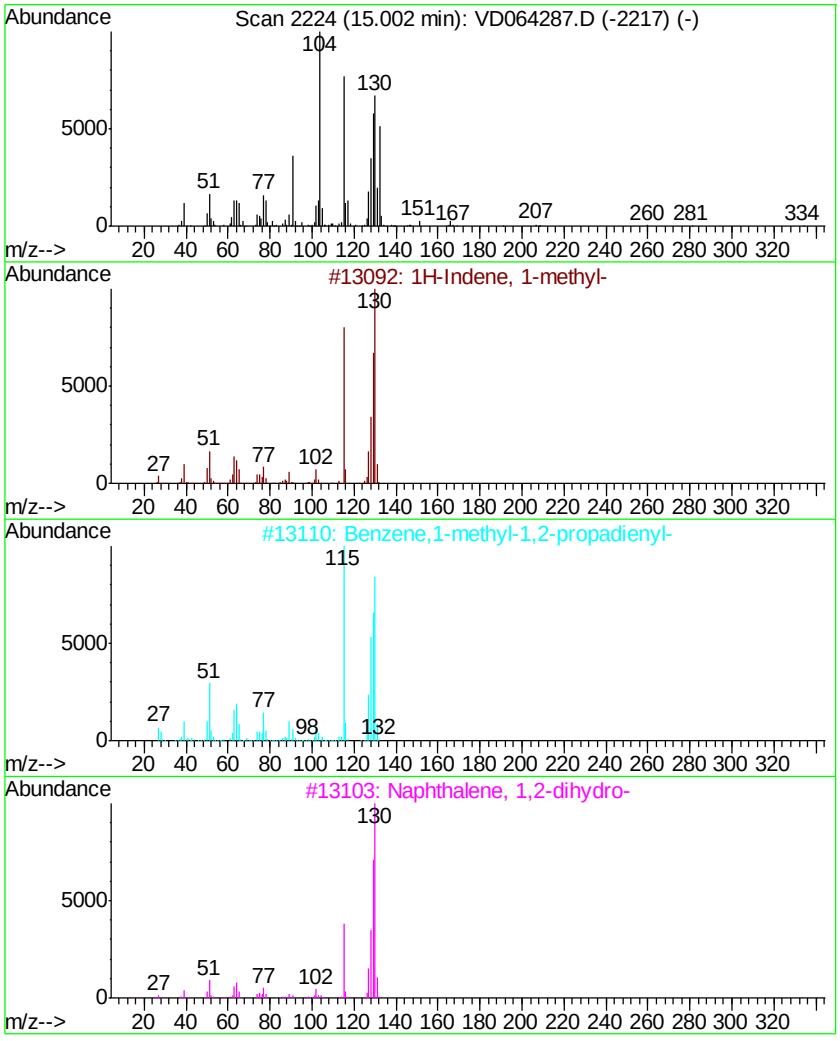
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

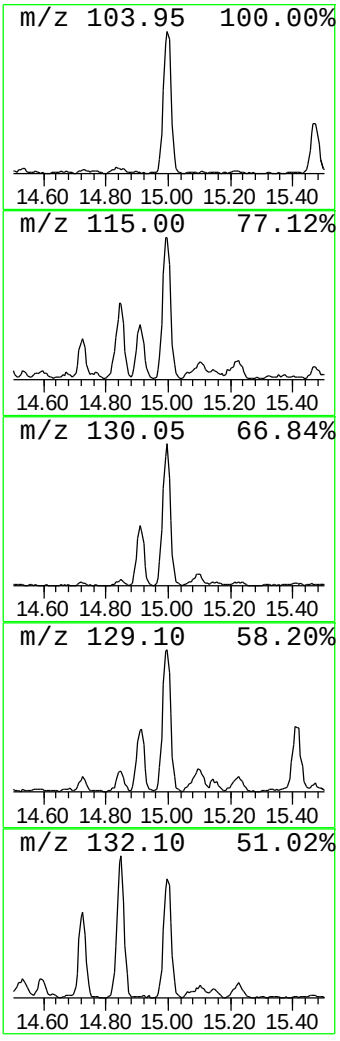
****

Peak Number 7 1H-Indene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	12.94 ug/l	1060790	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	90
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	86
3	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	55
4	2-Methylindene	130	C10H10	002177-47-1	50
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	50





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Data File : VD064287.D
Acq On : 19 Nov 2019 13:58
Operator : VA/SY
Sample : K5676-16
Misc : 9.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-01-111519

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

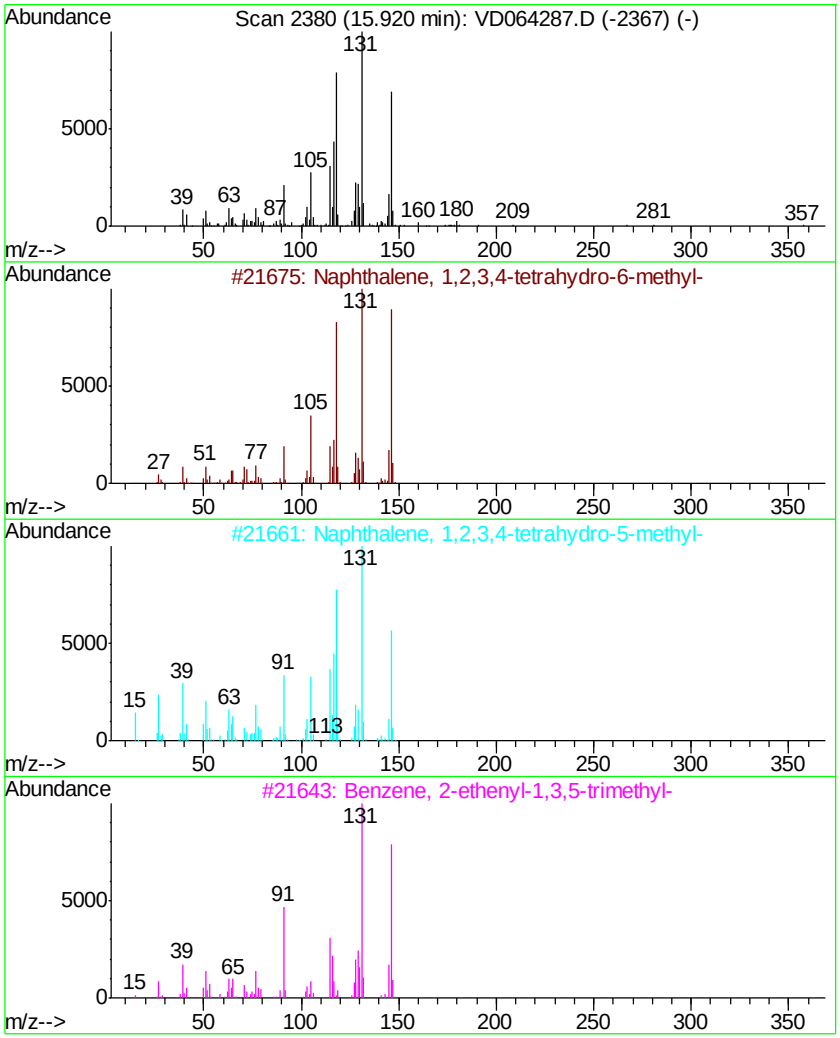
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

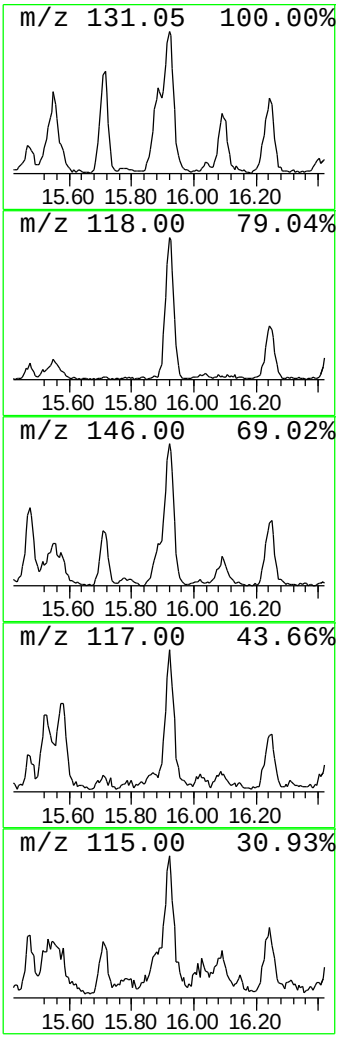
****

Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	9.19 ug/l	753597	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	70
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	60
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
Data File : VD064287.D
Acq On : 19 Nov 2019 13:58
Operator : VA/SY
Sample : K5676-16
Misc : 9.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-01-111519

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

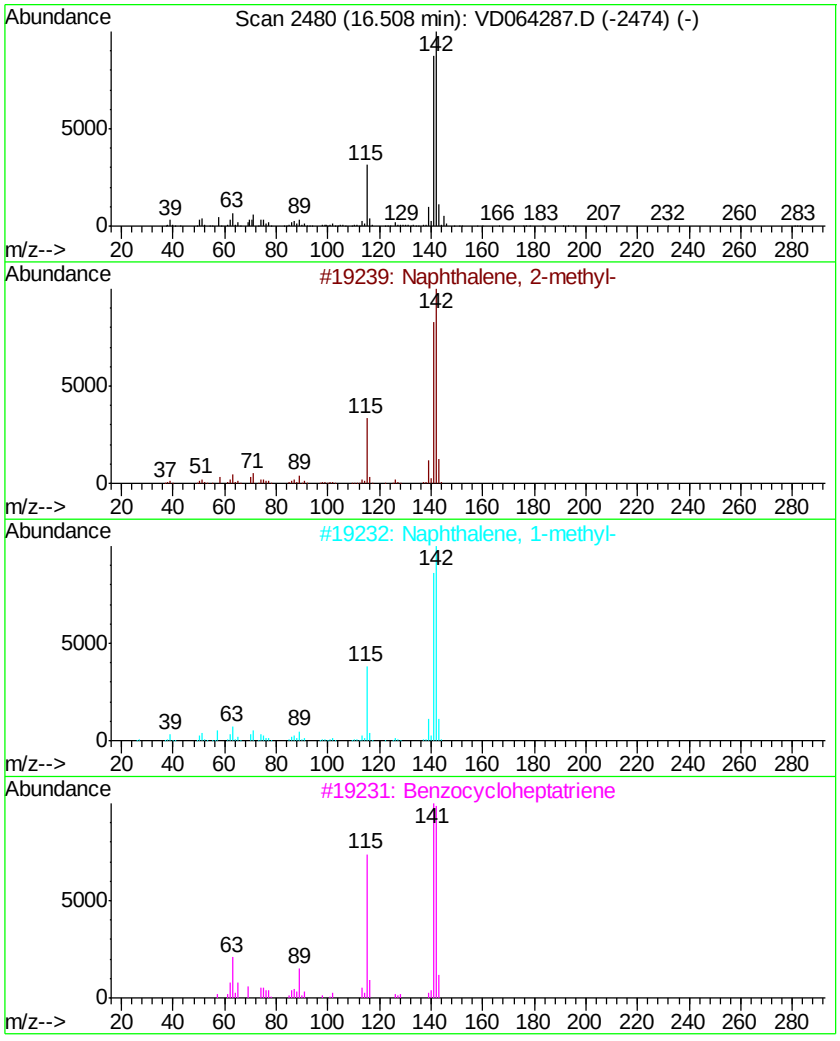
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

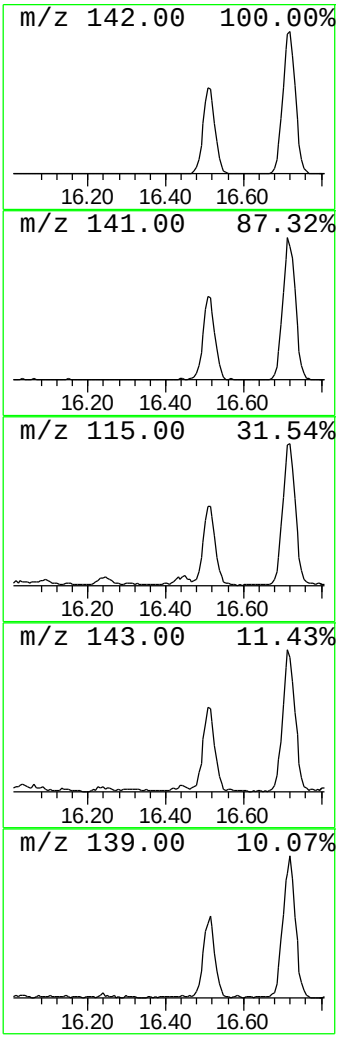
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	16.59 ug/l	1359650	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	90
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111919\
Data File : VD064287.D
Acq On : 19 Nov 2019 13:58
Operator : VA/SY
Sample : K5676-16
Misc : 9.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-01-111519

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.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	12.4	ug/l	1020530	4	13.58	4098120	50.0
Benzene, 1-etheny...	13.78	15.1	ug/l	1235160	4	13.58	4098120	50.0
Undecane	13.91	8.6	ug/l	701982	4	13.58	4098120	50.0
Indene	13.97	8.8	ug/l	721419	4	13.58	4098120	50.0
Benzene, 1-etheny...	14.84	14.6	ug/l	1196800	4	13.58	4098120	50.0
1H-Indene, 1-methyl-	15.00	12.9	ug/l	1060790	4	13.58	4098120	50.0
Naphthalene, 1,2,...	15.92	9.2	ug/l	753597	4	13.58	4098120	50.0
Naphthalene, 1-me...	16.51	16.6	ug/l	1359650	4	13.58	4098120	50.0