LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
Data File : VX001435.D
Acq On : 05 May 2018 22:49
Operator : JC/MD
Sample : J2735-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DISCHARGE-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 : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.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	1.075	76	80	93	rBV	1360737	1715869	100.00%	13.274%
2	4.404	616	626	634	rBV4	6243	19799	1.15%	0.153%
3	5.507	797	807	817	rBV	154797	446228	26.01%	3.452%
4	5.672	824	834	848	rVB	232680	644162	37.54%	4.983%
5	6.074	889	900	913	rBV2	168672	441997	25.76%	3.419%
6	6.867	1020	1030	1050	rBV	326612	793659	46.25%	6.140%
7	7.464	1119	1128	1136	rBV3	12972	29988	1.75%	0.232%
8	8.720	1328	1334	1350	rBV	781251	1223630	71.31%	9.466%
9	10.116	1557	1563	1571	rBV	635474	881709	51.39%	6.821%
10	10.189	1571	1575	1580	rVB	17233	26326	1.53%	0.204%
11	10.342	1596	1600	1609	rBV3	16518	39190	2.28%	0.303%
12	10.518	1623	1629	1636	rBV	16454	26233	1.53%	0.203%
13	10.665	1640	1653	1658	rBV2	36619	96884	5.65%	0.750%
14	10.714	1658	1661	1670	rVB2	11037	18772	1.09%	0.145%
15	10.842	1678	1682	1689	rVB	43243	62467	3.64%	0.483%
16	10.921	1689	1695	1701	rBV4	24983	45601	2.66%	0.353%
17	11.024	1707	1712	1716	rBV	63923	85464	4.98%	0.661%
18	11.140	1726	1731	1736	rBV	654561	848404	49.44%	6.563%
19	11.189	1736	1739	1743	rVB	31141	39228	2.29%	0.303%
20	11.287	1751	1755	1759	rVB	19775	26059	1.52%	0.202%
21	11.677	1813	1819	1826	rBV2	36073	56734	3.31%	0.439%
22	11.774	1828	1835	1840	rBV	121445	156440	9.12%	1.210%
23	11.927	1853	1860	1862	rBV2	29414	49604	2.89%	0.384%
24	11.951	1862	1864	1869	rVB	40727	44495	2.59%	0.344%
25	12.085	1880	1886	1890	rBV	785230	992648	57.85%	7.679%
26	12.116	1890	1891	1898	rVB	24352	28940	1.69%	0.224%
27	12.238	1906	1911	1917	rBV	138901	173373	10.10%	1.341%
28	12.305	1917	1922	1928	rVV	383815	483584	28.18%	3.741%
29	12.372	1929	1933	1941	rVB	81248	111398	6.49%	0.862%
30	12.463	1944	1948	1955	rBV	90302	118153	6.89%	0.914%
31	12.670	1975	1982	1985	rBV5	16444	31030	1.81%	0.240%
32	12.707	1985	1988	1993	rVV2	45990	69042	4.02%	0.534%
33	12.768	1993	1998	2004	rVV3	304043	532904	31.06%	4.123%
34	12.823	2004	2007	2013	rVB3	15240	21196	1.24%	0.164%

LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050518\
Data File : VX001435.D
Acq On : 05 May 2018 22:49
Operator : JC/MD
Sample : J2735-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DISCHARGE-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 : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Title : SW846 8260

35	12.902	2013	2020	2026	rVB	89165	129207	7.53%	1.000%
36	12.981	2026	2033	2038	rBV	245099	332569	19.38%	2.573%
37	13.030	2038	2041	2046	rVB	19231	25176	1.47%	0.195%
38	13.091	2046	2051	2055	rVB3	24000	36445	2.12%	0.282%
39	13.158	2057	2062	2065	rBV	10871	17746	1.03%	0.137%
40	13.201	2065	2069	2071	rBV2	27497	32256	1.88%	0.250%
41	13.231	2071	2074	2077	rBV	46068	48574	2.83%	0.376%
42	13.353	2089	2094	2099	rBV2	99510	131590	7.67%	1.018%
43	13.408	2099	2103	2109	rVV4	29181	47654	2.78%	0.369%
44	13.487	2112	2116	2121	rVB2	25484	35448	2.07%	0.274%
45	13.567	2125	2129	2132	rBV3	15178	23406	1.36%	0.181%
46	13.609	2132	2136	2139	rVV	50919	73983	4.31%	0.572%
47	13.646	2139	2142	2146	rVV2	44831	66873	3.90%	0.517%
48	13.707	2146	2152	2153	rVV2	39978	60955	3.55%	0.472%
49	13.725	2153	2155	2164	rVB2	65837	87539	5.10%	0.677%
50	13.817	2165	2170	2173	rBV	13542	19988	1.16%	0.155%
51	13.859	2173	2177	2182	rVB4	13341	19849	1.16%	0.154%
52	13.920	2182	2187	2193	rVB3	14028	19552	1.14%	0.151%
53	13.993	2193	2199	2203	rBV2	30488	47511	2.77%	0.368%
54	14.036	2203	2206	2210	rBV2	15665	17968	1.05%	0.139%
55	14.140	2218	2223	2226	rBV	31099	38656	2.25%	0.299%
56	14.280	2241	2246	2252	rBV	47149	79230	4.62%	0.613%
57	14.384	2259	2263	2268	rBV2	35199	56607	3.30%	0.438%
58	14.438	2268	2272	2278	rVB2	63391	93518	5.45%	0.723%
59	14.548	2284	2290	2294	rBV2	33282	52516	3.06%	0.406%
60	14.664	2302	2309	2317	rBV	87184	137759	8.03%	1.066%
61	14.743	2317	2322	2326	rVB2	12183	19140	1.12%	0.148%
62	14.847	2334	2339	2348	rBV2	145661	246660	14.38%	1.908%
63	15.255	2401	2406	2412	rBV2	17042	26187	1.53%	0.203%
64	15.322	2412	2417	2425	rBV2	53080	85694	4.99%	0.663%
65	15.487	2440	2444	2449	rVB	32889	44791	2.61%	0.347%
66	15.554	2452	2455	2458	rBV2	13408	19814	1.15%	0.153%
67	15.591	2458	2461	2469	rVB	24581	42905	2.50%	0.332%
68	15.694	2469	2478	2483	rBV	73392	134528	7.84%	1.041%
69	15.816	2493	2498	2507	rBV2	19012	33757	1.97%	0.261%
70	15.902	2507	2512	2513	rVV2	22223	34457	2.01%	0.267%
71	15.932	2514	2517	2526	rVB2	34344	58477	3.41%	0.452%

LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
Data File : VX001435.D
Acq On : 05 May 2018 22:49
Operator : JC/MD
Sample : J2735-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DISCHARGE-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 : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Title : SW846 8260

72	16.078	2536	2541	2547	rBV	25061	44306	2.58%	0.343%
73	16.426	2589	2598	2605	rBV6	7381	21604	1.26%	0.167%

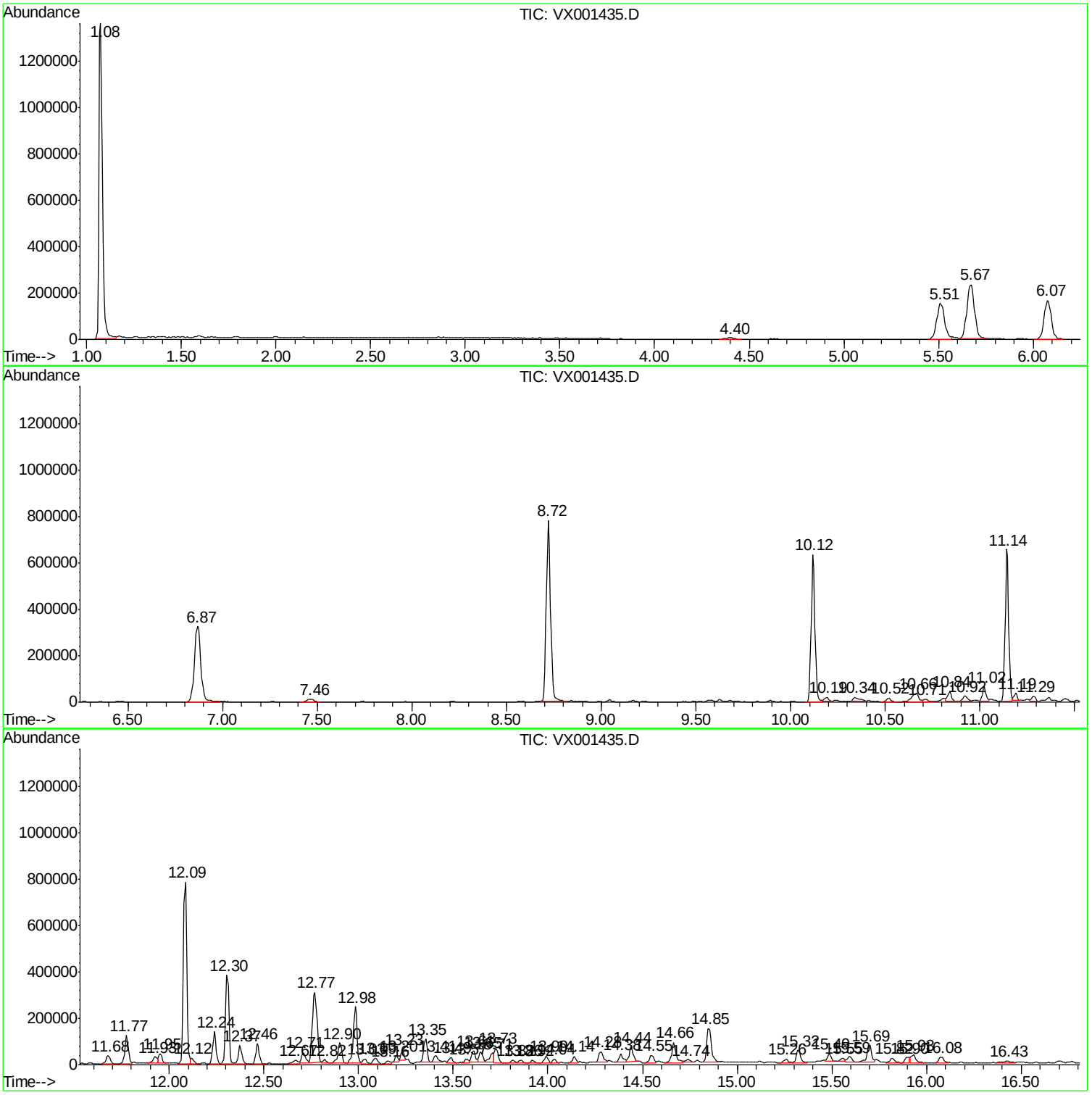
Sum of corrected areas: 12926105

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
Data File : VX001435.D
Acq On : 05 May 2018 22:49
Operator : JC/MD
Sample : J2735-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DISCHARGE-1

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

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



Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
Data File : VX001435.D
Acq On : 05 May 2018 22:49
Operator : JC/MD
Sample : J2735-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DISCHARGE-1

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

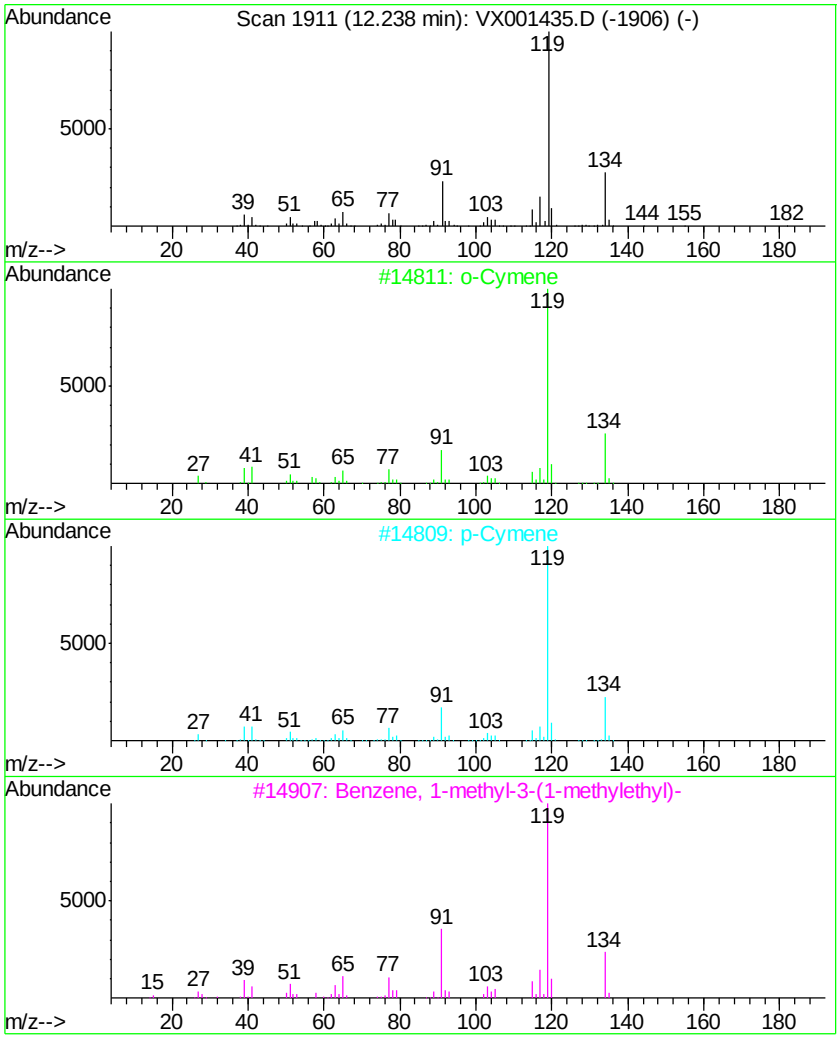
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

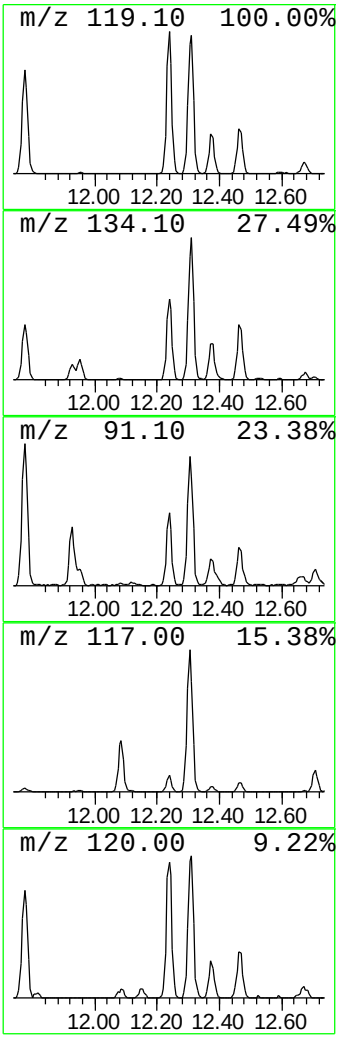
****

Peak Number 2 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	8.73 ug/l	173373	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	p-Cymene	134	C10H14	000099-87-6	97
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
Data File : VX001435.D
Acq On : 05 May 2018 22:49
Operator : JC/MD
Sample : J2735-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DISCHARGE-1

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

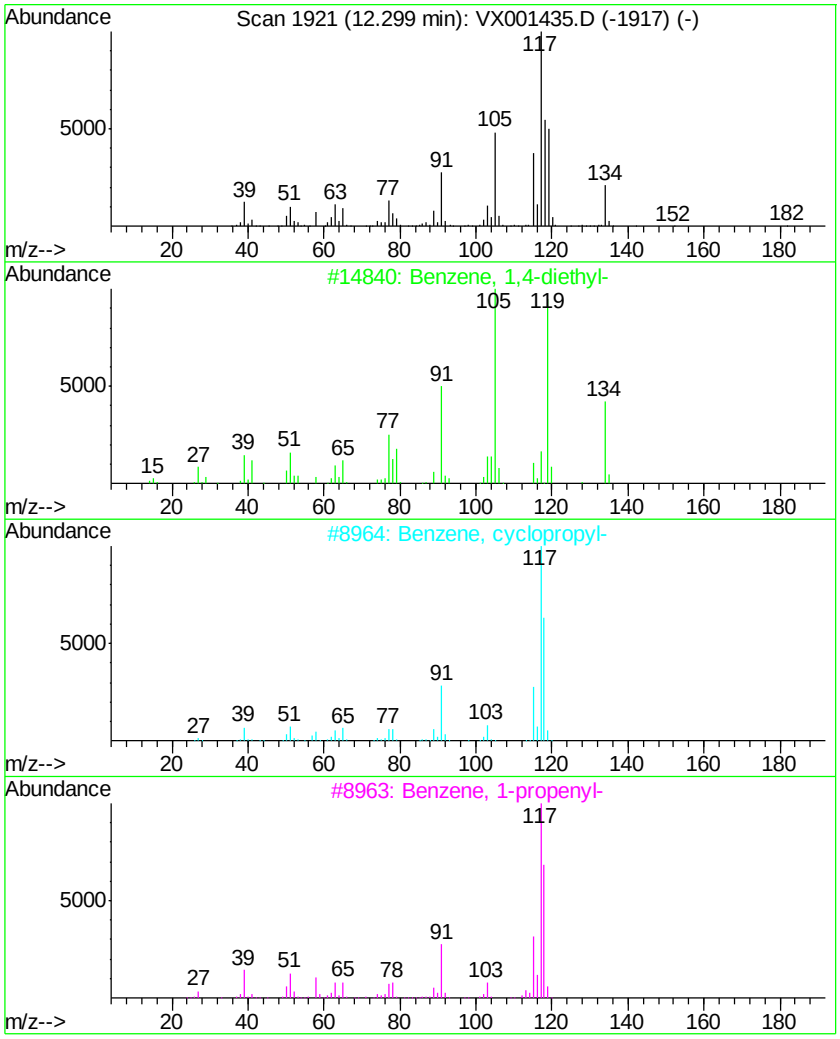
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

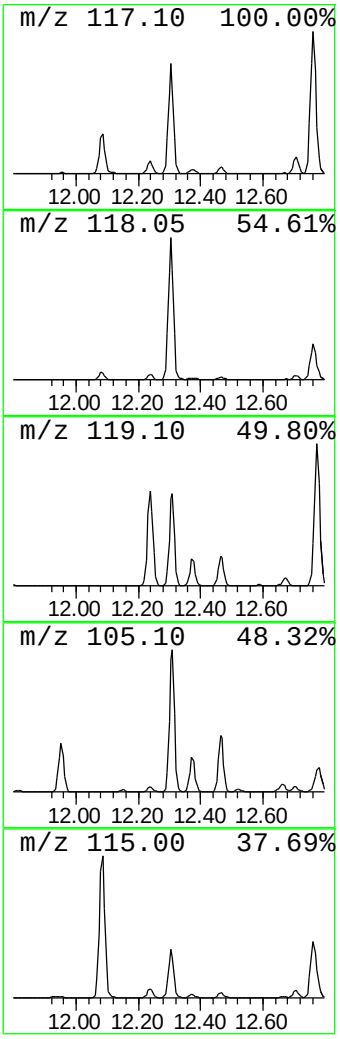
****

Peak Number 3 Benzene, 1,4-diethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	24.36 ug/l	483584	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	55
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	55
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	55
4	Deltacyclene	118	C9H10	007785-10-6	55
5	Indane	118	C9H10	000496-11-7	55





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
Data File : VX001435.D
Acq On : 05 May 2018 22:49
Operator : JC/MD
Sample : J2735-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DISCHARGE-1

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

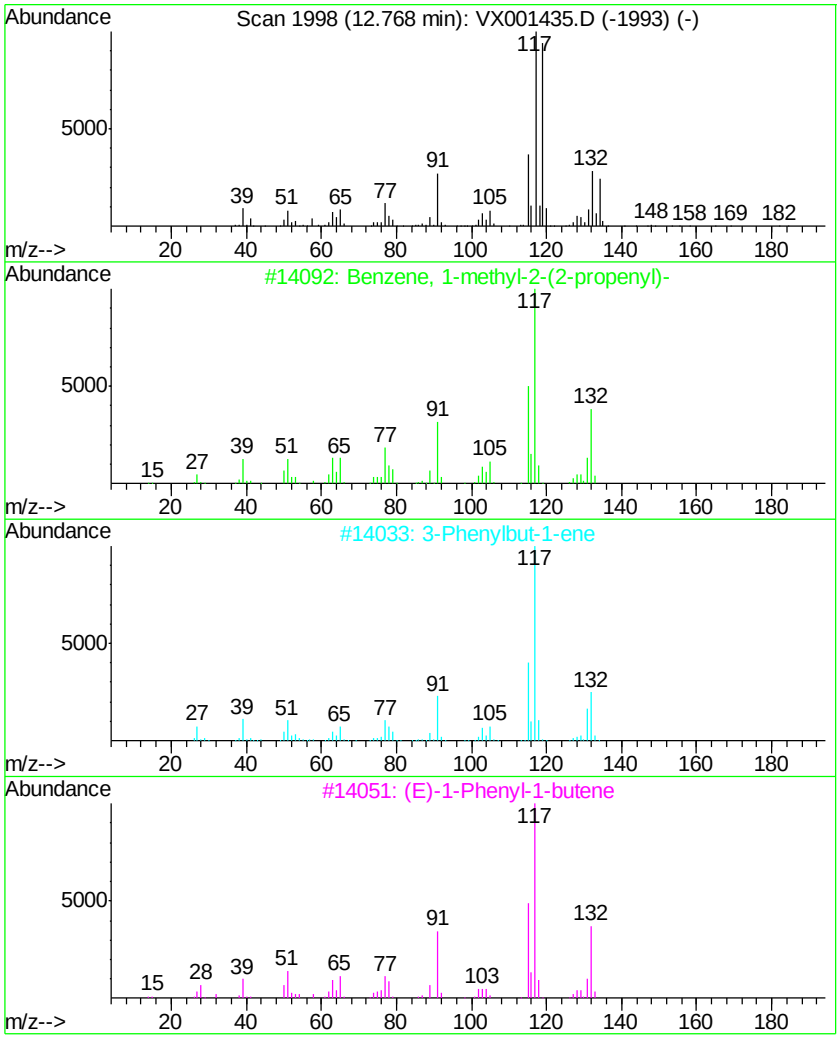
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

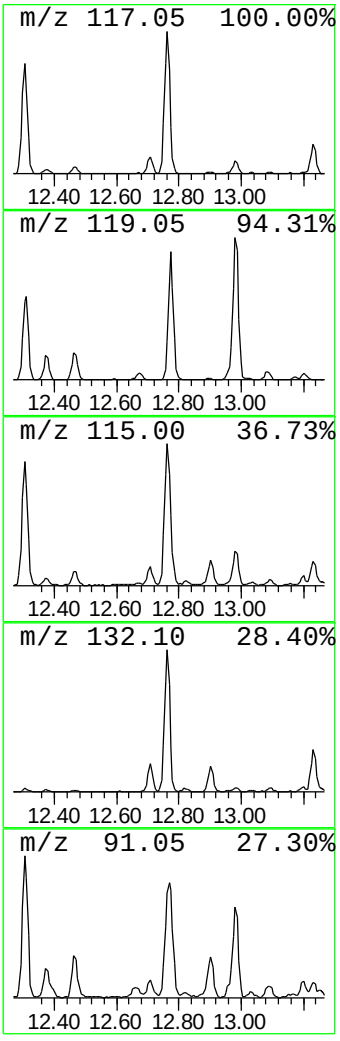
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	26.84 ug/l	532904	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	70
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	55
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	55





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
Data File : VX001435.D
Acq On : 05 May 2018 22:49
Operator : JC/MD
Sample : J2735-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DISCHARGE-1

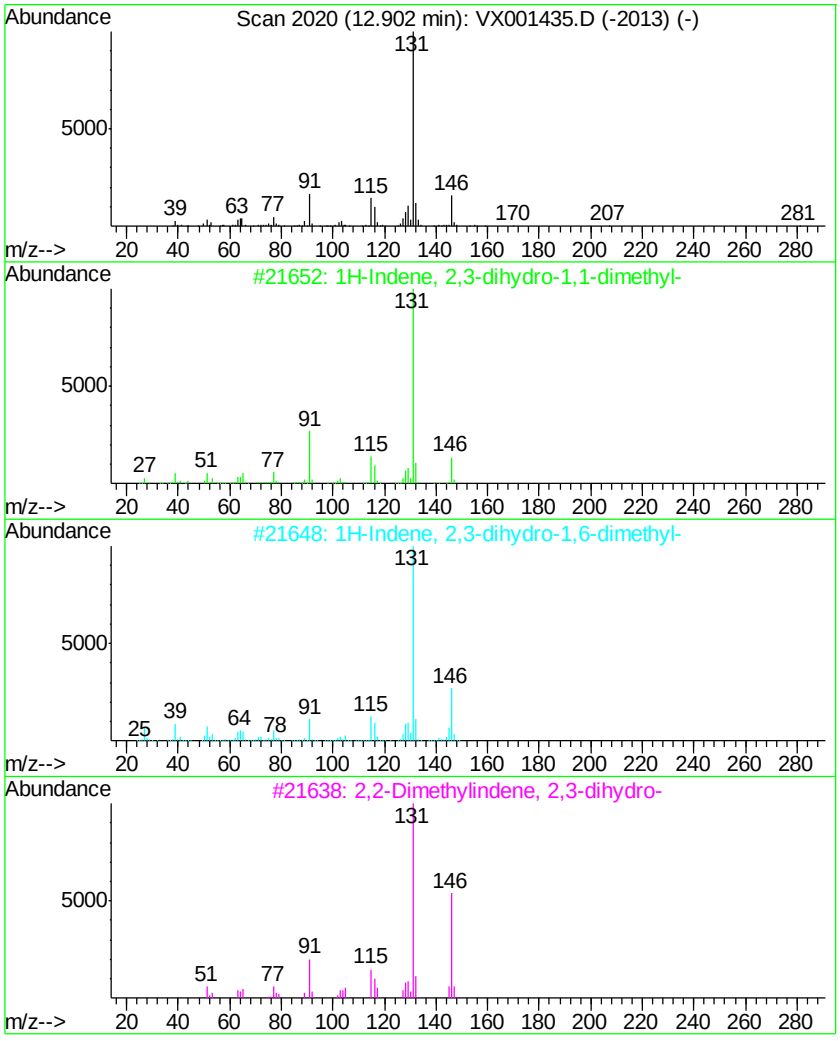
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

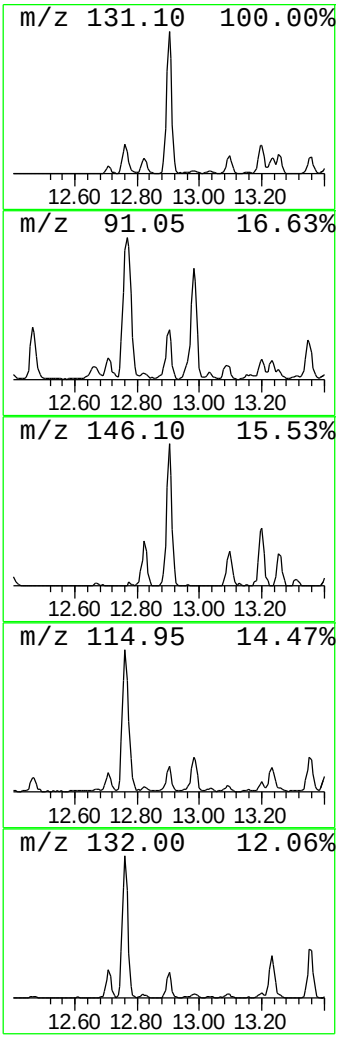
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	6.51 ug/l	129207	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	95
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	90
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	87





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
Data File : VX001435.D
Acq On : 05 May 2018 22:49
Operator : JC/MD
Sample : J2735-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DISCHARGE-1

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

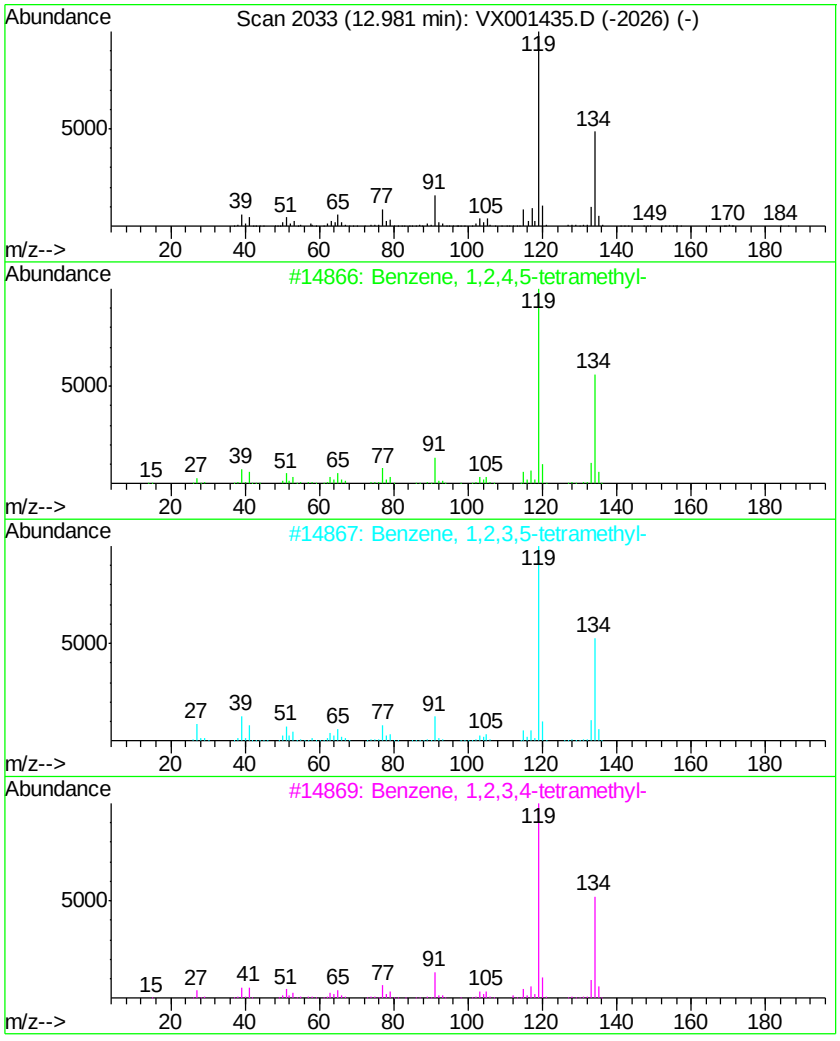
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

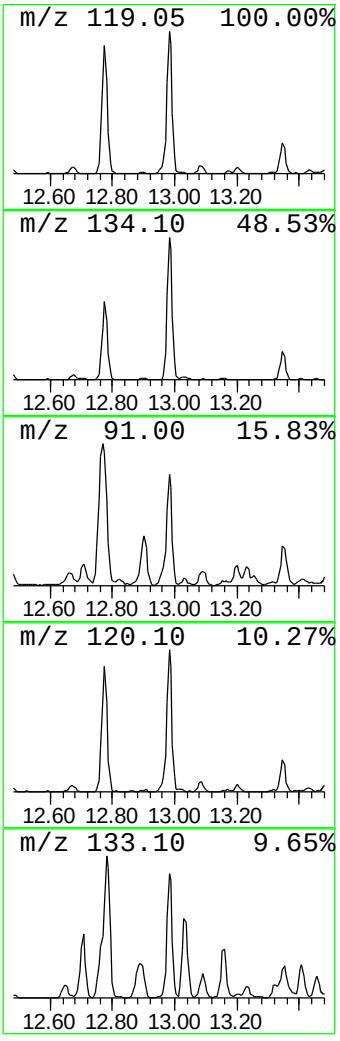
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	16.75 ug/l	332569	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	o-Cymene	134	C10H14	000527-84-4	93





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
Data File : VX001435.D
Acq On : 05 May 2018 22:49
Operator : JC/MD
Sample : J2735-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DISCHARGE-1

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

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

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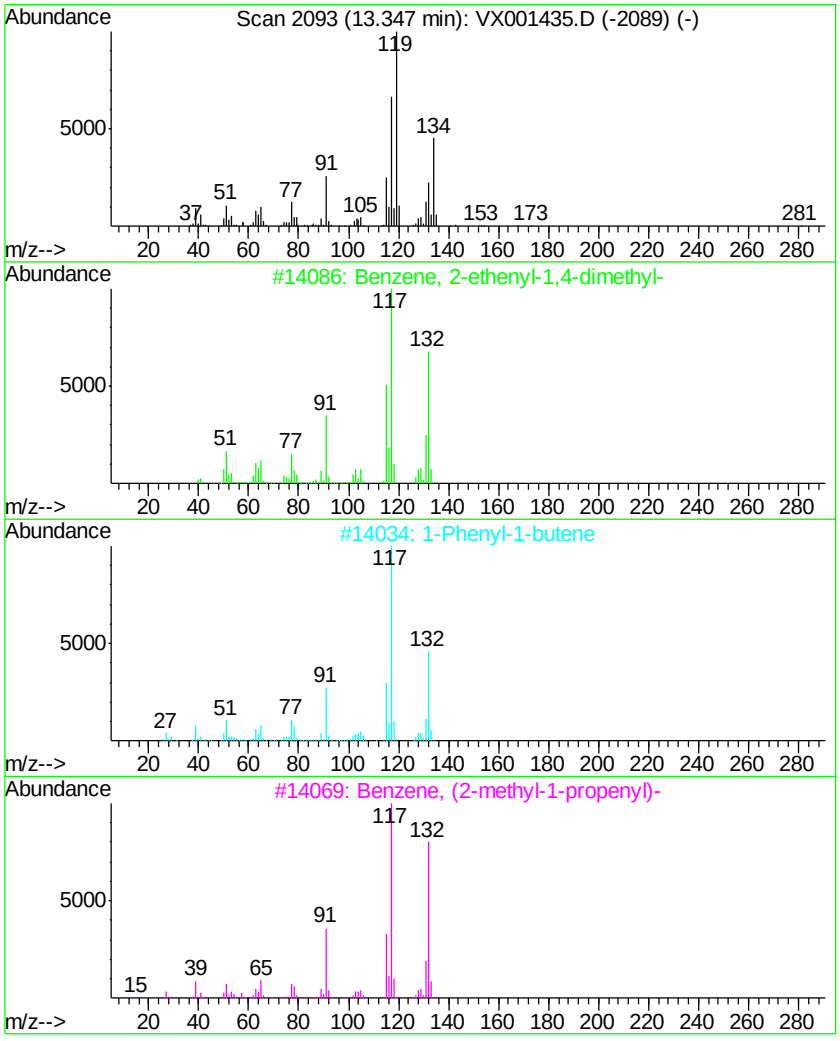
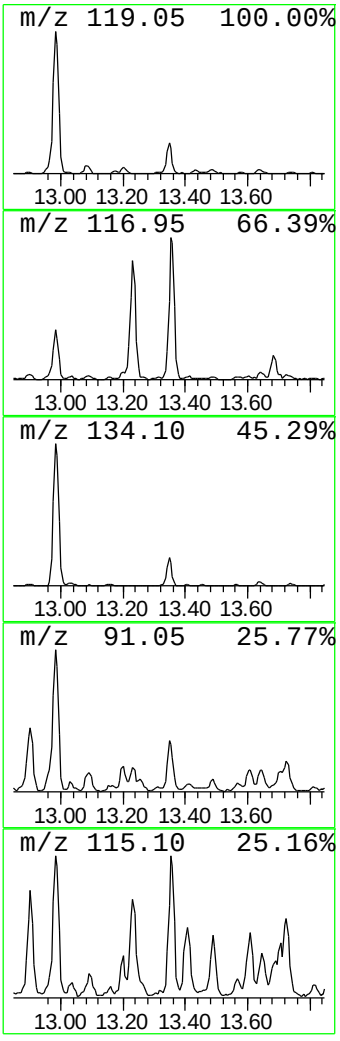
Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	6.63 ug/l	131590	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
Data File : VX001435.D
Acq On : 05 May 2018 22:49
Operator : JC/MD
Sample : J2735-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DISCHARGE-1

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

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

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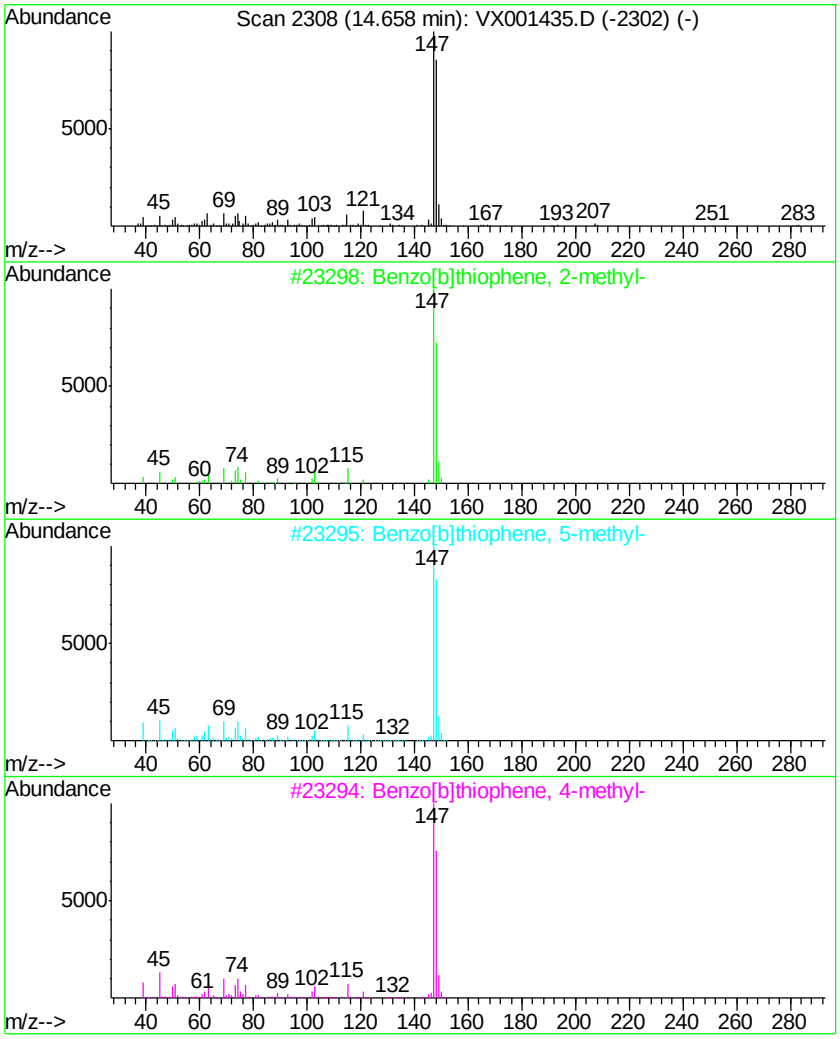
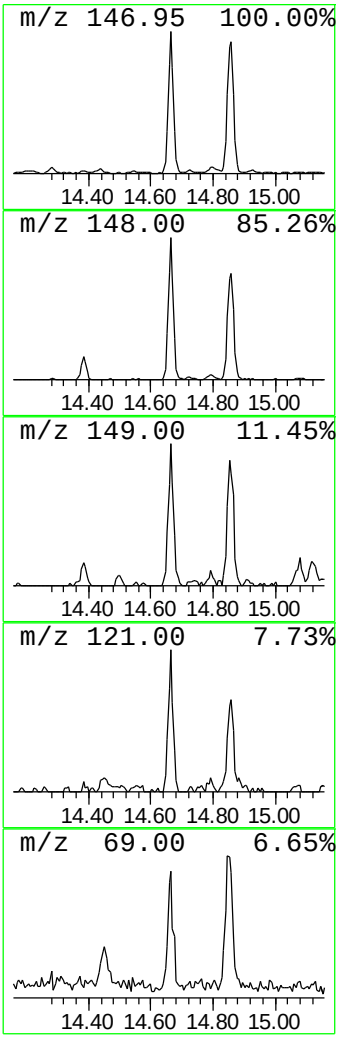
Peak Number 8 Benzo[b]thiophene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	6.94 ug/l	137759	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
2	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
3	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
5	Benzaldehyde, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	80





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
Data File : VX001435.D
Acq On : 05 May 2018 22:49
Operator : JC/MD
Sample : J2735-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DISCHARGE-1

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260

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

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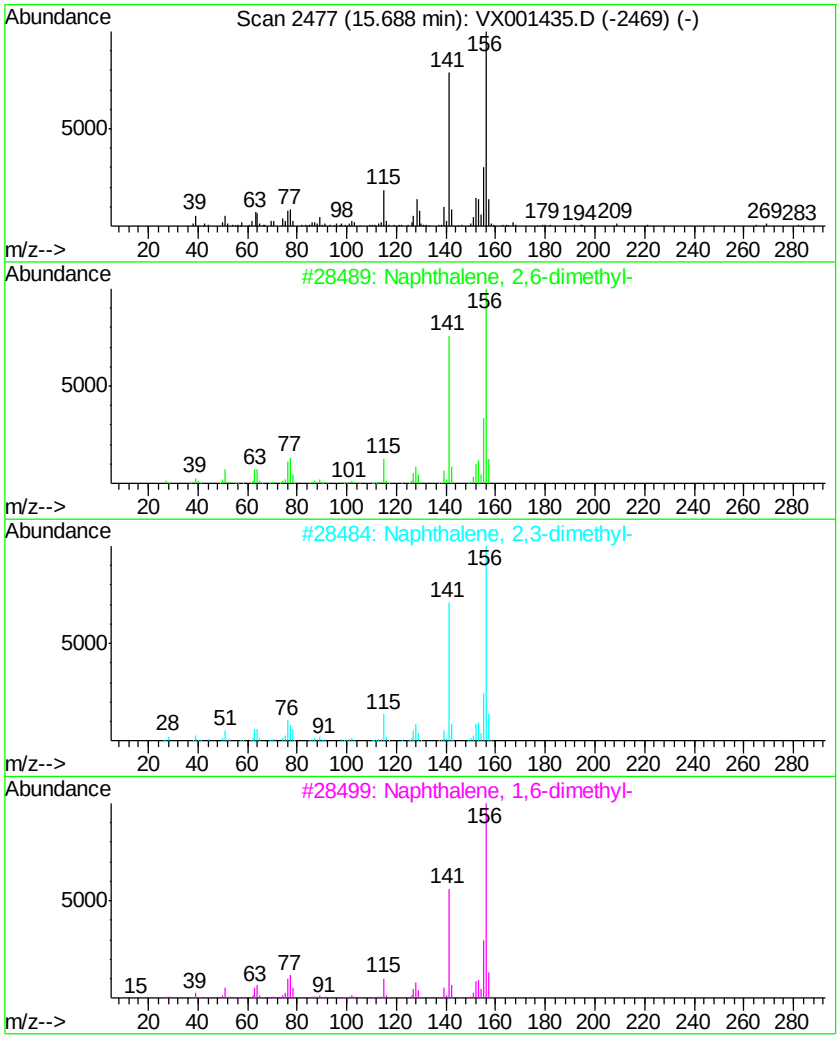
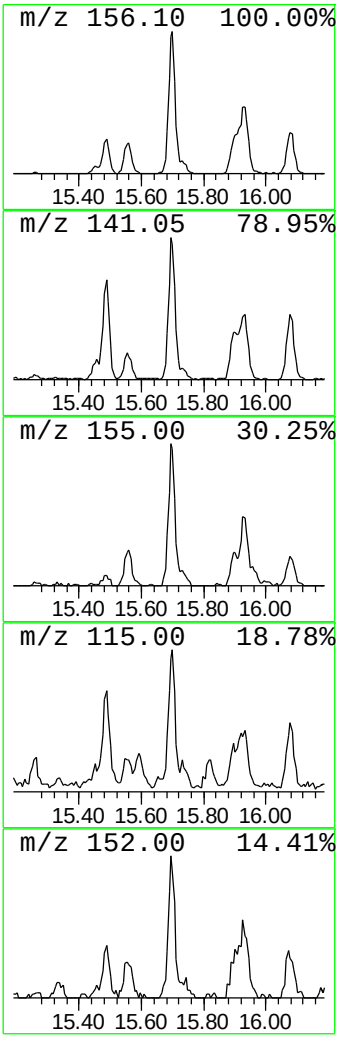
Peak Number 10 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	6.78 ug/l	134528	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Tentatively Identified Compound (LSC) summary

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
Data File : VX001435.D
Acq On : 05 May 2018 22:49
Operator : JC/MD
Sample : J2735-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DISCHARGE-1

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.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
o-Cymene	12.24	8.7	ug/l	173373	4	12.09	992648	50.0
Benzene, 1,4-diet...	12.30	24.4	ug/l	483584	4	12.09	992648	50.0
Benzene, 1-methyl...	12.77	26.8	ug/l	532904	4	12.09	992648	50.0
1H-Indene, 2,3-di...	12.90	6.5	ug/l	129207	4	12.09	992648	50.0
Benzene, 1,2,4,5-...	12.98	16.8	ug/l	332569	4	12.09	992648	50.0
Benzene, 2-etheny...	13.35	6.6	ug/l	131590	4	12.09	992648	50.0
Benzo[b]thiophene...	14.66	6.9	ug/l	137759	4	12.09	992648	50.0
Naphthalene, 2,6-...	15.69	6.8	ug/l	134528	4	12.09	992648	50.0