LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122618\
Data File : VX006822.D
Acq On : 26 Dec 2018 16:56
Operator : JC/MD
Sample : J6549-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-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_X\METHOD\82X121818W.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	1.276	16	20	23	rBV	103383	135248	1.43%	0.162%
2	1.319	23	27	37	rVV	165378	488425	5.16%	0.584%
3	1.410	39	42	50	rVV	146481	199488	2.11%	0.239%
4	1.593	67	72	76	rBV3	57437	140946	1.49%	0.169%
5	3.166	324	330	343	rVB	62582	139796	1.48%	0.167%
6	4.598	553	565	581	rBV	3463065	9469234	100.00%	11.327%
7	5.501	701	713	729	rBV	391712	1152852	12.17%	1.379%
8	5.659	729	739	759	rVB	699940	2000832	21.13%	2.393%
9	6.068	793	806	814	rBV	404275	1050169	11.09%	1.256%
10	6.141	814	818	828	rVB3	44437	108050	1.14%	0.129%
11	6.860	926	936	948	rBV	1005135	2373803	25.07%	2.840%
12	8.714	1233	1240	1246	rBV	2149591	3253857	34.36%	3.892%
13	8.787	1246	1252	1263	rVB	3006804	4763886	50.31%	5.699%
14	10.110	1464	1469	1479	rVB	2069472	2849685	30.09%	3.409%
15	10.250	1487	1492	1499	rBV	817595	1057560	11.17%	1.265%
16	10.354	1502	1509	1516	rVV	4900752	6641578	70.14%	7.945%
17	10.695	1560	1565	1575	rVB	2712974	3593921	37.95%	4.299%
18	11.018	1612	1618	1622	rBV	83418	119618	1.26%	0.143%
19	11.134	1632	1637	1648	rVB	1927462	2538221	26.80%	3.036%
20	11.359	1669	1674	1678	rBV	163465	201015	2.12%	0.240%
21	11.433	1680	1686	1693	rVV	1763812	3059616	32.31%	3.660%
22	11.506	1693	1698	1705	rVV	2080989	2797289	29.54%	3.346%
23	11.561	1705	1707	1715	rVB2	78226	109866	1.16%	0.131%
24	11.664	1719	1724	1732	rBV	1342243	1726443	18.23%	2.065%
25	11.768	1737	1741	1743	rVV	201757	256125	2.70%	0.306%
26	11.804	1743	1747	1757	rVB	3686397	4448111	46.97%	5.321%
27	11.945	1767	1770	1774	rVB	80614	103290	1.09%	0.124%
28	12.024	1779	1783	1786	rVV	366306	458350	4.84%	0.548%
29	12.079	1786	1792	1797	rVV	2377875	3223192	34.04%	3.856%
30	12.140	1797	1802	1809	rVV	2407052	2994842	31.63%	3.582%
31	12.225	1813	1816	1821	rVB2	132243	170604	1.80%	0.204%
32	12.298	1823	1828	1830	rBV	931804	1192703	12.60%	1.427%
33	12.323	1830	1832	1835	rVV	575712	579727	6.12%	0.693%
34	12.371	1835	1840	1847	rVB2	1574157	2017465	21.31%	2.413%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122618\
Data File : VX006822.D
Acq On : 26 Dec 2018 16:56
Operator : JC/MD
Sample : J6549-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-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_X\METHOD\82X121818W.M
Title : SW846 8260

35	12.475	1847	1857	1860	rBV3	409103	588798	6.22%	0.704%
36	12.518	1860	1864	1870	rVB	378394	492789	5.20%	0.589%
37	12.585	1870	1875	1877	rBV	451567	600686	6.34%	0.719%
38	12.609	1877	1879	1885	rVV	439284	580941	6.14%	0.695%
39	12.664	1885	1888	1892	rVV	1252124	1449153	15.30%	1.733%
40	12.756	1898	1903	1910	rBV2	394608	875932	9.25%	1.048%
41	12.810	1910	1912	1915	rVV2	127054	135297	1.43%	0.162%
42	12.847	1915	1918	1923	rVV2	162674	192493	2.03%	0.230%
43	12.902	1923	1927	1931	rVV2	416311	482796	5.10%	0.578%
44	12.975	1933	1939	1943	rVV	1142186	1500705	15.85%	1.795%
45	13.018	1943	1946	1951	rVB	1148400	1378501	14.56%	1.649%
46	13.079	1951	1956	1957	rBV2	110336	148523	1.57%	0.178%
47	13.225	1972	1980	1983	rBV2	289879	439607	4.64%	0.526%
48	13.341	1989	1999	2004	rBV2	1312339	2205555	23.29%	2.638%
49	13.390	2004	2007	2012	rVB	1456502	1812806	19.14%	2.168%
50	13.481	2017	2022	2026	rVV	350143	494012	5.22%	0.591%
51	13.530	2026	2030	2031	rVV	90106	106625	1.13%	0.128%
52	13.548	2031	2033	2038	rVV4	87011	138525	1.46%	0.166%
53	13.603	2038	2042	2045	rVV	161949	207789	2.19%	0.249%
54	13.652	2045	2050	2055	rVV5	148554	283713	3.00%	0.339%
55	13.719	2055	2061	2068	rVV3	93919	201028	2.12%	0.240%
56	13.835	2075	2080	2086	rVB	692207	990473	10.46%	1.185%
57	13.896	2086	2090	2098	rBV6	68773	146431	1.55%	0.175%
58	13.981	2101	2104	2108	rVB3	71385	103844	1.10%	0.124%
59	14.030	2108	2112	2117	rBV3	47329	103413	1.09%	0.124%
60	14.091	2118	2122	2125	rBV	193849	218629	2.31%	0.262%
61	14.127	2125	2128	2130	rVV2	122149	152498	1.61%	0.182%
62	14.158	2130	2133	2141	rVB	218464	342264	3.61%	0.409%
63	14.267	2148	2151	2156	rVV3	68446	111347	1.18%	0.133%
64	14.432	2174	2178	2191	rVB3	138826	324330	3.43%	0.388%
65	14.560	2196	2199	2205	rVB4	82325	163660	1.73%	0.196%
66	14.670	2213	2217	2218	rBV3	97450	114047	1.20%	0.136%
67	14.694	2218	2221	2225	rVB	272036	310654	3.28%	0.372%
68	14.810	2232	2240	2242	rBV	177447	245648	2.59%	0.294%
69	14.841	2242	2245	2250	rVB	172417	233541	2.47%	0.279%
70	15.273	2313	2316	2320	rVV2	97557	126637	1.34%	0.151%
71	15.554	2357	2362	2369	rBV2	121148	178148	1.88%	0.213%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122618\
Data File : VX006822.D
Acq On : 26 Dec 2018 16:56
Operator : JC/MD
Sample : J6549-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-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_X\METHOD\82X121818W.M
Title : SW846 8260

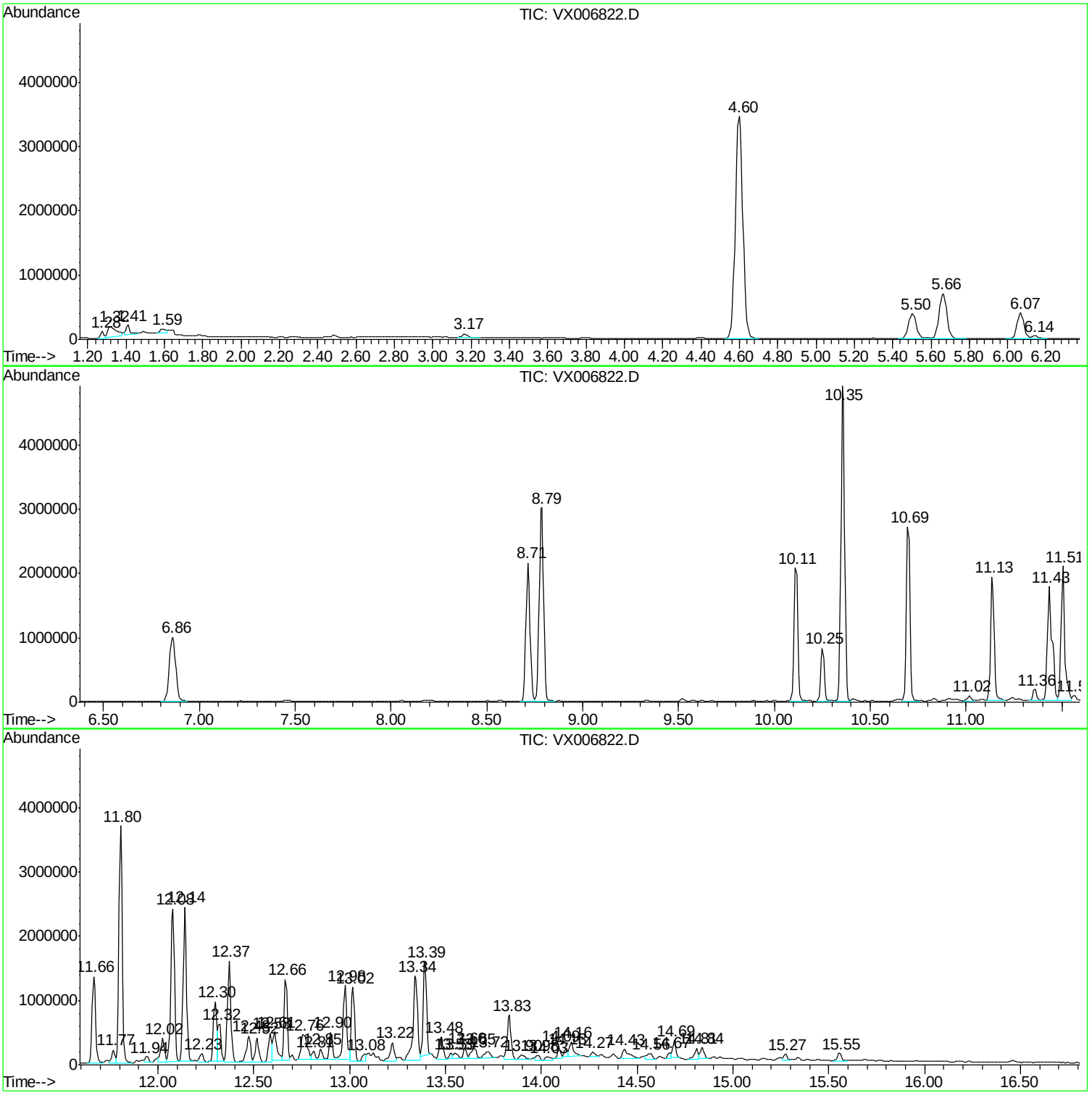
Sum of corrected areas: 83597645

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
Data File : VX006822.D
Acq On : 26 Dec 2018 16:56
Operator : JC/MD
Sample : J6549-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
Data File : VX006822.D
Acq On : 26 Dec 2018 16:56
Operator : JC/MD
Sample : J6549-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

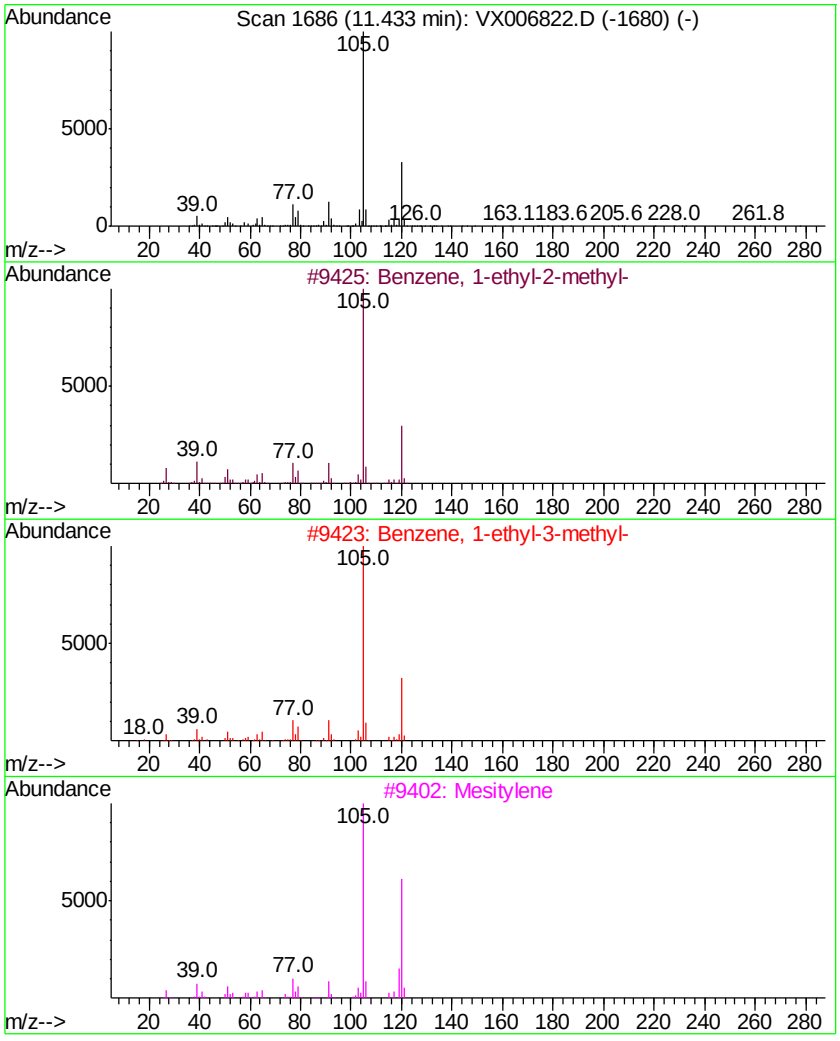
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

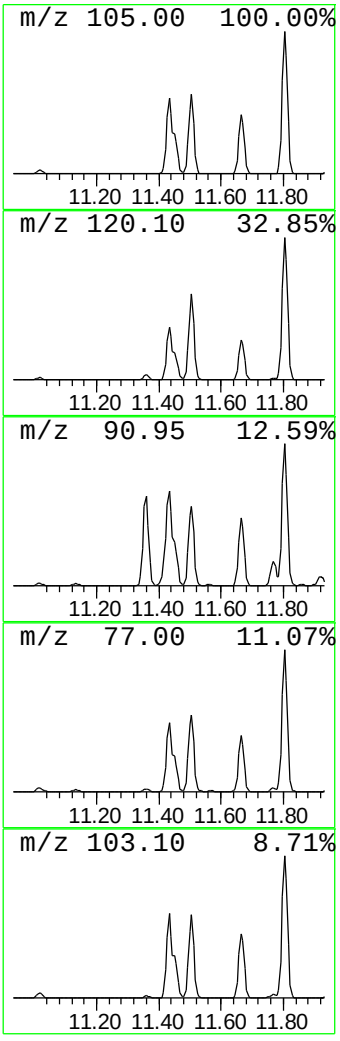
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	47.46 ug/l	3059620	1,4-Dichlorobenzene-d4	12.08

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
Data File : VX006822.D
Acq On : 26 Dec 2018 16:56
Operator : JC/MD
Sample : J6549-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

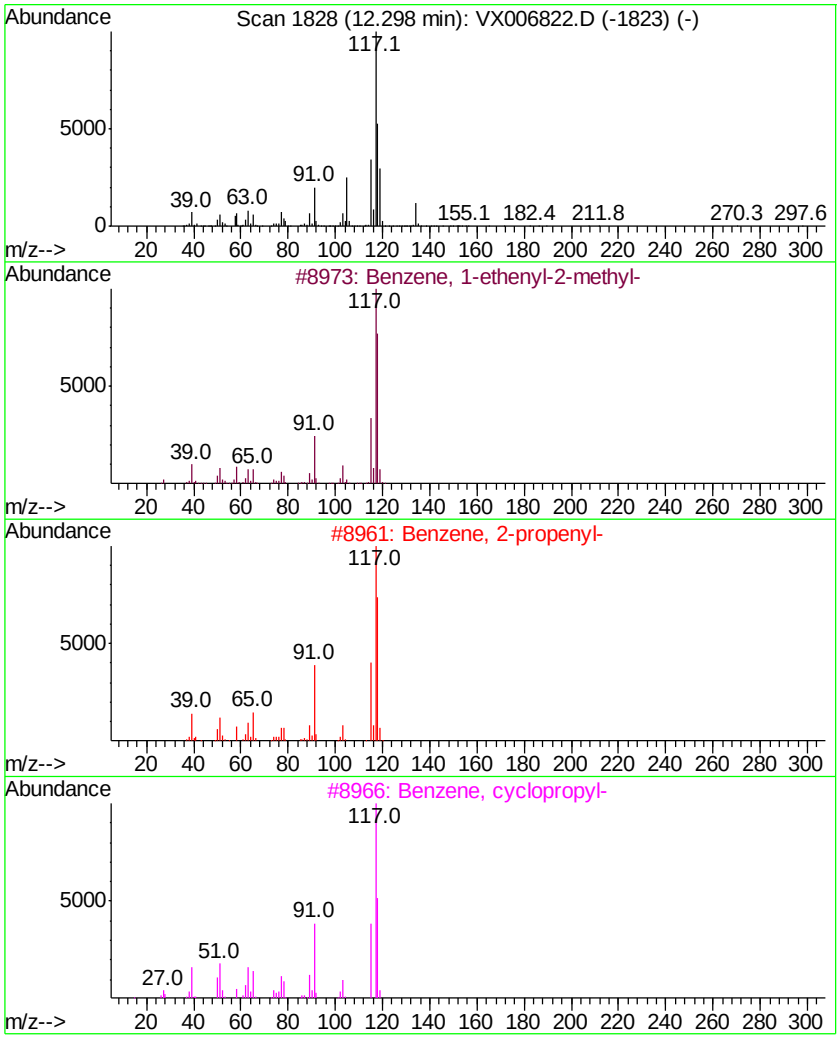
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

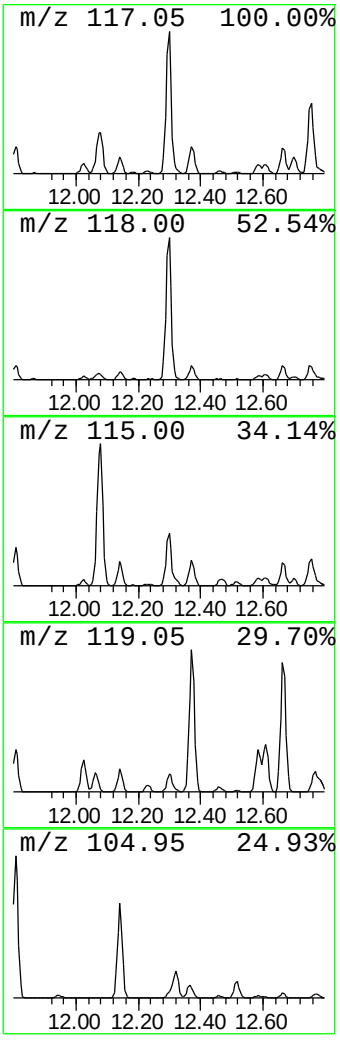
****

Peak Number 4 Benzene, 1-ethenyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	18.50 ug/l	1192700	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	91
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4	Indane	118	C9H10	000496-11-7	64
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
Data File : VX006822.D
Acq On : 26 Dec 2018 16:56
Operator : JC/MD
Sample : J6549-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

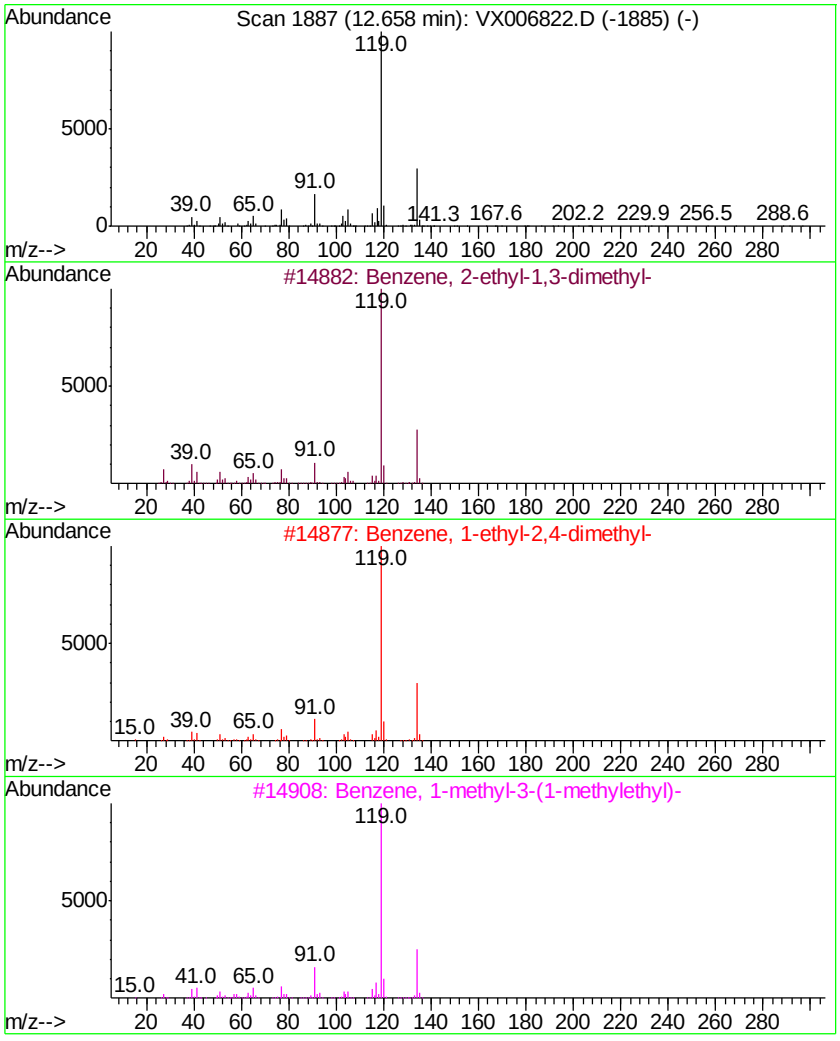
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

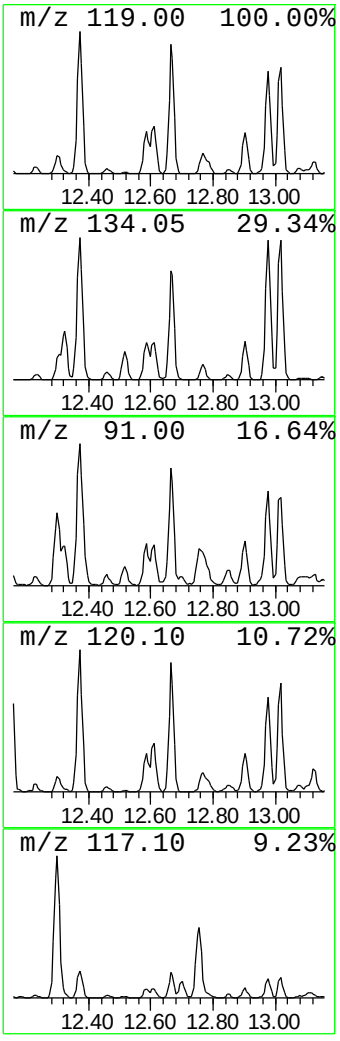
****

Peak Number 6 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	22.48 ug/l	1449150	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
Data File : VX006822.D
Acq On : 26 Dec 2018 16:56
Operator : JC/MD
Sample : J6549-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

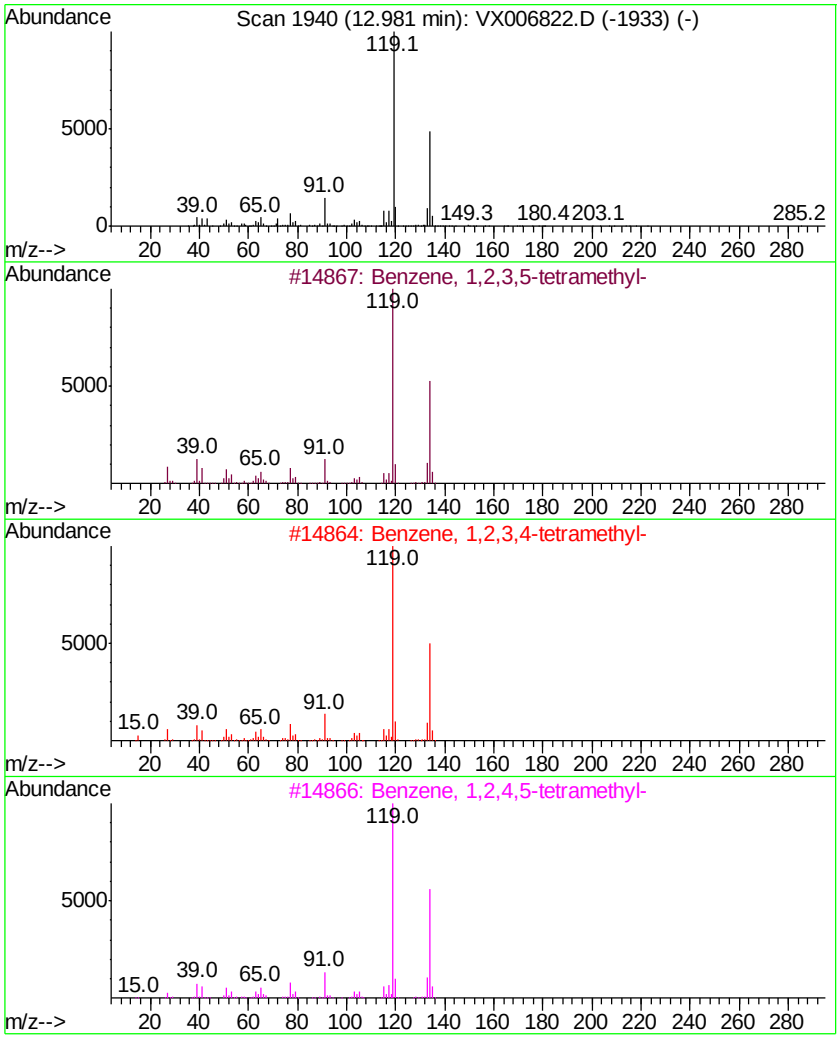
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

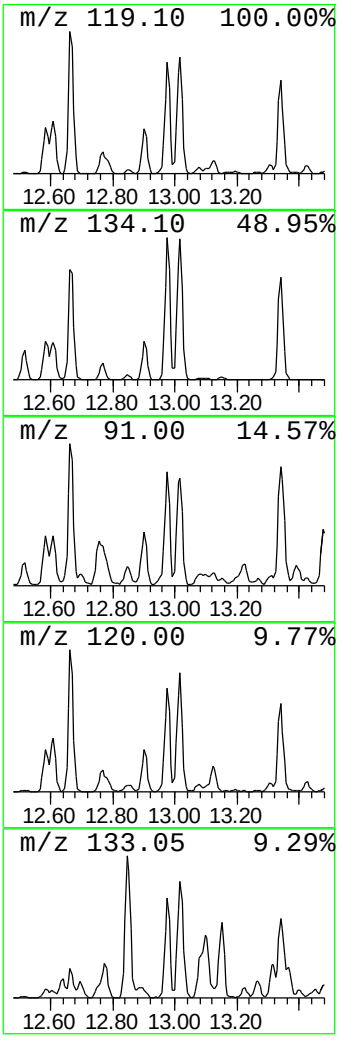
****

Peak Number 7 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	23.28 ug/l	1500710	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
Data File : VX006822.D
Acq On : 26 Dec 2018 16:56
Operator : JC/MD
Sample : J6549-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

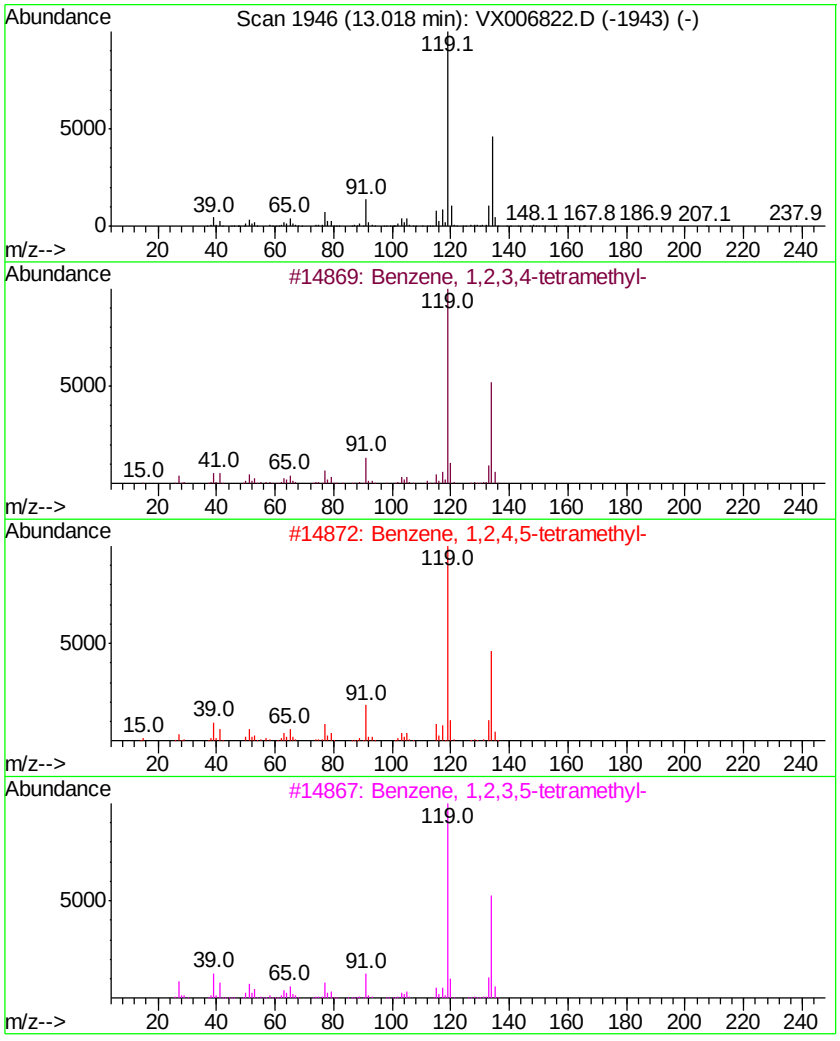
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

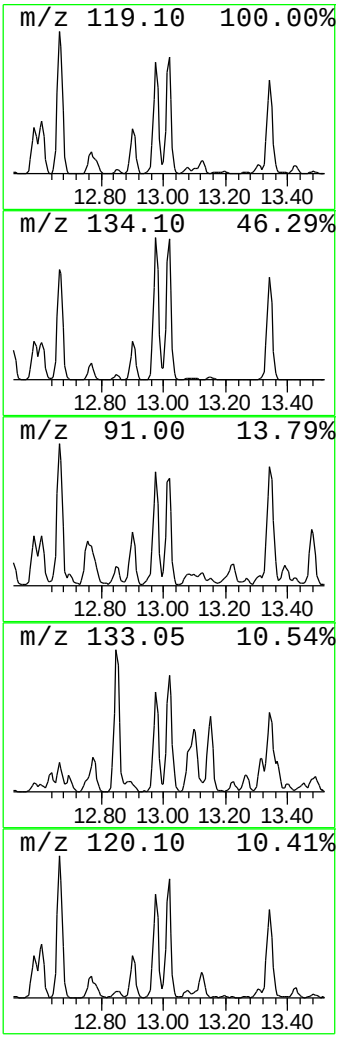
****

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	21.38 ug/l	1378500	1,4-Dichlorobenzene-d4	12.08

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	97
4	o-Cymene	134	C10H14	000527-84-4	96
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
Data File : VX006822.D
Acq On : 26 Dec 2018 16:56
Operator : JC/MD
Sample : J6549-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

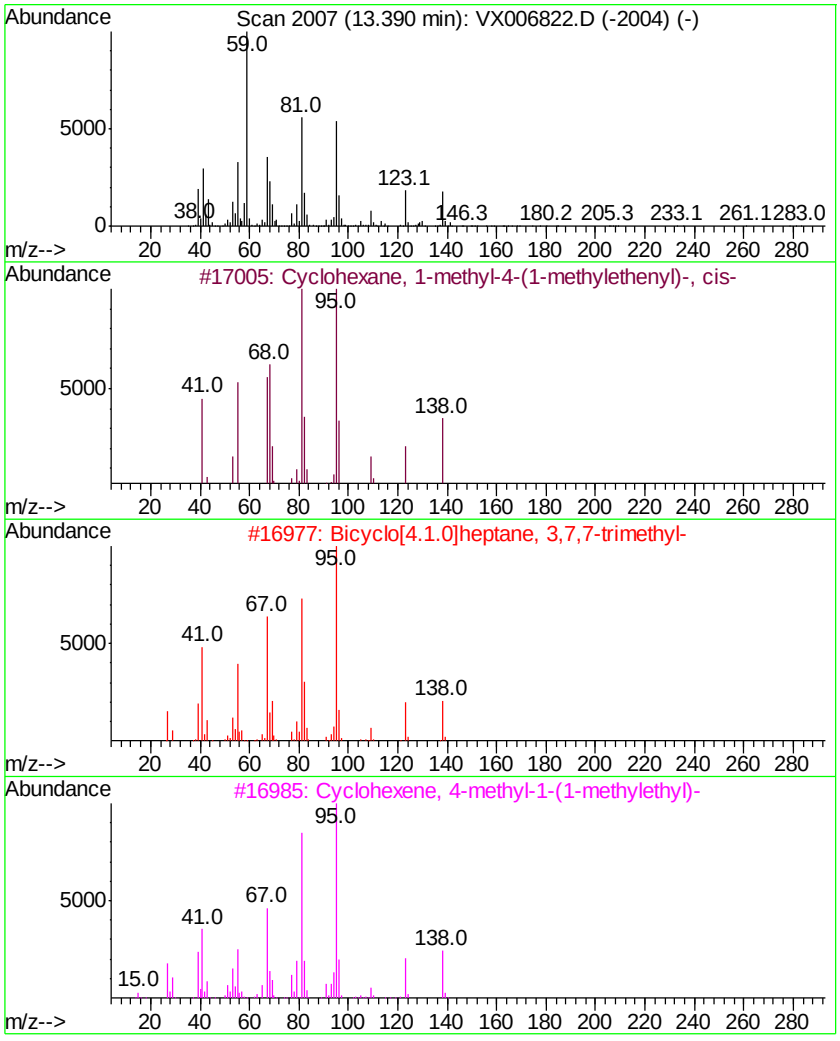
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

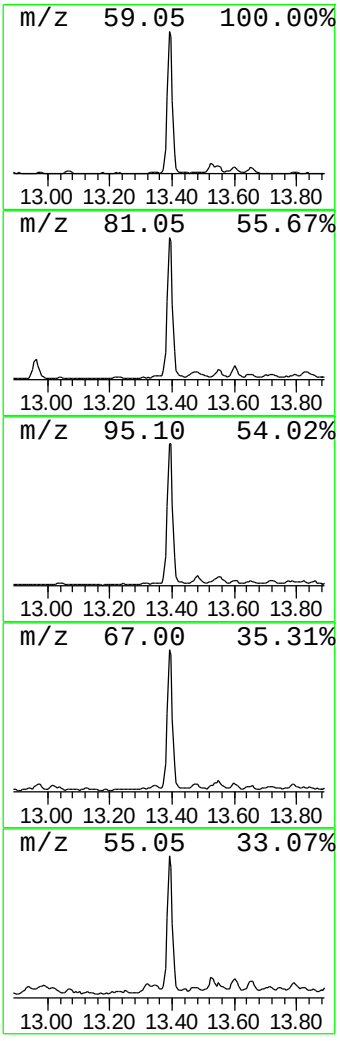
****

Peak Number 10 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	28.12 ug/l	1812810	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	55
2	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	50
3	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	46
4	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	45
5	Bicyclo[2.2.1]heptane, 1,7,7-tri...	138	C10H18	000464-15-3	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
Data File : VX006822.D
Acq On : 26 Dec 2018 16:56
Operator : JC/MD
Sample : J6549-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.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-...	11.43	47.5	ug/l	3059620	4	12.08	3223190	50.0
Benzene, 1-etheny...	12.30	18.5	ug/l	1192700	4	12.08	3223190	50.0
Benzene, 2-ethyl-...	12.66	22.5	ug/l	1449150	4	12.08	3223190	50.0
Benzene, 1,2,3,5-...	12.98	23.3	ug/l	1500710	4	12.08	3223190	50.0
Benzene, 1,2,3,4-...	13.02	21.4	ug/l	1378500	4	12.08	3223190	50.0
Cyclohexane, 1-me...	13.39	28.1	ug/l	1812810	4	12.08	3223190	50.0