LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
Data File : VX004571.D
Acq On : 15 Sep 2018 08:29
Operator : JC/MD
Sample : J4925-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0253

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\82X091118W.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	2.611	234	239	248	rVB	25389	45255	2.35%	0.185%
2	3.202	323	336	347	rVB2	20659	69564	3.61%	0.285%
3	5.507	702	714	724	rBV3	193089	550290	28.54%	2.255%
4	5.665	730	740	763	rVB	266850	780904	40.50%	3.200%
5	5.927	772	783	796	rVB6	9968	32520	1.69%	0.133%
6	6.067	796	806	813	rBV2	196358	519829	26.96%	2.130%
7	6.141	813	818	831	rVB2	122296	314844	16.33%	1.290%
8	6.860	927	936	957	rBV	373182	891079	46.21%	3.651%
9	7.463	1023	1035	1046	rBV3	44163	104690	5.43%	0.429%
10	8.664	1225	1232	1235	rBV3	20670	39306	2.04%	0.161%
11	8.719	1235	1241	1249	rVB	873835	1380441	71.59%	5.656%
12	9.042	1288	1294	1300	rVB	26159	43179	2.24%	0.177%
13	9.164	1306	1314	1320	rBV	16929	27027	1.40%	0.111%
14	9.622	1385	1389	1394	rVB	28355	39350	2.04%	0.161%
15	9.677	1394	1398	1402	rBV	16947	24336	1.26%	0.100%
16	10.115	1464	1470	1477	rBV	772754	1035323	53.69%	4.242%
17	10.189	1477	1482	1486	rVB	16942	26158	1.36%	0.107%
18	10.256	1486	1493	1497	rBV	40063	58463	3.03%	0.240%
19	10.359	1501	1510	1516	rBV	151217	229554	11.90%	0.941%
20	10.646	1547	1557	1558	rBV3	20278	34546	1.79%	0.142%
21	10.701	1563	1566	1577	rVB2	37808	55809	2.89%	0.229%
22	10.835	1577	1588	1593	rBV2	31790	58979	3.06%	0.242%
23	10.914	1593	1601	1610	rBV4	29085	58305	3.02%	0.239%
24	11.018	1613	1618	1622	rBV	44349	58070	3.01%	0.238%
25	11.140	1632	1638	1643	rBV	806190	990351	51.36%	4.058%
26	11.182	1643	1645	1649	rVB	22202	26418	1.37%	0.108%
27	11.280	1657	1661	1666	rVB2	22173	30231	1.57%	0.124%
28	11.359	1669	1674	1682	rBV	66174	88594	4.59%	0.363%
29	11.457	1682	1690	1694	rVV	224702	314320	16.30%	1.288%
30	11.505	1694	1698	1706	rVB	310286	391506	20.30%	1.604%
31	11.670	1719	1725	1733	rBV	515045	624287	32.38%	2.558%
32	11.768	1737	1741	1743	rBV	39139	46674	2.42%	0.191%
33	11.810	1743	1748	1758	rVB	1555915	1928243	100.00%	7.901%
34	11.920	1758	1766	1768	rBV	48009	73661	3.82%	0.302%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
Data File : VX004571.D
Acq On : 15 Sep 2018 08:29
Operator : JC/MD
Sample : J4925-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0253

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\82X091118W.M
Title : SW846 8260

35	11.944	1768	1770	1775	rVB	71910	84827	4.40%	0.348%
36	12.024	1776	1783	1787	rBV	108099	145919	7.57%	0.598%
37	12.079	1787	1792	1797	rVB	1173366	1459329	75.68%	5.980%
38	12.146	1797	1803	1812	rVB	535785	666217	34.55%	2.730%
39	12.231	1813	1817	1822	rVB	45952	55263	2.87%	0.226%
40	12.304	1822	1829	1831	rBV	250891	345454	17.92%	1.415%
41	12.371	1836	1840	1850	rVB2	389927	585082	30.34%	2.397%
42	12.463	1850	1855	1859	rBV	74931	98196	5.09%	0.402%
43	12.517	1859	1864	1870	rVB	253667	317282	16.45%	1.300%
44	12.591	1870	1876	1877	rBV	256954	324980	16.85%	1.332%
45	12.609	1877	1879	1885	rVV	323419	392535	20.36%	1.608%
46	12.670	1885	1889	1892	rVV	343493	393168	20.39%	1.611%
47	12.700	1892	1894	1899	rVV2	61884	100740	5.22%	0.413%
48	12.767	1899	1905	1911	rVV3	194780	436038	22.61%	1.787%
49	12.853	1915	1919	1923	rVV3	73766	127489	6.61%	0.522%
50	12.902	1923	1927	1932	rVB2	241248	325871	16.90%	1.335%
51	12.981	1932	1940	1943	rBV	312239	434261	22.52%	1.779%
52	13.017	1943	1946	1953	rVB	423329	516514	26.79%	2.116%
53	13.084	1953	1957	1962	rBV3	90027	168989	8.76%	0.692%
54	13.127	1962	1964	1966	rVV	43795	47267	2.45%	0.194%
55	13.151	1966	1968	1972	rVV	50336	58043	3.01%	0.238%
56	13.200	1972	1976	1977	rVV2	72939	91671	4.75%	0.376%
57	13.225	1977	1980	1983	rVV2	84977	117154	6.08%	0.480%
58	13.267	1983	1987	1990	rVB3	53336	68891	3.57%	0.282%
59	13.310	1990	1994	1996	rBV2	96474	128793	6.68%	0.528%
60	13.347	1996	2000	2005	rVV2	609731	880830	45.68%	3.609%
61	13.389	2005	2007	2011	rVV	51477	74662	3.87%	0.306%
62	13.426	2011	2013	2016	rVV	55481	67927	3.52%	0.278%
63	13.481	2018	2022	2029	rVB	207457	291061	15.09%	1.193%
64	13.566	2031	2036	2039	rBV3	50760	81451	4.22%	0.334%
65	13.603	2039	2042	2044	rVV	60712	78250	4.06%	0.321%
66	13.639	2044	2048	2053	rVV3	159479	318576	16.52%	1.305%
67	13.700	2055	2058	2059	rVV	69130	86974	4.51%	0.356%
68	13.725	2059	2062	2068	rVB2	114042	185852	9.64%	0.762%
69	13.834	2072	2080	2088	rVB	426365	653099	33.87%	2.676%
70	13.907	2088	2092	2097	rVB4	58235	98807	5.12%	0.405%
71	13.987	2097	2105	2109	rBV2	89161	150496	7.80%	0.617%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091418\
Data File : VX004571.D
Acq On : 15 Sep 2018 08:29
Operator : JC/MD
Sample : J4925-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0253

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\82X091118W.M
Title : SW846 8260

72	14.029	2109	2112	2116	rBV2	40559	55326	2.87%	0.227%
73	14.133	2124	2129	2132	rBV3	52877	76227	3.95%	0.312%
74	14.164	2132	2134	2137	rVB3	23503	24453	1.27%	0.100%
75	14.273	2147	2152	2160	rVB4	95852	203794	10.57%	0.835%
76	14.377	2166	2169	2173	rBV	35684	42998	2.23%	0.176%
77	14.432	2174	2178	2182	rVB3	51551	65557	3.40%	0.269%
78	14.481	2182	2186	2191	rVB	25786	34949	1.81%	0.143%
79	14.541	2191	2196	2205	rBV2	100301	160996	8.35%	0.660%
80	14.700	2214	2222	2226	rBV	516989	703557	36.49%	2.883%
81	14.730	2226	2227	2231	rVB	38124	32475	1.68%	0.133%
82	14.840	2240	2245	2254	rBV	530182	657246	34.09%	2.693%
83	15.255	2306	2313	2314	rBV3	21978	36317	1.88%	0.149%
84	15.273	2314	2316	2320	rVV	29316	35721	1.85%	0.146%
85	15.444	2340	2344	2347	rBV	34411	48883	2.54%	0.200%
86	15.480	2347	2350	2354	rVB	20237	28495	1.48%	0.117%
87	15.547	2355	2361	2375	rVV	116805	201068	10.43%	0.824%
88	15.688	2378	2384	2388	rVV	144644	240035	12.45%	0.984%
89	15.724	2388	2390	2398	rVB	96173	131221	6.81%	0.538%
90	15.810	2399	2404	2410	rVB3	13068	23375	1.21%	0.096%
91	15.919	2412	2422	2432	rVB2	36149	105544	5.47%	0.432%
92	16.072	2441	2447	2452	rBV2	13855	25345	1.31%	0.104%
93	16.175	2458	2464	2469	rVB2	12944	21815	1.13%	0.089%

Sum of corrected areas: 24405461

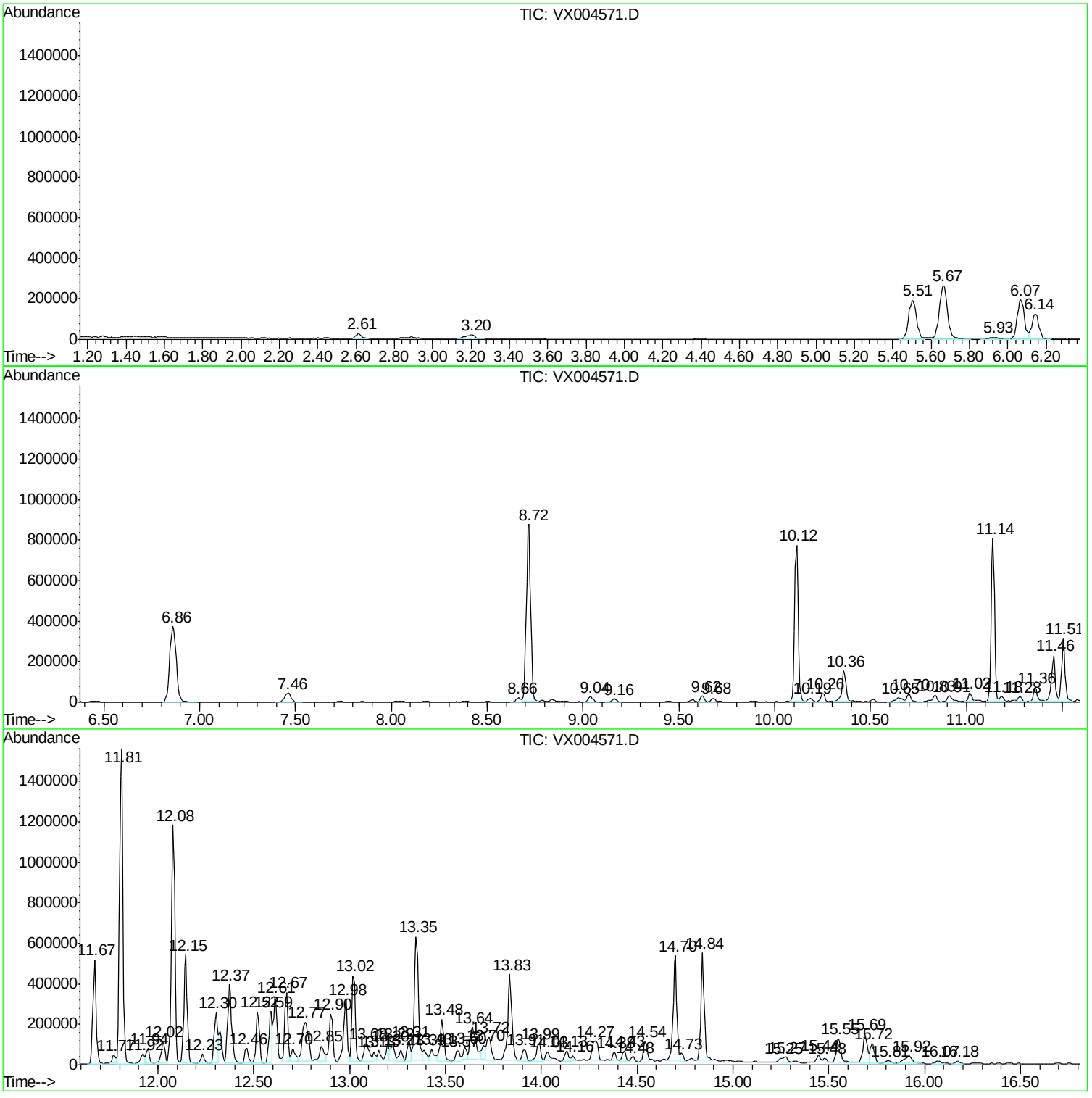
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091418\
Data File : VX004571.D
Acq On : 15 Sep 2018 08:29
Operator : JC/MD
Sample : J4925-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0253

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.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_X\DATA\VX091418\
Data File : VX004571.D
Acq On : 15 Sep 2018 08:29
Operator : JC/MD
Sample : J4925-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0253

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260

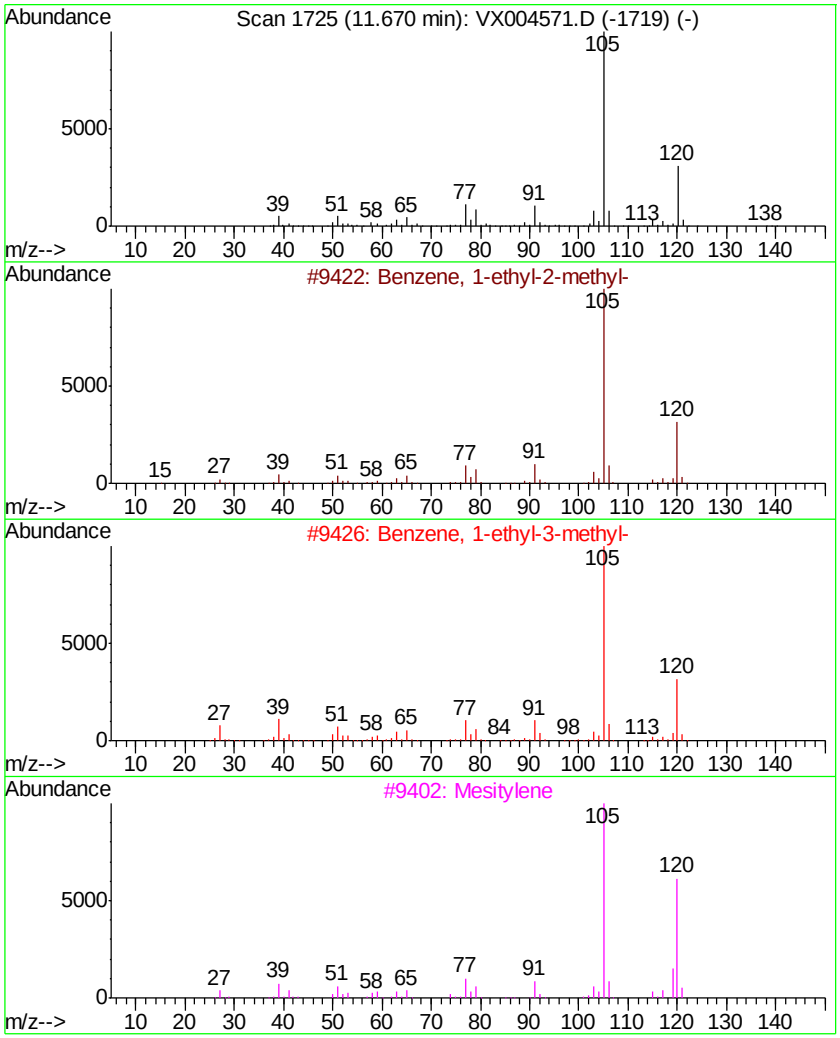
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

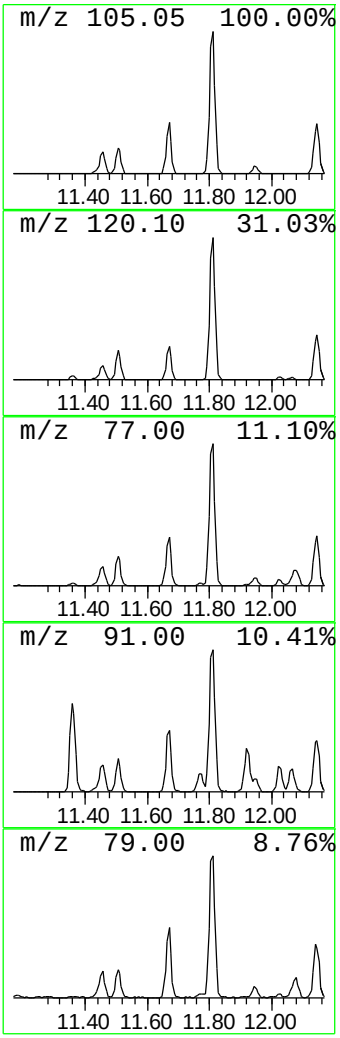
****

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	21.39 ug/l	624287	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	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091418\
Data File : VX004571.D
Acq On : 15 Sep 2018 08:29
Operator : JC/MD
Sample : J4925-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0253

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260

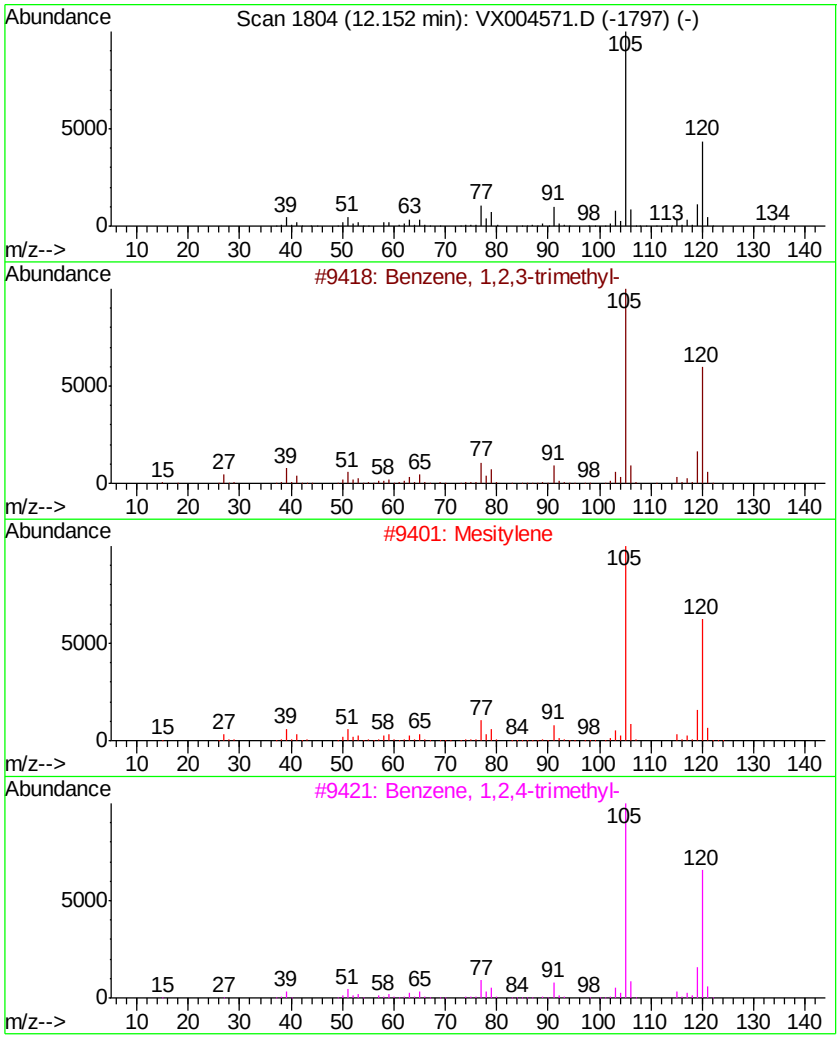
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

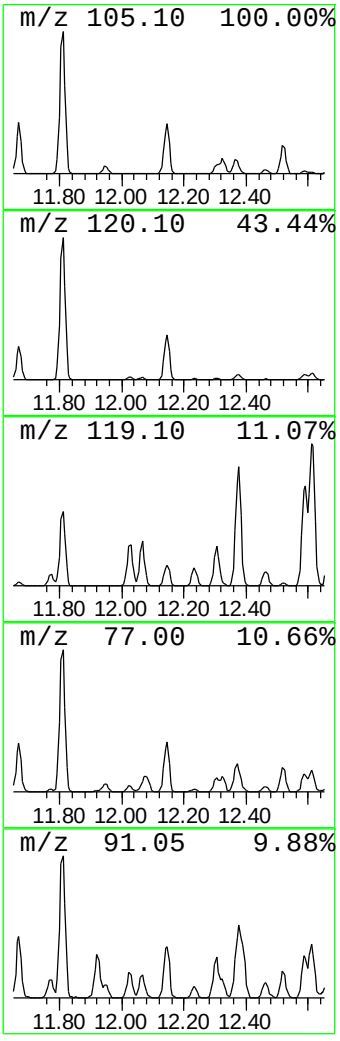
****

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	22.83 ug/l	666217	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091418\
Data File : VX004571.D
Acq On : 15 Sep 2018 08:29
Operator : JC/MD
Sample : J4925-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0253

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260

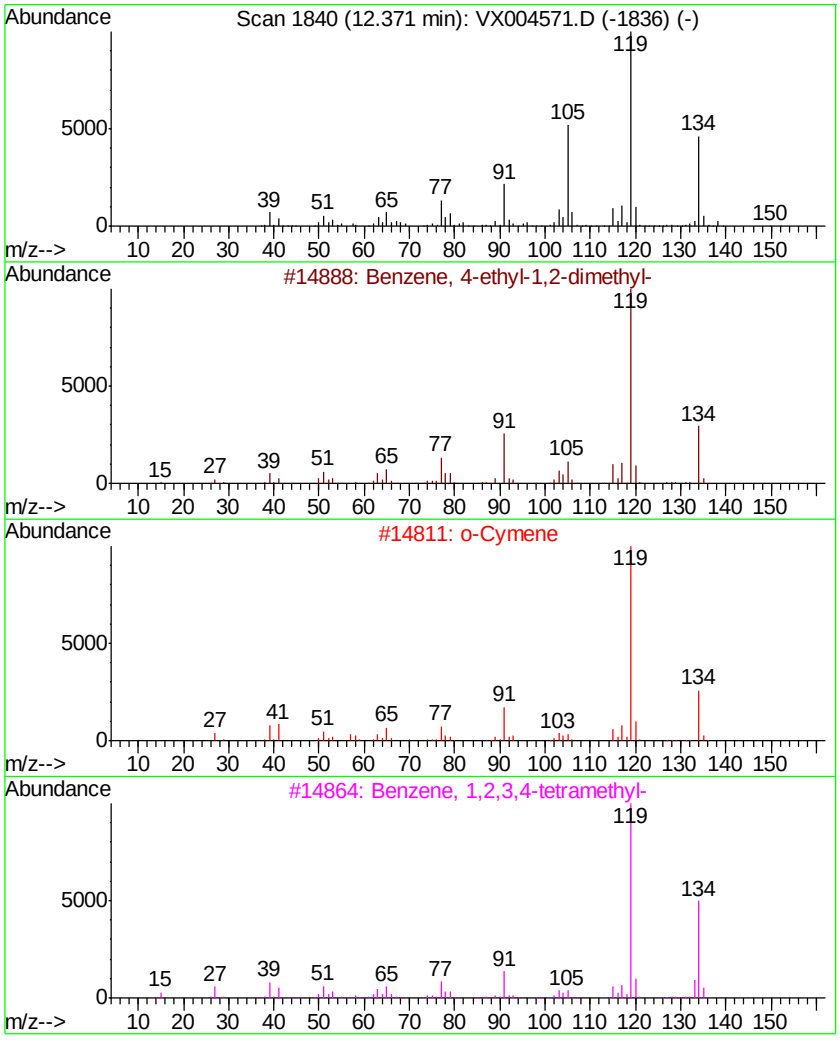
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

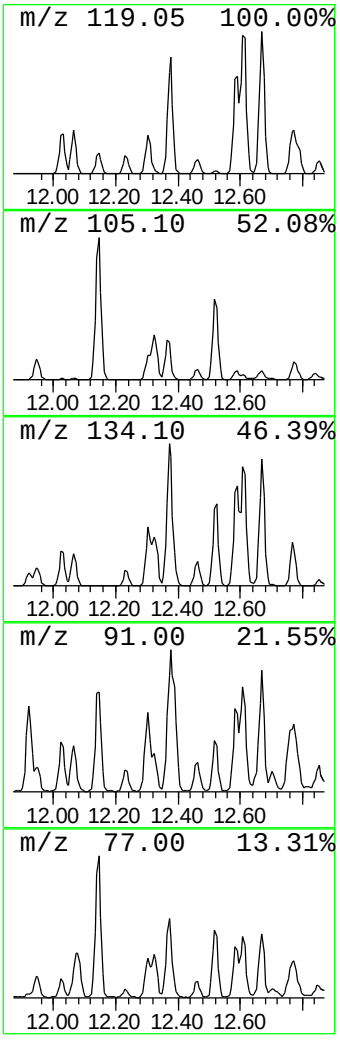
****

Peak Number 3 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	20.05 ug/l	585082	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2	o-Cymene	134	C10H14	000527-84-4	93
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091418\
Data File : VX004571.D
Acq On : 15 Sep 2018 08:29
Operator : JC/MD
Sample : J4925-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0253

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260

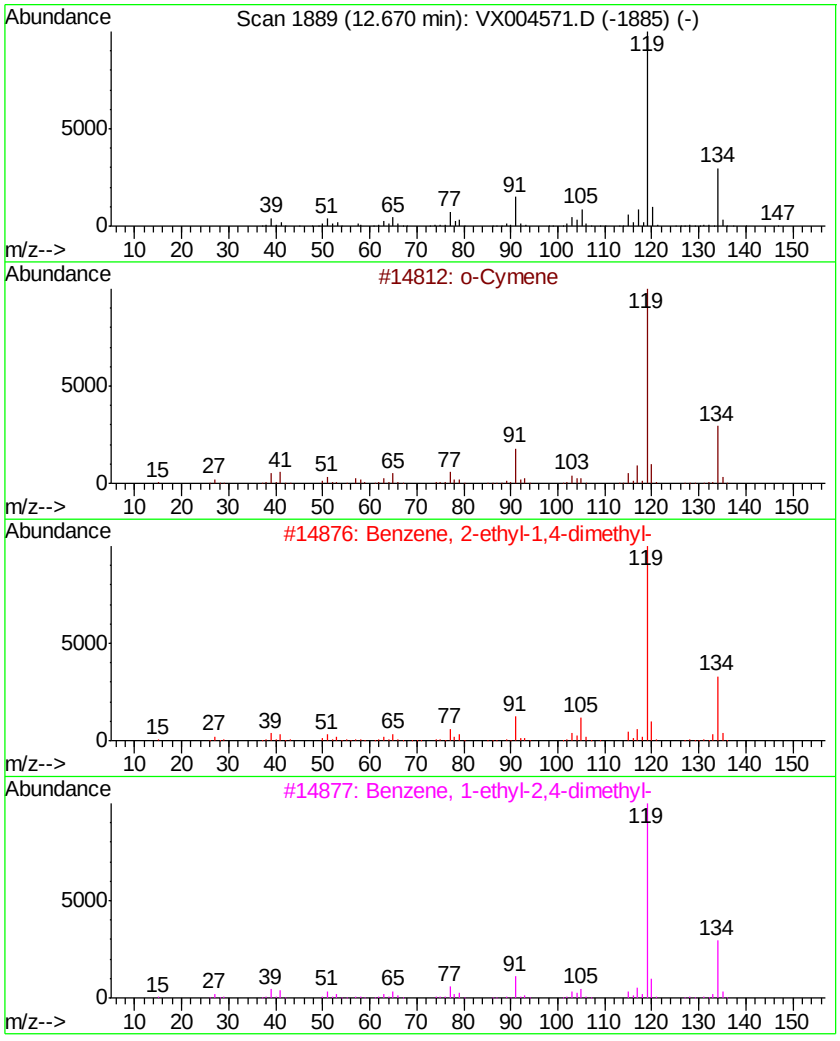
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

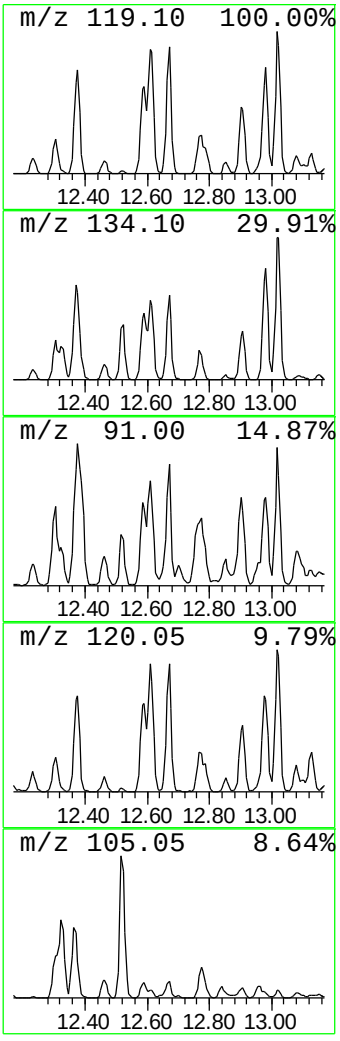
****

Peak Number 4 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	13.47 ug/l	393168	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091418\
Data File : VX004571.D
Acq On : 15 Sep 2018 08:29
Operator : JC/MD
Sample : J4925-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0253

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260

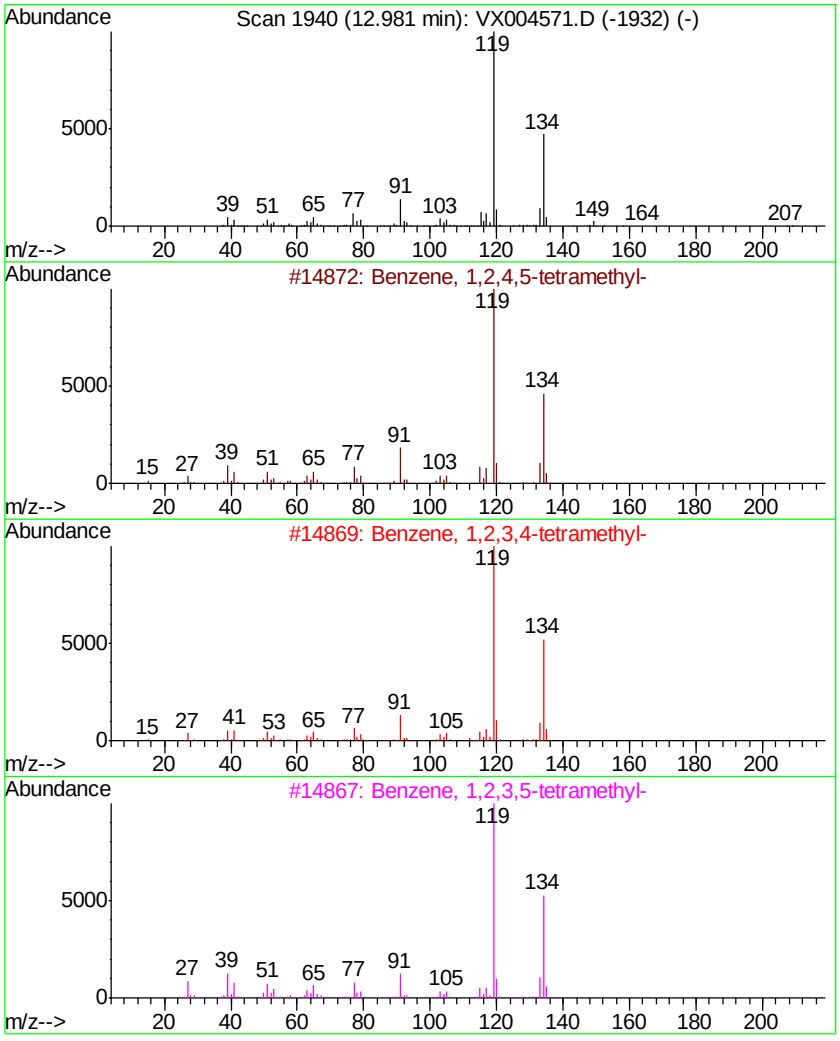
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

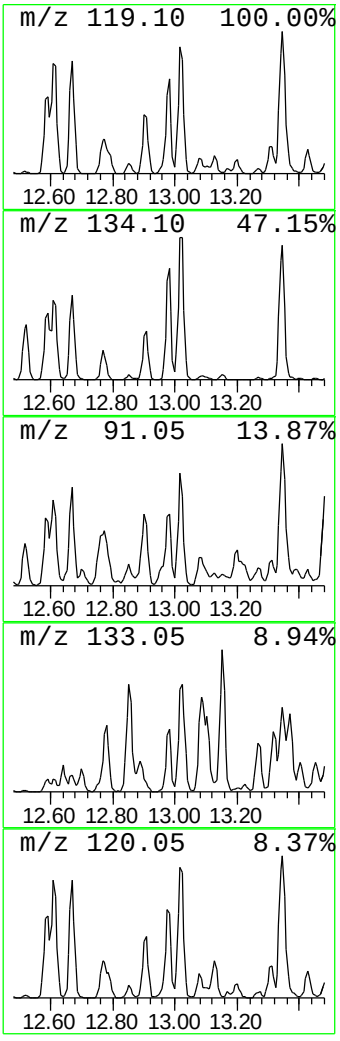
****

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	14.88 ug/l	434261	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091418\
Data File : VX004571.D
Acq On : 15 Sep 2018 08:29
Operator : JC/MD
Sample : J4925-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0253

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260

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

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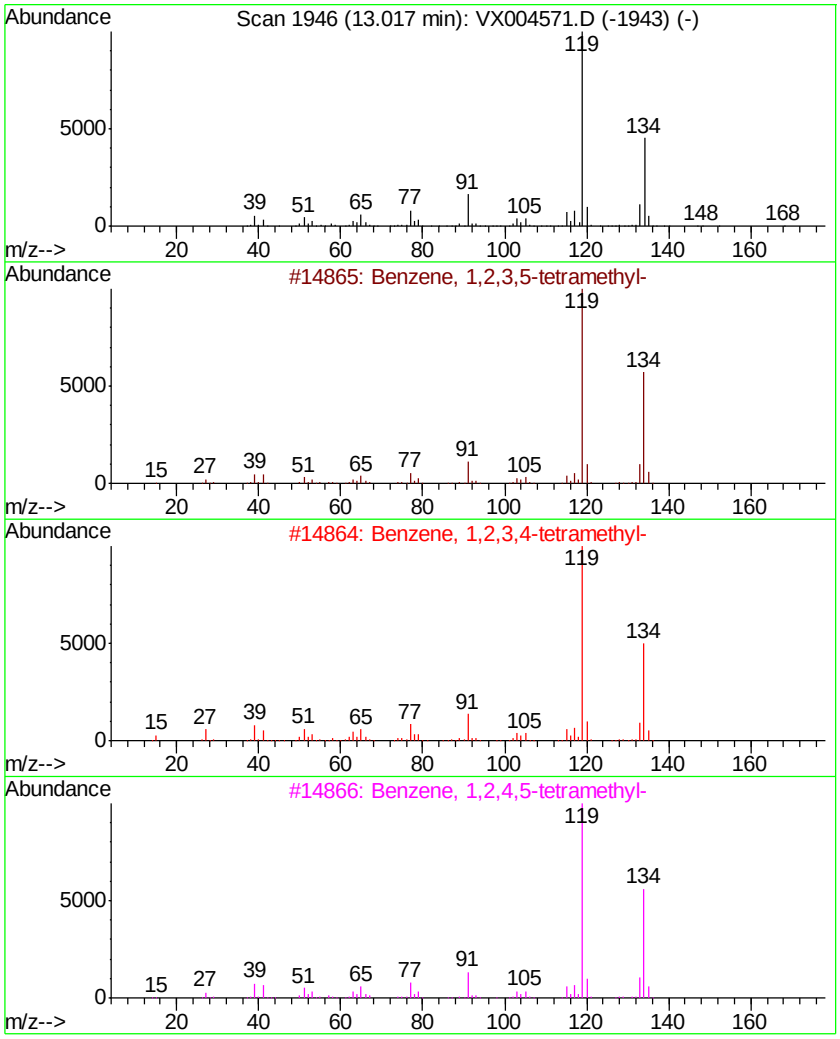
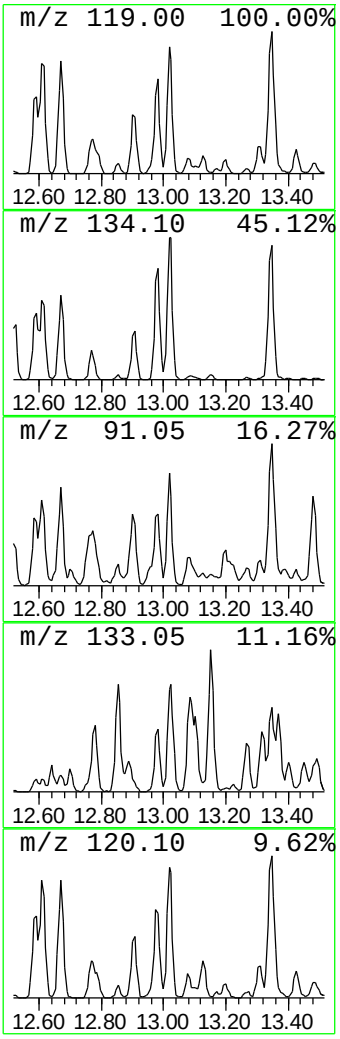
Peak Number 7 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	17.70 ug/l	516514	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	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
Data File : VX004571.D
Acq On : 15 Sep 2018 08:29
Operator : JC/MD
Sample : J4925-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0253

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260

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

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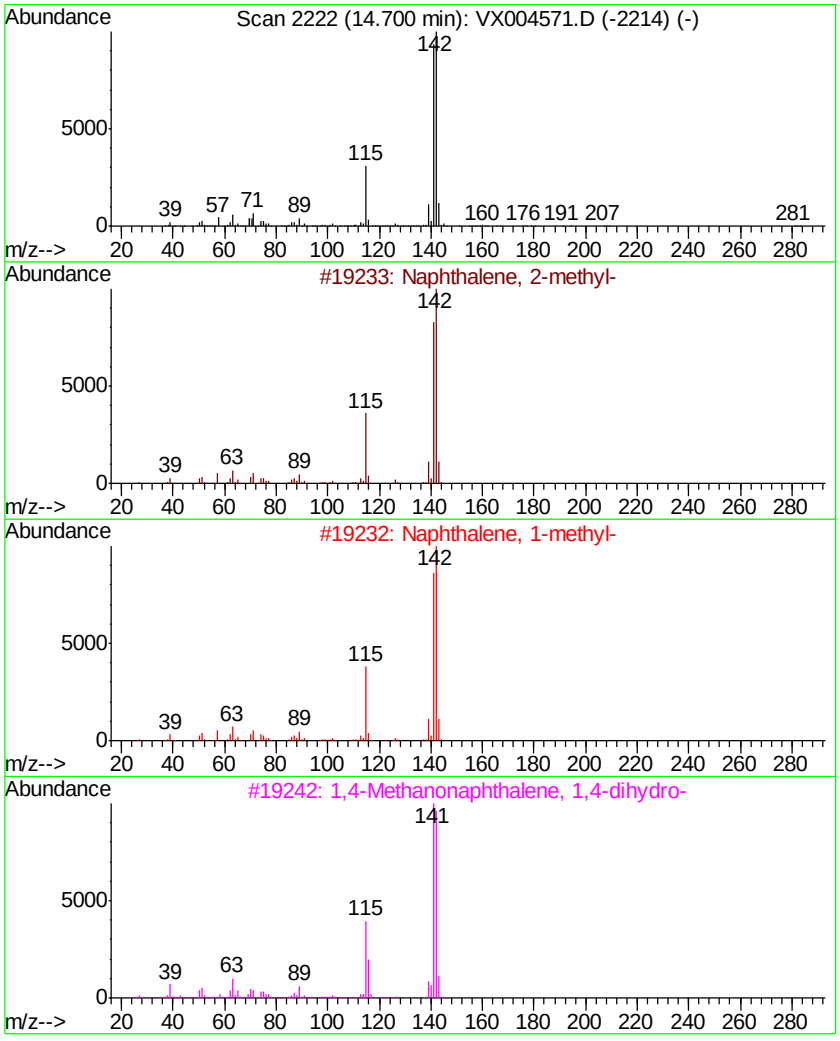
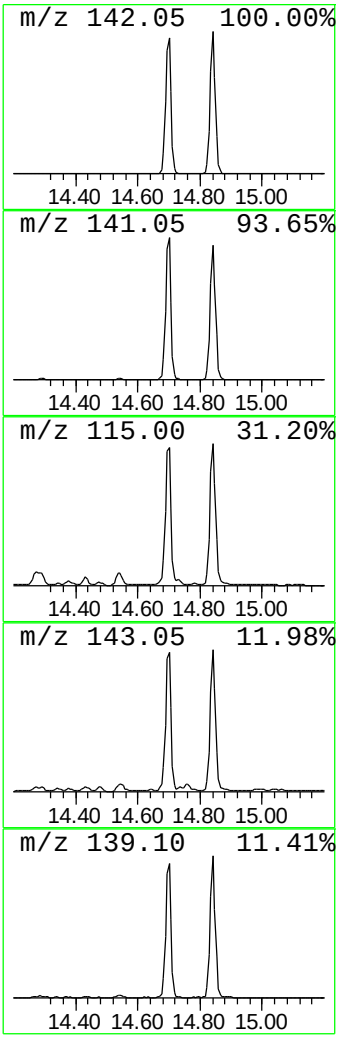
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	24.11 ug/l	703557	1,4-Dichlorobenzene-d4	12.08

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	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091418\
Data File : VX004571.D
Acq On : 15 Sep 2018 08:29
Operator : JC/MD
Sample : J4925-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0253

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.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-...	11.67	21.4	ug/l	624287	4	12.08	1459330	50.0
Benzene, 1,2,3-tr...	12.15	22.8	ug/l	666217	4	12.08	1459330	50.0
Benzene, 4-ethyl-...	12.37	20.1	ug/l	585082	4	12.08	1459330	50.0
o-Cymene	12.67	13.5	ug/l	393168	4	12.08	1459330	50.0
Benzene, 1,2,4,5-...	12.98	14.9	ug/l	434261	4	12.08	1459330	50.0
Benzene, 1,2,3,5-...	13.02	17.7	ug/l	516514	4	12.08	1459330	50.0
Naphthalene, 1-me...	14.70	24.1	ug/l	703557	4	12.08	1459330	50.0