LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
Data File : VU025172.D
Acq On : 03 Jul 2018 04:14
Operator : MD/SY
Sample : J3809-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-1-062818

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_U\METHOD\82U061318W.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	1.089	135	155	171	rBV	811460	931263	1.68%	0.396%
2	4.098	1074	1091	1109	rBV	292287	764304	1.38%	0.325%
3	4.992	1353	1369	1384	rVV4	424271	1038514	1.87%	0.441%
4	5.394	1480	1494	1510	rBV	888613	1857912	3.35%	0.790%
5	5.542	1530	1540	1556	rVB6	288707	800308	1.44%	0.340%
6	5.889	1636	1648	1659	rBV	357607	696125	1.26%	0.296%
7	6.416	1788	1812	1825	rBV5	360706	1039729	1.87%	0.442%
8	6.931	1957	1972	1988	rVB	299298	648779	1.17%	0.276%
9	7.056	1988	2011	2022	rBV2	400237	990348	1.79%	0.421%
10	7.567	2163	2170	2182	rVB	688503	1177126	2.12%	0.500%
11	7.641	2182	2193	2204	rBV	688315	1151379	2.08%	0.489%
12	9.095	2635	2645	2657	rBV	510866	825361	1.49%	0.351%
13	9.259	2682	2696	2721	rBV	15945286	25750246	46.43%	10.947%
14	9.384	2722	2735	2753	rVB	15818834	24838815	44.79%	10.559%
15	9.783	2848	2859	2869	rBV	444940	724339	1.31%	0.308%
16	10.169	2968	2979	3001	rBV	1126536	1771013	3.19%	0.753%
17	10.310	3013	3023	3034	rBV	574362	919736	1.66%	0.391%
18	10.590	3100	3110	3128	rVB	2831799	4339647	7.82%	1.845%
19	10.709	3129	3147	3160	rBV	6160756	10338213	18.64%	4.395%
20	10.976	3215	3230	3252	rBV	10057388	15555945	28.05%	6.613%
21	11.162	3271	3288	3314	rVB2	35010393	55459383	100.00%	23.576%
22	11.487	3379	3389	3400	rVB2	869802	1358994	2.45%	0.578%
23	11.577	3405	3417	3430	rBV	5754805	8755161	15.79%	3.722%
24	11.773	3463	3478	3497	rBV2	7631671	13884603	25.04%	5.902%
25	11.866	3497	3507	3526	rVB3	1826678	3333511	6.01%	1.417%
26	11.985	3532	3544	3553	rBV	485530	752194	1.36%	0.320%
27	12.059	3553	3567	3582	rVB	1323702	2087064	3.76%	0.887%
28	12.149	3583	3595	3600	rBV	2983483	4531871	8.17%	1.927%
29	12.181	3601	3605	3616	rVB	2422836	3126800	5.64%	1.329%
30	12.255	3616	3628	3636	rBV	4669487	7015163	12.65%	2.982%
31	12.358	3649	3660	3683	rBV2	2070060	4169113	7.52%	1.772%
32	12.554	3710	3721	3733	rVB2	803211	1316976	2.37%	0.560%
33	12.654	3733	3752	3760	rBV	2786027	4438644	8.00%	1.887%
34	12.705	3760	3768	3784	rVB	3619287	5447429	9.82%	2.316%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
Data File : VU025172.D
Acq On : 03 Jul 2018 04:14
Operator : MD/SY
Sample : J3809-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-1-062818

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_U\METHOD\82U061318W.M
Title : SW846 8260

35	12.789	3784	3794	3802	rBV2	504021	780260	1.41%	0.332%
36	12.966	3840	3849	3863	rVB	2387646	3626536	6.54%	1.542%
37	13.091	3877	3888	3889	rBV2	447881	573759	1.03%	0.244%
38	13.127	3890	3899	3914	rVB3	4454763	7271507	13.11%	3.091%
39	13.294	3942	3951	3974	rVB3	416619	796619	1.44%	0.339%
40	13.458	3994	4002	4010	rBV	486050	732112	1.32%	0.311%
41	13.512	4010	4019	4026	rBV3	902104	1450793	2.62%	0.617%
42	13.744	4074	4091	4101	rBV	2424876	3795216	6.84%	1.613%
43	13.863	4119	4128	4144	rVB	339039	632115	1.14%	0.269%
44	13.956	4147	4157	4167	rBV3	288795	557253	1.00%	0.237%
45	14.156	4208	4219	4242	rBV	377085	675588	1.22%	0.287%
46	14.339	4265	4276	4288	rBV3	351575	718738	1.30%	0.306%
47	15.065	4491	4502	4515	rVB	1129040	1790536	3.23%	0.761%

Sum of corrected areas: 235237040

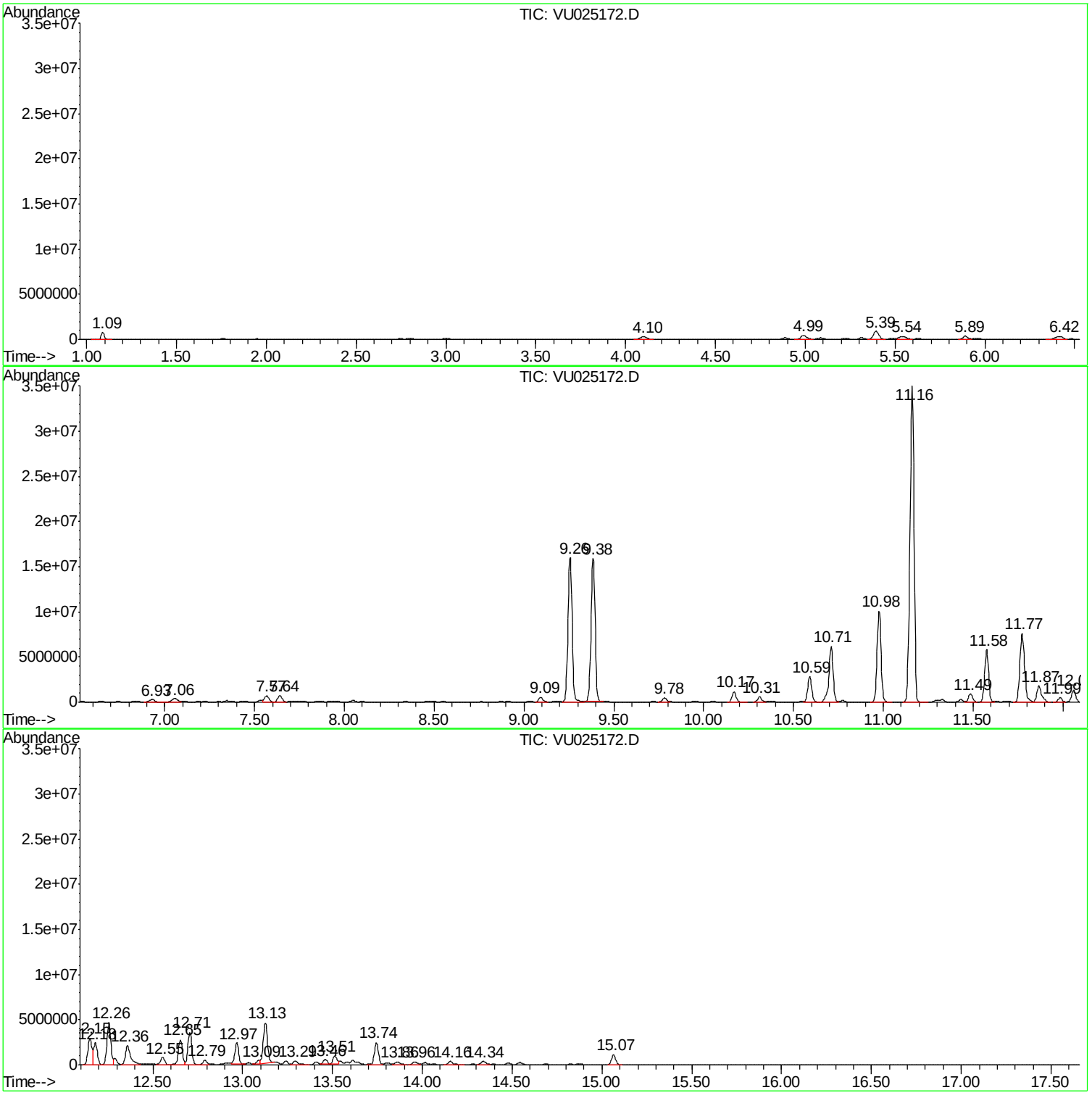
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070218\
Data File : VU025172.D
Acq On : 03 Jul 2018 04:14
Operator : MD/SY
Sample : J3809-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-1-062818

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.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_U\DATA\VU070218\
Data File : VU025172.D
Acq On : 03 Jul 2018 04:14
Operator : MD/SY
Sample : J3809-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-1-062818

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

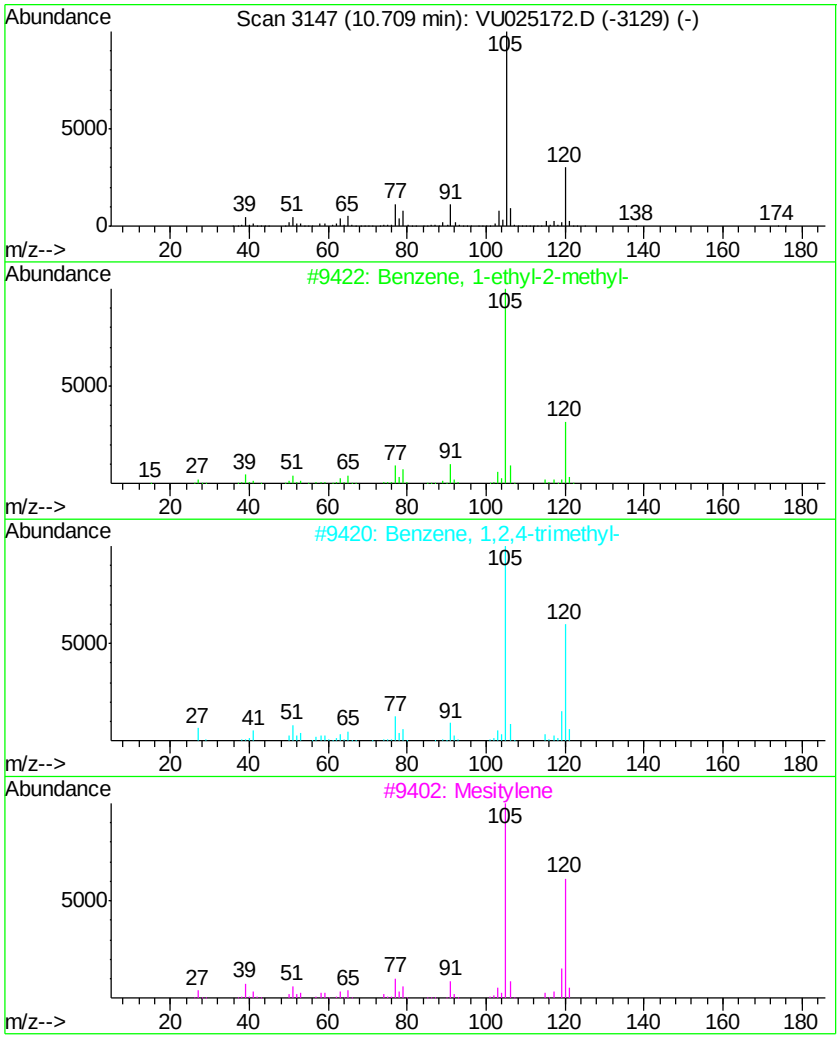
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

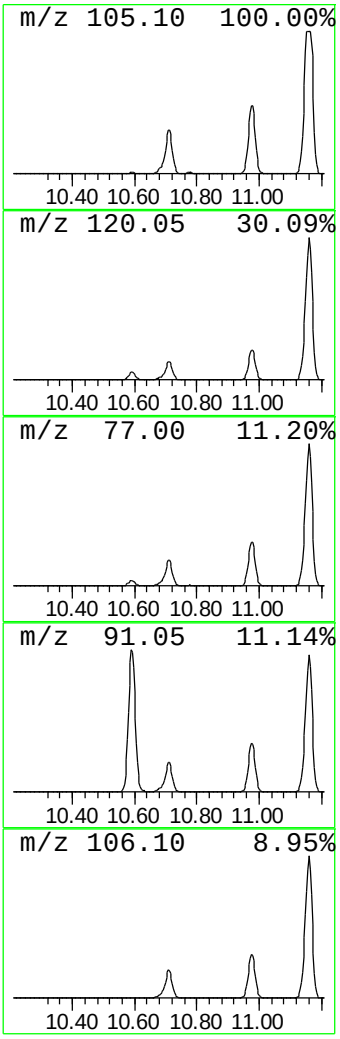
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	380.36 ug/l	10338200	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	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-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070218\
Data File : VU025172.D
Acq On : 03 Jul 2018 04:14
Operator : MD/SY
Sample : J3809-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-1-062818

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

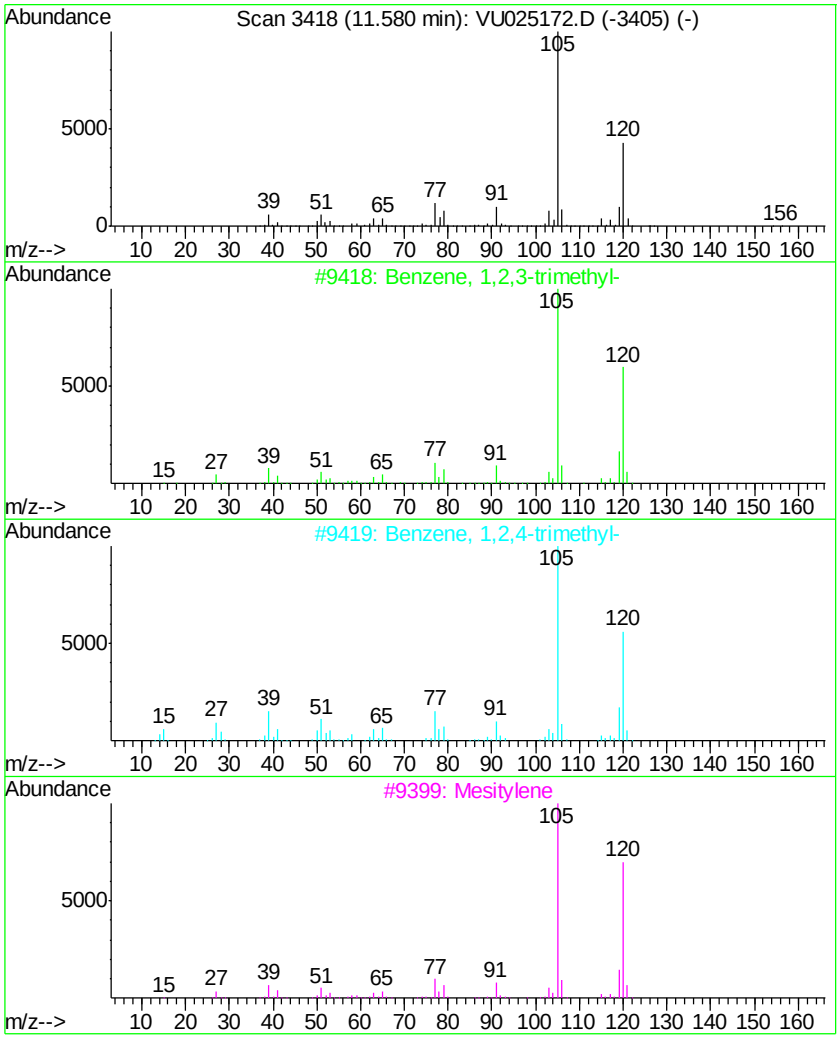
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

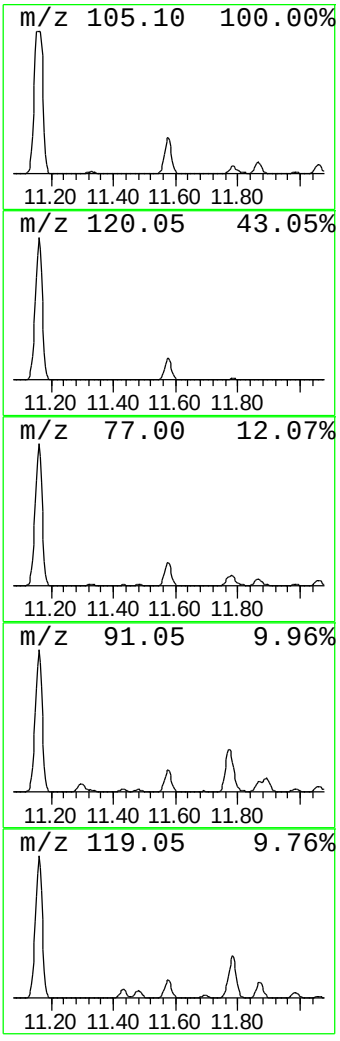
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	322.12 ug/l	8755160	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070218\
Data File : VU025172.D
Acq On : 03 Jul 2018 04:14
Operator : MD/SY
Sample : J3809-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-1-062818

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

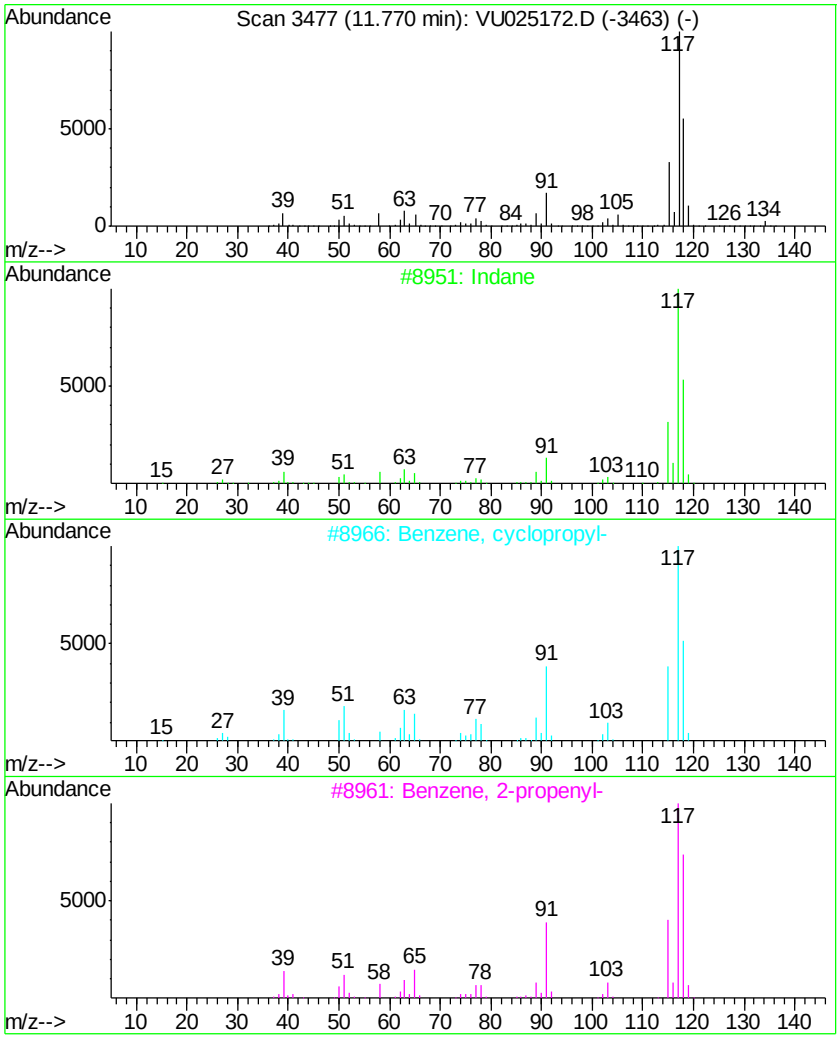
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

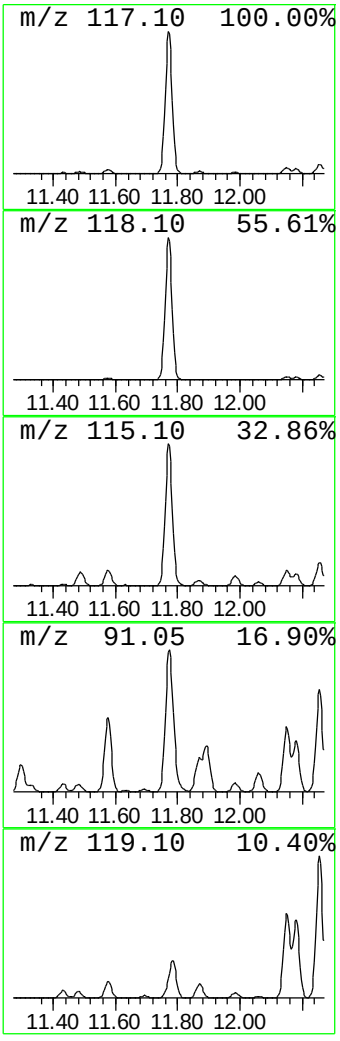
****

Peak Number 4 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	510.84 ug/l	13884600	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	68
4	Deltacyclene	118	C9H10	007785-10-6	58
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070218\
Data File : VU025172.D
Acq On : 03 Jul 2018 04:14
Operator : MD/SY
Sample : J3809-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-1-062818

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

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

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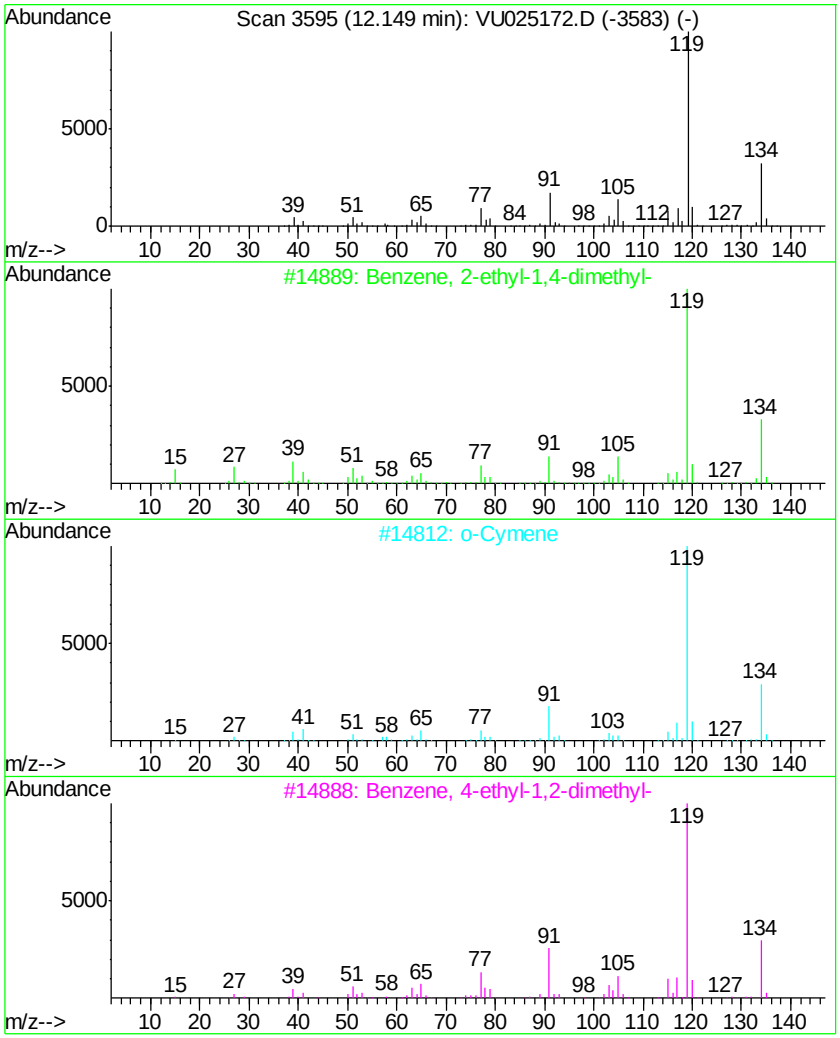
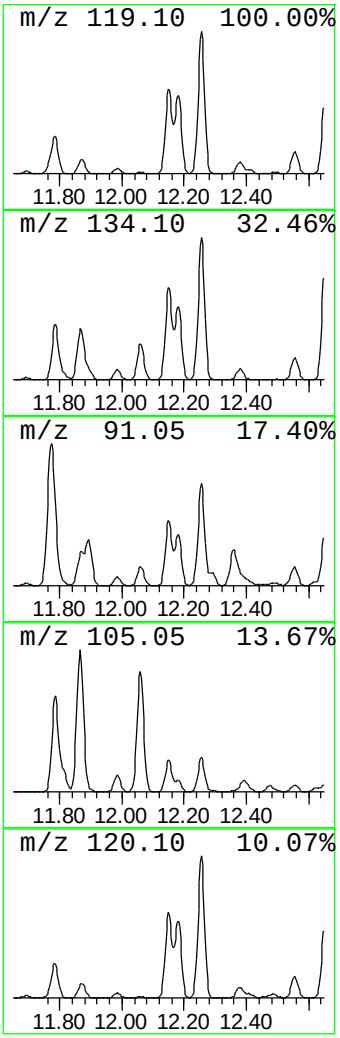
Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	166.74 ug/l	4531870	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
Data File : VU025172.D
Acq On : 03 Jul 2018 04:14
Operator : MD/SY
Sample : J3809-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-1-062818

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

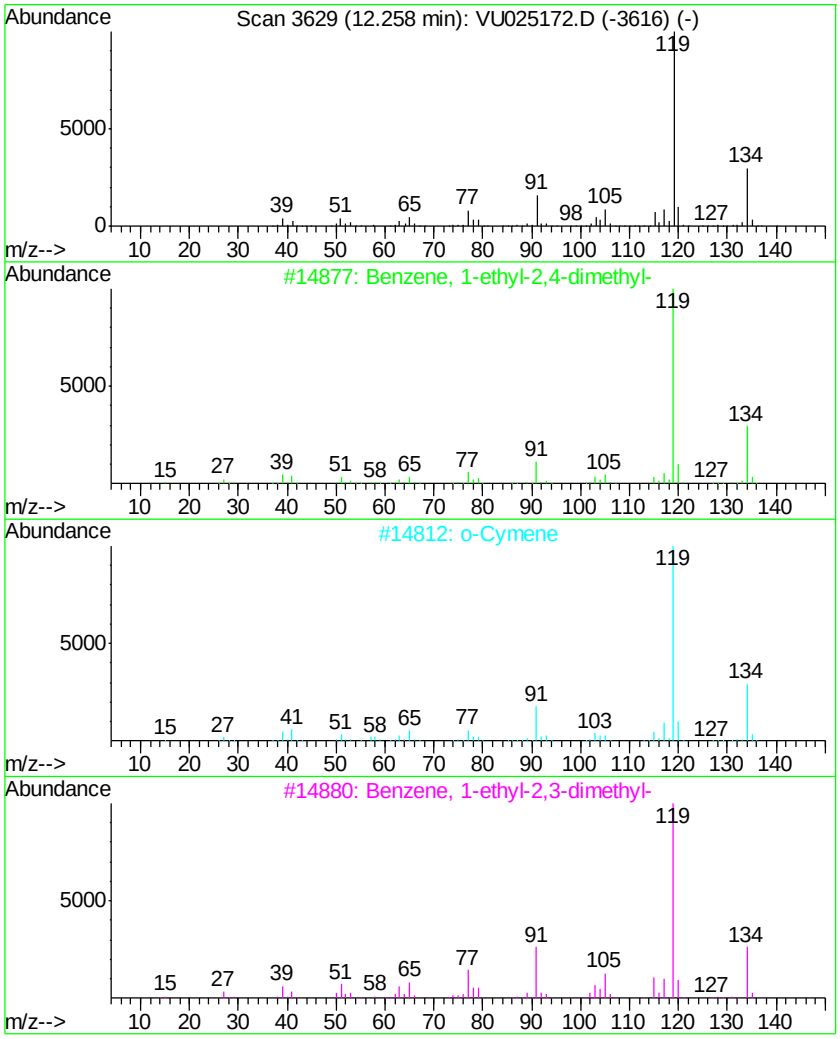
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

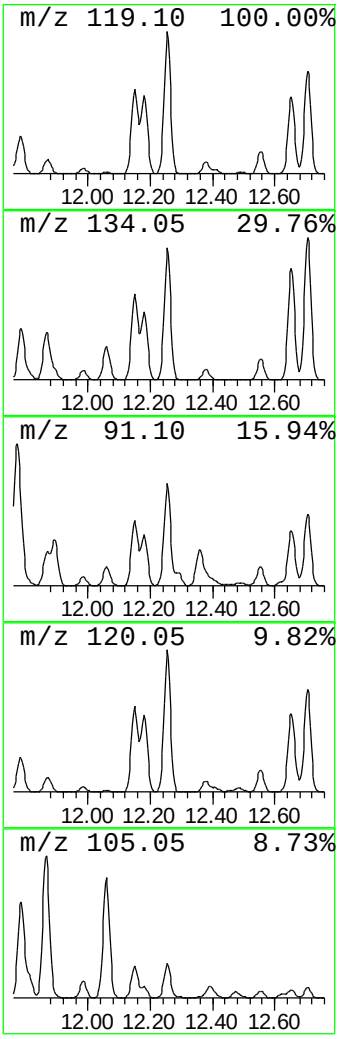
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	258.10 ug/l	7015160	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
Data File : VU025172.D
Acq On : 03 Jul 2018 04:14
Operator : MD/SY
Sample : J3809-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-1-062818

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

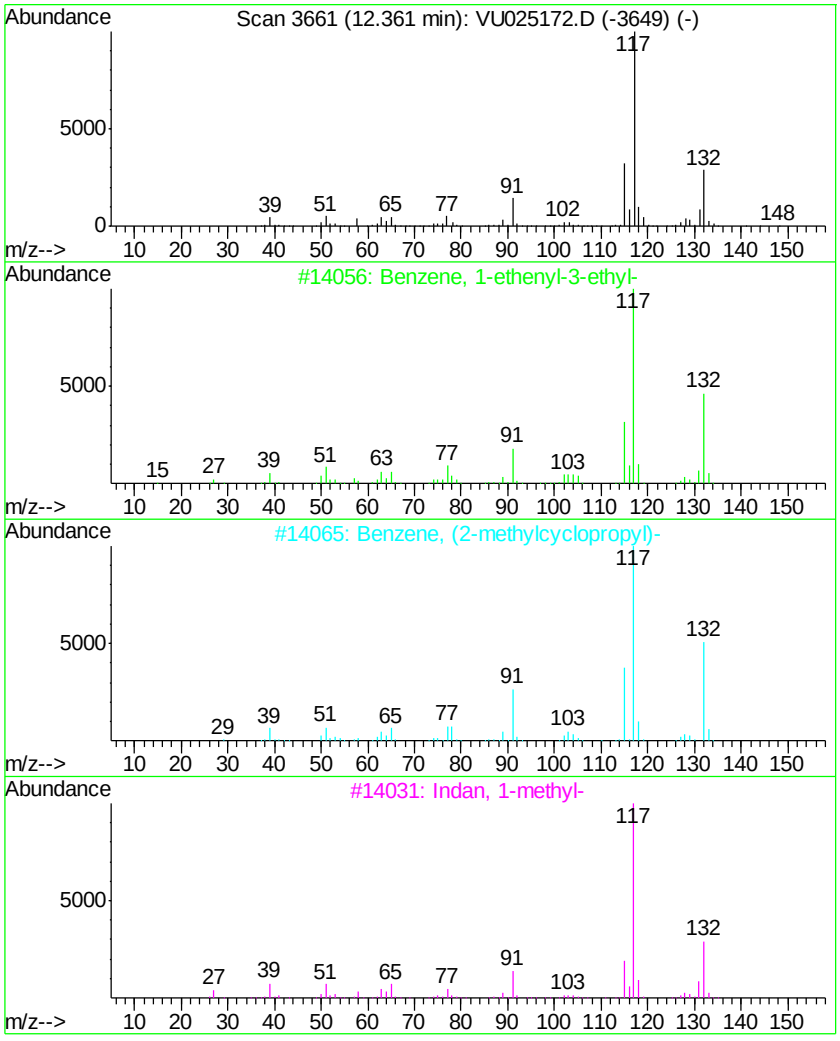
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

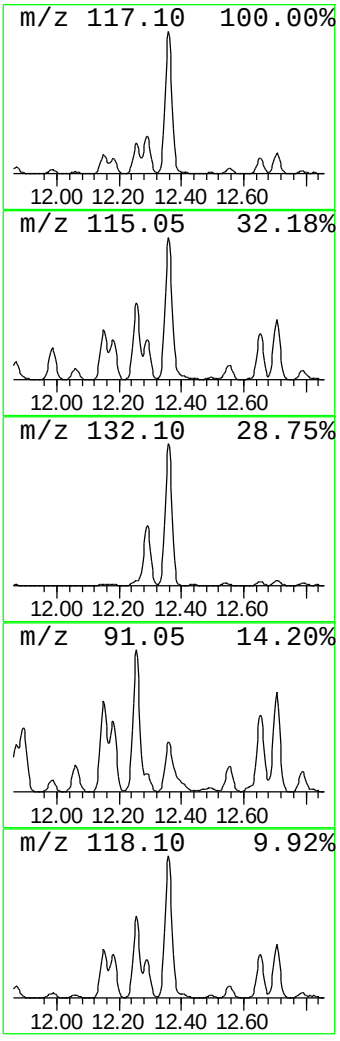
****

Peak Number 7 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	153.39 ug/l	4169110	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	90
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90





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Data File : VU025172.D
Acq On : 03 Jul 2018 04:14
Operator : MD/SY
Sample : J3809-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-1-062818

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

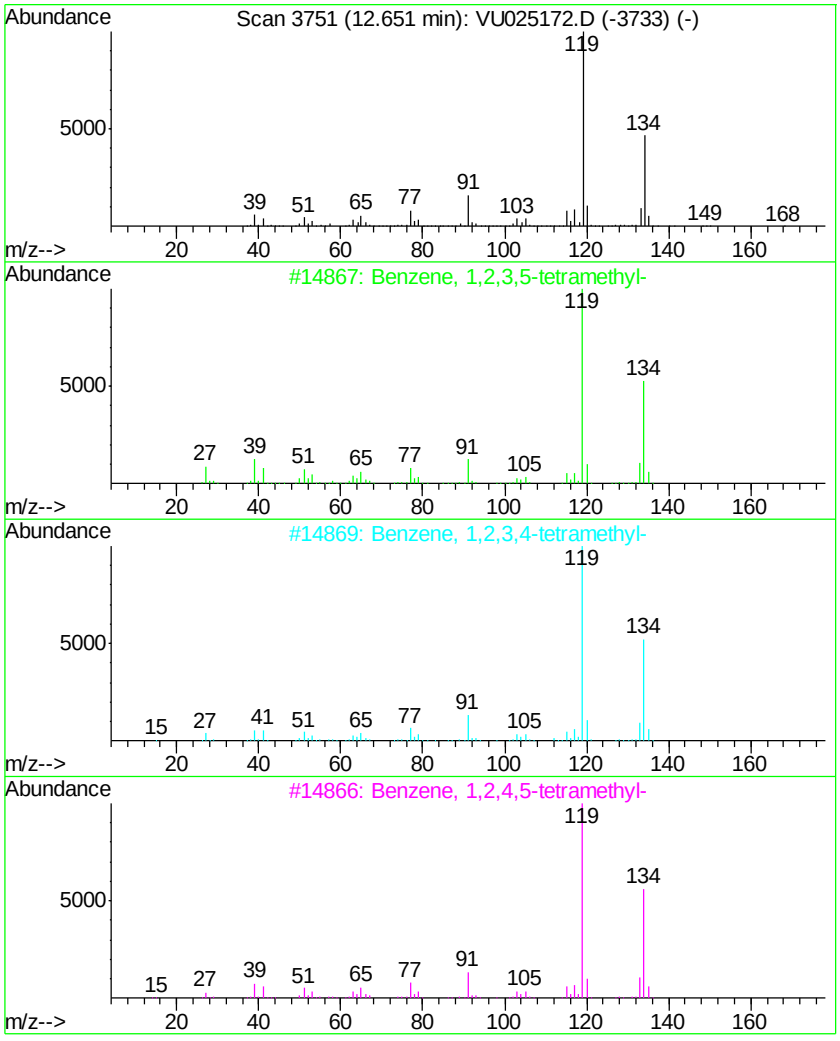
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

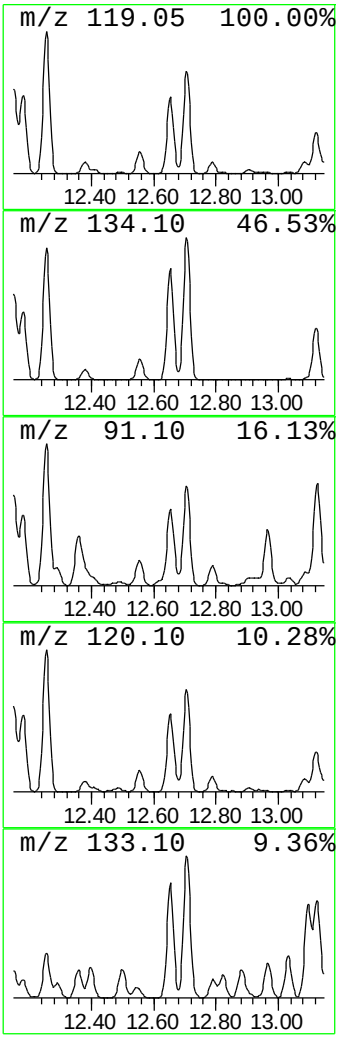
****

Peak Number 8 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	163.31 ug/l	4438640	1,4-Dichlorobenzene-d4	11.49

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	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
Data File : VU025172.D
Acq On : 03 Jul 2018 04:14
Operator : MD/SY
Sample : J3809-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-1-062818

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

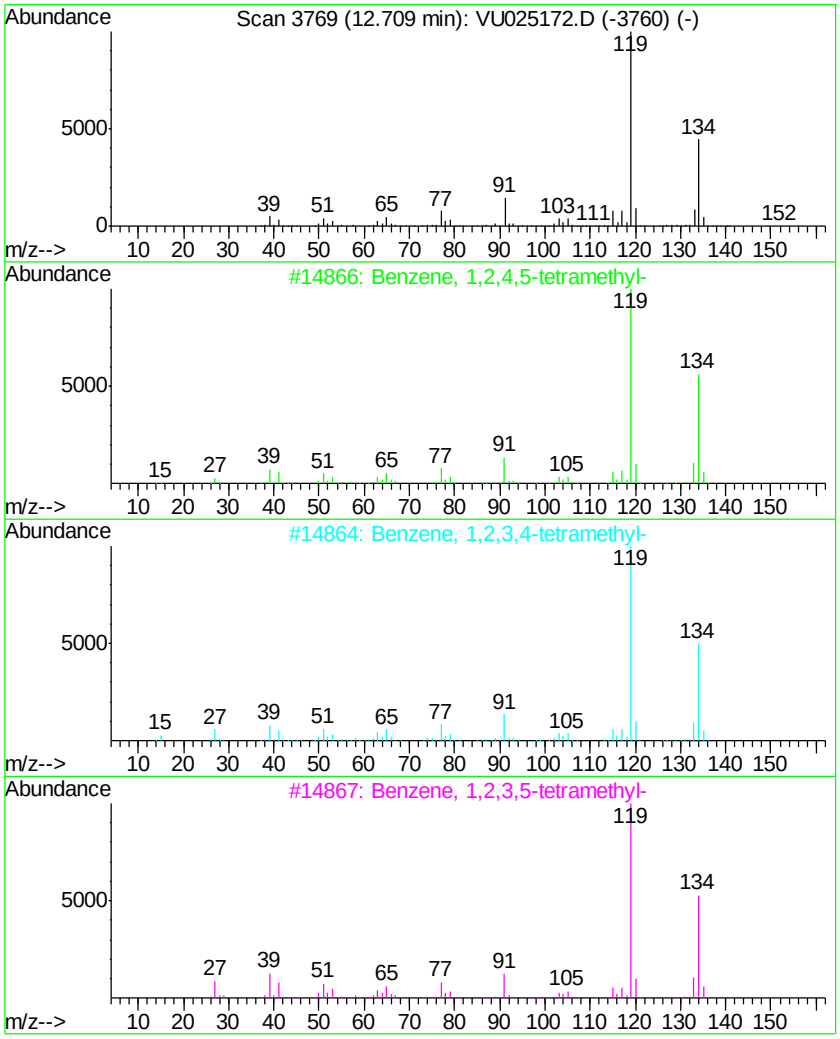
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

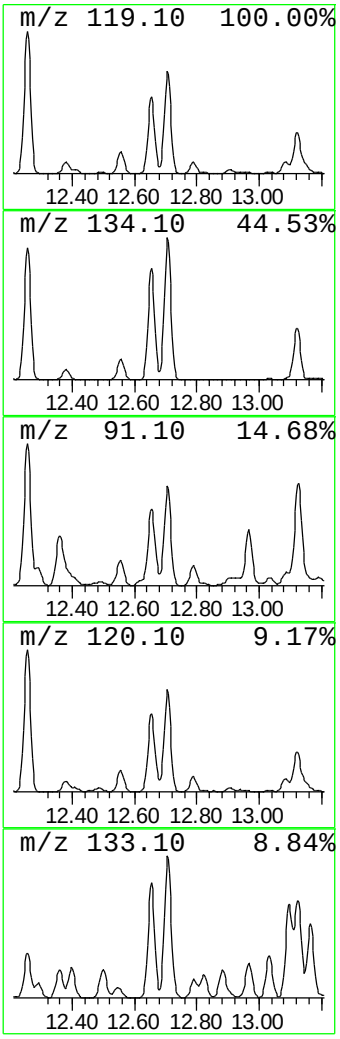
****

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	200.42 ug/l	5447430	1,4-Dichlorobenzene-d4	11.49

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	97
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070218\
Data File : VU025172.D
Acq On : 03 Jul 2018 04:14
Operator : MD/SY
Sample : J3809-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-1-062818

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

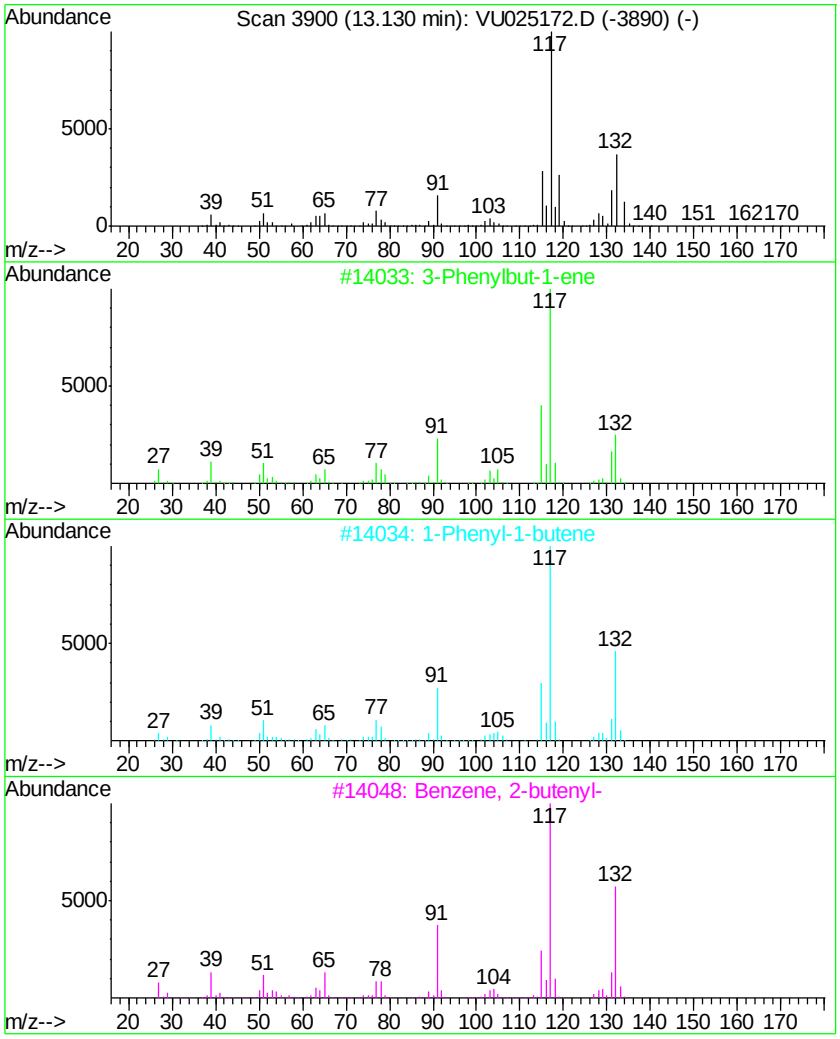
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

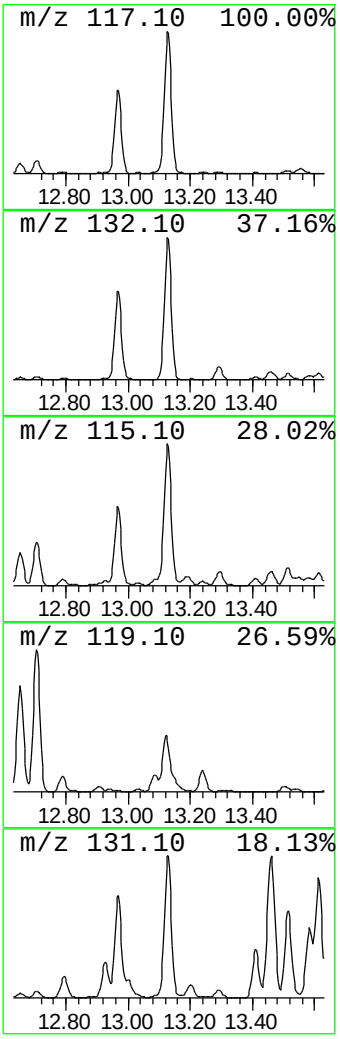
****

Peak Number 10 3-Phenylbut-1-ene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	267.53 ug/l	7271510	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	81
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070218\
Data File : VU025172.D
Acq On : 03 Jul 2018 04:14
Operator : MD/SY
Sample : J3809-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-1-062818

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.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-...	10.71	380.4	ug/l	10338200	4	11.49	1358990	50.0
Benzene, 1,2,3-tr...	11.58	322.1	ug/l	8755160	4	11.49	1358990	50.0
Indane	11.77	510.8	ug/l	13884600	4	11.49	1358990	50.0
Benzene, 2-ethyl-...	12.15	166.7	ug/l	4531870	4	11.49	1358990	50.0
Benzene, 1-ethyl-...	12.26	258.1	ug/l	7015160	4	11.49	1358990	50.0
Benzene, 1-etheny...	12.36	153.4	ug/l	4169110	4	11.49	1358990	50.0
Benzene, 1,2,3,5-...	12.65	163.3	ug/l	4438640	4	11.49	1358990	50.0
Benzene, 1,2,4,5-...	12.71	200.4	ug/l	5447430	4	11.49	1358990	50.0
3-Phenylbut-1-ene	13.13	267.5	ug/l	7271510	4	11.49	1358990	50.0