LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
Data File : VU025922.D
Acq On : 07 Aug 2018 06:11
Operator : MD/SY
Sample : J4344-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0530

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\82U072718W.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	1.088	141	155	170	rBV	634357	708446	1.87%	0.343%
2	1.760	353	364	383	rBV	936222	1211296	3.19%	0.587%
3	1.950	413	423	446	rVB	1685774	2250471	5.92%	1.090%
4	2.307	520	534	552	rVB	269480	504899	1.33%	0.245%
5	2.712	624	660	662	rBV2	444319	738460	1.94%	0.358%
6	2.747	663	671	678	rVV	1354450	2658533	7.00%	1.288%
7	2.796	678	686	716	rVB	1792659	3456446	9.10%	1.674%
8	3.001	732	750	778	rBV	1307686	2769485	7.29%	1.341%
9	3.307	828	845	870	rBV	1052052	2227748	5.86%	1.079%
10	4.101	1072	1092	1116	rBV	3012556	7997979	21.06%	3.874%
11	4.889	1319	1337	1352	rBV	203820	466401	1.23%	0.226%
12	5.001	1352	1372	1388	rVV3	2832019	6973067	18.36%	3.377%
13	5.085	1388	1398	1421	rVB3	234075	578809	1.52%	0.280%
14	5.226	1424	1442	1461	rBV4	343885	1075508	2.83%	0.521%
15	5.313	1462	1469	1485	rVB	199566	402013	1.06%	0.195%
16	5.487	1507	1523	1534	rBV2	344670	797686	2.10%	0.386%
17	5.558	1534	1545	1556	rVV2	309384	729790	1.92%	0.353%
18	5.628	1556	1567	1596	rVB	432284	957157	2.52%	0.464%
19	5.892	1635	1649	1662	rBV	394971	766225	2.02%	0.371%
20	6.419	1790	1813	1840	rBV	2170322	4772665	12.56%	2.312%
21	6.648	1871	1884	1898	rVB	279366	530540	1.40%	0.257%
22	7.570	2162	2171	2183	rVB	800829	1421305	3.74%	0.688%
23	7.921	2268	2280	2298	rVB	212873	389690	1.03%	0.189%
24	9.091	2633	2644	2662	rBV	593756	973770	2.56%	0.472%
25	9.255	2682	2695	2720	rBV	14089271	22407976	58.99%	10.853%
26	9.384	2720	2735	2764	rVB	22929407	37985694	100.00%	18.398%
27	9.783	2846	2859	2889	rVB	7390961	11679989	30.75%	5.657%
28	10.168	2967	2979	3004	rVB	1107932	1739433	4.58%	0.842%
29	10.310	3011	3023	3038	rBV	650023	1055043	2.78%	0.511%
30	10.590	3098	3110	3124	rBV	1881966	2857248	7.52%	1.384%
31	10.686	3127	3140	3145	rBV	4980853	8333136	21.94%	4.036%
32	10.776	3158	3168	3188	rVB	2866689	4339221	11.42%	2.102%
33	10.975	3208	3230	3251	rBV	4167829	6497458	17.11%	3.147%
34	11.152	3272	3285	3309	rVB	11504921	17540988	46.18%	8.496%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
Data File : VU025922.D
Acq On : 07 Aug 2018 06:11
Operator : MD/SY
Sample : J4344-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0530

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\82U072718W.M
Title : SW846 8260

35	11.326	3332	3339	3355	rVB	293100	476643	1.25%	0.231%
36	11.429	3360	3371	3379	rVV	368859	581199	1.53%	0.281%
37	11.483	3379	3388	3403	rVV2	1035881	1703679	4.49%	0.825%
38	11.573	3403	3416	3441	rVB	5234645	8078519	21.27%	3.913%
39	11.770	3464	3477	3486	rBV	3446804	5851761	15.41%	2.834%
40	11.811	3487	3490	3498	rVV	641847	768841	2.02%	0.372%
41	11.876	3498	3510	3530	rVB4	1016245	2166752	5.70%	1.049%
42	11.985	3532	3544	3555	rBV	249736	390504	1.03%	0.189%
43	12.059	3555	3567	3582	rBV	672104	1034517	2.72%	0.501%
44	12.149	3582	3595	3599	rBV	798954	1173117	3.09%	0.568%
45	12.178	3600	3604	3615	rVV	811343	1120900	2.95%	0.543%
46	12.255	3615	3628	3634	rVV	1056224	1648401	4.34%	0.798%
47	12.287	3634	3638	3649	rVV	430648	607812	1.60%	0.294%
48	12.358	3649	3660	3692	rVB2	1120292	2235451	5.88%	1.083%
49	12.554	3709	3721	3732	rVB2	534777	894276	2.35%	0.433%
50	12.651	3733	3751	3759	rVV	582504	954456	2.51%	0.462%
51	12.705	3759	3768	3784	rVB	929786	1413145	3.72%	0.684%
52	12.966	3841	3849	3864	rVB	773532	1180547	3.11%	0.572%
53	13.123	3877	3898	3913	rBV3	2285288	3909426	10.29%	1.893%
54	13.290	3939	3950	3972	rVB	1573233	2463367	6.48%	1.193%
55	13.612	4045	4050	4071	rVB2	206201	396424	1.04%	0.192%
56	13.744	4074	4091	4102	rBV	2282653	3643161	9.59%	1.765%
57	14.351	4265	4280	4299	rVB2	337508	671540	1.77%	0.325%
58	14.679	4371	4382	4397	rBV2	267471	443346	1.17%	0.215%
59	14.879	4431	4444	4456	rBV	1038173	1658833	4.37%	0.803%
60	15.065	4490	4502	4515	rBV	741298	1205297	3.17%	0.584%

Sum of corrected areas: 206466489

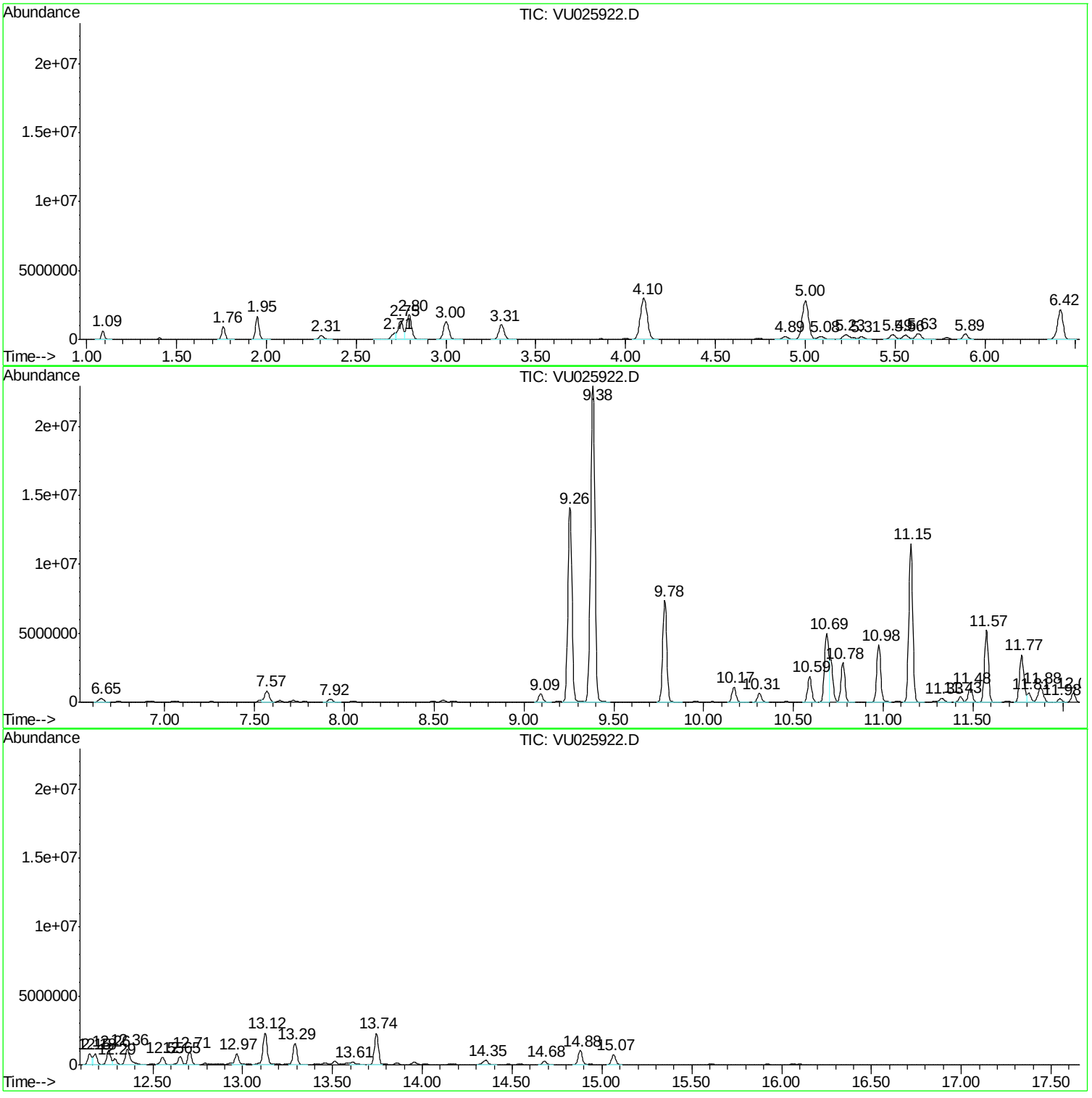
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025922.D
Acq On : 07 Aug 2018 06:11
Operator : MD/SY
Sample : J4344-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0530

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.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\VU080618\
Data File : VU025922.D
Acq On : 07 Aug 2018 06:11
Operator : MD/SY
Sample : J4344-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0530

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

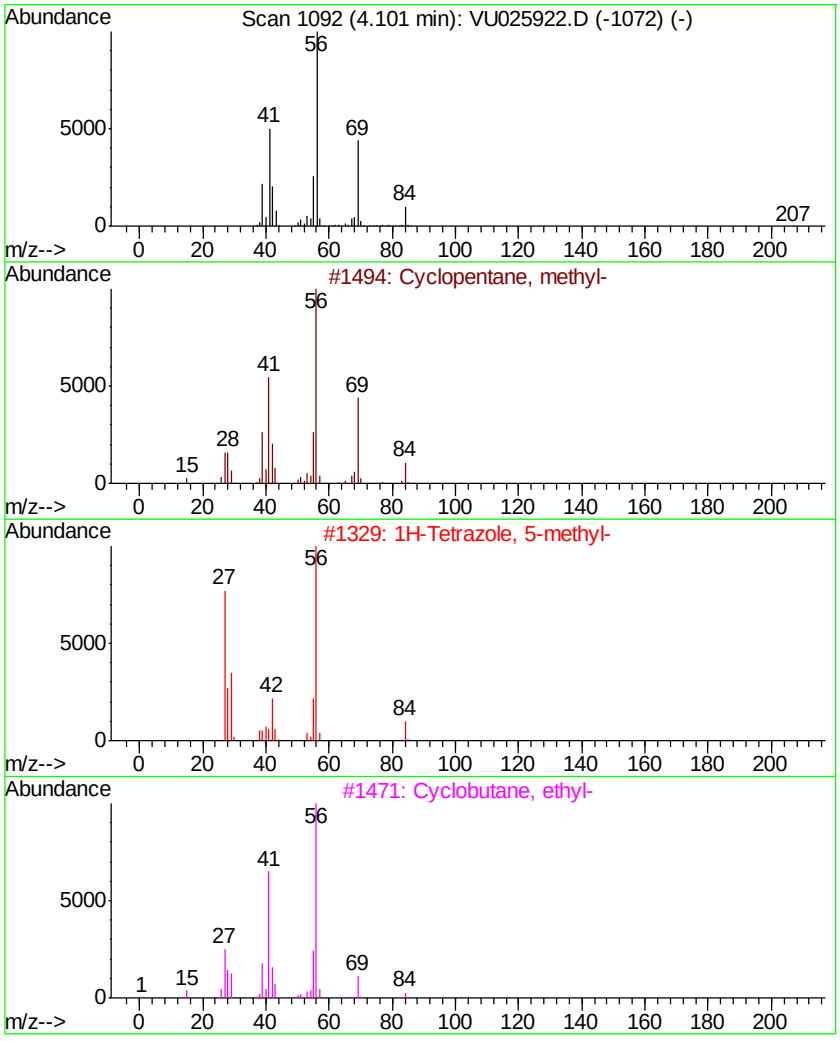
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

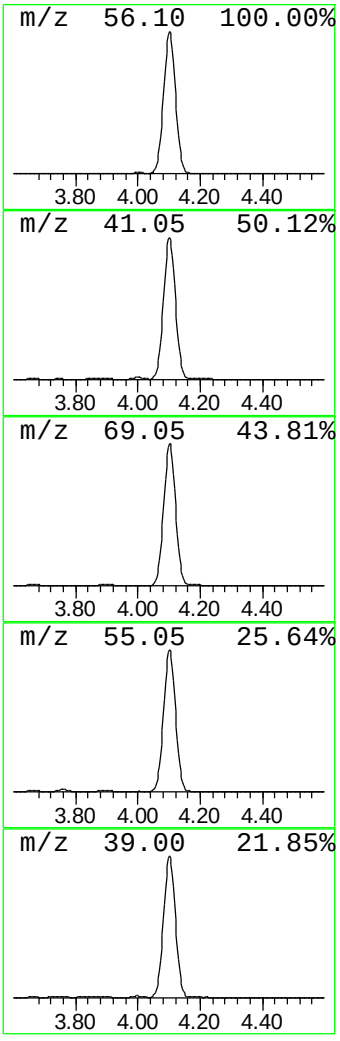
****

Peak Number 1 Cyclopentane, methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.10	57.35 ug/l	7997980	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	64
5	Cyclohexane	84	C6H12	000110-82-7	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025922.D
Acq On : 07 Aug 2018 06:11
Operator : MD/SY
Sample : J4344-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0530

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

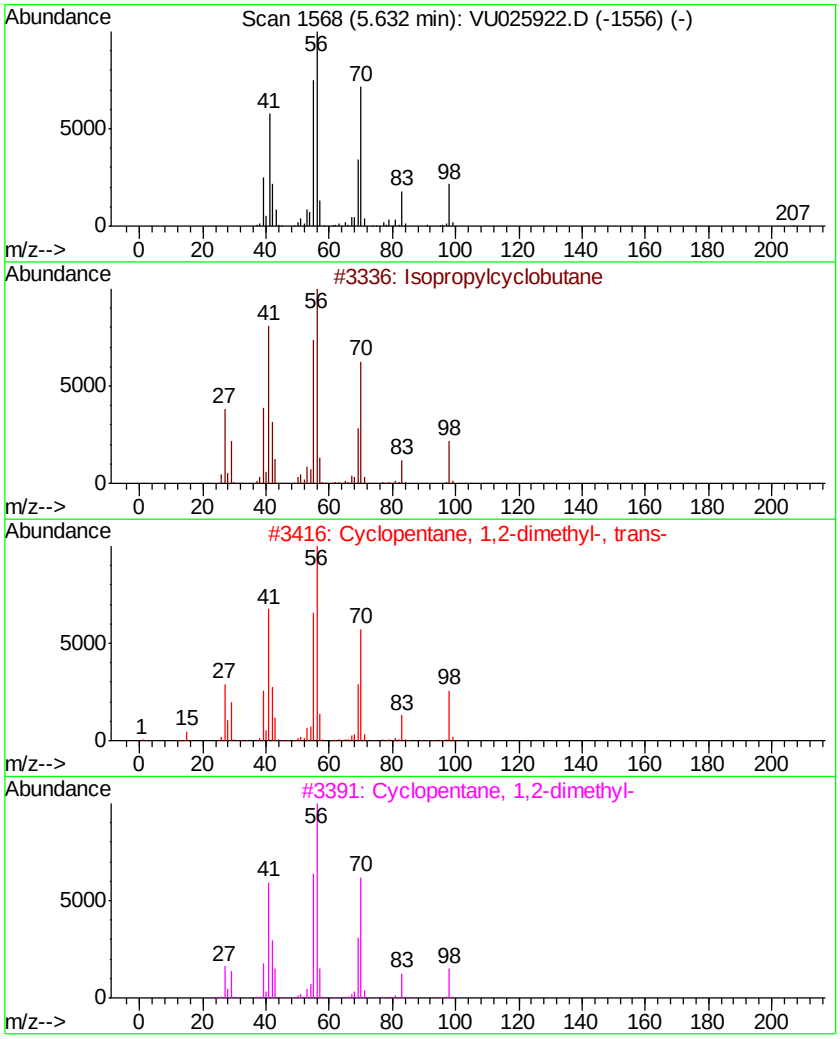
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

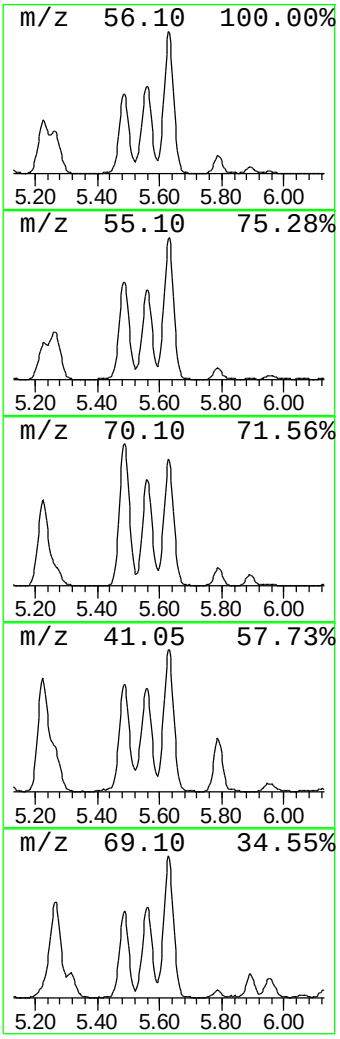
****

Peak Number 2 Isopropylcyclobutane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	62.46 ug/l	957157	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	94
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	86
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025922.D
Acq On : 07 Aug 2018 06:11
Operator : MD/SY
Sample : J4344-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0530

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

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

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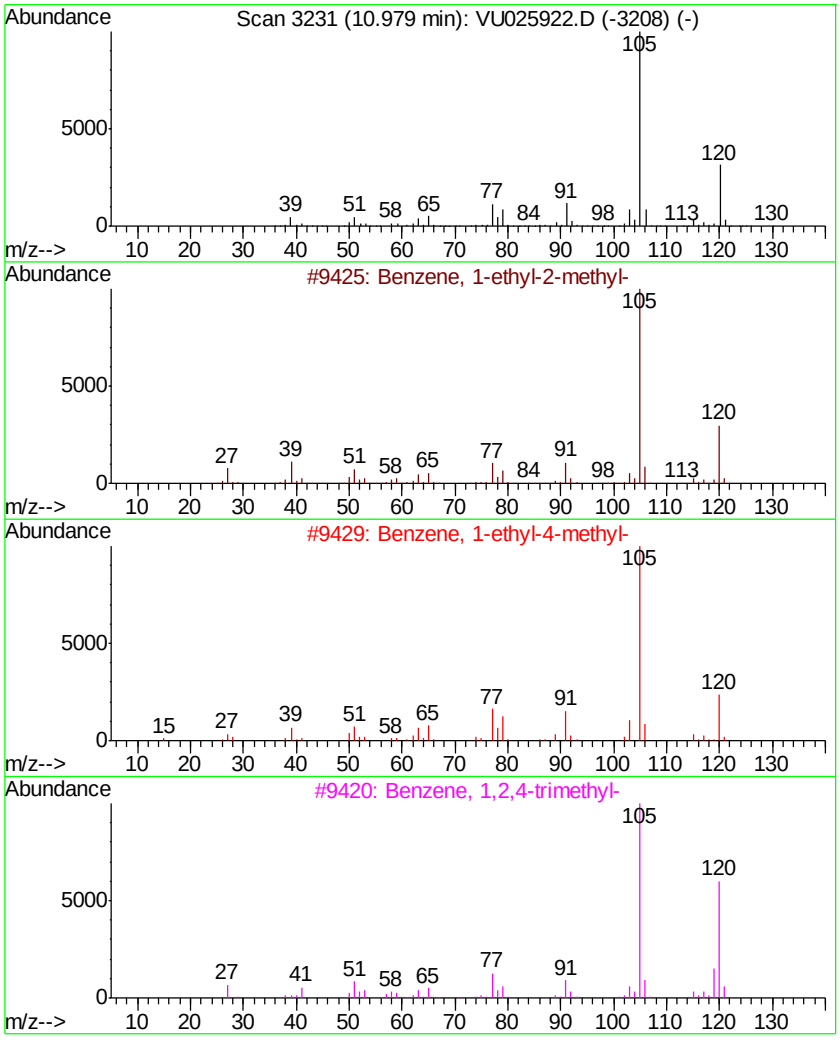
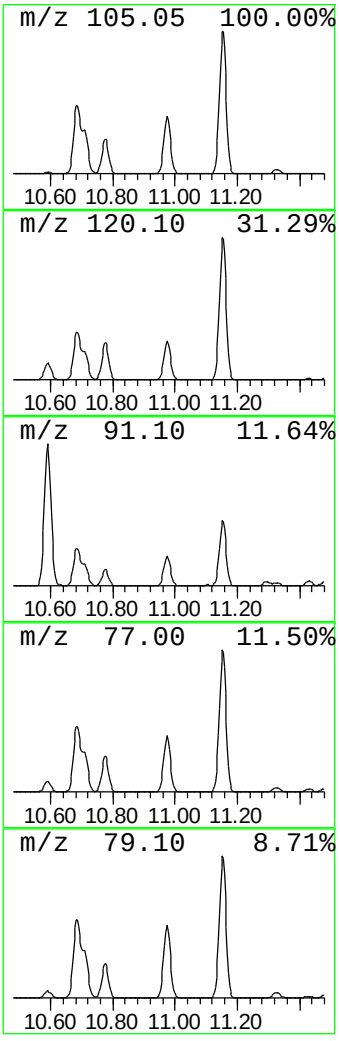
Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	190.69 ug/l	6497460	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	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	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\VU080618\
Data File : VU025922.D
Acq On : 07 Aug 2018 06:11
Operator : MD/SY
Sample : J4344-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0530

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

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

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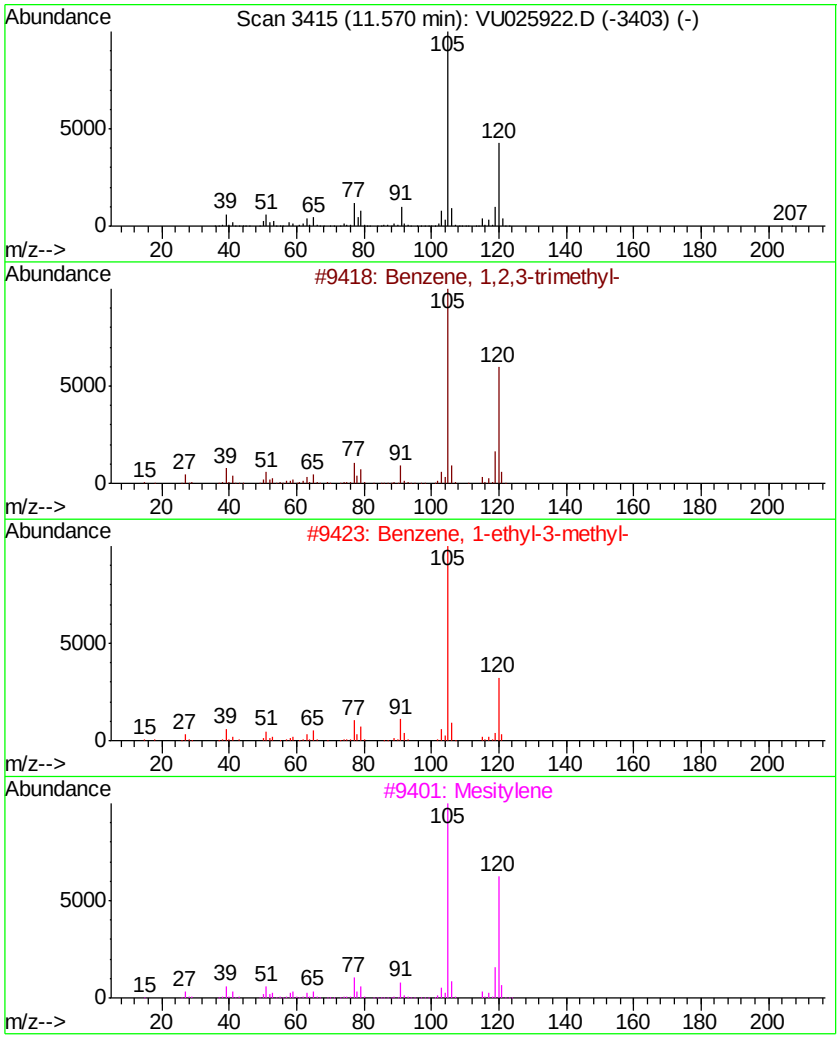
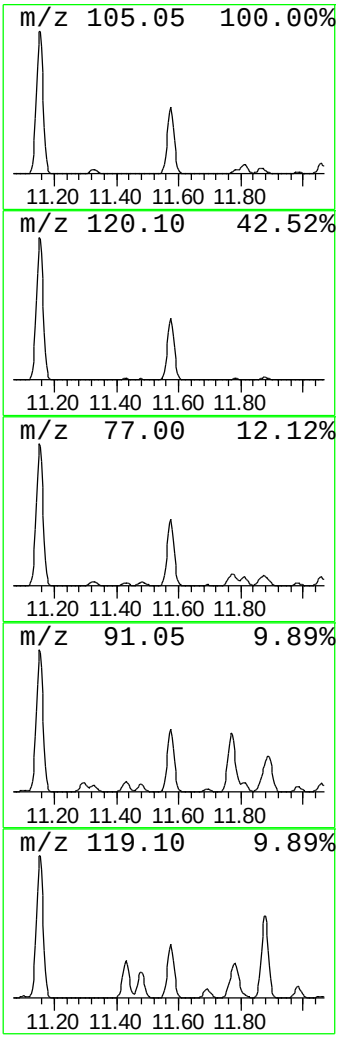
Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	237.09 ug/l	8078520	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-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Library Search Compound Report

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Data File : VU025922.D
Acq On : 07 Aug 2018 06:11
Operator : MD/SY
Sample : J4344-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0530

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

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

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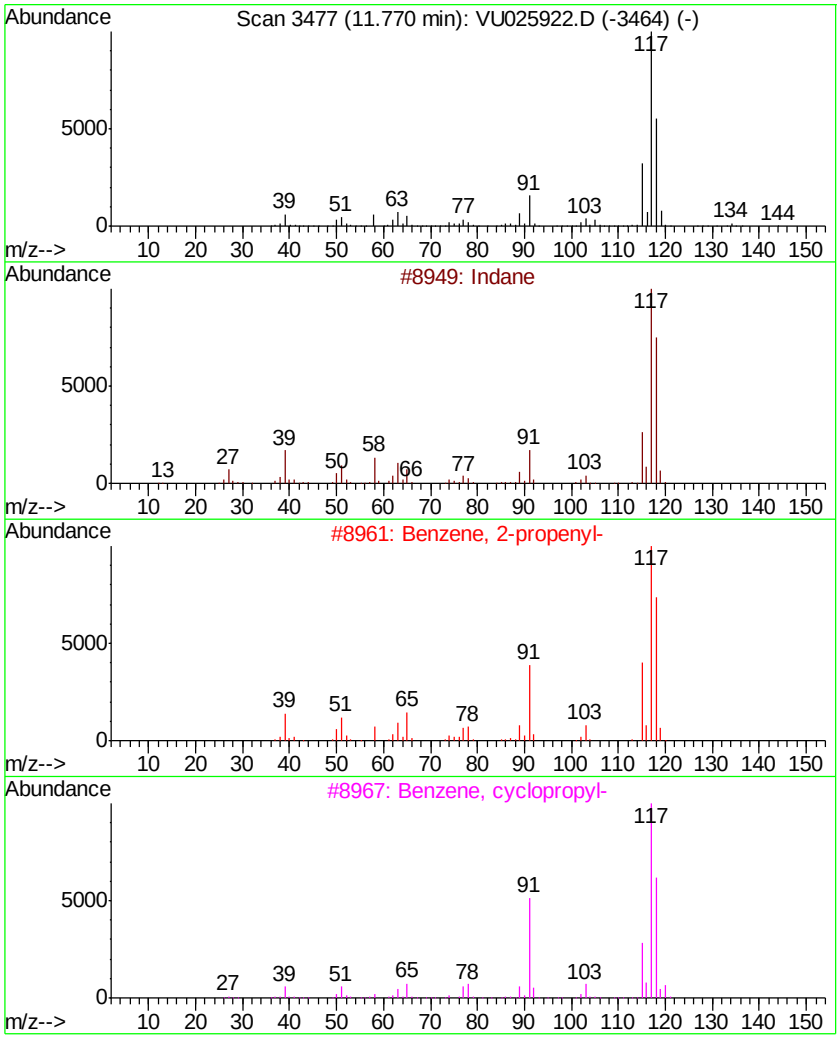
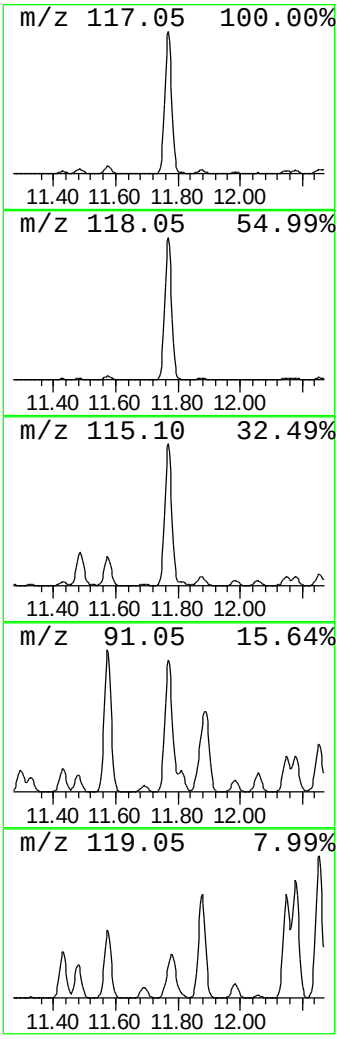
Peak Number 6 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	171.74 ug/l	5851760	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025922.D
Acq On : 07 Aug 2018 06:11
Operator : MD/SY
Sample : J4344-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0530

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

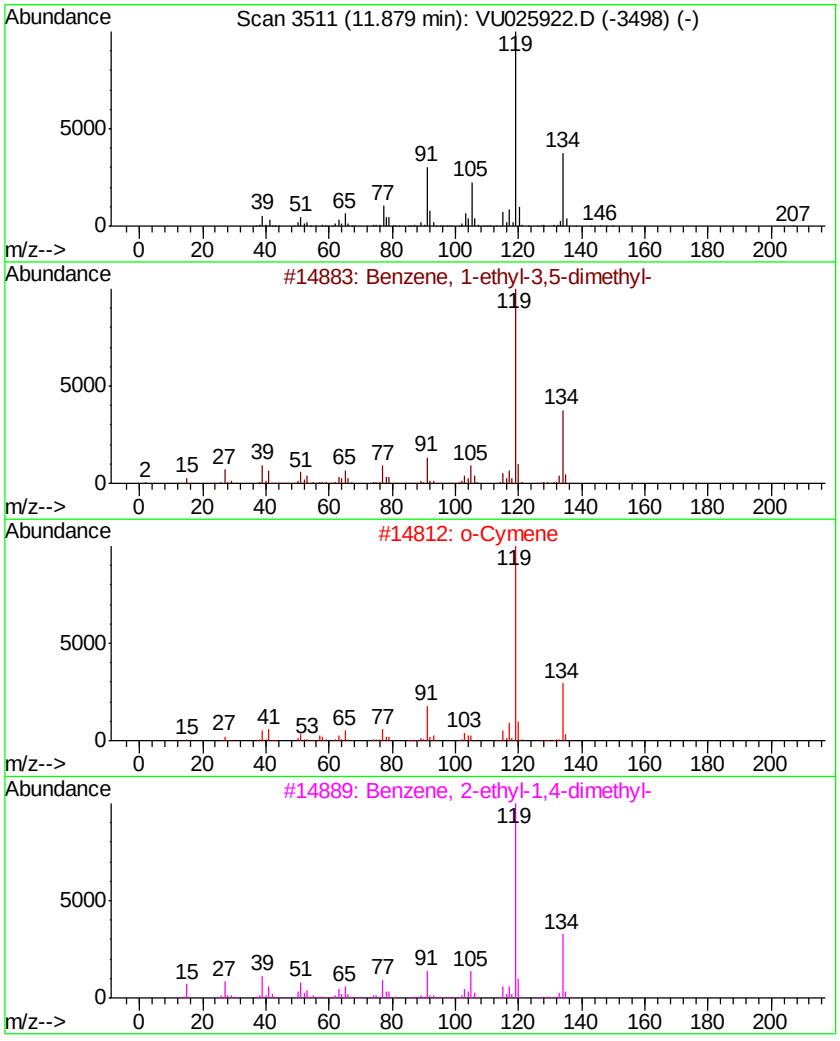
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

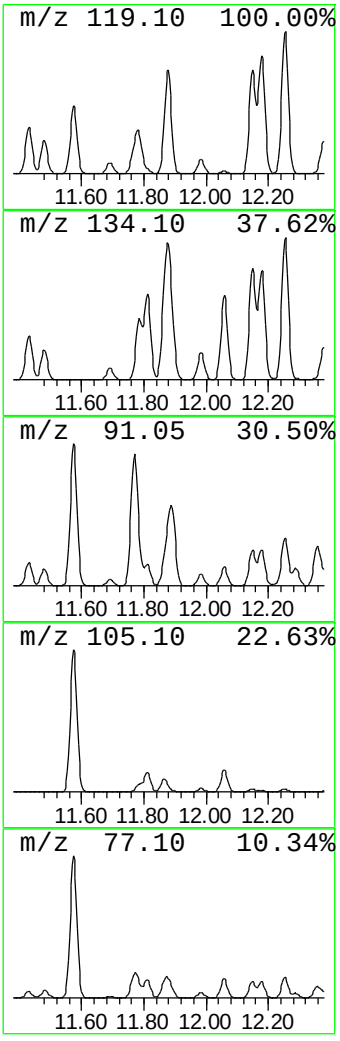
****

Peak Number 7 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	63.59 ug/l	2166750	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
2	o-Cymene	134	C10H14	000527-84-4	93
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025922.D
Acq On : 07 Aug 2018 06:11
Operator : MD/SY
Sample : J4344-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0530

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

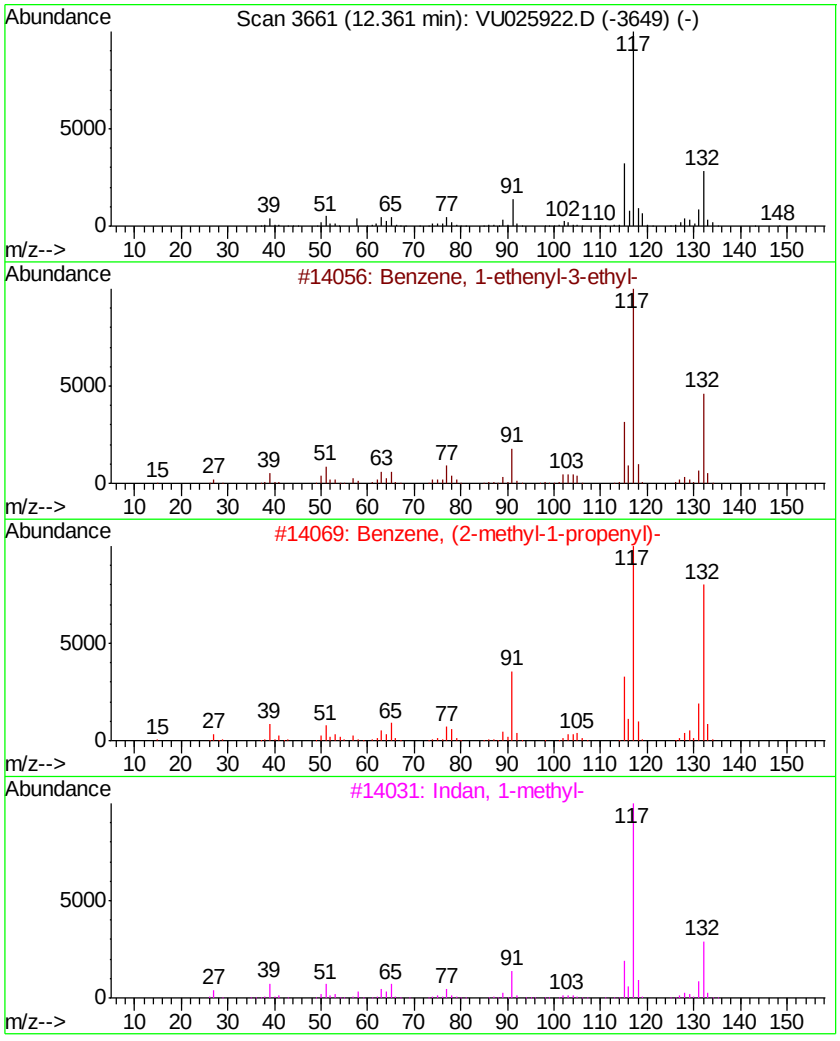
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

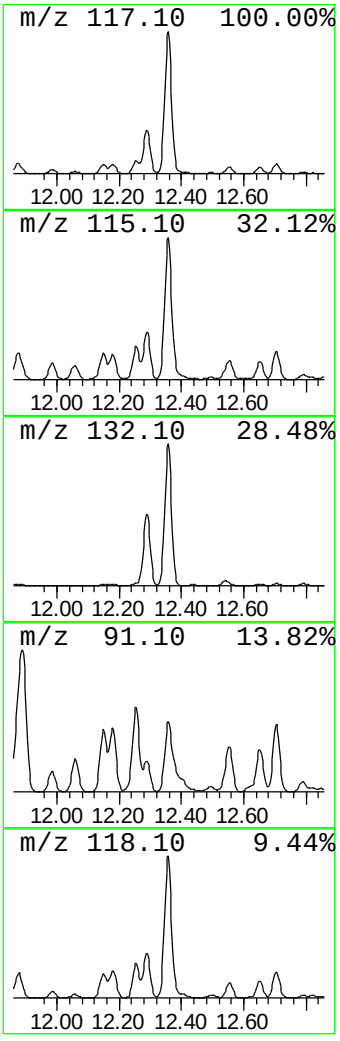
****

Peak Number 8 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	65.61 ug/l	2235450	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	90
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
Data File : VU025922.D
Acq On : 07 Aug 2018 06:11
Operator : MD/SY
Sample : J4344-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0530

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

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

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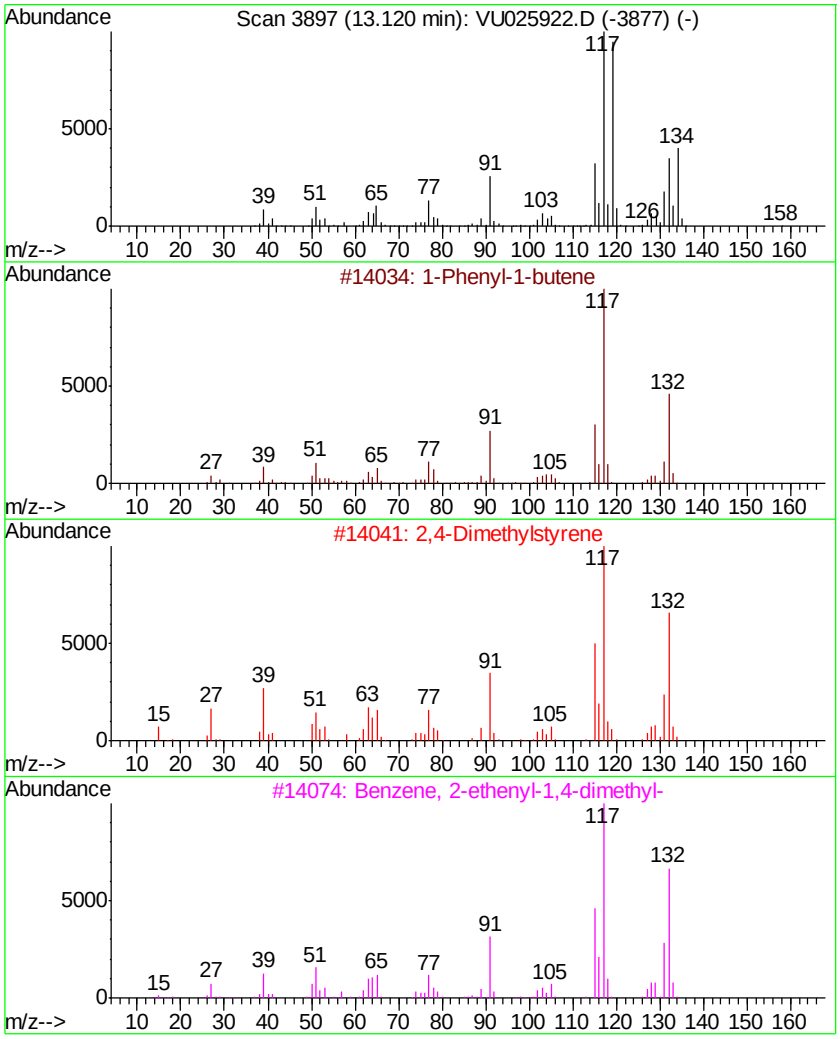
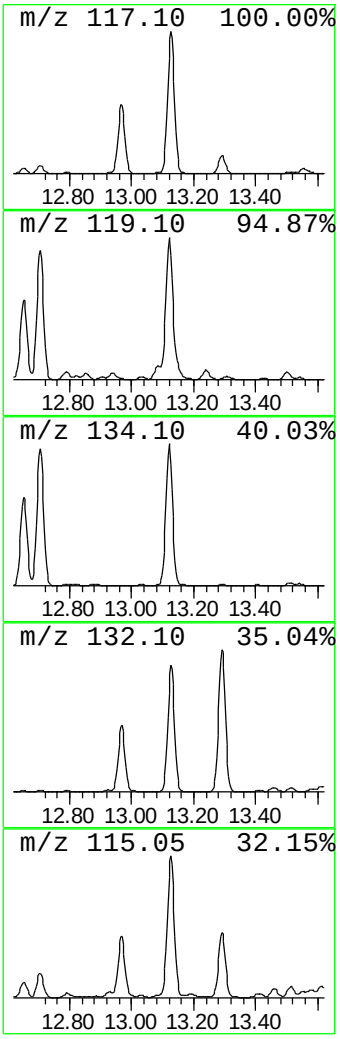
Peak Number 9 1-Phenyl-1-butene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	114.74 ug/l	3909430	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	86
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025922.D
Acq On : 07 Aug 2018 06:11
Operator : MD/SY
Sample : J4344-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0530

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

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

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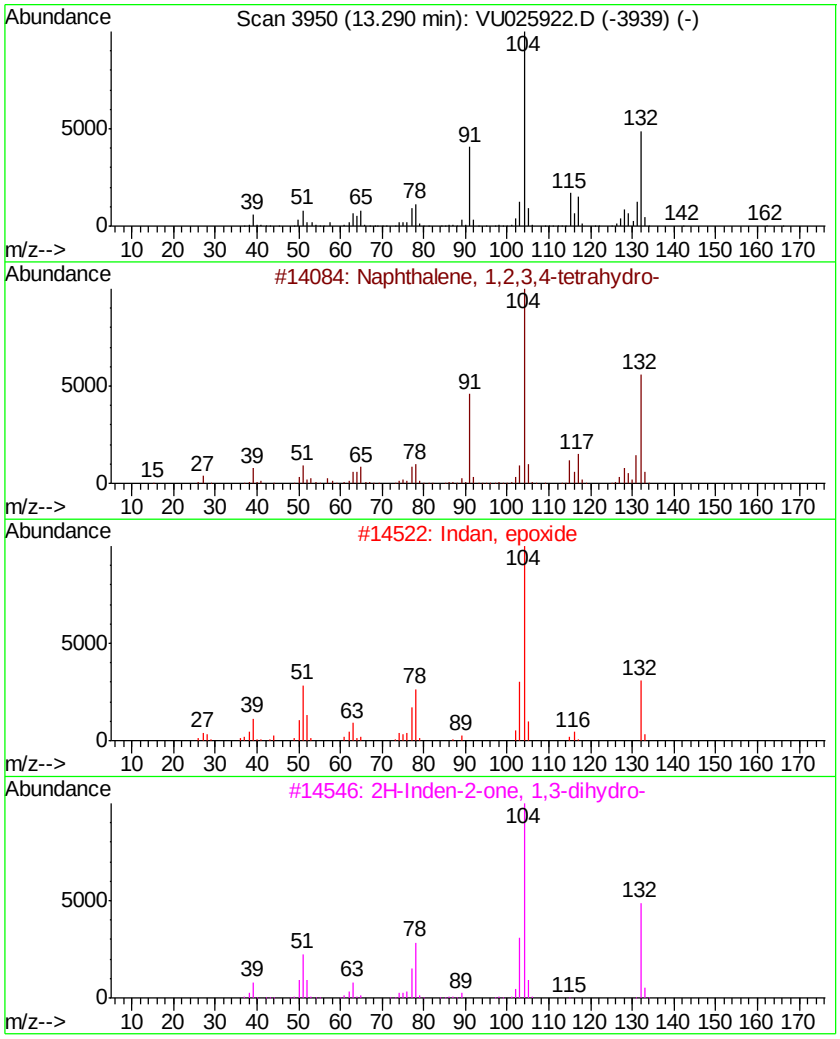
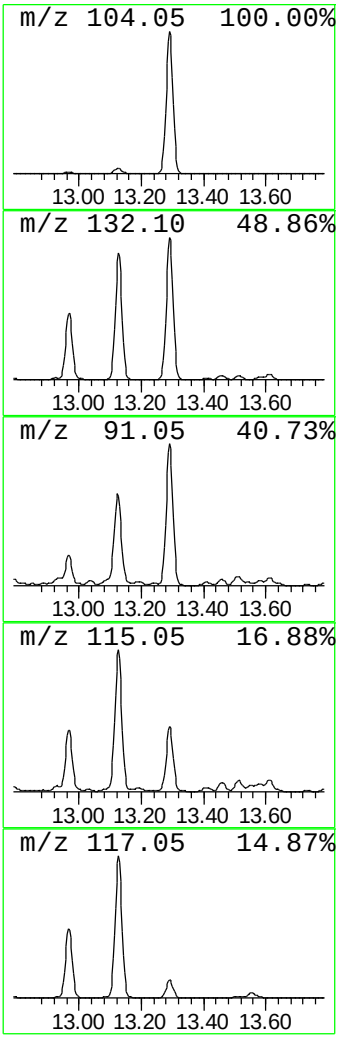
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	72.30 ug/l	2463370	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	Indan, epoxide	132	C9H8O	000768-22-9	58
3	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	58
4	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	46
5	Acetic acid, 2-phenylethyl ester	164	C10H12O2	000103-45-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025922.D
Acq On : 07 Aug 2018 06:11
Operator : MD/SY
Sample : J4344-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0530

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.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
Cyclopentane, met...	4.10	57.4	ug/l	7997980	1	4.99	6973070	50.0
Isopropylcyclobutane	5.63	62.5	ug/l	957157	2	5.89	766225	50.0
Benzene, 1-ethyl-...	10.98	190.7	ug/l	6497460	4	11.49	1703680	50.0
Benzene, 1,2,3-tr...	11.57	237.1	ug/l	8078520	4	11.49	1703680	50.0
Indane	11.77	171.7	ug/l	5851760	4	11.49	1703680	50.0
Benzene, 1-ethyl-...	11.88	63.6	ug/l	2166750	4	11.49	1703680	50.0
Benzene, 1-etheny...	12.36	65.6	ug/l	2235450	4	11.49	1703680	50.0
1-Phenyl-1-butene	13.12	114.7	ug/l	3909430	4	11.49	1703680	50.0
Naphthalene, 1,2,...	13.29	72.3	ug/l	2463370	4	11.49	1703680	50.0