LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
Data File : VU025926.D
Acq On : 07 Aug 2018 07:45
Operator : MD/SY
Sample : J4344-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0538

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	1.089	136	155	175	rBV	270977	319775	4.05%	0.471%
2	1.950	413	423	436	rBV	111772	149276	1.89%	0.220%
3	2.307	521	534	554	rVB	77378	152157	1.92%	0.224%
4	2.715	645	661	662	rBV	144698	216715	2.74%	0.319%
5	2.748	663	671	709	rVB	456662	925264	11.71%	1.363%
6	3.002	733	750	773	rBV	443040	941984	11.92%	1.387%
7	3.310	828	846	868	rBV2	371694	790921	10.01%	1.165%
8	3.857	999	1016	1041	rBV2	28735	84862	1.07%	0.125%
9	4.002	1041	1061	1074	rBV2	48281	133008	1.68%	0.196%
10	4.101	1074	1092	1114	rVB	599278	1599344	20.23%	2.355%
11	4.741	1267	1291	1312	rBV4	51353	143370	1.81%	0.211%
12	4.889	1320	1337	1353	rBV	209004	478091	6.05%	0.704%
13	4.998	1353	1371	1386	rVV3	912052	2309061	29.21%	3.400%
14	5.085	1387	1398	1422	rVV2	216458	535720	6.78%	0.789%
15	5.223	1424	1441	1460	rVV3	255859	744396	9.42%	1.096%
16	5.317	1461	1470	1492	rVB	201308	433941	5.49%	0.639%
17	5.487	1506	1523	1532	rBV4	182628	418039	5.29%	0.616%
18	5.555	1533	1544	1556	rVV5	215354	567138	7.17%	0.835%
19	5.629	1556	1567	1583	rVB	211680	469373	5.94%	0.691%
20	5.789	1603	1617	1634	rBV3	67529	134945	1.71%	0.199%
21	5.892	1634	1649	1665	rBV	407161	800740	10.13%	1.179%
22	6.420	1789	1813	1828	rBV	1277713	2770659	35.05%	4.080%
23	6.645	1873	1883	1897	rVB	117642	221167	2.80%	0.326%
24	6.741	1897	1913	1931	rVB4	49025	108939	1.38%	0.160%
25	6.928	1953	1971	1989	rVB4	133644	338515	4.28%	0.499%
26	7.053	1992	2010	2022	rBV	222820	472875	5.98%	0.696%
27	7.346	2094	2101	2123	rVB2	38190	96704	1.22%	0.142%
28	7.535	2144	2160	2162	rBV2	183416	275799	3.49%	0.406%
29	7.567	2162	2170	2189	rVB	835231	1499731	18.97%	2.209%
30	7.715	2202	2216	2229	rBV	95738	227864	2.88%	0.336%
31	7.921	2269	2280	2299	rVB	187953	346616	4.39%	0.510%
32	8.050	2302	2320	2331	rBV2	94509	172917	2.19%	0.255%
33	8.493	2439	2458	2466	rBV3	74496	140428	1.78%	0.207%
34	8.548	2466	2475	2485	rVV	168752	275929	3.49%	0.406%

LSC Area Percent Report

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Sample : J4344-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0538

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	8.609	2485	2494	2504	rVV	102085	166861	2.11%	0.246%
36	9.091	2633	2644	2663	rBV	615252	1014007	12.83%	1.493%
37	9.191	2663	2675	2685	rVV2	95350	173295	2.19%	0.255%
38	9.252	2685	2694	2707	rVB	131626	211849	2.68%	0.312%
39	9.378	2717	2733	2750	rBV	627852	1132332	14.33%	1.668%
40	9.783	2853	2859	2884	rVB	72458	141181	1.79%	0.208%
41	9.956	2887	2913	2928	rBV3	57911	135524	1.71%	0.200%
42	10.169	2968	2979	3010	rVB	583508	934412	11.82%	1.376%
43	10.310	3010	3023	3037	rBV	643746	1028865	13.02%	1.515%
44	10.590	3091	3110	3127	rBV	900431	1374788	17.39%	2.025%
45	10.683	3127	3139	3144	rBV	1978019	3211715	40.63%	4.730%
46	10.776	3157	3168	3187	rVB	1834838	2822881	35.71%	4.157%
47	10.976	3212	3230	3248	rBV	2299288	3592201	45.45%	5.290%
48	11.152	3273	3285	3312	rVB	5192032	7904478	100.00%	11.641%
49	11.294	3313	3329	3333	rBV2	88376	152163	1.93%	0.224%
50	11.326	3333	3339	3355	rVB	205564	315982	4.00%	0.465%
51	11.429	3355	3371	3379	rBV	292454	446396	5.65%	0.657%
52	11.484	3379	3388	3402	rVB2	943005	1541790	19.51%	2.271%
53	11.574	3403	3416	3441	rVB	2829861	4357076	55.12%	6.416%
54	11.689	3441	3452	3464	rVB	83751	130619	1.65%	0.192%
55	11.776	3464	3479	3486	rBV3	463571	1004956	12.71%	1.480%
56	11.812	3486	3490	3498	rVV	328720	427568	5.41%	0.630%
57	11.876	3498	3510	3530	rVB5	555335	1211141	15.32%	1.784%
58	11.982	3530	3543	3555	rBV	164154	256702	3.25%	0.378%
59	12.059	3555	3567	3580	rBV	449592	677574	8.57%	0.998%
60	12.149	3581	3595	3599	rBV	385044	580025	7.34%	0.854%
61	12.178	3599	3604	3614	rVB	517408	739367	9.35%	1.089%
62	12.252	3615	3627	3635	rBV	664419	1026506	12.99%	1.512%
63	12.287	3635	3638	3649	rVB2	151910	205034	2.59%	0.302%
64	12.358	3649	3660	3691	rBV4	356661	990754	12.53%	1.459%
65	12.496	3691	3703	3710	rBV4	80319	145426	1.84%	0.214%
66	12.551	3710	3720	3733	rVB3	347897	617198	7.81%	0.909%
67	12.651	3733	3751	3759	rBV	468836	796263	10.07%	1.173%
68	12.705	3759	3768	3784	rVB	585480	918516	11.62%	1.353%
69	12.792	3784	3795	3801	rBV2	121676	199495	2.52%	0.294%
70	12.930	3830	3838	3843	rVV4	79580	128747	1.63%	0.190%
71	12.966	3843	3849	3857	rVB2	155171	211911	2.68%	0.312%

LSC Area Percent Report

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ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0538

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

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Peak separation: 5

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

72	13.088	3877	3887	3888	rBV3	85630	111750	1.41%	0.165%
73	13.123	3888	3898	3912	rVB2	1130651	1858649	23.51%	2.737%
74	13.291	3940	3950	3961	rVB	456912	699299	8.85%	1.030%
75	13.410	3977	3987	3994	rBV2	72304	125062	1.58%	0.184%
76	13.458	3995	4002	4009	rVB	62372	87888	1.11%	0.129%
77	13.512	4009	4019	4025	rBV4	207442	342763	4.34%	0.505%
78	13.612	4045	4050	4056	rVB	75432	86438	1.09%	0.127%
79	13.744	4073	4091	4100	rBV	481250	809733	10.24%	1.192%
80	13.789	4100	4105	4117	rVB	82614	121854	1.54%	0.179%
81	13.857	4117	4126	4141	rBV	109746	178150	2.25%	0.262%
82	13.956	4141	4157	4168	rBV4	113381	251936	3.19%	0.371%
83	14.156	4208	4219	4224	rBV2	57815	97899	1.24%	0.144%
84	14.352	4265	4280	4295	rBV3	188699	412609	5.22%	0.608%
85	14.545	4330	4340	4352	rVB5	55435	108638	1.37%	0.160%
86	14.680	4371	4382	4398	rBV3	167184	304664	3.85%	0.449%
87	14.879	4432	4444	4455	rBV	564130	928188	11.74%	1.367%
88	14.937	4455	4462	4477	rVB4	46441	94735	1.20%	0.140%
89	15.065	4491	4502	4516	rBV	450684	763748	9.66%	1.125%
90	15.609	4652	4671	4683	rBV7	33874	93858	1.19%	0.138%
91	15.921	4753	4768	4779	rBV3	44376	89373	1.13%	0.132%
92	16.065	4802	4813	4819	rBV2	68961	115194	1.46%	0.170%

Sum of corrected areas: 67904289

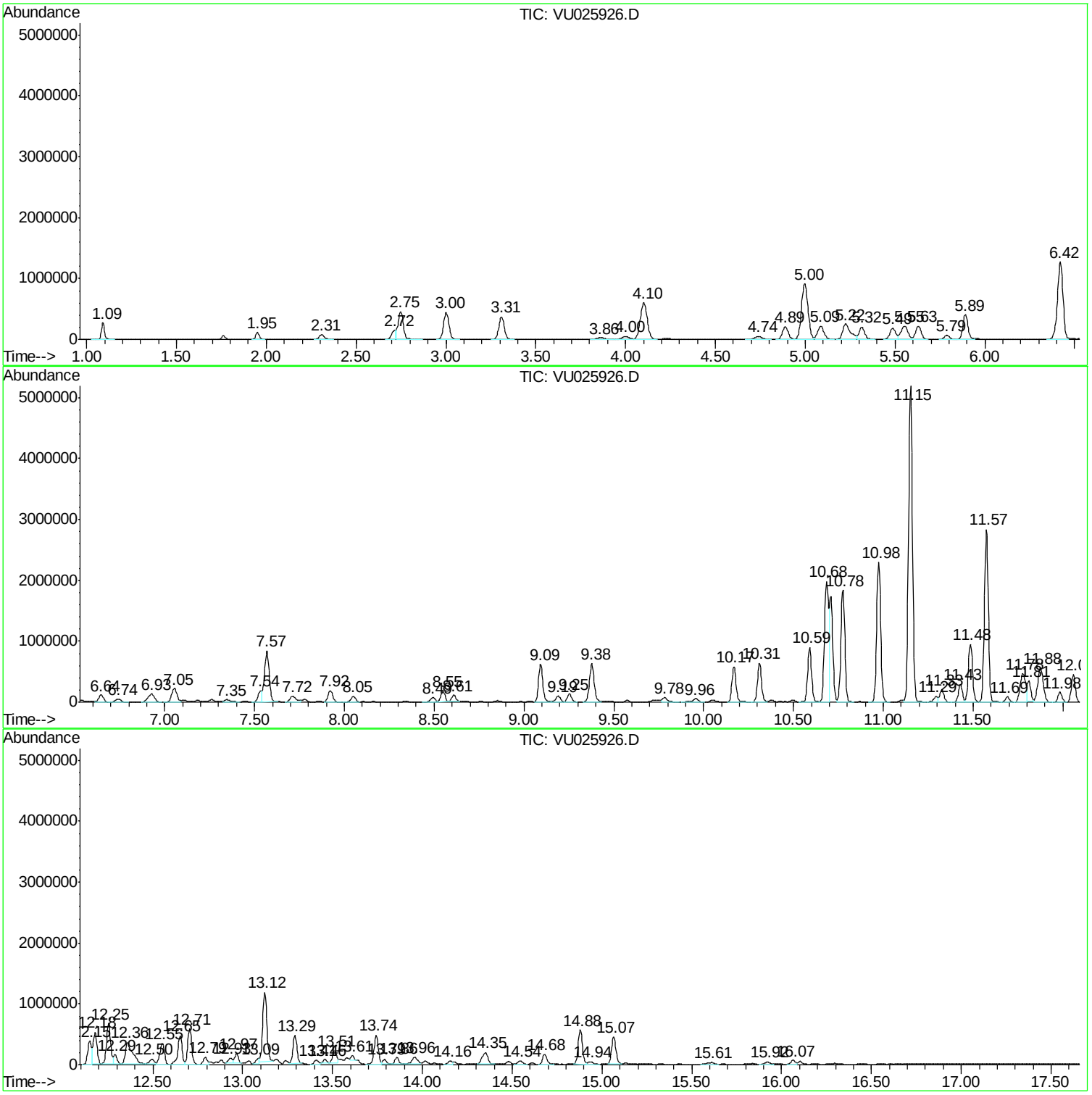
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025926.D
Acq On : 07 Aug 2018 07:45
Operator : MD/SY
Sample : J4344-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0538

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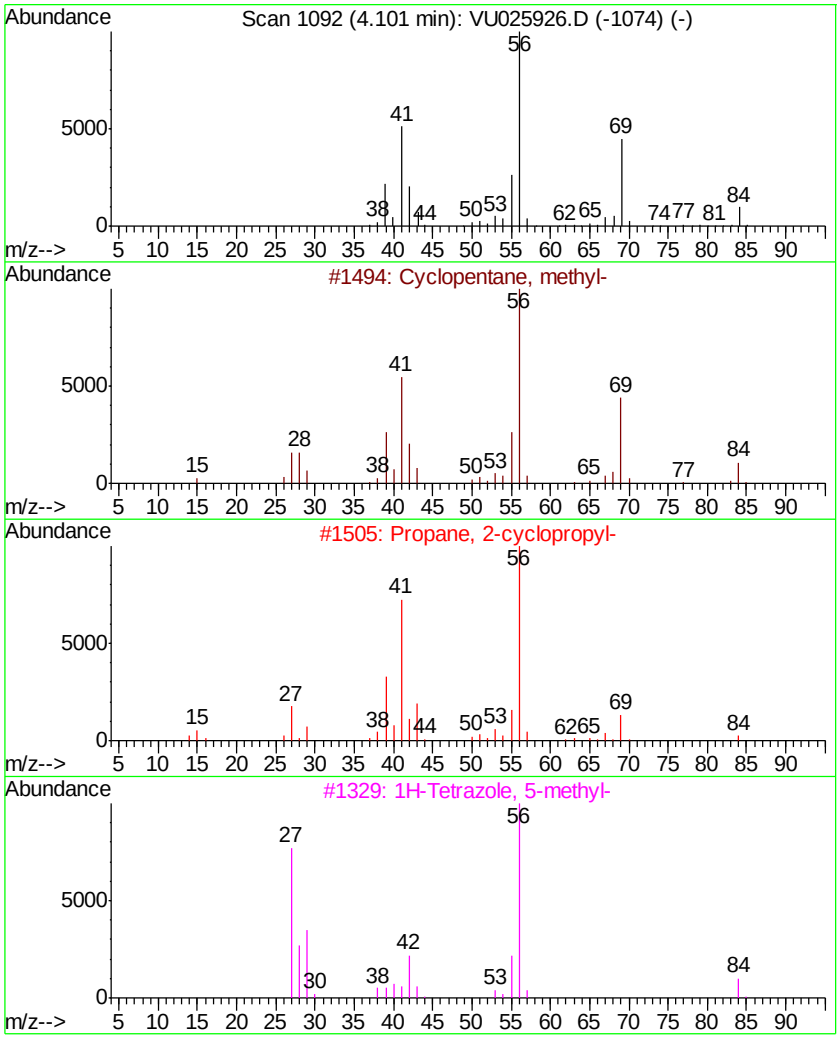
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

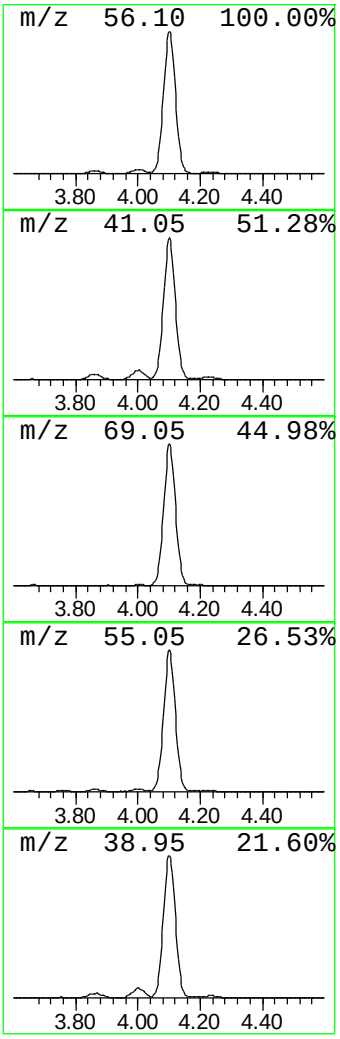
****

Peak Number 1 Cyclopentane, methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.10	34.63 ug/l	1599340	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	80
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
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Operator : MD/SY
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0538

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

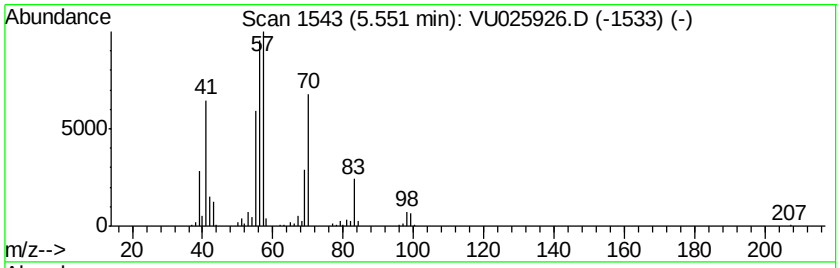
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

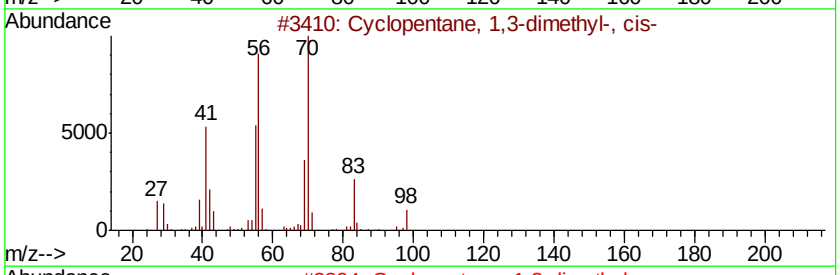
****

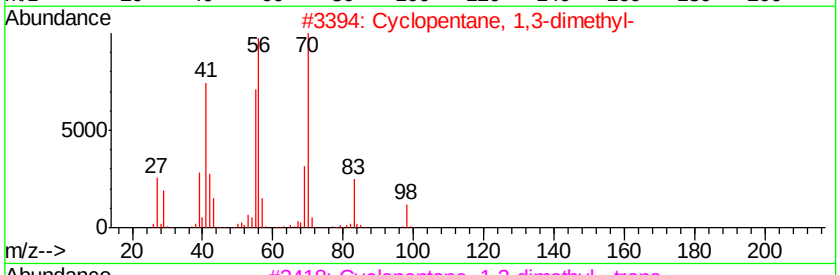
Peak Number 2 Cyclopentane, 1,3-dimethyl-... Concentration Rank 6

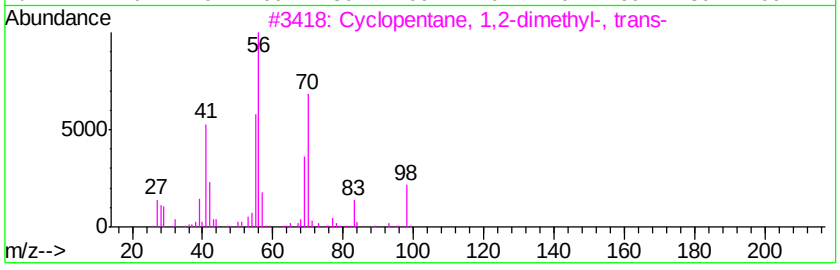
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.55	35.41 ug/l	567138	1,4-Difluorobenzene	5.89

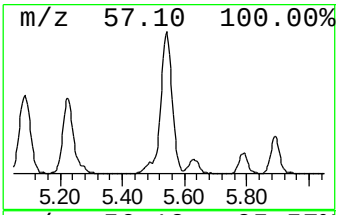
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	72
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	58
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	50
5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	49

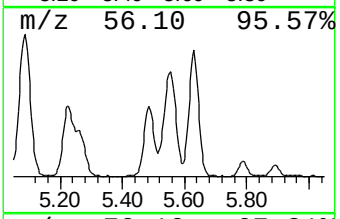


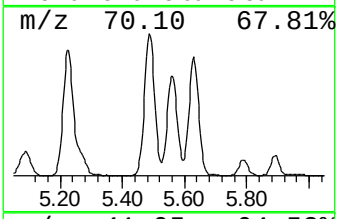


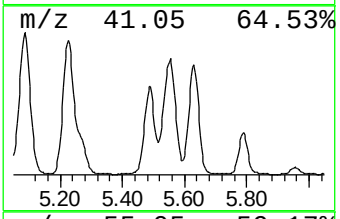


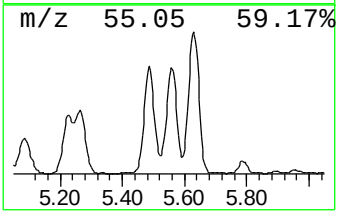












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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

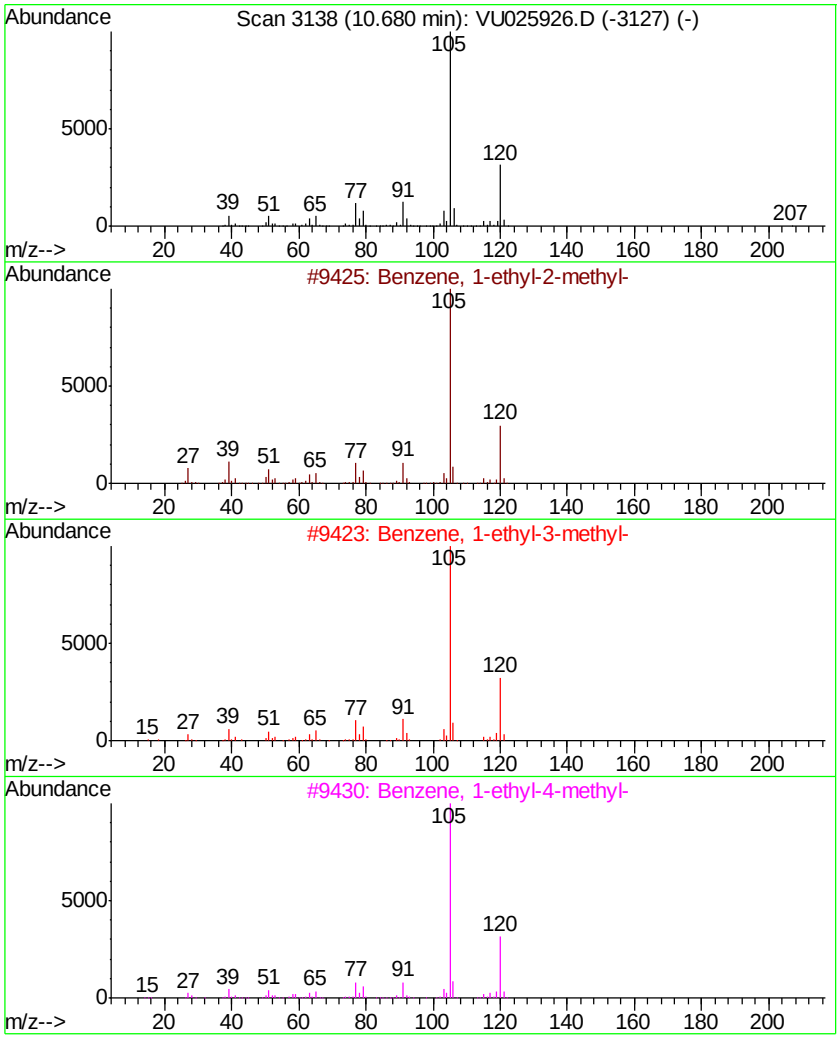
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

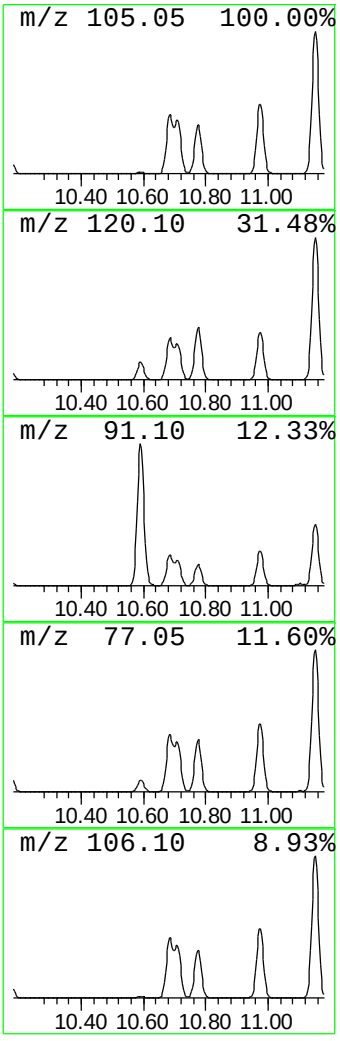
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	104.16 ug/l	3211720	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-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0538

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

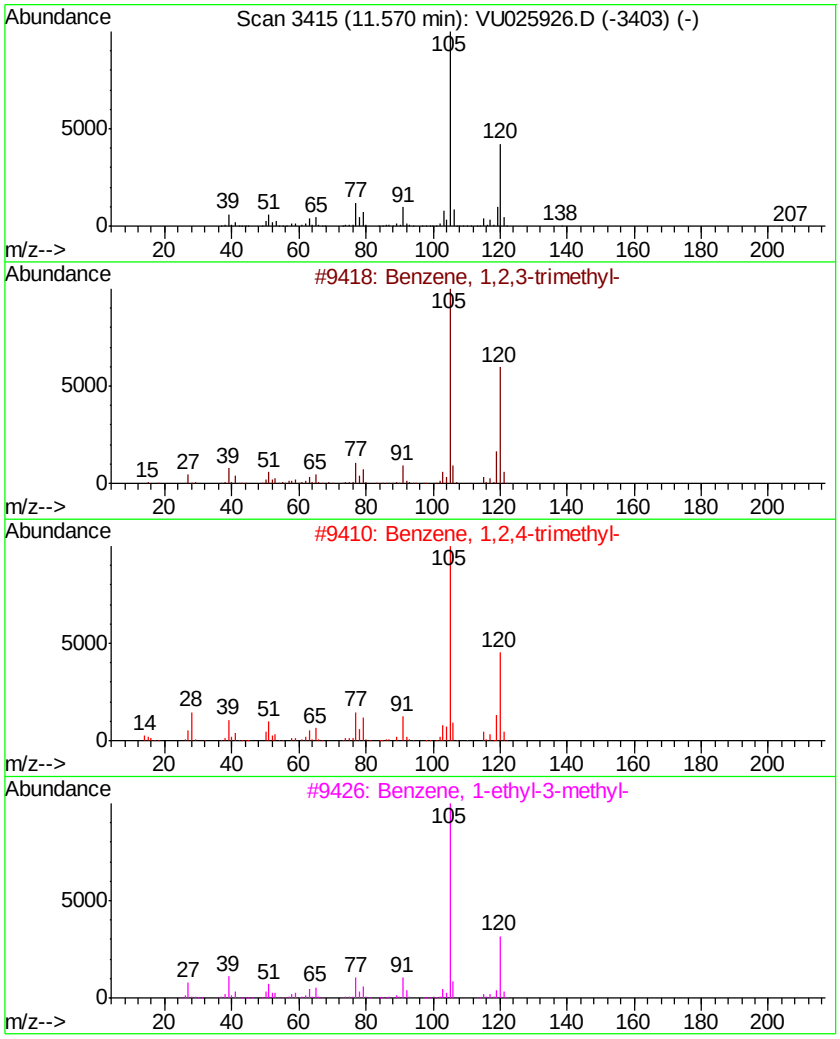
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

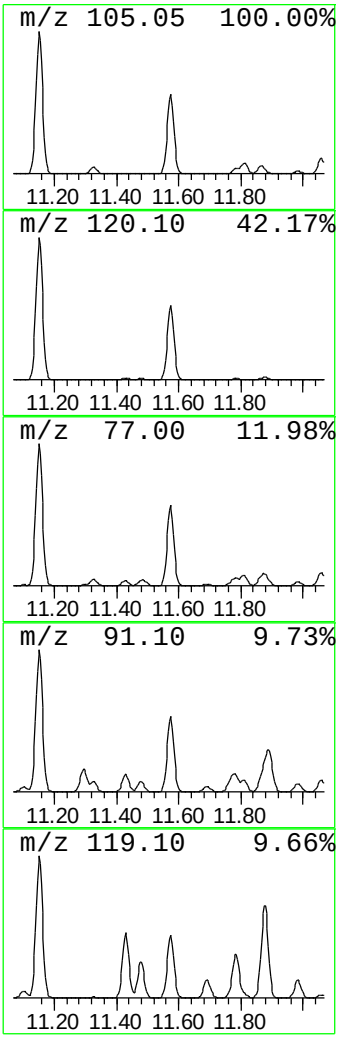
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	141.30 ug/l	4357080	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	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
Data File : VU025926.D
Acq On : 07 Aug 2018 07:45
Operator : MD/SY
Sample : J4344-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0538

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

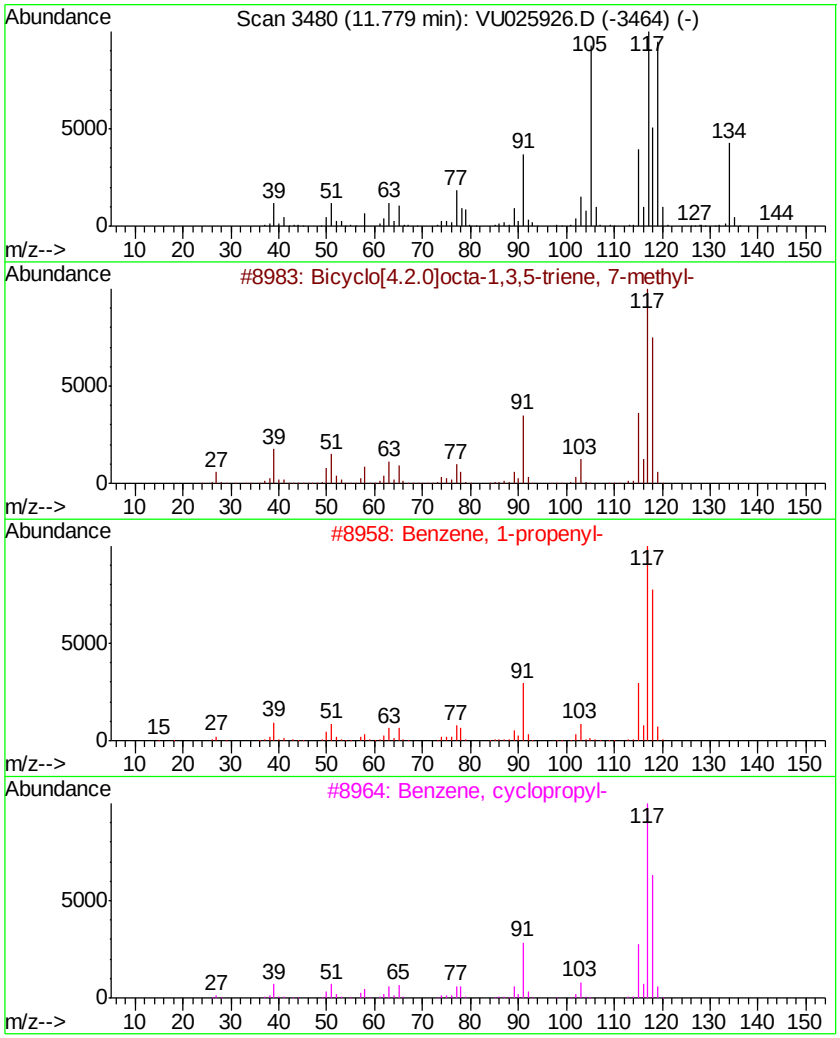
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

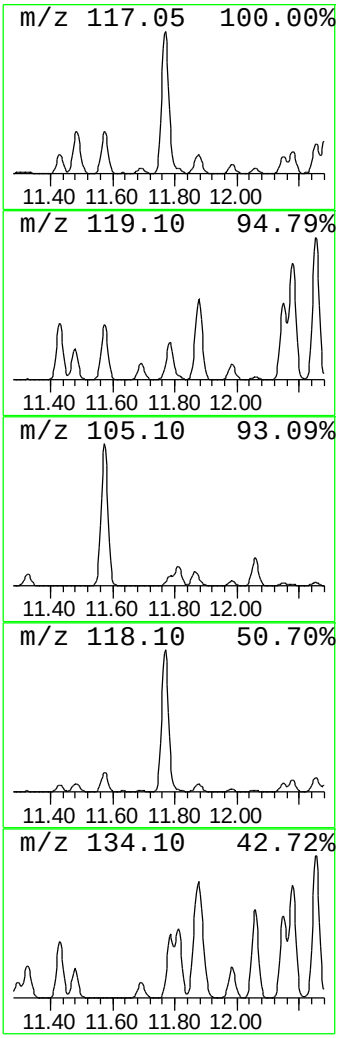
****

Peak Number 6 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	32.59 ug/l	1004960	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	78
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	60
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025926.D
Acq On : 07 Aug 2018 07:45
Operator : MD/SY
Sample : J4344-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0538

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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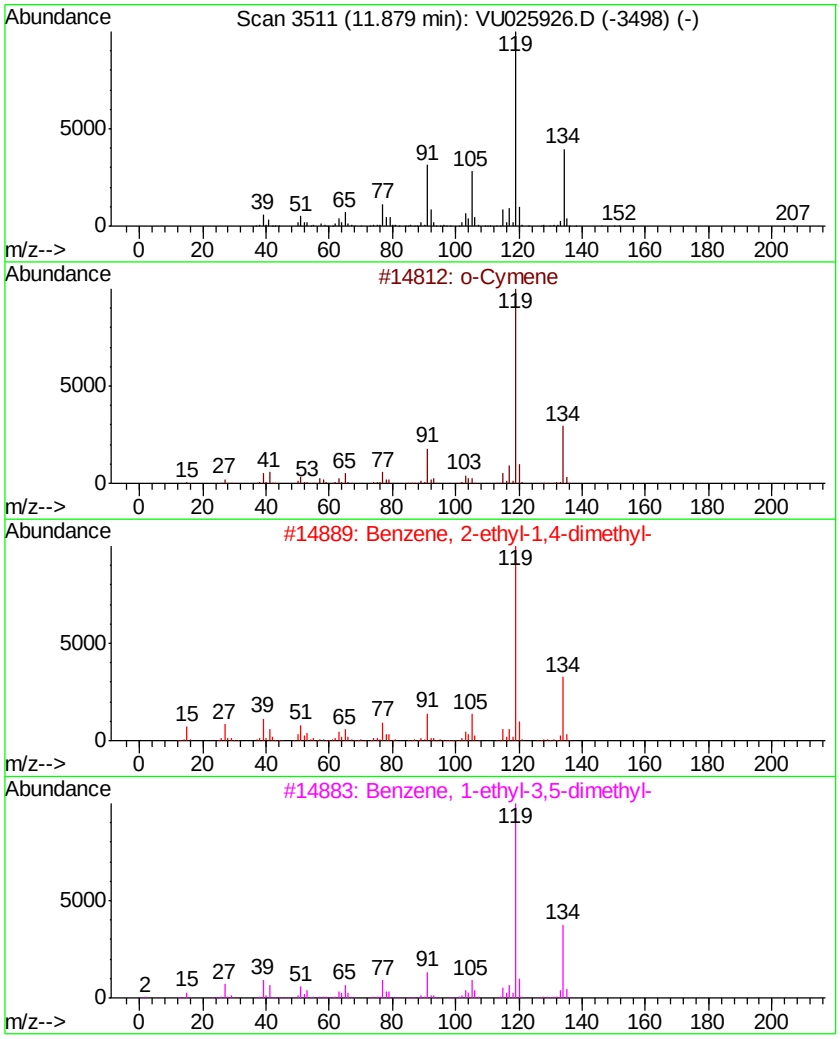
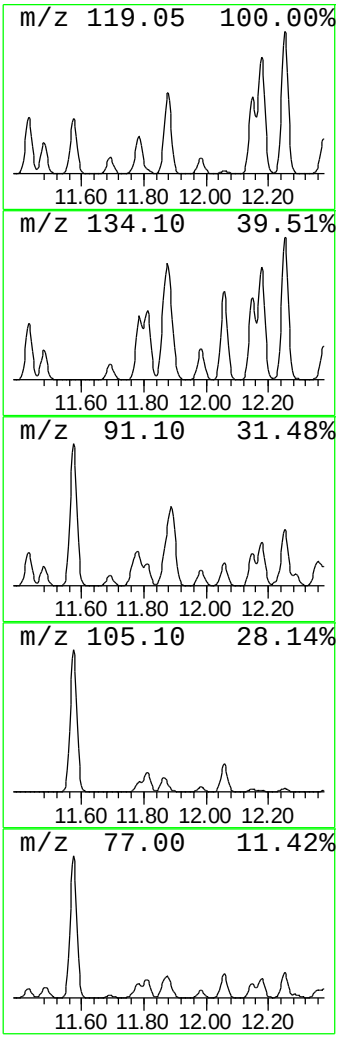
Peak Number 7 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	39.28 ug/l	1211140	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025926.D
Acq On : 07 Aug 2018 07:45
Operator : MD/SY
Sample : J4344-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0538

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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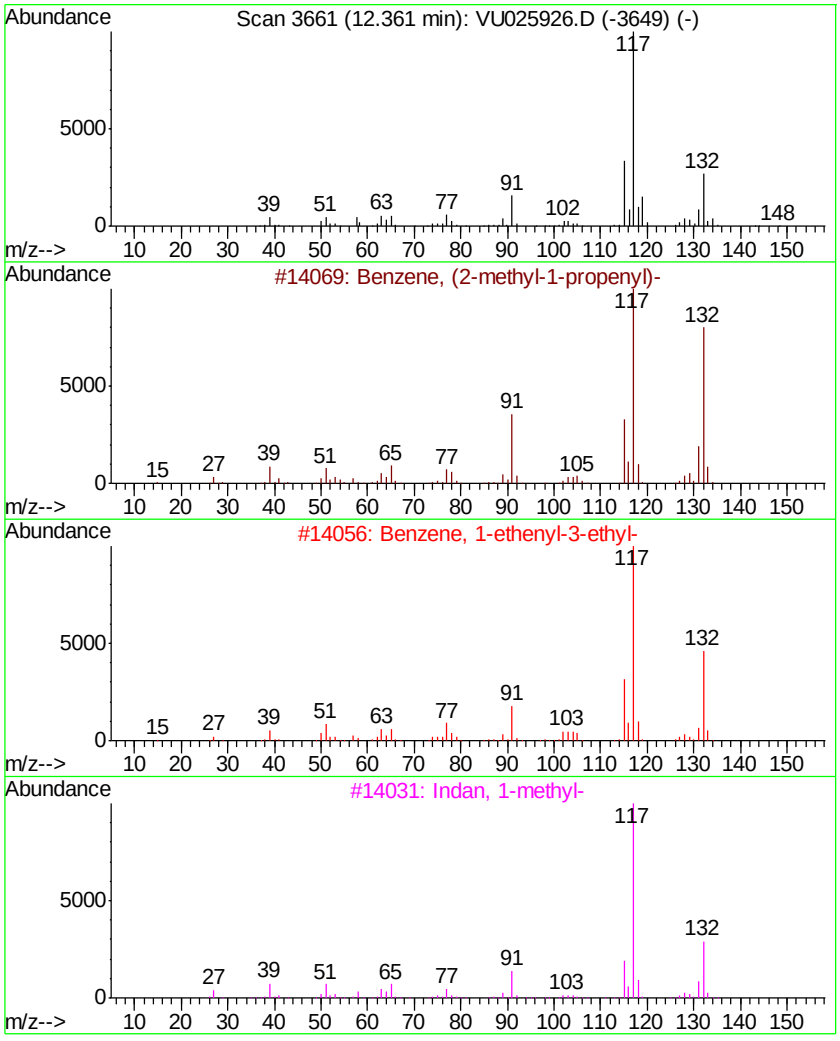
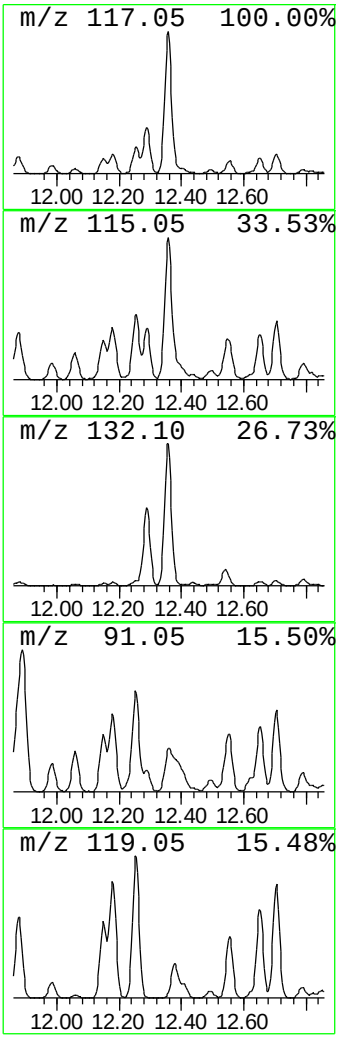
Peak Number 9 Benzene, (2-methyl-1-propen... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	32.13 ug/l	990754	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025926.D
Acq On : 07 Aug 2018 07:45
Operator : MD/SY
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0538

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	34.6	ug/l	1599340	1	4.99	2309060	50.0
Cyclopentane, 1,3...	5.55	35.4	ug/l	567138	2	5.89	800740	50.0
Benzene, 1-ethyl-...	10.68	104.2	ug/l	3211720	4	11.49	1541790	50.0
Benzene, 1,2,3-tr...	11.57	141.3	ug/l	4357080	4	11.49	1541790	50.0
Bicyclo[4.2.0]oct...	11.78	32.6	ug/l	1004960	4	11.49	1541790	50.0
o-Cymene	11.88	39.3	ug/l	1211140	4	11.49	1541790	50.0
Benzene, (2-methy...	12.36	32.1	ug/l	990754	4	11.49	1541790	50.0