LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
Data File : VU025918.D
Acq On : 07 Aug 2018 04:38
Operator : MD/SY
Sample : J4344-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0534

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	1.092	140	156	170	rBV	240737	279784	3.53%	1.114%
2	1.760	355	364	379	rVB	129132	167776	2.12%	0.668%
3	2.748	665	671	679	rVV	61614	113801	1.44%	0.453%
4	2.796	679	686	709	rVB	48338	91778	1.16%	0.365%
5	3.002	735	750	767	rBV	74801	162663	2.05%	0.648%
6	4.101	1075	1092	1113	rVB2	73432	195545	2.47%	0.779%
7	4.889	1319	1337	1354	rBV	196696	442149	5.58%	1.761%
8	4.992	1354	1369	1386	rVV2	352337	858049	10.83%	3.417%
9	5.085	1386	1398	1418	rVB3	73251	185537	2.34%	0.739%
10	5.227	1427	1442	1458	rBV6	33601	110501	1.39%	0.440%
11	5.313	1458	1469	1496	rVB	190230	418094	5.28%	1.665%
12	5.487	1504	1523	1529	rBV4	38797	83450	1.05%	0.332%
13	5.545	1530	1541	1557	rVV2	114448	303107	3.83%	1.207%
14	5.892	1632	1649	1678	rBV	381029	747135	9.43%	2.975%
15	6.419	1790	1813	1827	rBV	164166	372915	4.71%	1.485%
16	6.931	1953	1972	1987	rBV2	100118	214701	2.71%	0.855%
17	7.053	1993	2010	2023	rBV	177611	364008	4.59%	1.449%
18	7.571	2146	2171	2195	rBV	718628	1331739	16.81%	5.303%
19	9.095	2632	2645	2666	rBV	570543	957651	12.09%	3.813%
20	9.252	2682	2694	2719	rBV	1248616	2007168	25.33%	7.992%
21	9.377	2719	2733	2774	rVB	4759480	7923668	100.00%	31.552%
22	9.783	2846	2859	2888	rVB	1190028	1890217	23.86%	7.527%
23	10.168	2968	2979	2990	rBV	84250	131033	1.65%	0.522%
24	10.310	3011	3023	3040	rBV	600341	959758	12.11%	3.822%
25	10.590	3101	3110	3121	rBV	63533	98299	1.24%	0.391%
26	10.686	3130	3140	3143	rBV2	103270	152331	1.92%	0.607%
27	10.776	3158	3168	3186	rVB	110999	173563	2.19%	0.691%
28	10.976	3217	3230	3252	rBV	161824	262029	3.31%	1.043%
29	11.152	3274	3285	3298	rVB	523903	793383	10.01%	3.159%
30	11.487	3378	3389	3405	rVV	781461	1251735	15.80%	4.984%
31	11.574	3405	3416	3431	rVB	82114	127651	1.61%	0.508%
32	11.770	3462	3477	3486	rBV	228947	393480	4.97%	1.567%
33	11.876	3499	3510	3530	rVB3	72482	157725	1.99%	0.628%
34	12.178	3599	3604	3614	rVB	76835	111508	1.41%	0.444%

LSC Area Percent Report

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Operator : MD/SY
Sample : J4344-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0534

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	12.255	3614	3628	3635	rBV	62474	94875	1.20%	0.378%
36	12.654	3733	3752	3760	rBV	79898	144501	1.82%	0.575%
37	12.705	3760	3768	3781	rVB	76787	121727	1.54%	0.485%
38	13.123	3889	3898	3913	rVB2	90517	148381	1.87%	0.591%
39	13.744	4074	4091	4102	rBV	464275	769736	9.71%	3.065%

Sum of corrected areas: 25113151

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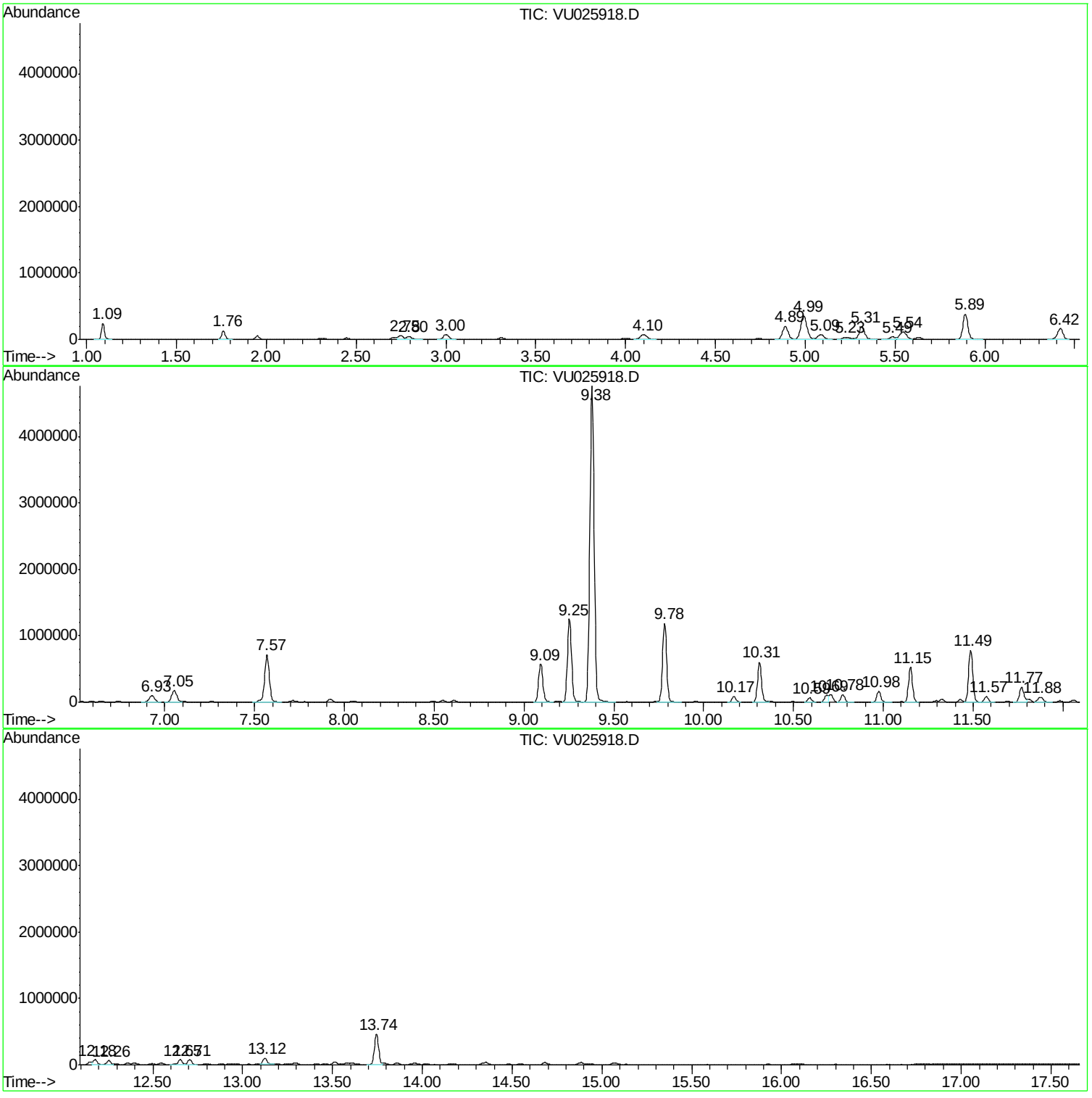
ClientSampleId : FL-0534

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

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Operator : MD/SY
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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

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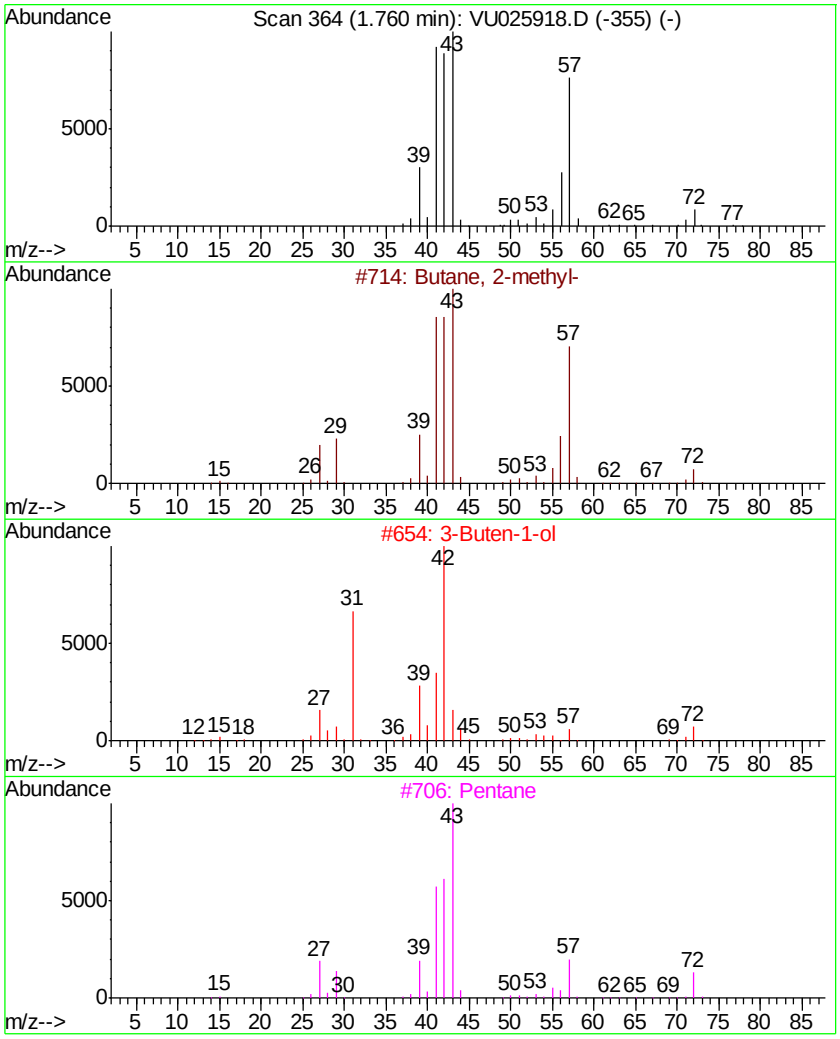
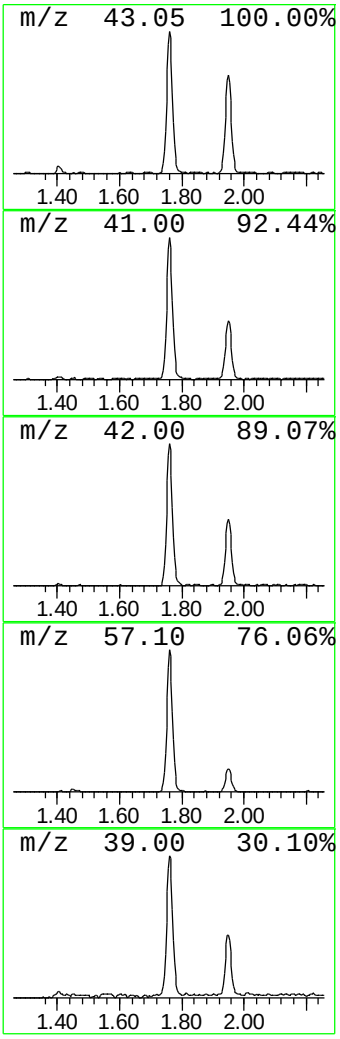
Peak Number 2 Butane, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	9.78 ug/l	167776	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	3-Buten-1-ol	72	C4H8O	000627-27-0	43
3	Pentane	72	C5H12	000109-66-0	33
4	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	10
5	1-Butene	56	C4H8	000106-98-9	10





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Data File : VU025918.D
Acq On : 07 Aug 2018 04:38
Operator : MD/SY
Sample : J4344-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0534

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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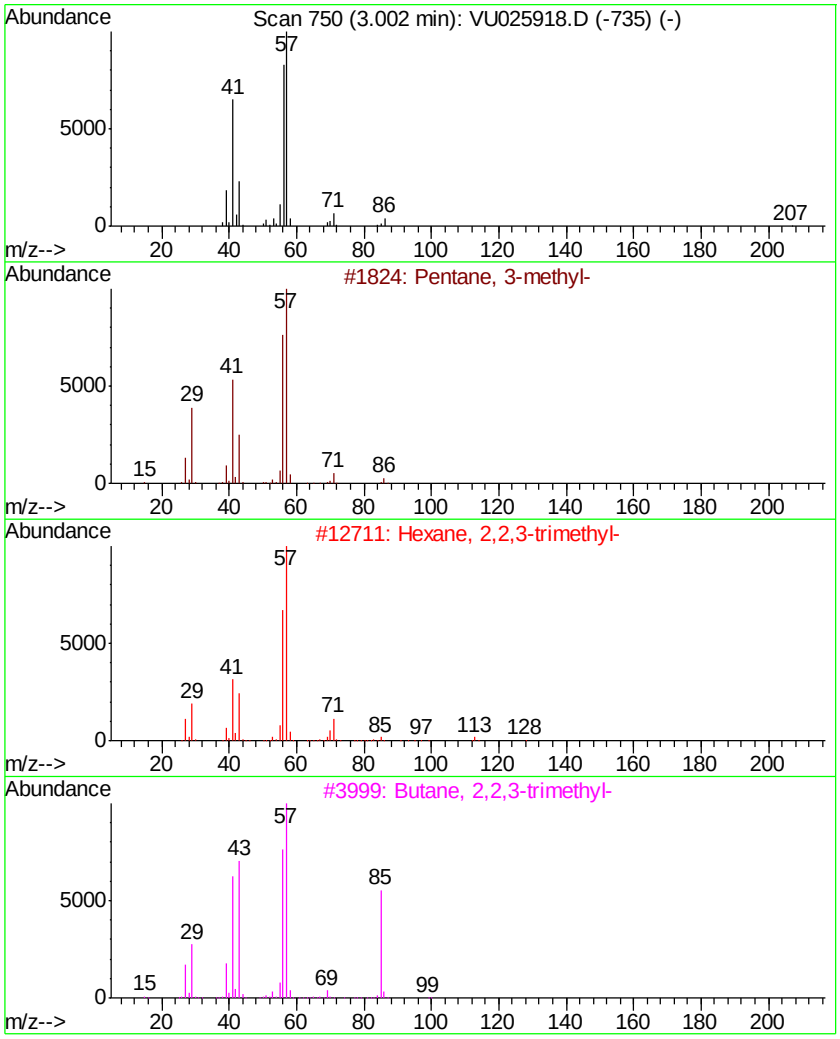
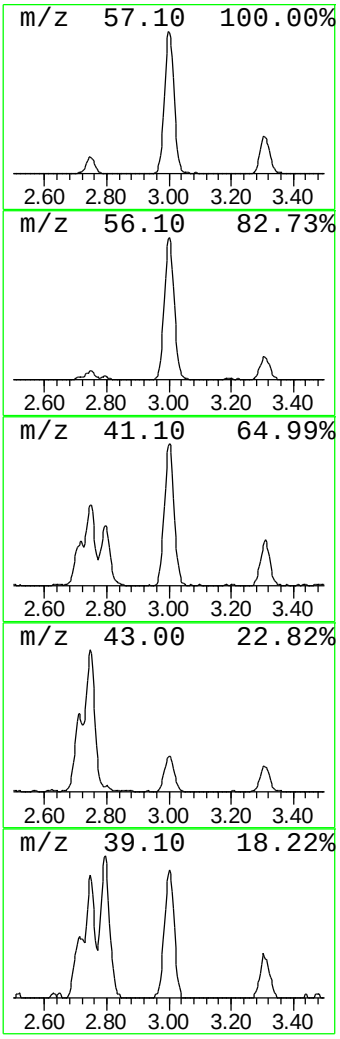
Peak Number 3 Pentane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.00	9.48 ug/l	162663	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	72
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025918.D
Acq On : 07 Aug 2018 04:38
Operator : MD/SY
Sample : J4344-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0534

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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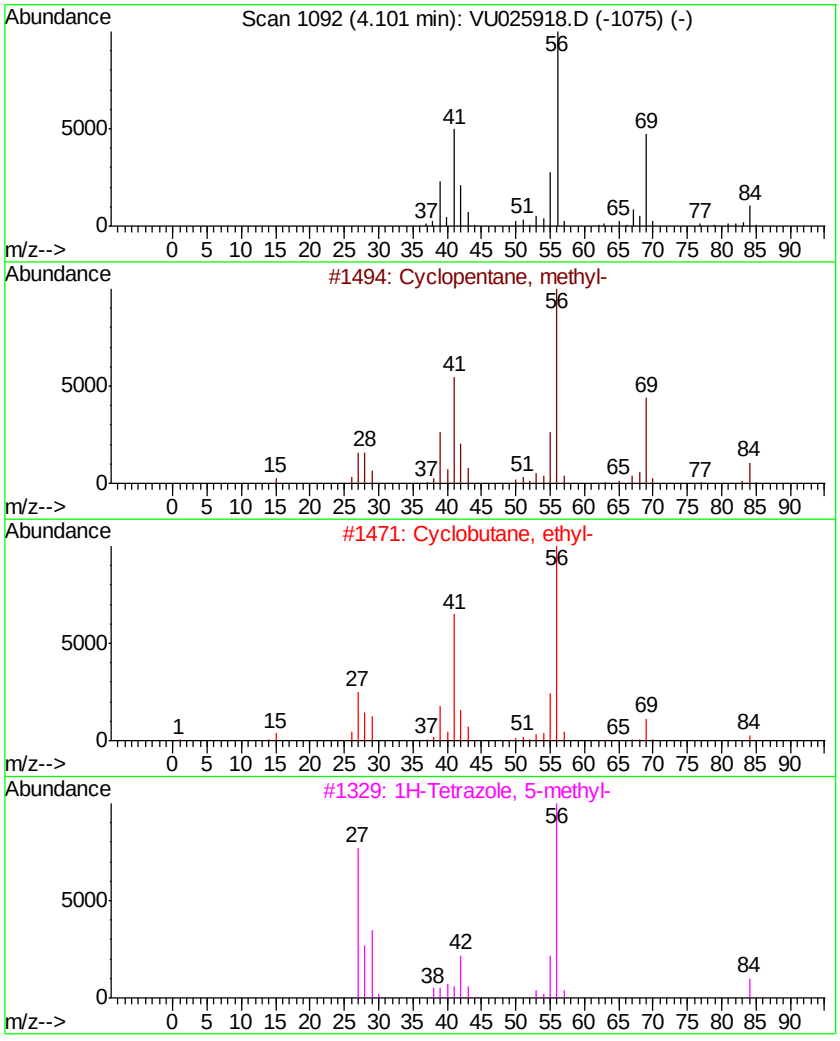
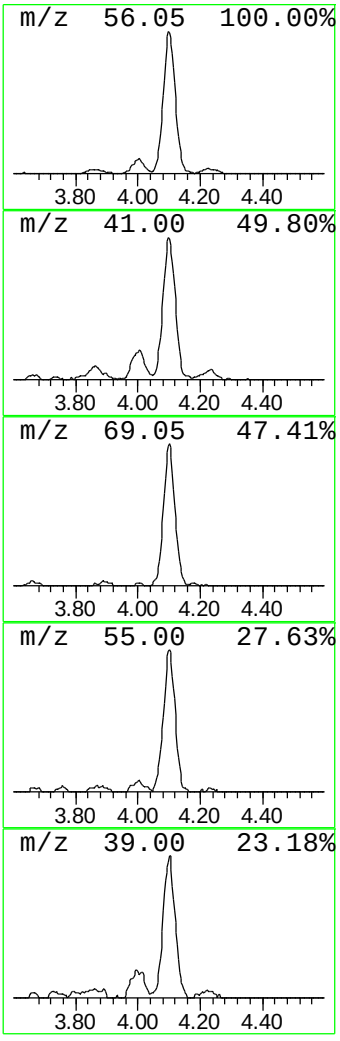
Peak Number 4 Cyclopentane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.10	11.39 ug/l	195545	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	50
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	50
5	Cyclopropane, propyl-	84	C6H12	002415-72-7	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025918.D
Acq On : 07 Aug 2018 04:38
Operator : MD/SY
Sample : J4344-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0534

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

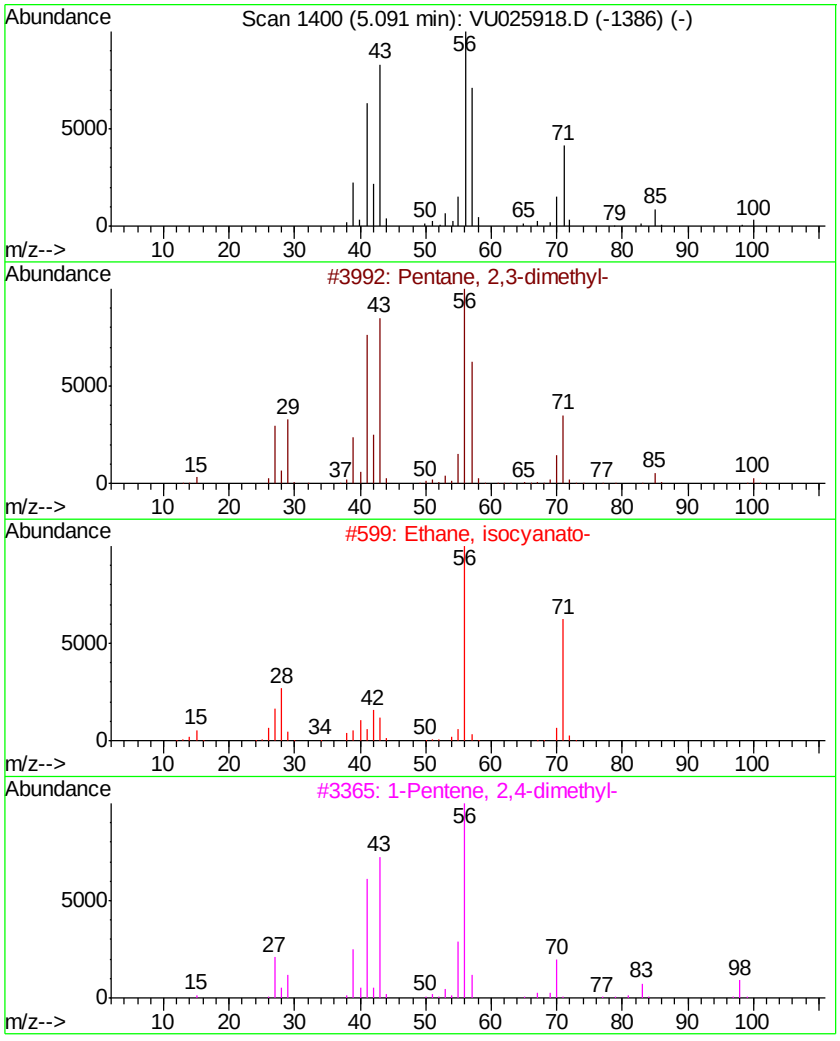
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

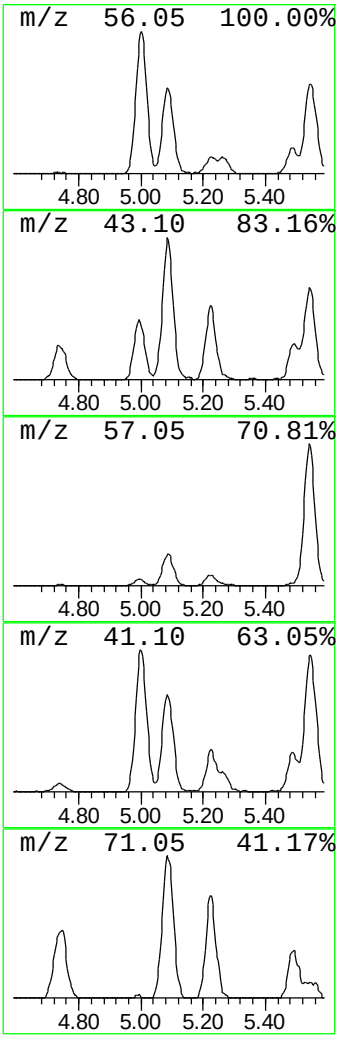
****

Peak Number 5 Pentane, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	10.81 ug/l	185537	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2	Ethane, isocyanato-	71	C3H5NO	000109-90-0	59
3	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	50
4	Hexyl octyl ether	214	C14H30O	017071-54-4	47
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	43





Library Search Compound Report

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Data File : VU025918.D
Acq On : 07 Aug 2018 04:38
Operator : MD/SY
Sample : J4344-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0534

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

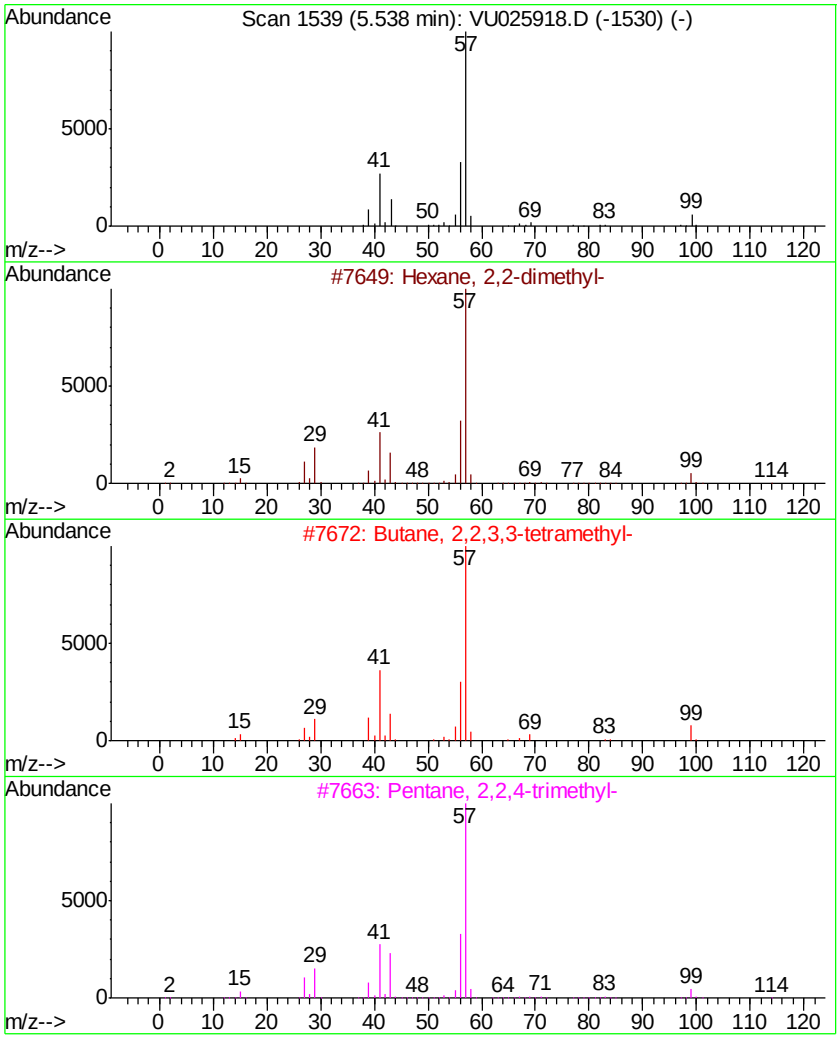
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

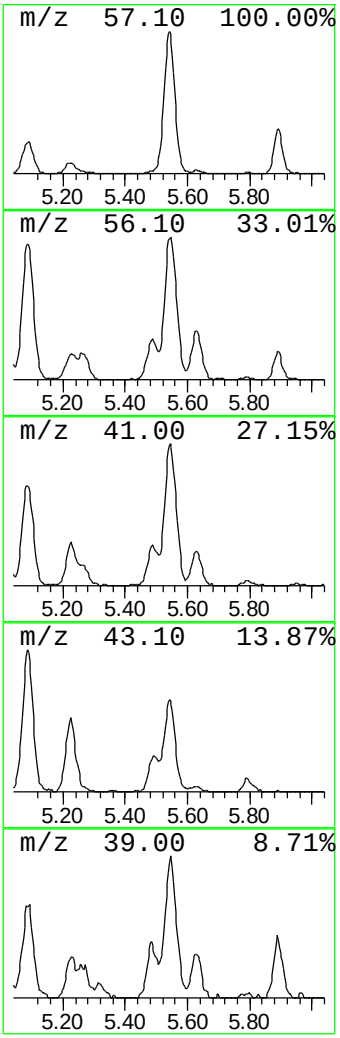
****

Peak Number 6 Hexane, 2,2-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	20.28 ug/l	303107	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59





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Sample : J4344-04
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ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0534

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

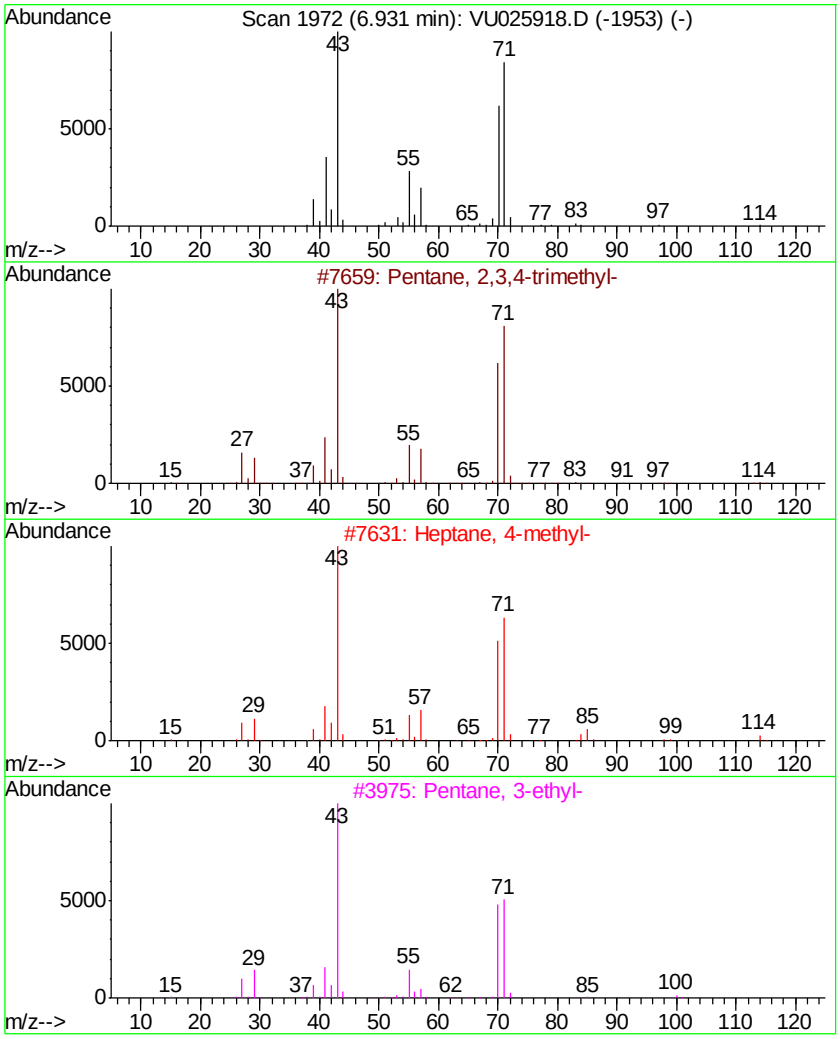
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

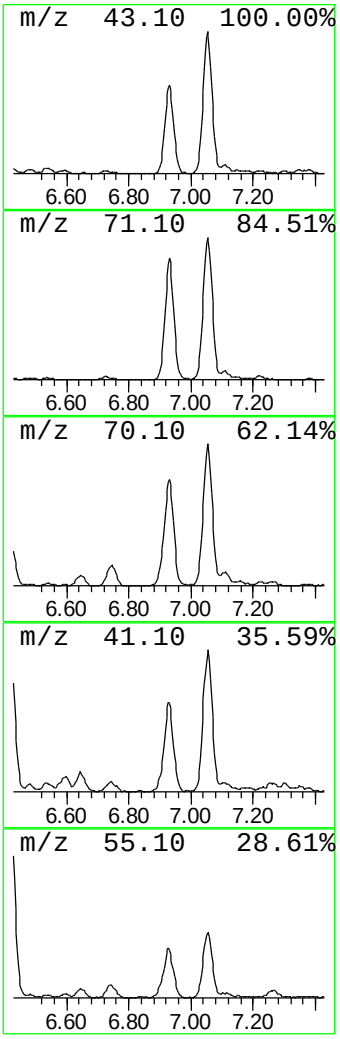
****

Peak Number 7 Pentane, 2,3,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	14.37 ug/l	214701	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
4	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	78
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78





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ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0534

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

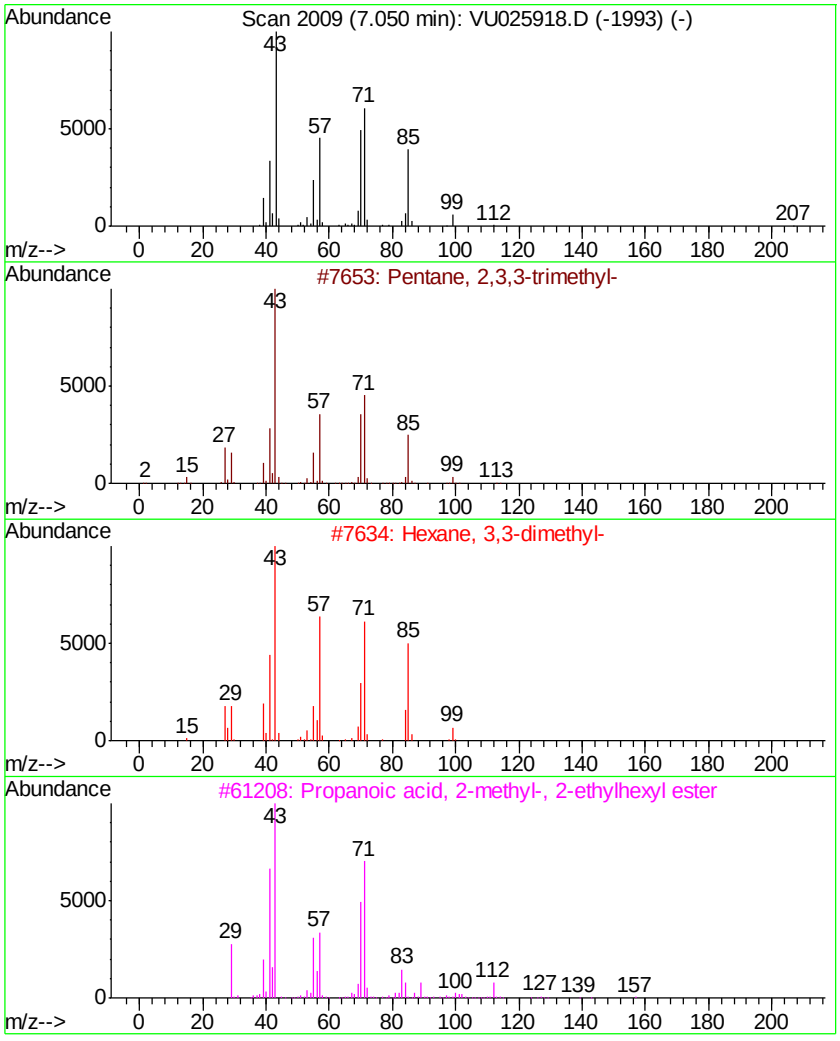
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

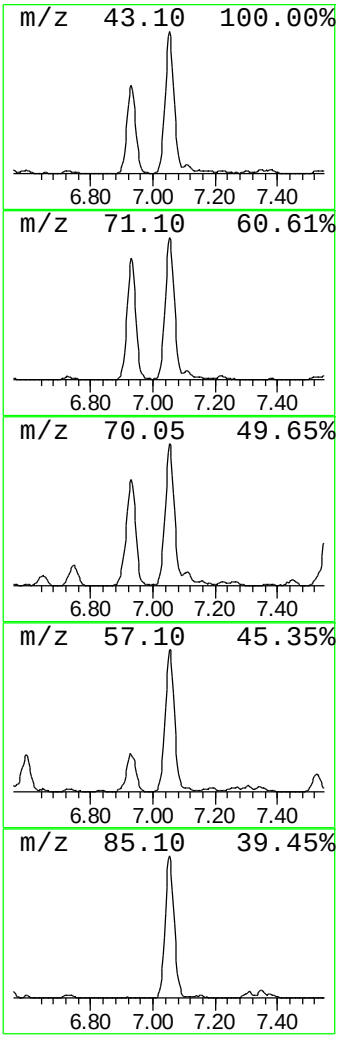
****

Peak Number 8 Pentane, 2,3,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	24.36 ug/l	364008	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	72
3	Propanoic acid, 2-methyl-, 2-eth...	200	C12H24O2	035061-61-1	53
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50





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ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0534

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

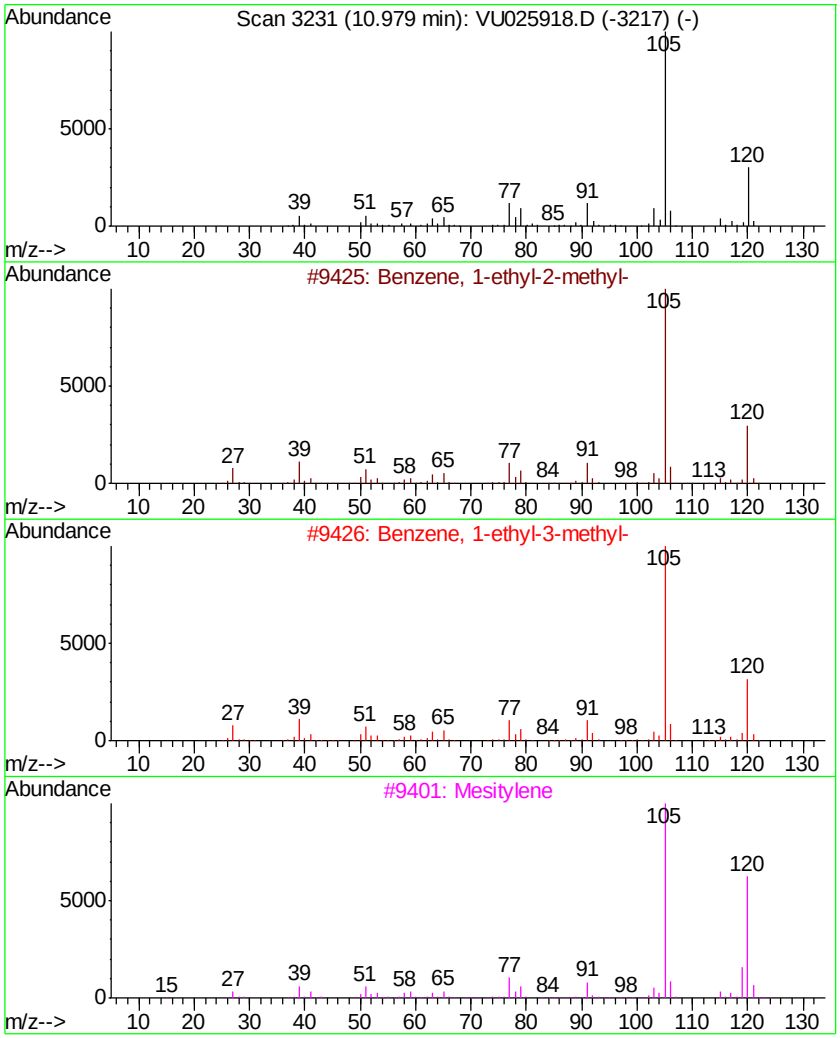
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

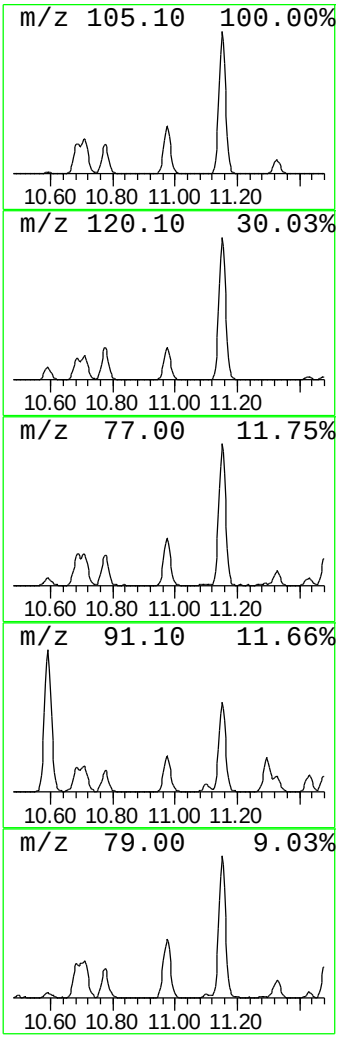
****

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	10.47 ug/l	262029	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	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





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ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
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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

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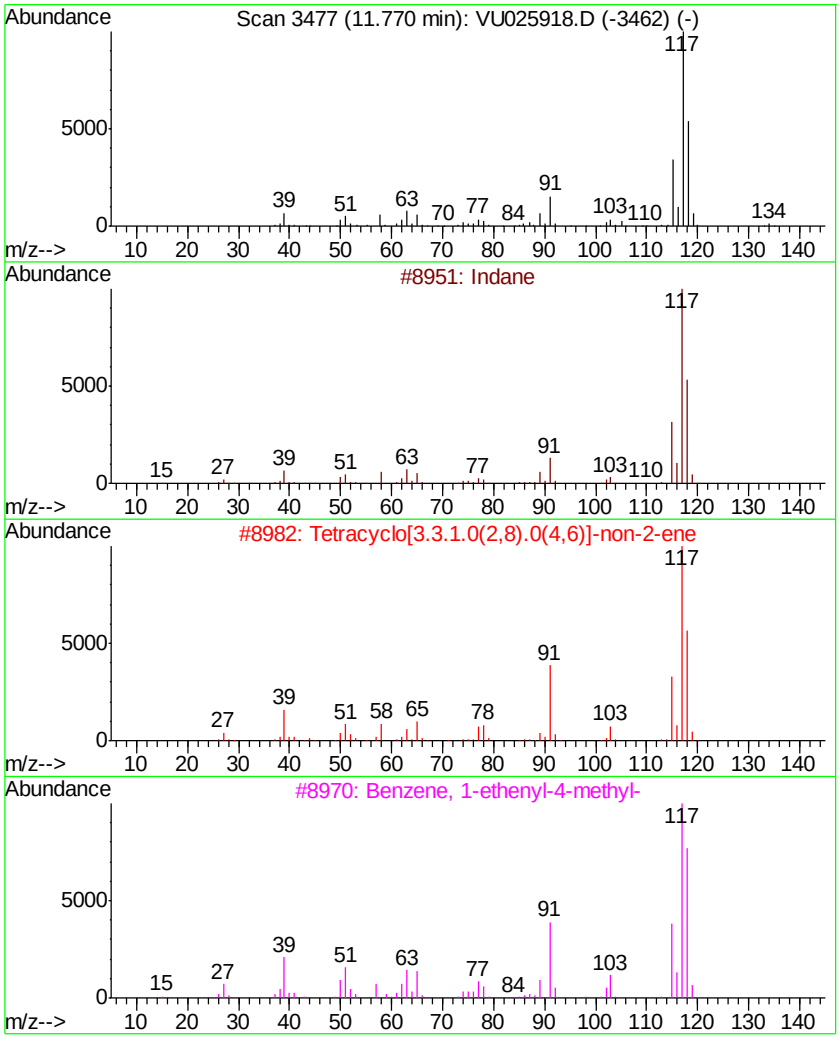
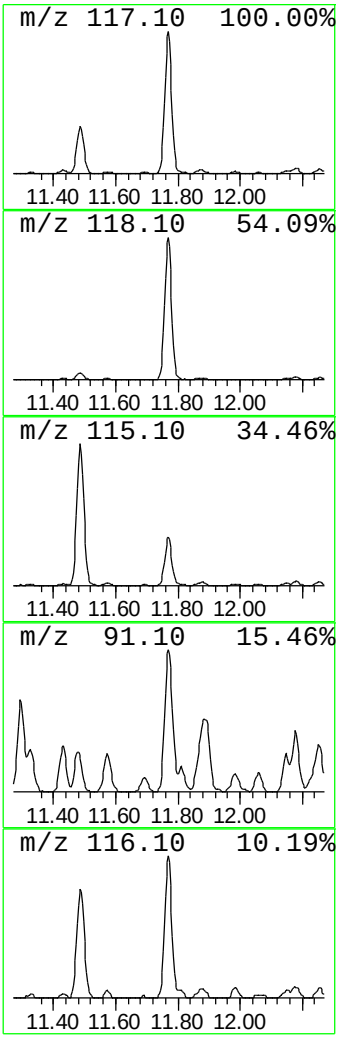
Peak Number 10 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	15.72 ug/l	393480	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	74
4	Deltacyclene	118	C9H10	007785-10-6	72
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025918.D
Acq On : 07 Aug 2018 04:38
Operator : MD/SY
Sample : J4344-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0534

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
Butane, 2-methyl-	1.76	9.8	ug/l	167776	1	4.99	858049	50.0
Pentane, 3-methyl-	3.00	9.5	ug/l	162663	1	4.99	858049	50.0
Cyclopentane, met...	4.10	11.4	ug/l	195545	1	4.99	858049	50.0
Pentane, 2,3-dime...	5.09	10.8	ug/l	185537	1	4.99	858049	50.0
Hexane, 2,2-dimet...	5.54	20.3	ug/l	303107	2	5.89	747135	50.0
Pentane, 2,3,4-tr...	6.93	14.4	ug/l	214701	2	5.89	747135	50.0
Pentane, 2,3,3-tr...	7.05	24.4	ug/l	364008	2	5.89	747135	50.0
Benzene, 1-ethyl-...	10.98	10.5	ug/l	262029	4	11.49	1251740	50.0
Indane	11.77	15.7	ug/l	393480	4	11.49	1251740	50.0