LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028295.D
Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMUTR111718WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.685	151	159	177	rVB2	58322	108743	1.58%	0.499%
2	2.277	332	343	353	rBV	99136	153665	2.23%	0.704%
3	4.196	924	940	986	rBV	97004	292614	4.24%	1.341%
4	4.653	1065	1082	1098	rBV	92766	207983	3.01%	0.954%
5	5.254	1251	1269	1281	rBV2	152887	379606	5.50%	1.740%
6	5.341	1281	1296	1304	rVV4	171539	477132	6.92%	2.187%
7	5.389	1306	1311	1325	rVV	124603	235972	3.42%	1.082%
8	5.479	1326	1339	1350	rVV3	86389	191730	2.78%	0.879%
9	5.553	1350	1362	1376	rVB	61410	135304	1.96%	0.620%
10	5.887	1451	1466	1491	rBV2	183053	358709	5.20%	1.645%
11	6.334	1591	1605	1616	rBV	120317	241876	3.51%	1.109%
12	6.871	1752	1772	1797	rBV2	33388	82907	1.20%	0.380%
13	7.231	1872	1884	1905	rBV4	52131	132224	1.92%	0.606%
14	7.566	1971	1988	2001	rBV	208924	368666	5.34%	1.690%
15	7.710	2021	2033	2048	rBV5	43887	82664	1.20%	0.379%
16	7.858	2069	2079	2090	rBV4	43178	85805	1.24%	0.393%
17	8.315	2205	2221	2250	rBV	340116	644211	9.34%	2.953%
18	8.646	2313	2324	2348	rVB	513480	869364	12.60%	3.986%
19	9.090	2450	2462	2477	rBV	271148	454884	6.59%	2.085%
20	9.186	2477	2492	2507	rVB2	77671	149467	2.17%	0.685%
21	9.296	2513	2526	2538	rBV	4635010	6899482	100.00%	31.631%
22	9.363	2538	2547	2577	rVV2	598225	1061658	15.39%	4.867%
23	9.566	2599	2610	2623	rVB3	61509	103213	1.50%	0.473%
24	10.167	2782	2797	2820	rBV	1799750	2753943	39.92%	12.626%
25	10.431	2868	2879	2900	rVB2	89683	149707	2.17%	0.686%
26	10.588	2915	2928	2950	rBV	165741	294368	4.27%	1.350%
27	11.099	3070	3087	3093	rBV3	42921	75965	1.10%	0.348%
28	11.148	3093	3102	3114	rVB	230947	349538	5.07%	1.602%
29	11.292	3126	3147	3150	rBV	60751	102375	1.48%	0.469%
30	11.324	3150	3157	3174	rVB	203359	323271	4.69%	1.482%
31	11.479	3192	3205	3226	rVB3	374591	706720	10.24%	3.240%
32	11.688	3258	3270	3279	rBV2	88742	140798	2.04%	0.645%
33	11.765	3279	3294	3310	rVV2	850803	1522555	22.07%	6.980%
34	11.861	3312	3324	3341	rVB2	280525	468532	6.79%	2.148%

LSC Area Percent Report

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Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMUTR111718WMA.M
Title : TRACE VOA SOM01.0

35	12.286	3439	3456	3466	rBV2	119532	202500	2.94%	0.928%
36	12.353	3466	3477	3496	rVB2	322931	603288	8.74%	2.766%
37	12.537	3525	3534	3549	rVB2	42869	71494	1.04%	0.328%
38	13.122	3705	3716	3728	rBV2	94282	146287	2.12%	0.671%
39	13.289	3754	3768	3782	rBV	112408	183240	2.66%	0.840%

Sum of corrected areas: 21812460

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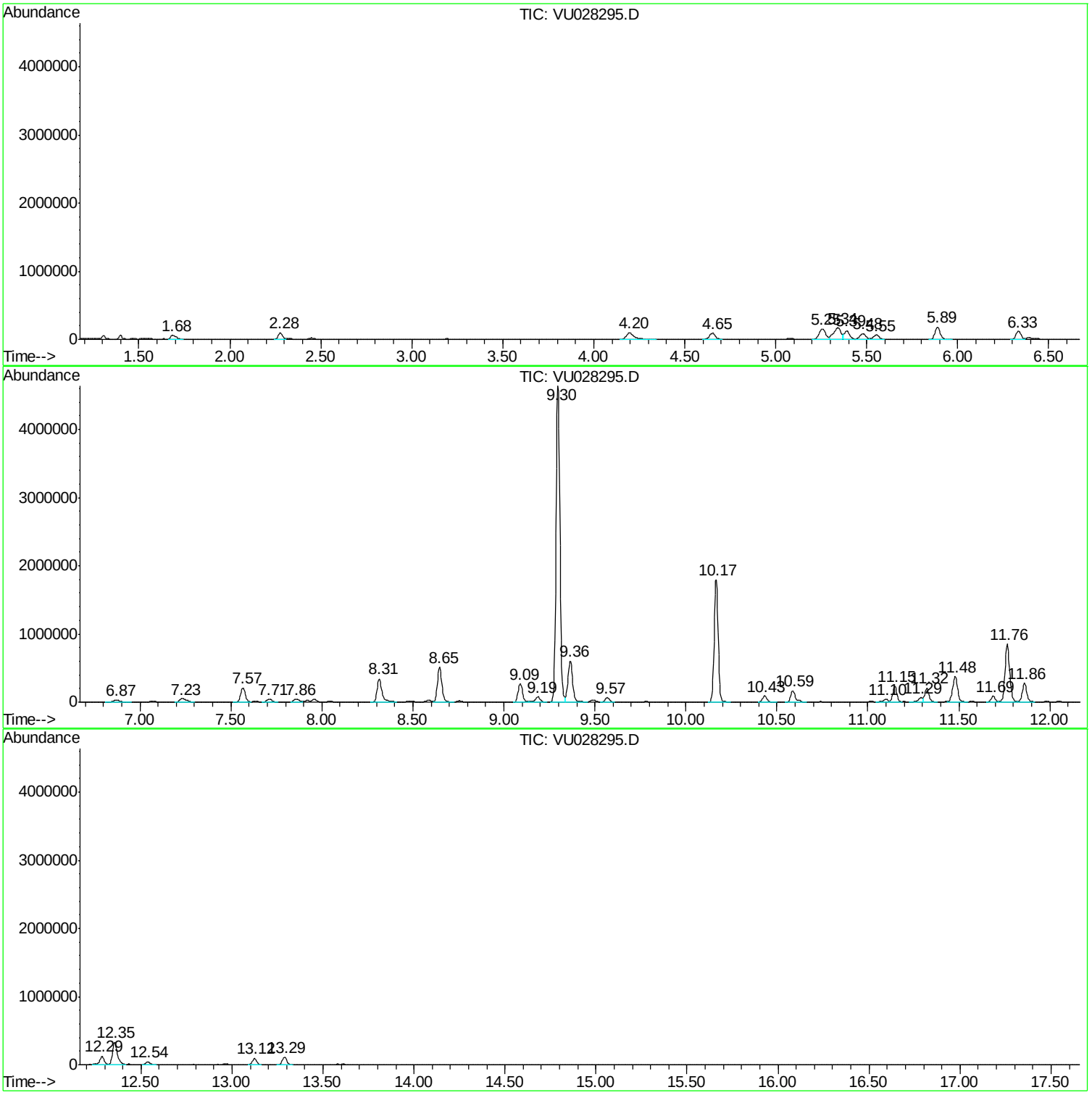
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

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ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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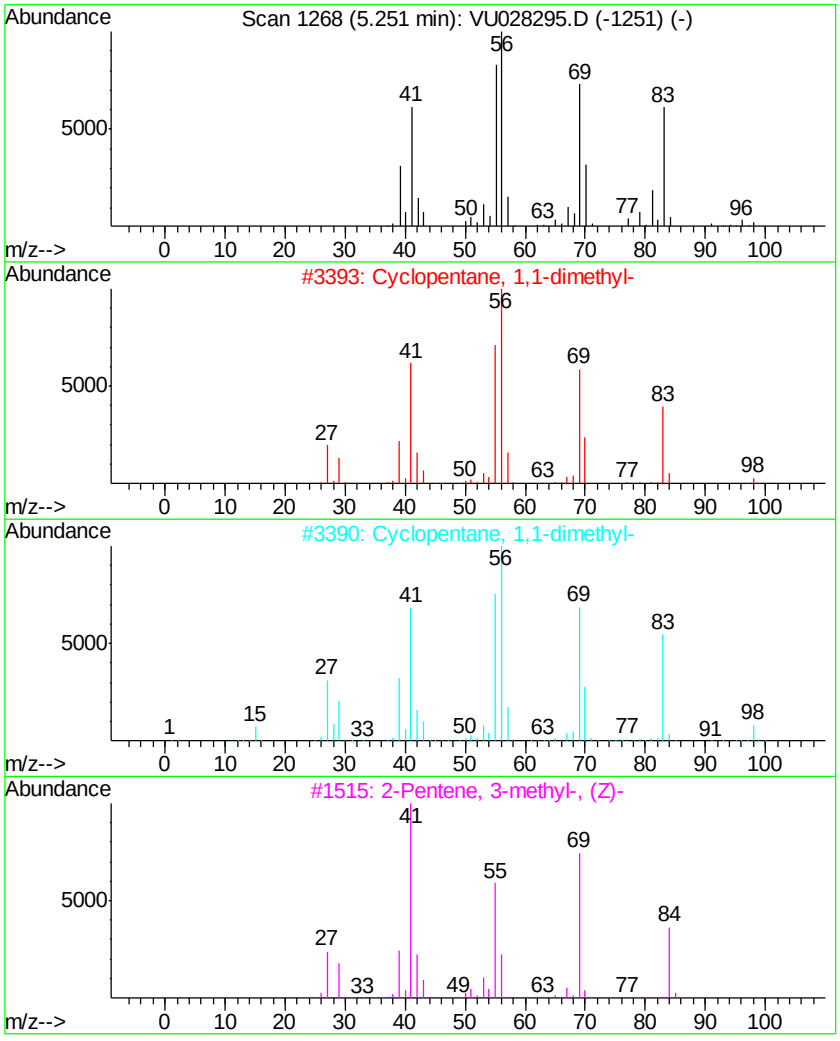
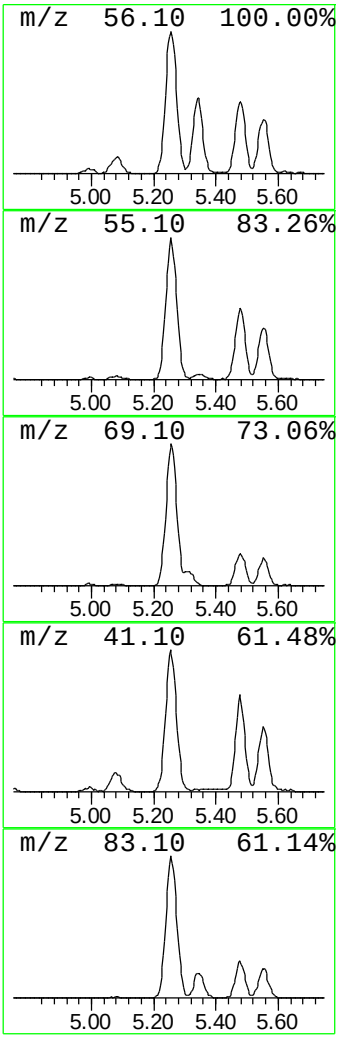
Peak Number 1 (DEL) Alkane: Cyclic5.25 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.25	5.29 ug/L	379606	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	87
2	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	86
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	43
4	5-Methyl-2-hexene,c&t	98	C7H14	003404-62-4	38
5	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	38





Library Search Compound Report

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Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

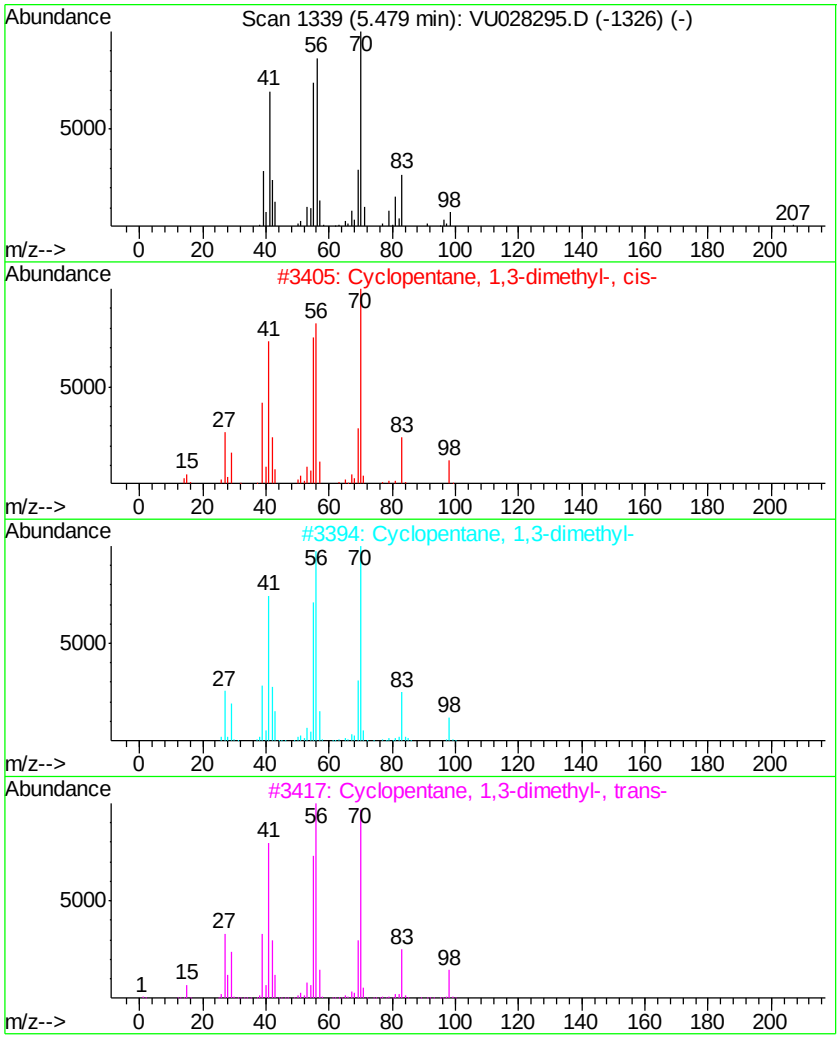
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

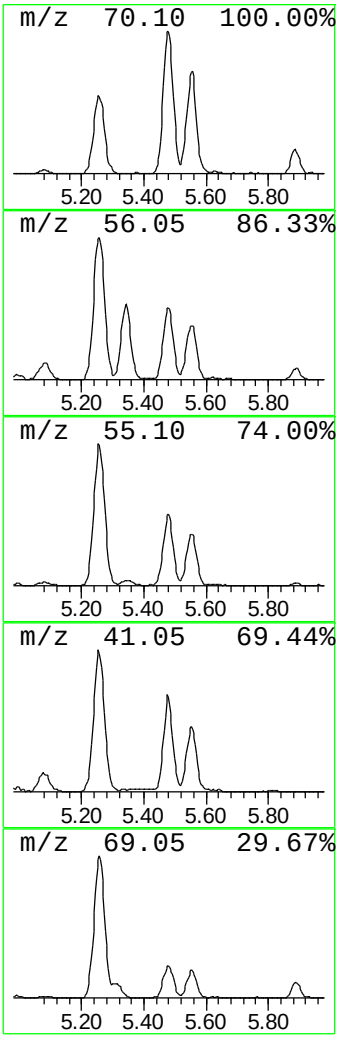
****

Peak Number 2 (DEL) Alkane: Cyclic5.48 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.48	2.67 ug/L	191730	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	91
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	87
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	83
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028295.D
Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

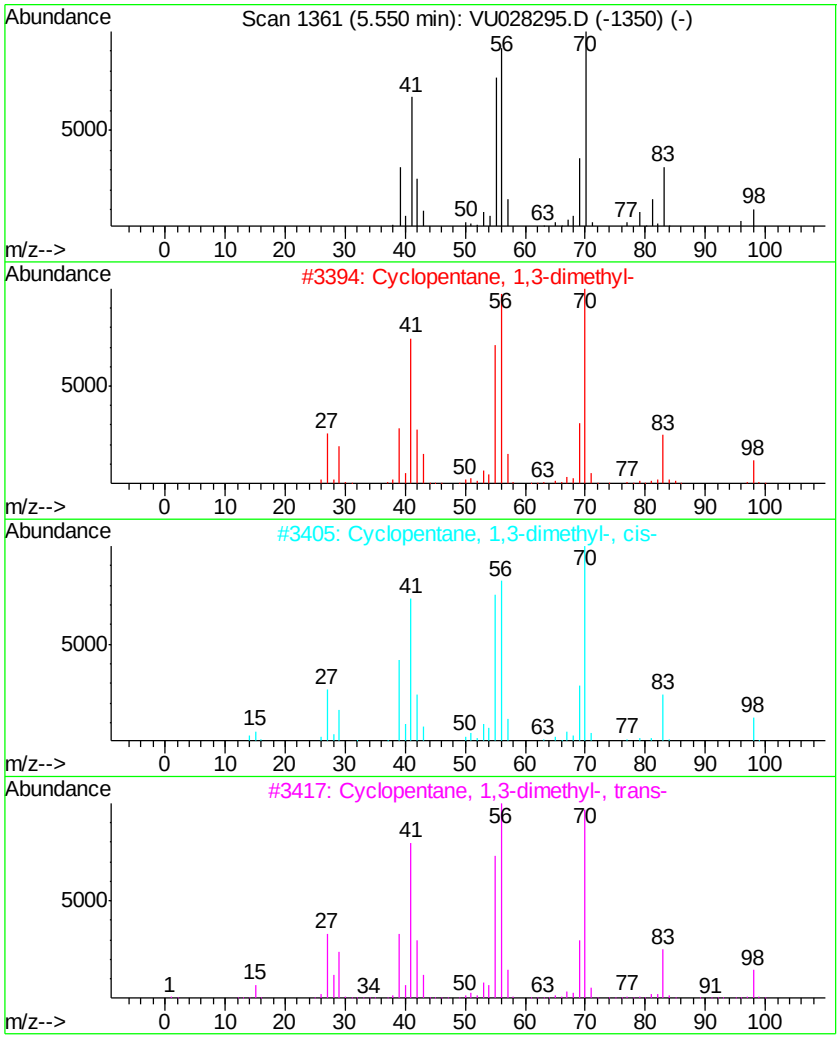
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

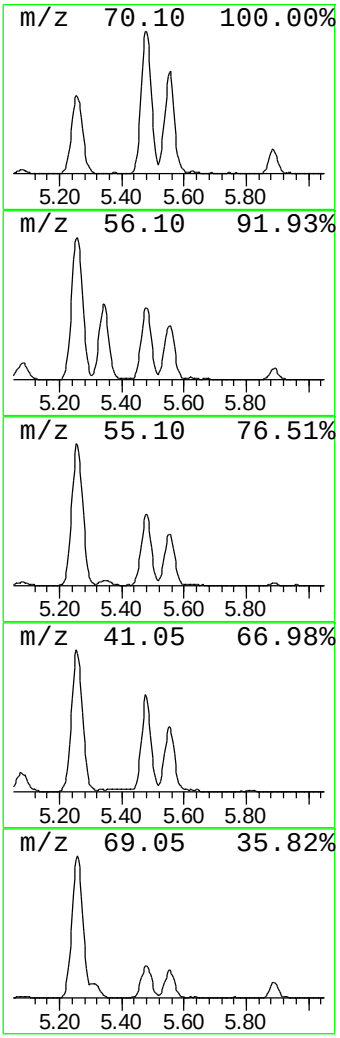
****

Peak Number 3 (DEL) Alkane: Cyclic5.55 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.55	1.89 ug/L	135304	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	95
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	90
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	86





Library Search Compound Report

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Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

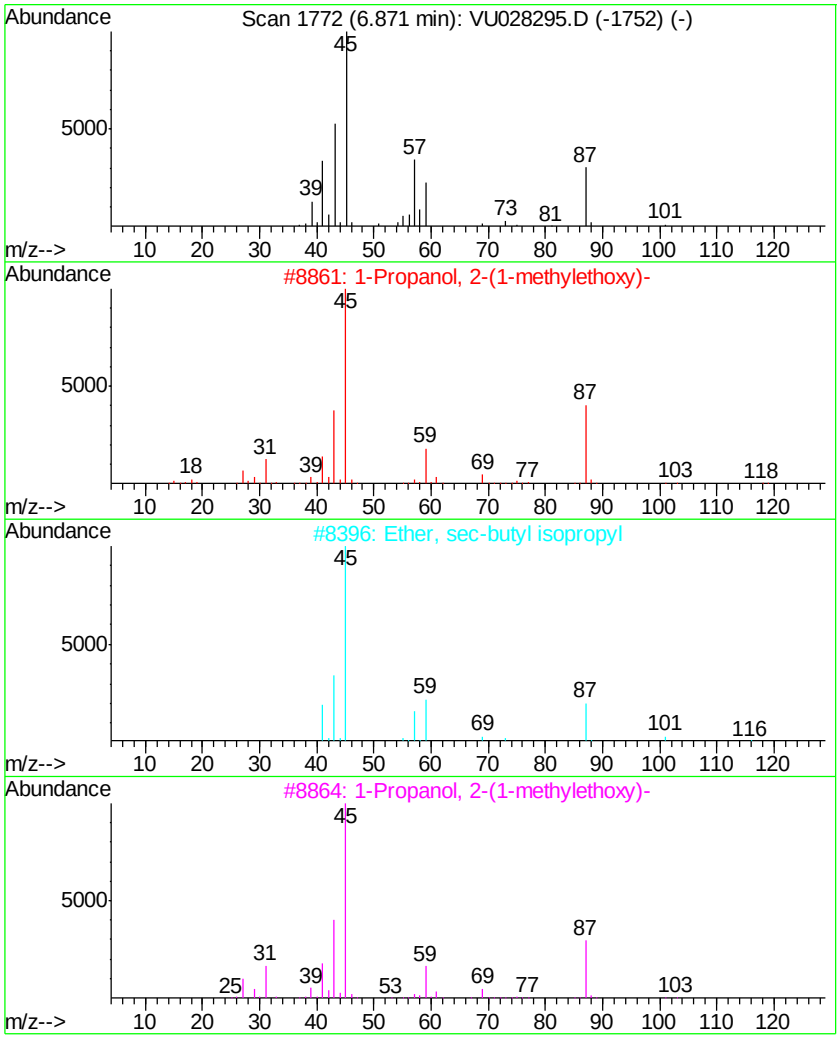
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

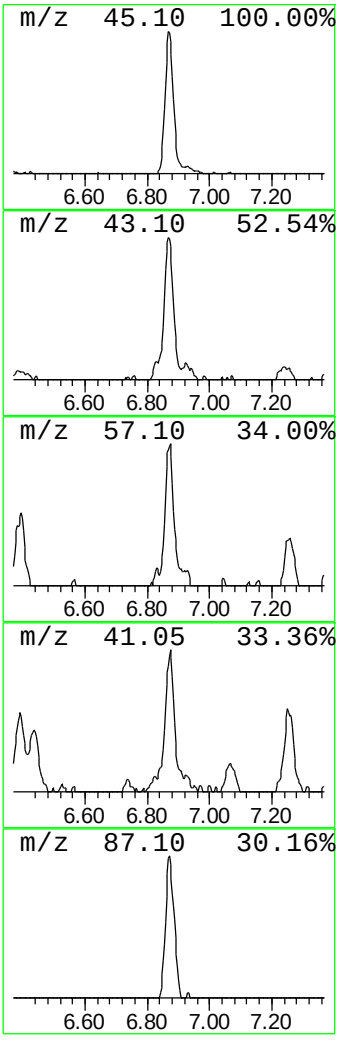
****

Peak Number 4 1-Propanol, 2-(1-methyletho... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	1.16 ug/L	82907	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	72
2	Ether, sec-butyl isopropyl	116	C7H16O	018641-81-1	64
3	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	56
4	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	40
5	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	40





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ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

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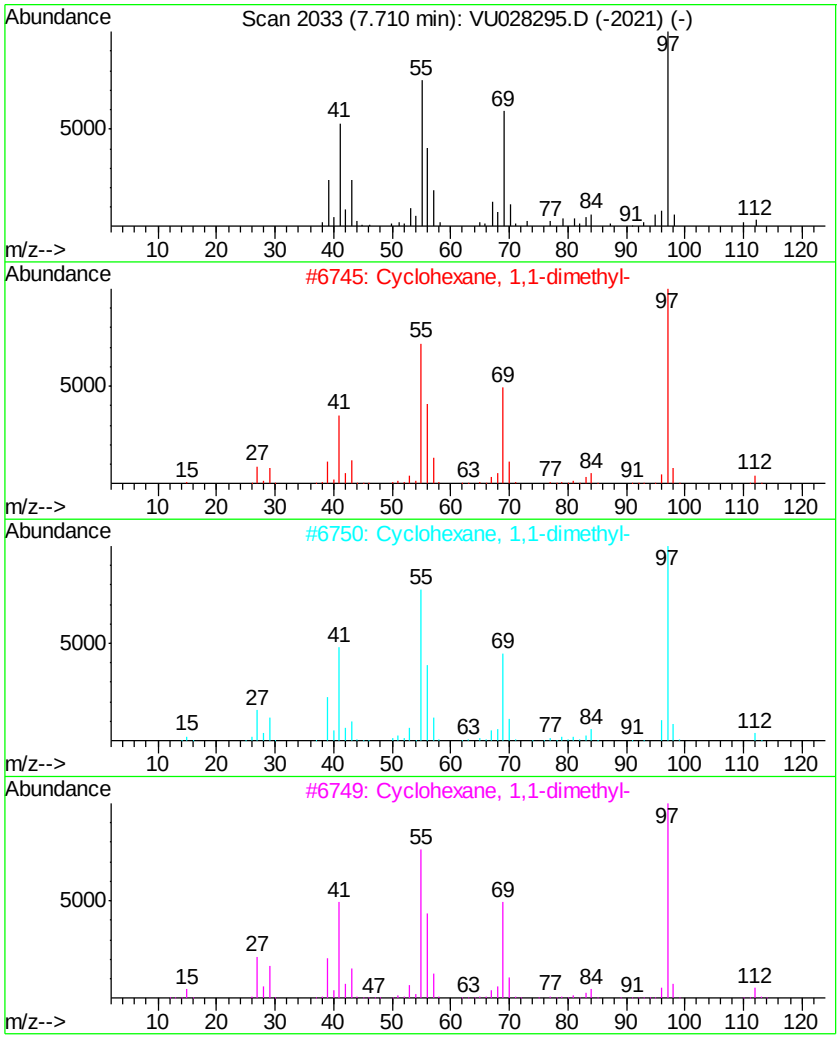
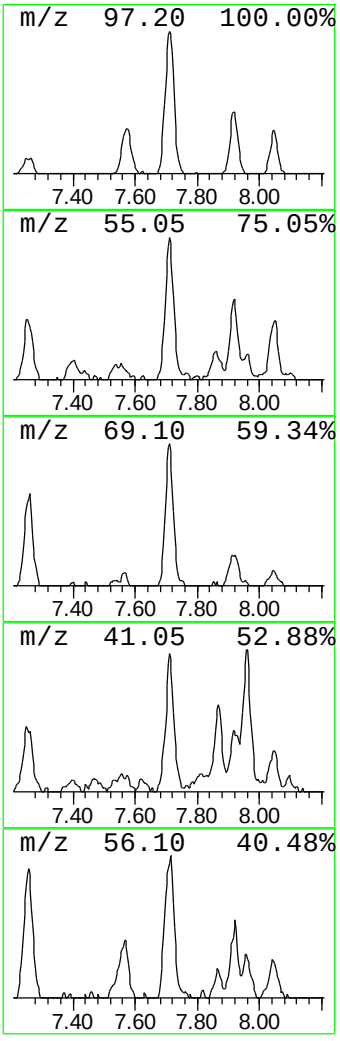
****

Peak Number 6 (DEL) Alkane: Cyclic7.71 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	0.91 ug/L	82664	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	91
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	91
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	91
4	Cycloheptane, bromo-	176	C7H13Br	002404-35-5	47
5	Cyclopentanecarboxylic acid, eth...	140	C8H12O2	016523-06-1	43





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ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

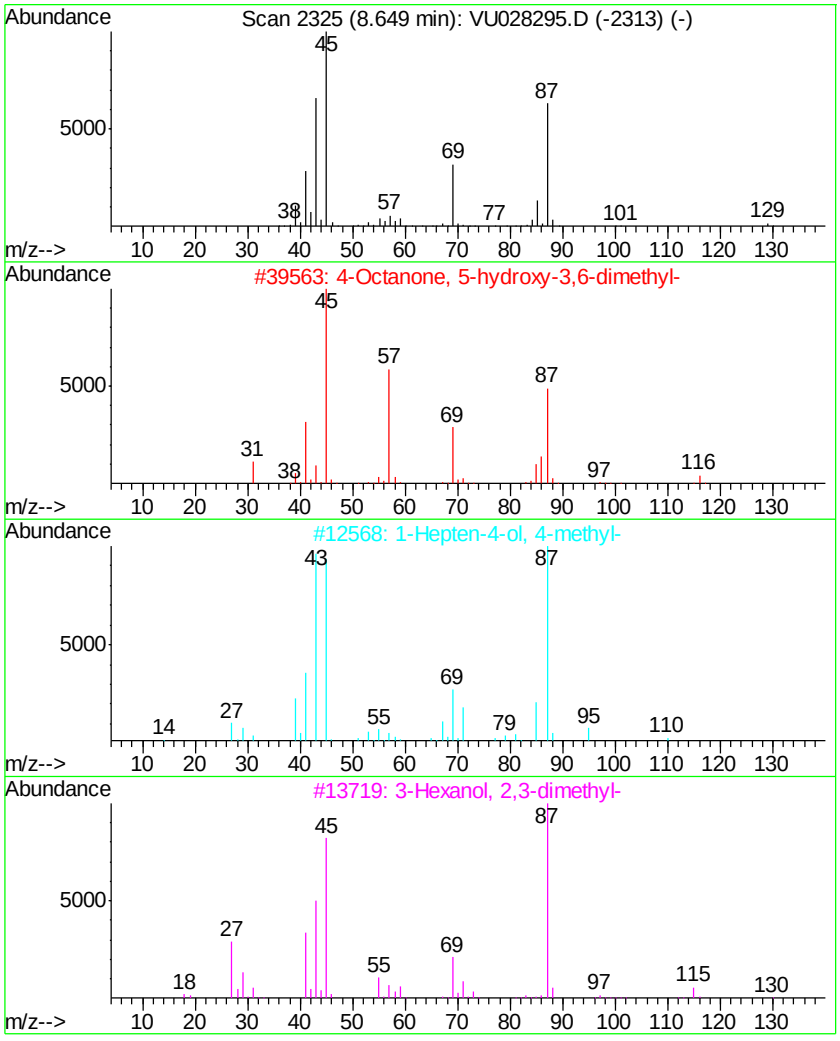
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

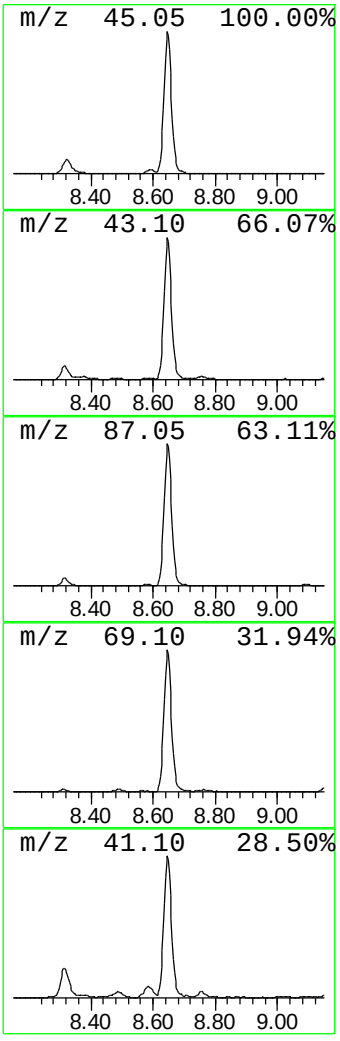
****

Peak Number 7 4-Octanone, 5-hydroxy-3,6-d... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	9.56 ug/L	869364	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octanone, 5-hydroxy-3,6-dimethyl-	172	C10H20O2	062759-47-1	83
2	1-Hepten-4-ol, 4-methyl-	128	C8H16O	001186-31-8	78
3	3-Hexanol, 2,3-dimethyl-	130	C8H18O	004166-46-5	72
4	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	72
5	3-Hexanol, 2,3-dimethyl-	130	C8H18O	004166-46-5	56





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TIC Library : C:\DATABASE\NIST11.L
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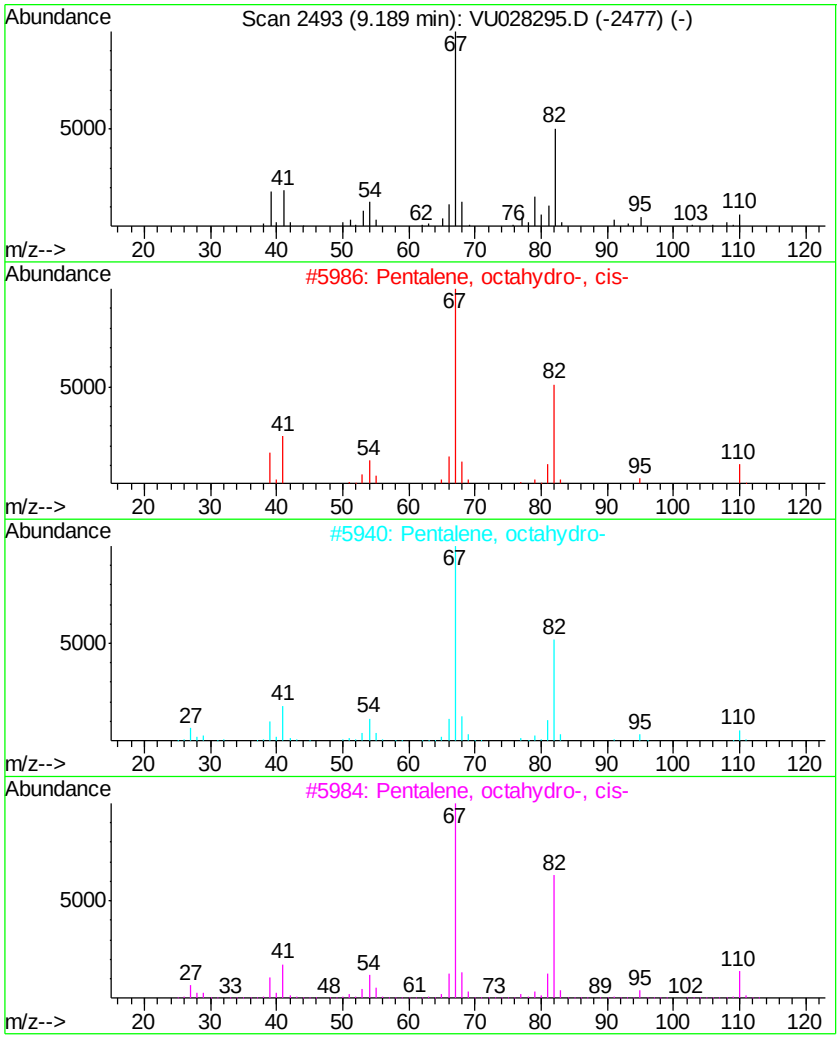
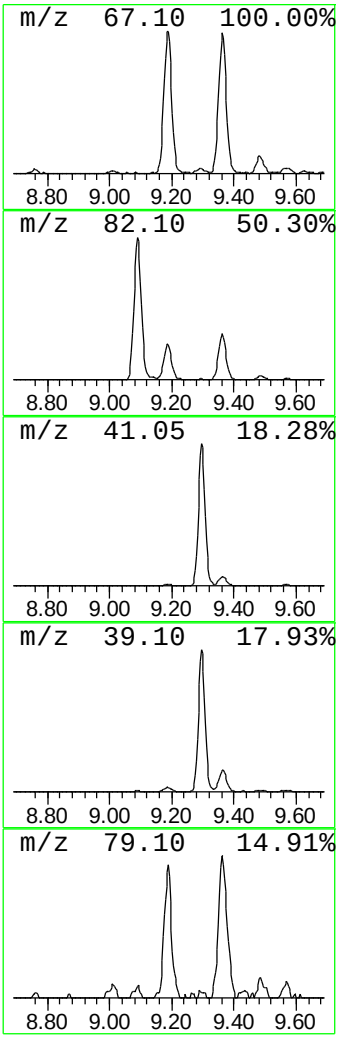
****

Peak Number 8 Pentalene, octahydro-, cis- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	1.64 ug/L	149467	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	90
2	Pentalene, octahydro-	110	C8H14	000694-72-4	90
3	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	78
4	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	72
5	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	64





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ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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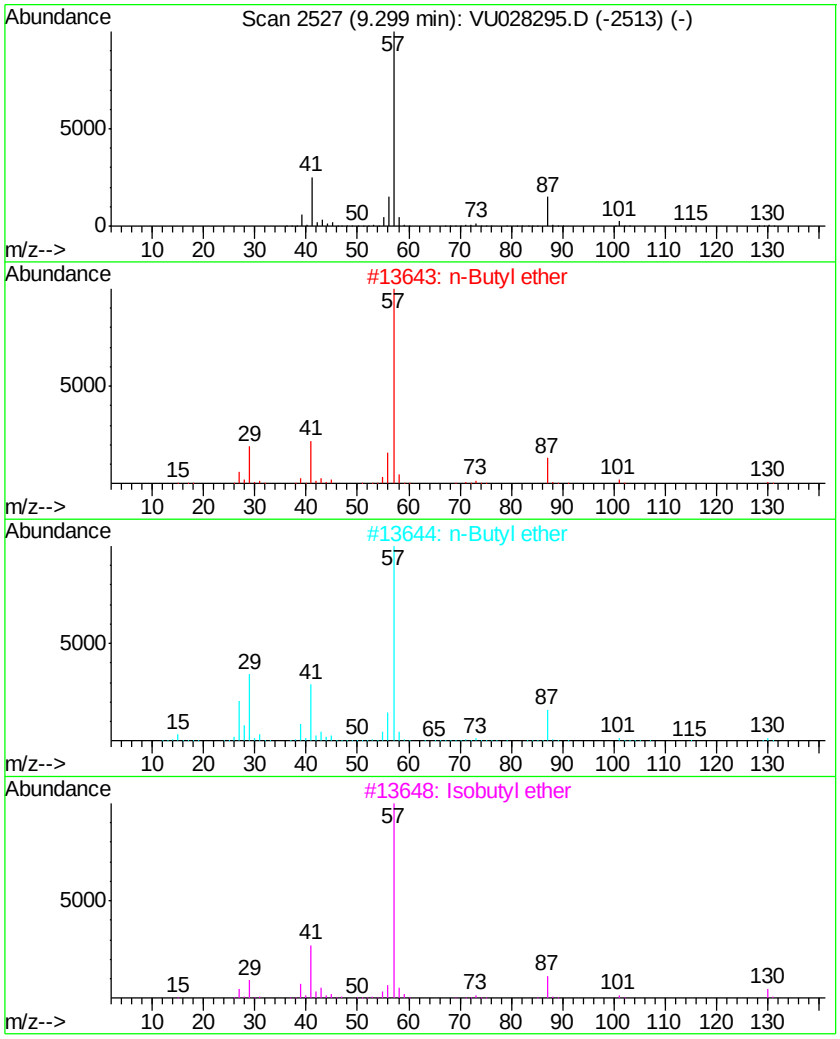
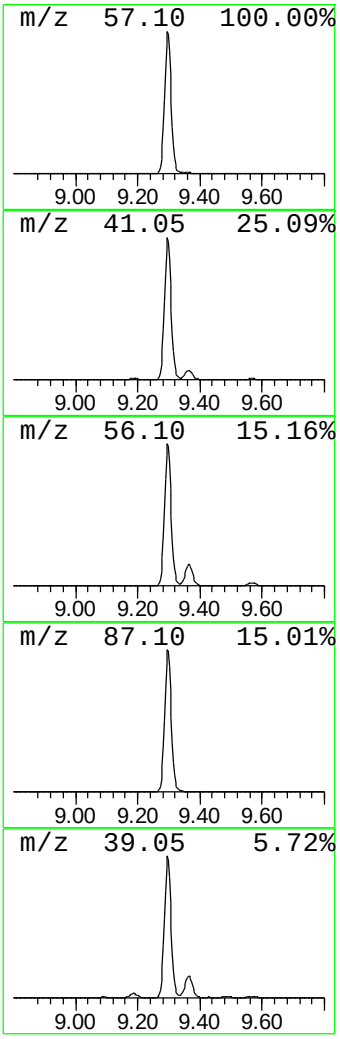
Peak Number 9 n-Butyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	75.84 ug/L	6899480	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Butyl ether	130	C8H18O	000142-96-1	78
2	n-Butyl ether	130	C8H18O	000142-96-1	72
3	Isobutyl ether	130	C8H18O	000628-55-7	64
4	n-Butyl ether	130	C8H18O	000142-96-1	53
5	Sulfurous acid, dibutyl ester	194	C8H18O3S	000626-85-7	53





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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028295.D
Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

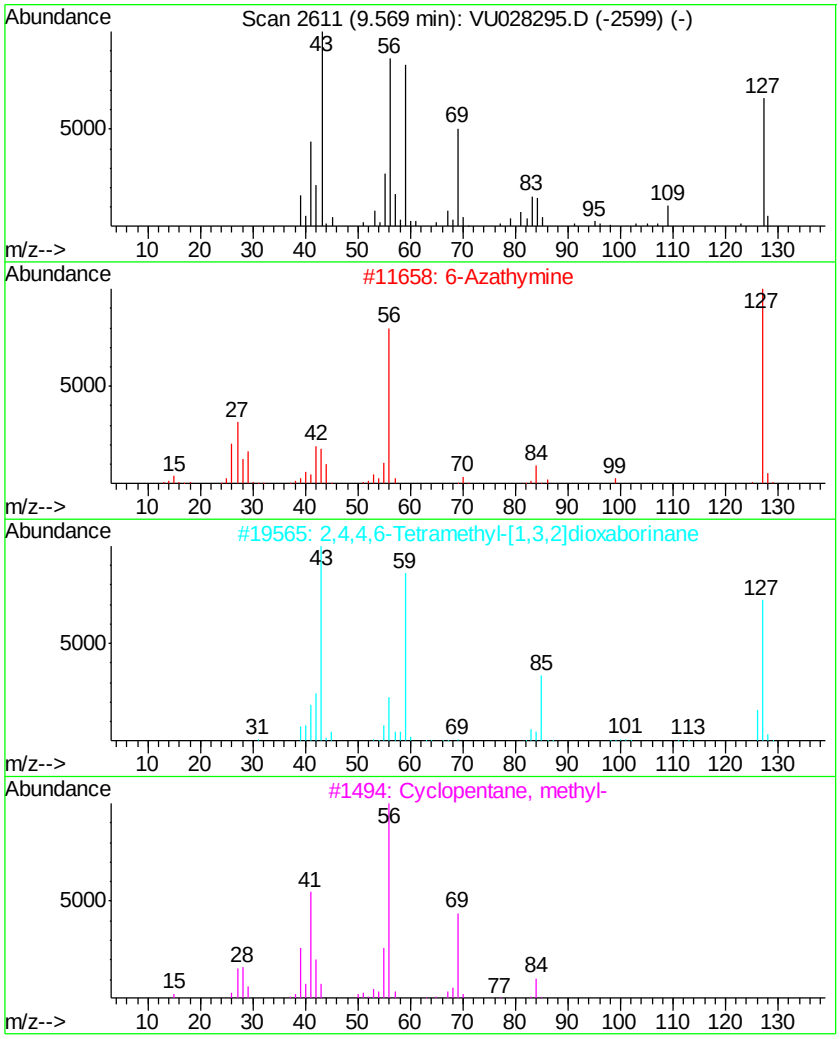
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

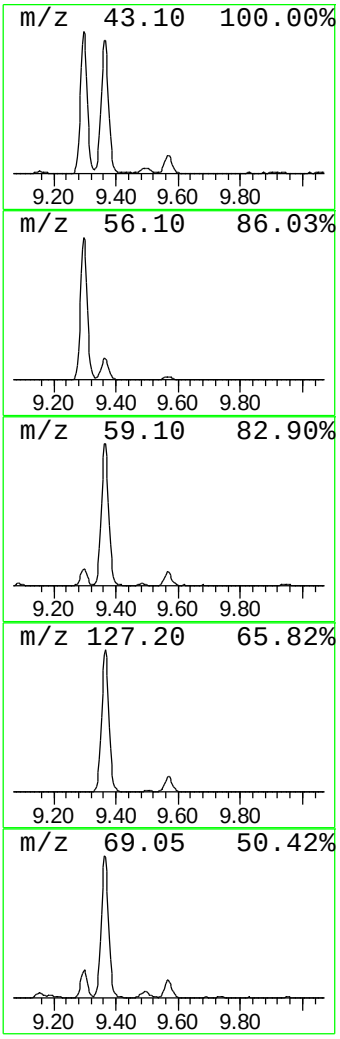
****

Peak Number 10 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	1.13 ug/L	103213	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Azathymine	127	C4H5N3O2	000932-53-6	43
2	2,4,4,6-Tetramethyl-[1,3,2]dioxa...	142	C7H15BO2	211613-23-9	40
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	38
4	Nonyl chloroformate	206	C10H19ClO2	057045-82-6	35
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028295.D
Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

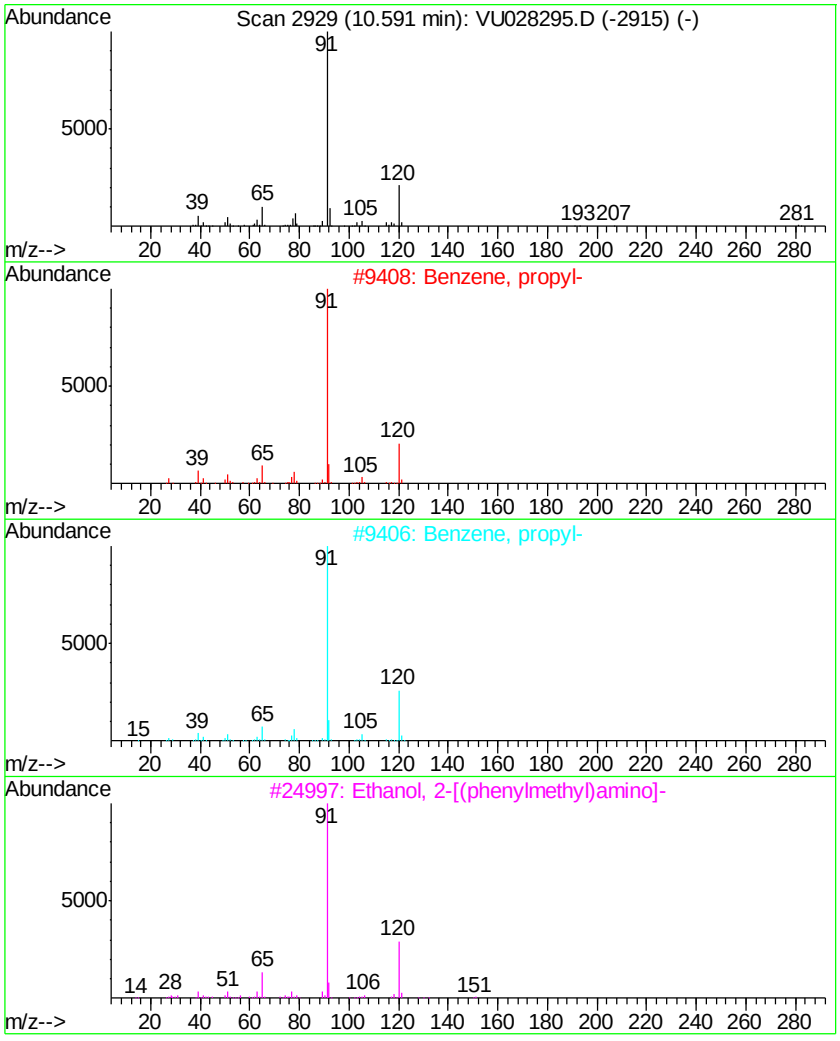
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

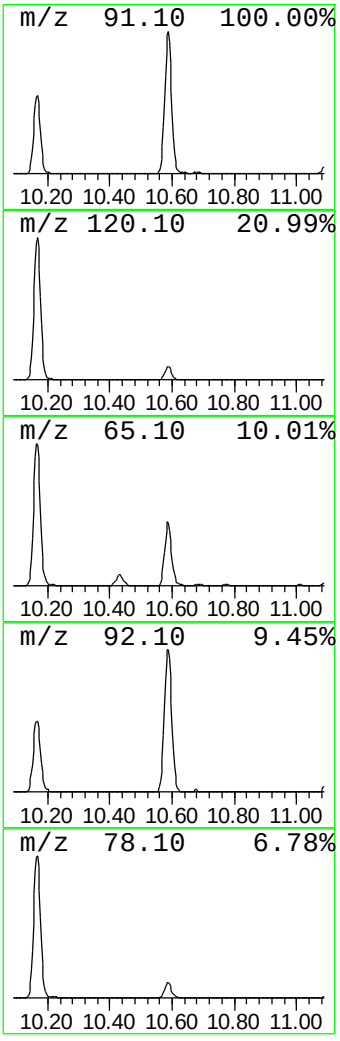
****

Peak Number 11 Benzene, propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	2.08 ug/L	294368	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	83
3	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	78
4	1-Benzylamino-2-benzyloxyethane	241	C16H19NO	038336-06-0	53
5	Benzeneacetaldehyde	120	C8H8O	000122-78-1	49





Library Search Compound Report

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Data File : VU028295.D
Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

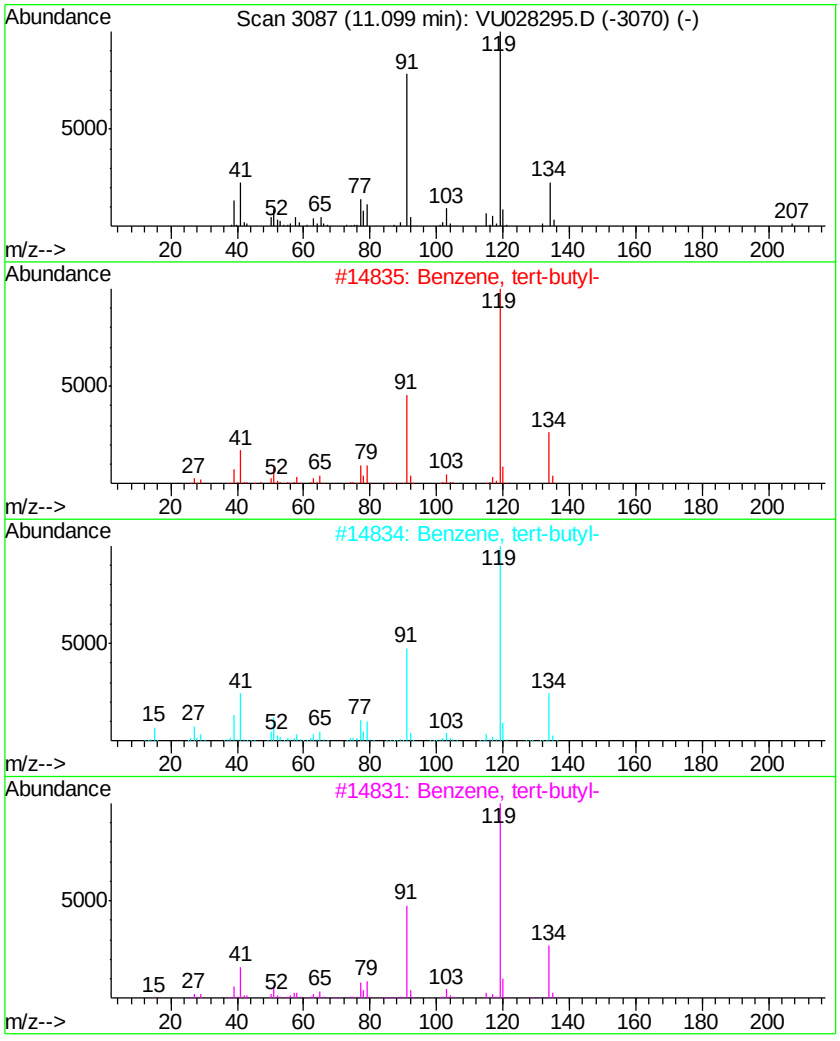
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

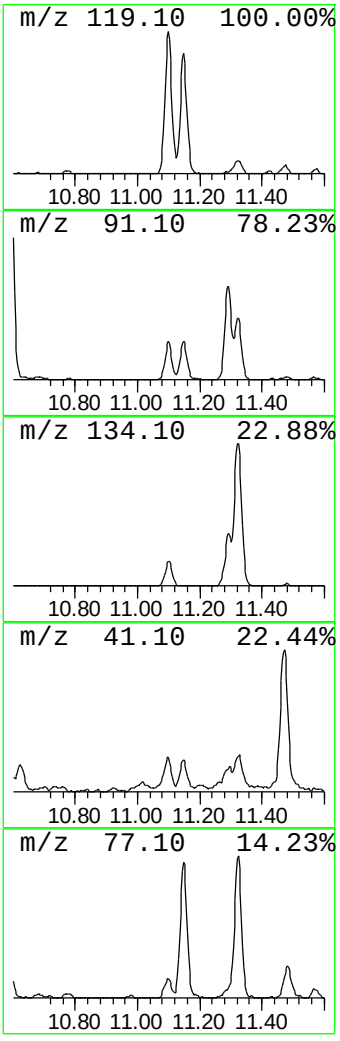
****

Peak Number 12 Benzene, tert-butyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	0.54 ug/L	75965	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, tert-butyl-	134	C10H14	000098-06-6	91
2	Benzene, tert-butyl-	134	C10H14	000098-06-6	90
3	Benzene, tert-butyl-	134	C10H14	000098-06-6	87
4	p-Cymene	134	C10H14	000099-87-6	74
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028295.D
Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

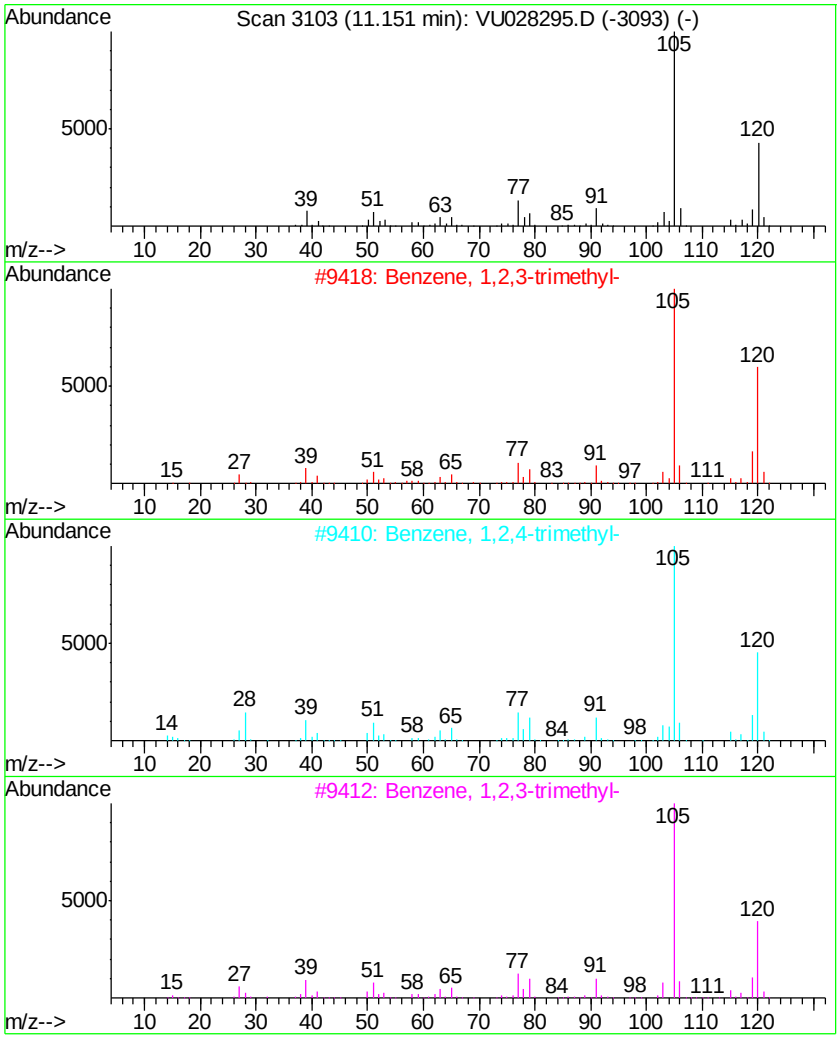
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

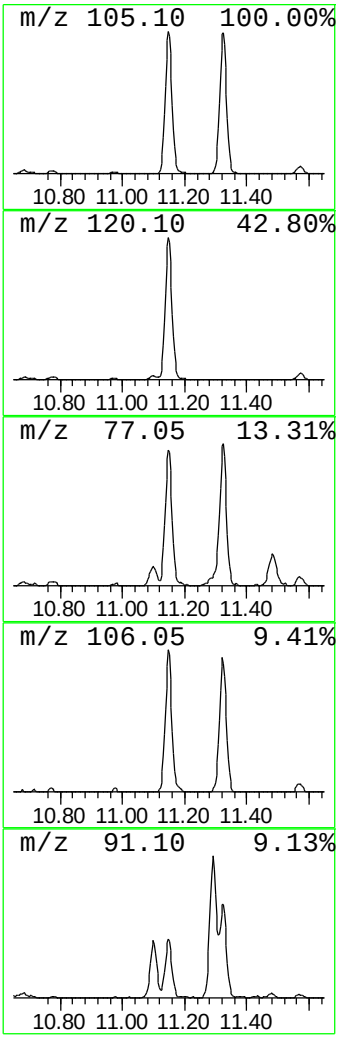
****

Peak Number 13 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	2.47 ug/L	349538	1,4-Dichlorobenzene-d4	11.48

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	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028295.D
Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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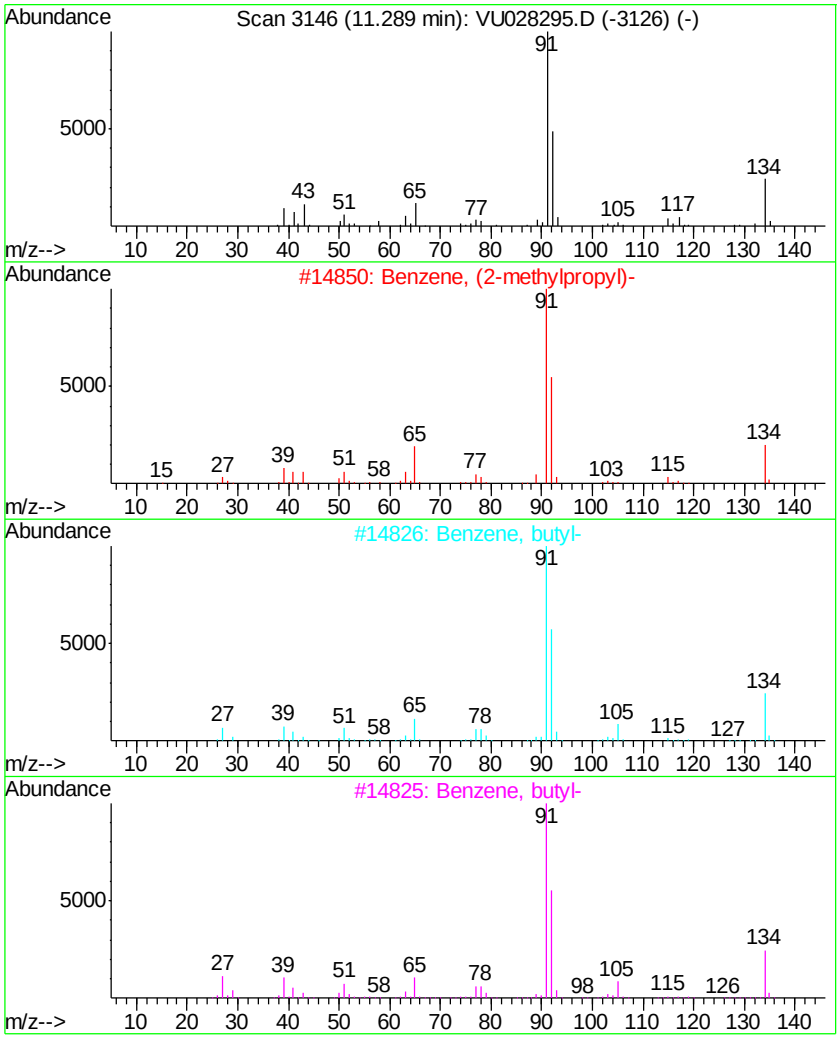
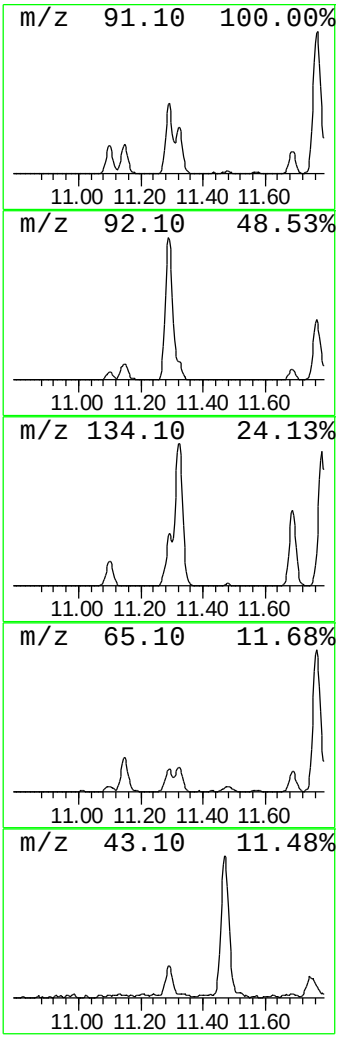
Peak Number 14 Benzene, (2-methylpropyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	0.72 ug/L	102375	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
2	Benzene, butyl-	134	C10H14	000104-51-8	83
3	Benzene, butyl-	134	C10H14	000104-51-8	80
4	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	80
5	Benzene, butyl-	134	C10H14	000104-51-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028295.D
Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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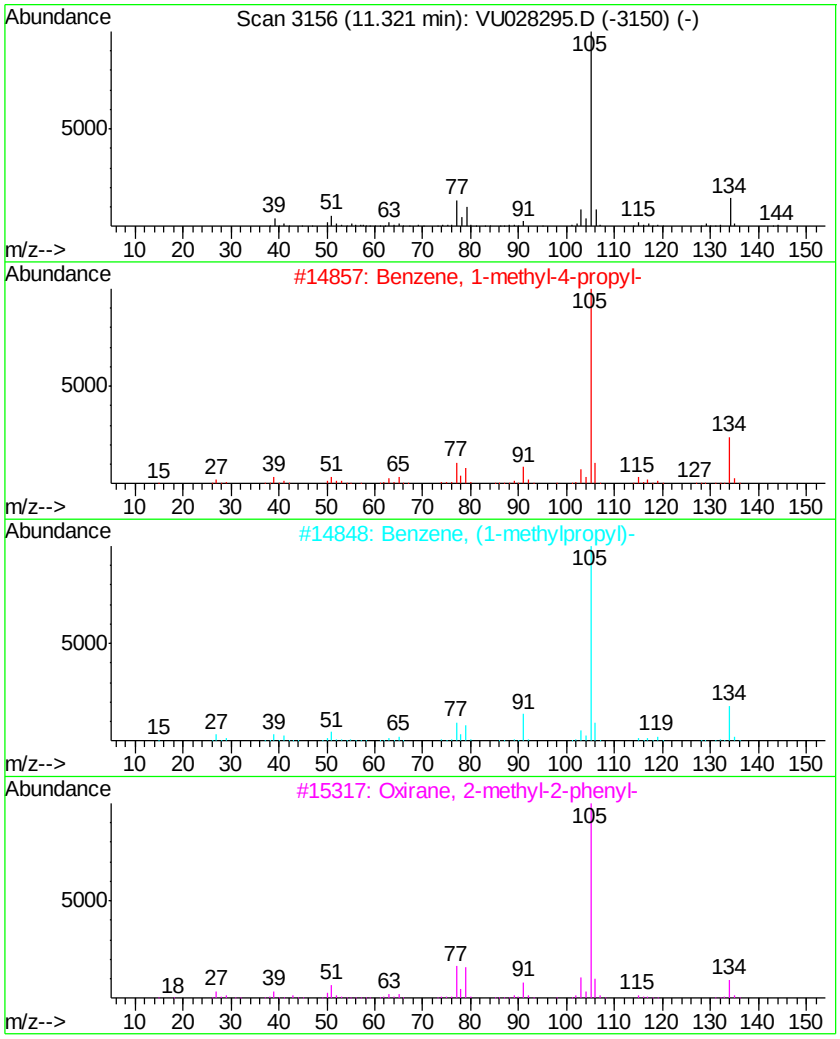
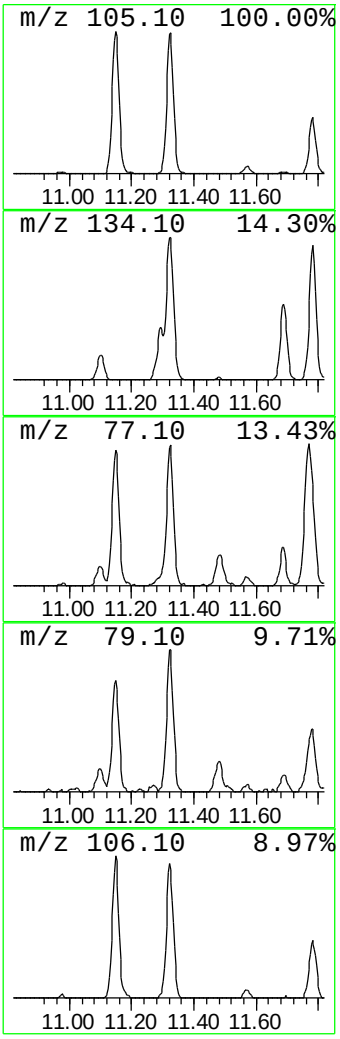
Peak Number 15 Benzene, 1-methyl-4-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	2.29 ug/L	323271	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
3	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	90
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	90
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028295.D
Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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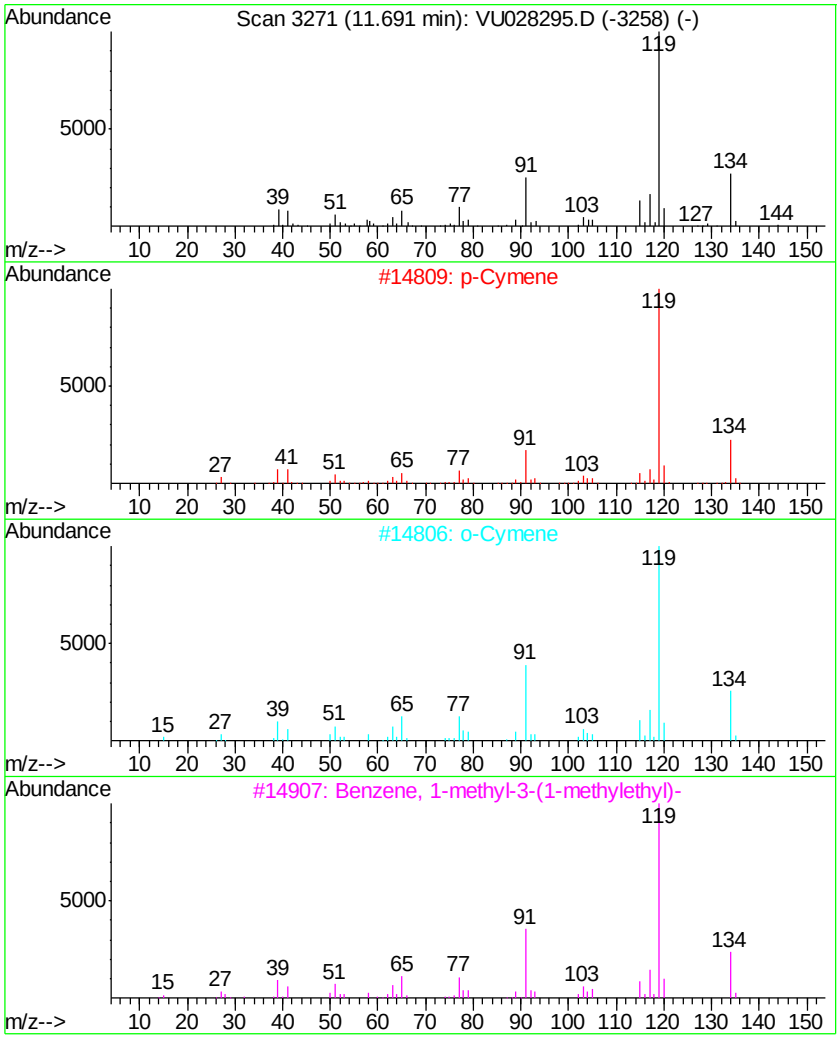
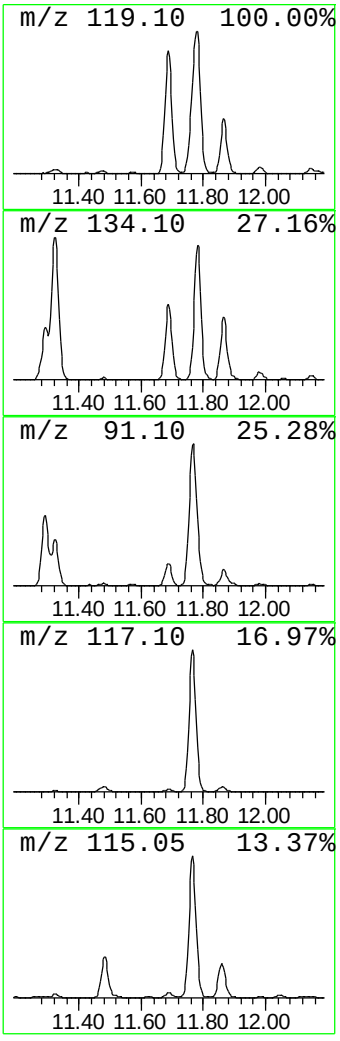
Peak Number 16 p-Cymene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	1.00 ug/L	140798	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





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Data File : VU028295.D
Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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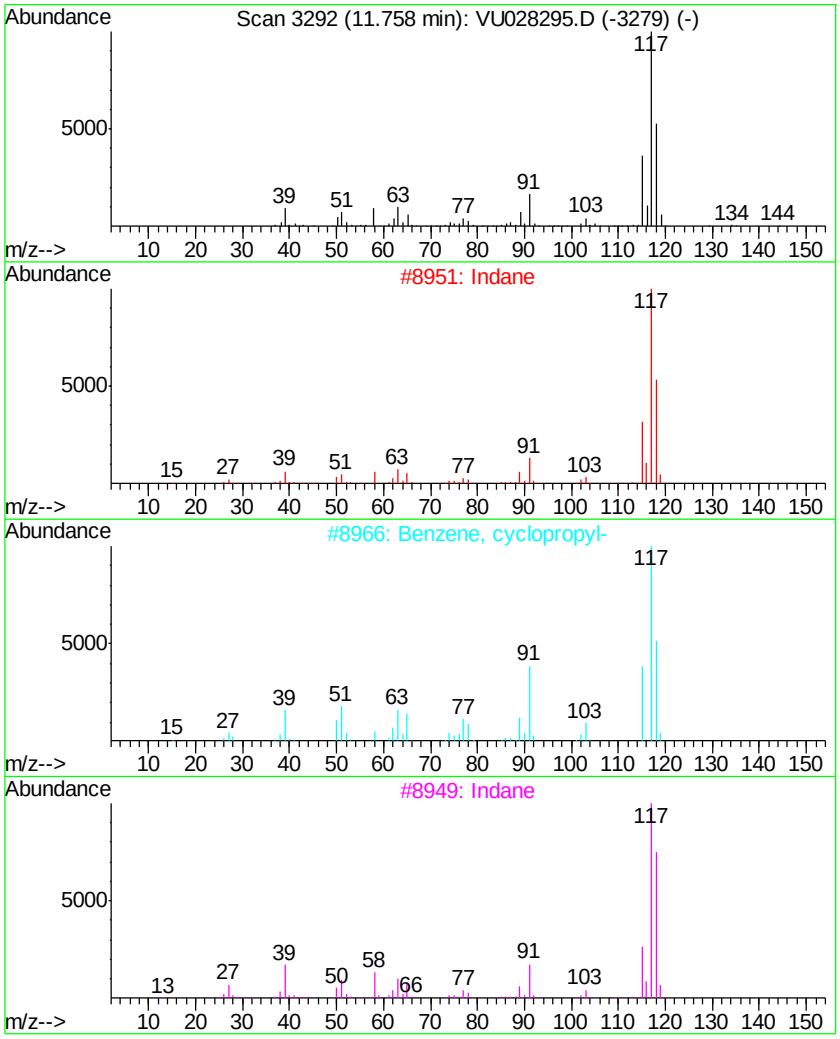
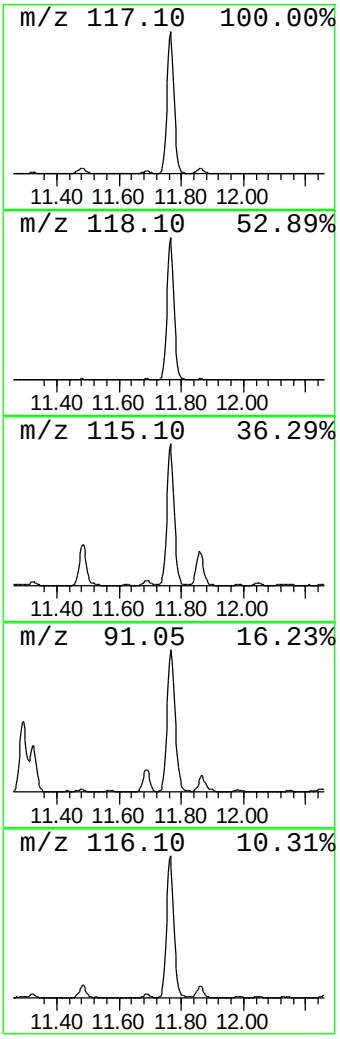
Peak Number 17 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	10.77 ug/L	1522560	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
3	Indane	118	C9H10	000496-11-7	92
4	Indane	118	C9H10	000496-11-7	90
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81





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Data File : VU028295.D
Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

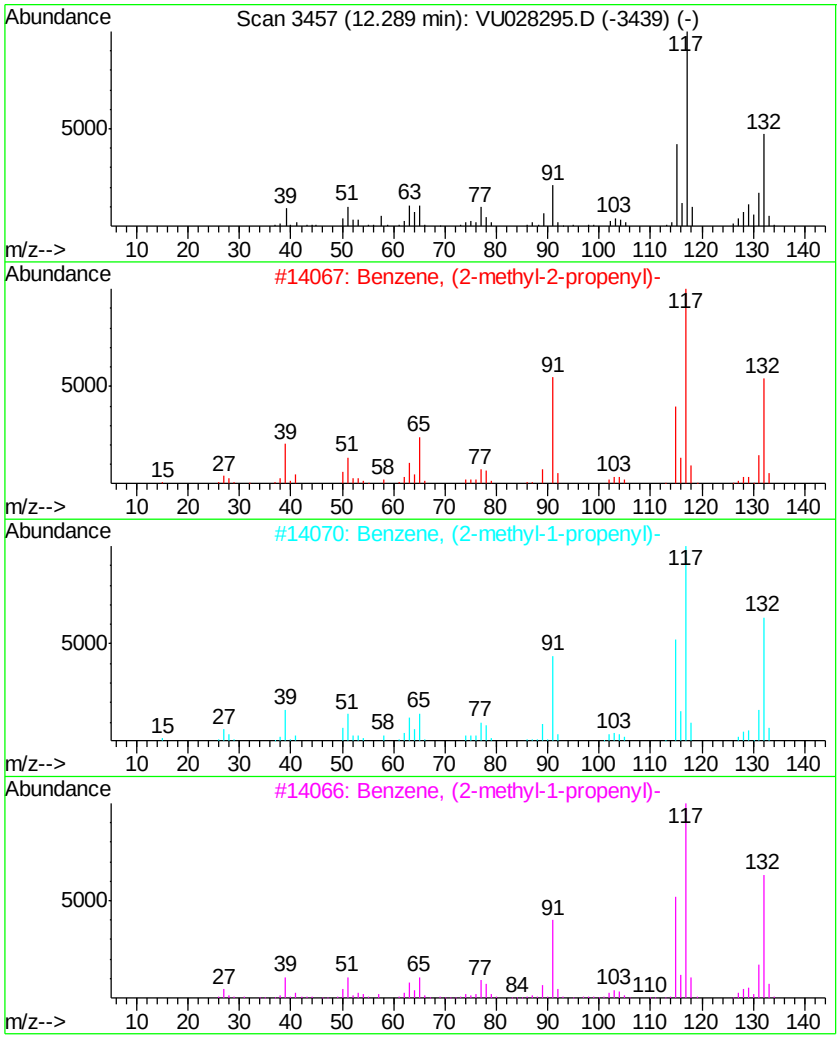
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

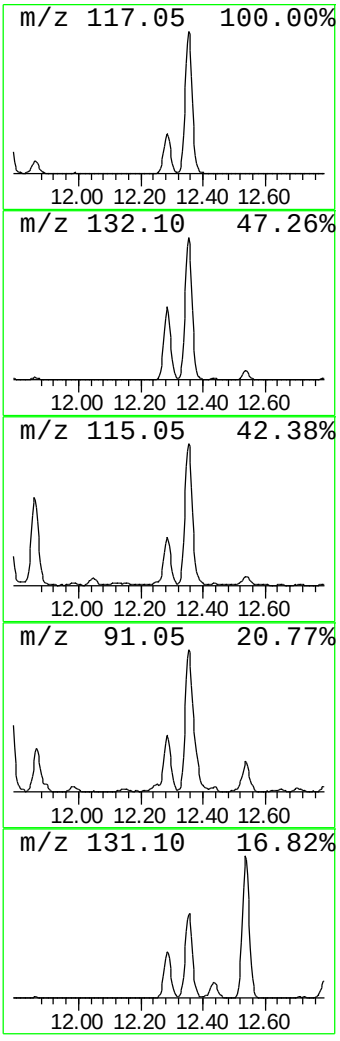
****

Peak Number 18 Benzene, (2-methyl-2-propen... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	1.43 ug/L	202500	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	93
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	93
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	93
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	93
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028295.D
Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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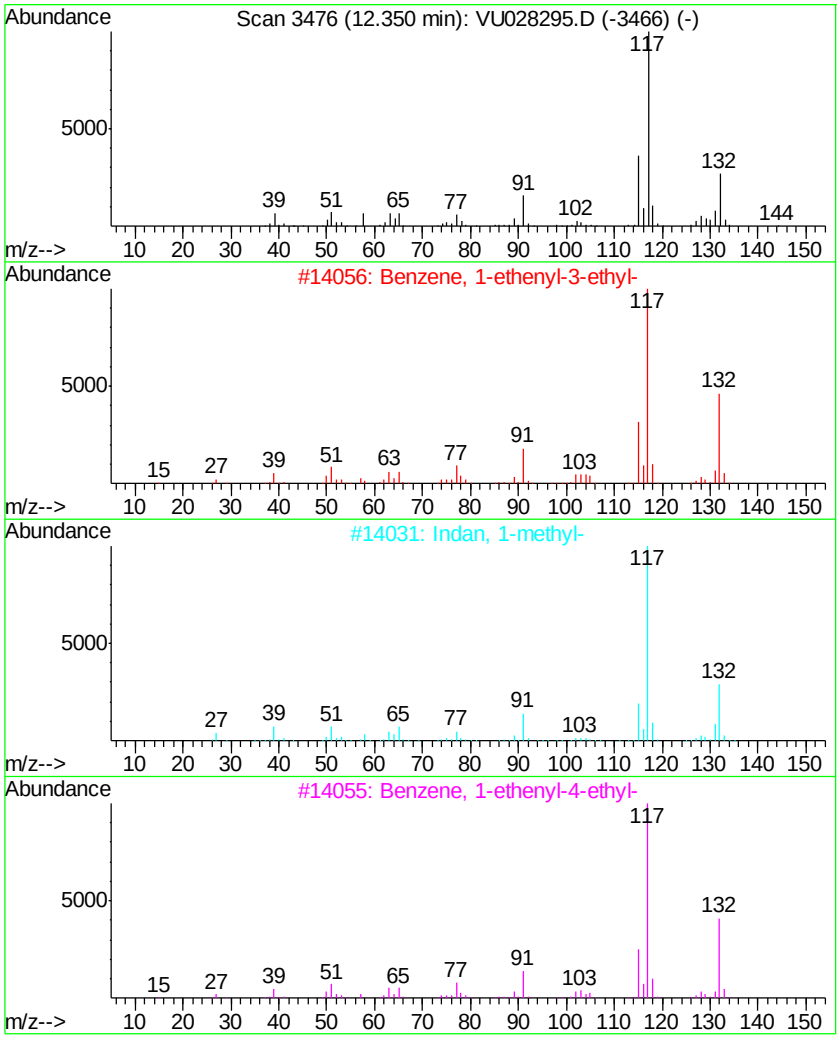
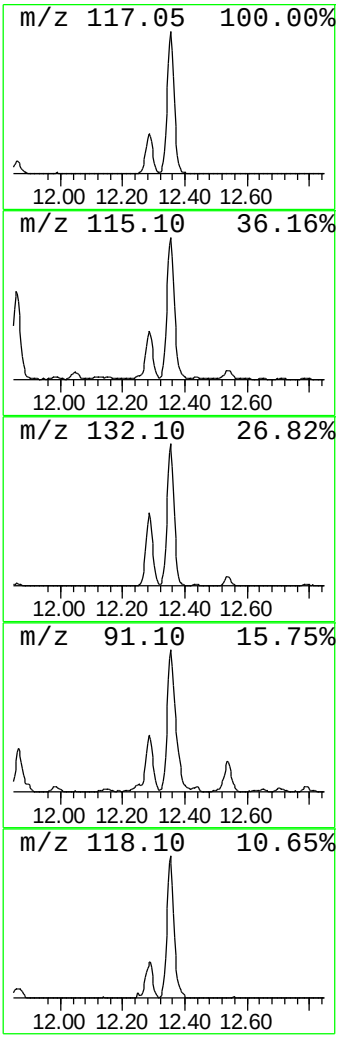
Peak Number 19 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	4.27 ug/L	603288	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	87
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028295.D
Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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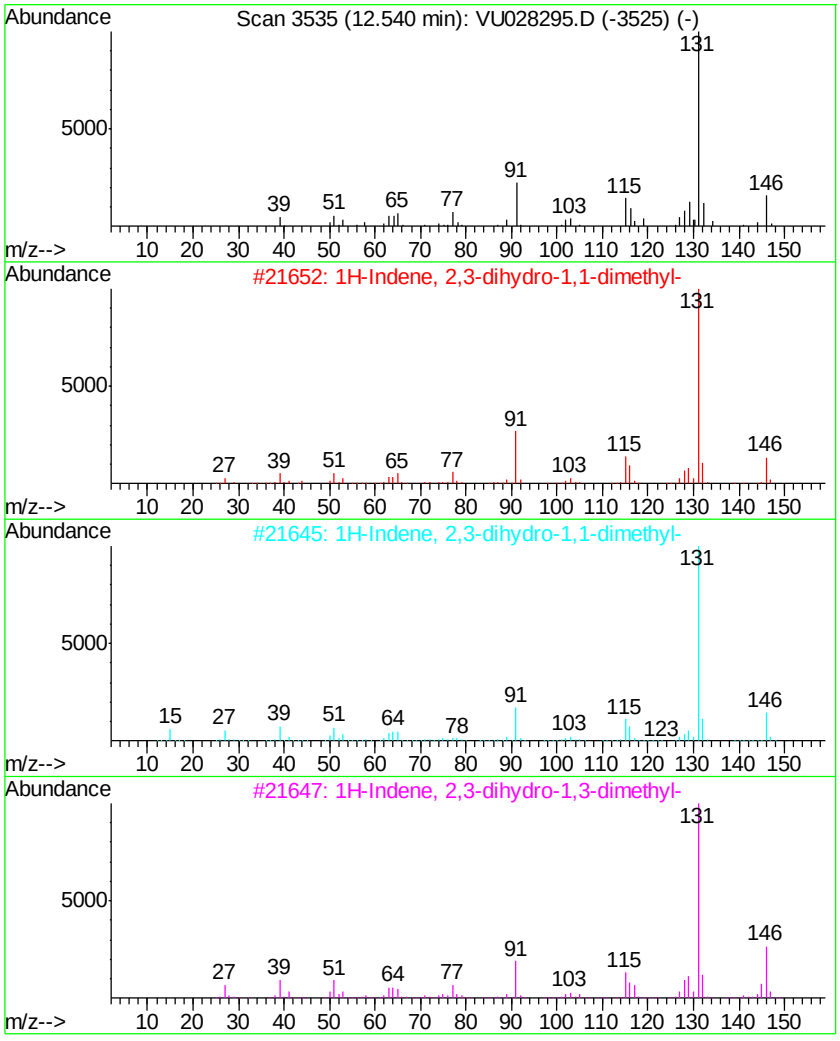
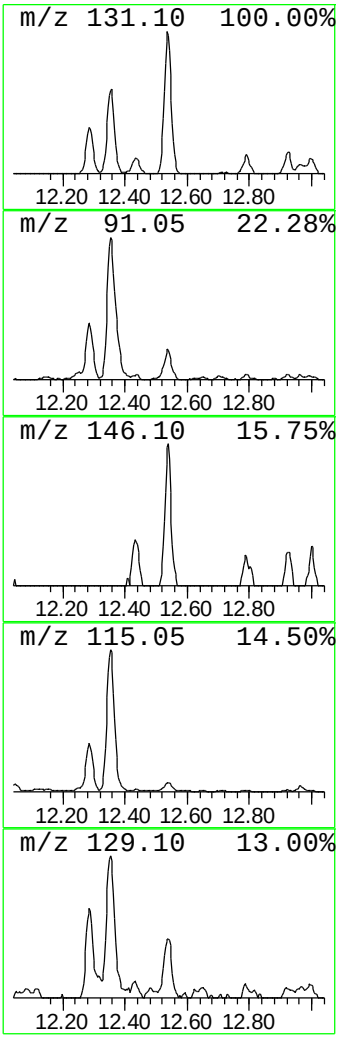
Peak Number 20 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	0.51 ug/L	71494	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	95
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	93
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028295.D
Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

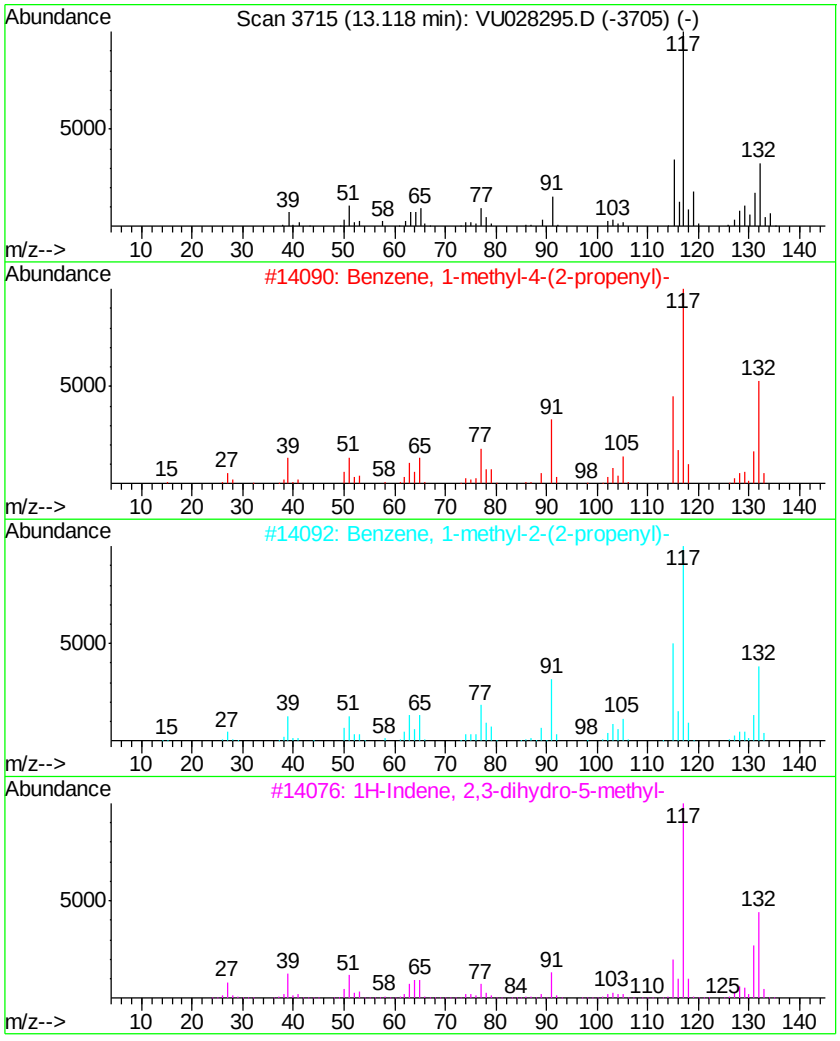
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

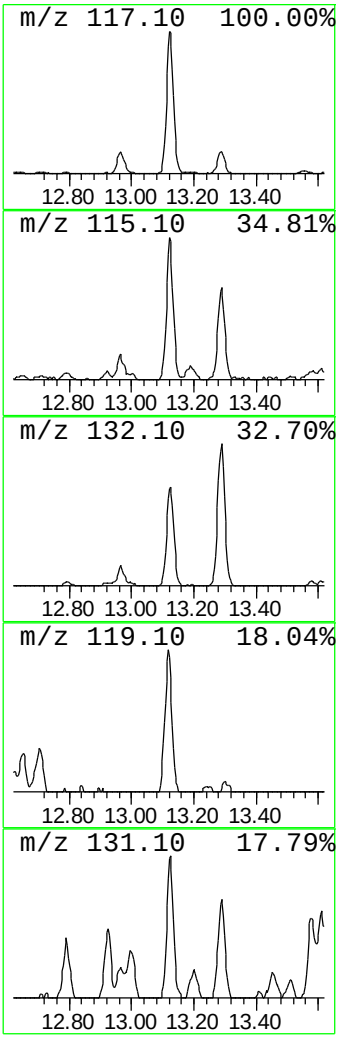
****

Peak Number 21 Benzene, 1-methyl-4-(2-prop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	1.03 ug/L	146287	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	83
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028295.D
Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

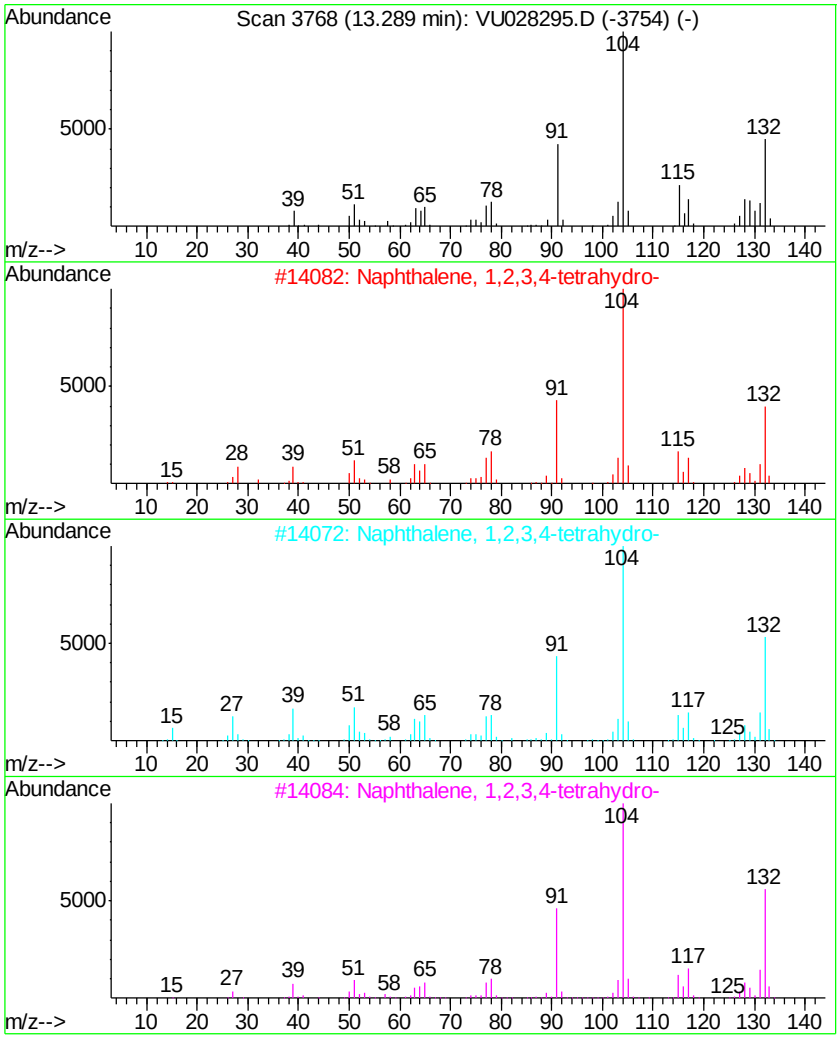
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

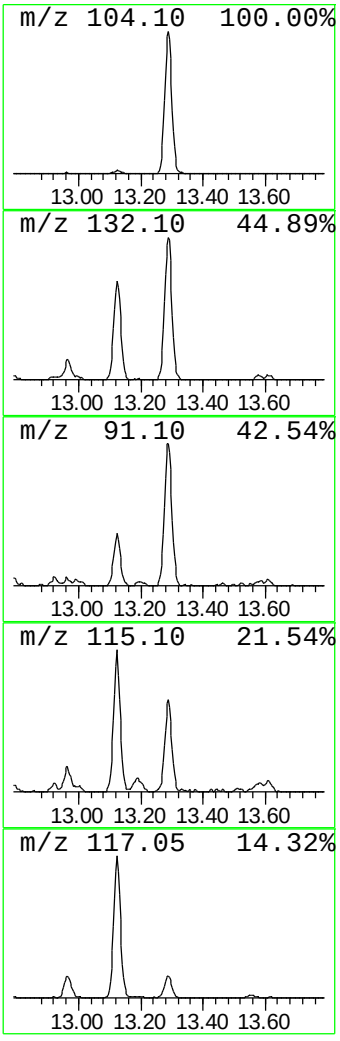
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	1.30 ug/L	183240	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
5	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028295.D
Acq On : 20 Nov 2018 22:08
Operator : MD/SY
Sample : J5997-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YA9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	5.25	5.3	ug/L	379606	1	5.89	358709	5.0
(DEL) Alkane: Cyc...	5.48	2.7	ug/L	191730	1	5.89	358709	5.0
(DEL) Alkane: Cyc...	5.55	1.9	ug/L	135304	1	5.89	358709	5.0
1-Propanol, 2-(1-...	6.87	1.2	ug/L	82907	1	5.89	358709	5.0
(DEL) Alkane: Cyc...	7.71	0.9	ug/L	82664	2	9.09	454884	5.0
4-Octanone, 5-hyd...	8.65	9.6	ug/L	869364	2	9.09	454884	5.0
Pentalene, octahy...	9.19	1.6	ug/L	149467	2	9.09	454884	5.0
n-Butyl ether	9.30	75.8	ug/L	6899480	2	9.09	454884	5.0
unknown-01	9.57	1.1	ug/L	103213	2	9.09	454884	5.0
Benzene, propyl-	10.59	2.1	ug/L	294368	3	11.48	706720	5.0
Benzene, tert-butyl-	11.10	0.5	ug/L	75965	3	11.48	706720	5.0
Benzene, 1,2,3-tr...	11.15	2.5	ug/L	349538	3	11.48	706720	5.0
Benzene, (2-methy...	11.29	0.7	ug/L	102375	3	11.48	706720	5.0
Benzene, 1-methyl...	11.32	2.3	ug/L	323271	3	11.48	706720	5.0
p-Cymene	11.69	1.0	ug/L	140798	3	11.48	706720	5.0
Indane	11.76	10.8	ug/L	1522560	3	11.48	706720	5.0
Benzene, (2-methy...	12.29	1.4	ug/L	202500	3	11.48	706720	5.0
Benzene, 1-etheny...	12.35	4.3	ug/L	603288	3	11.48	706720	5.0
1H-Indene, 2,3-di...	12.54	0.5	ug/L	71494	3	11.48	706720	5.0
Benzene, 1-methyl...	13.12	1.0	ug/L	146287	3	11.48	706720	5.0
Naphthalene, 1,2,...	13.29	1.3	ug/L	183240	3	11.48	706720	5.0