LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

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\SOMUTR083120WMA.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	1.922	174	181	199	rVB2	50492	88840	1.00%	0.251%
2	2.388	313	326	349	rBV	1458945	2288835	25.87%	6.470%
3	2.578	375	385	400	rVB	88605	144256	1.63%	0.408%
4	2.661	401	411	442	rVB	37010	90197	1.02%	0.255%
5	3.099	525	547	559	rBV	46804	113884	1.29%	0.322%
6	3.375	618	633	652	rVB3	123219	278322	3.15%	0.787%
7	3.716	723	739	756	rVB3	102017	224620	2.54%	0.635%
8	4.012	810	831	878	rBV	3350488	8846721	100.00%	25.006%
9	4.549	980	998	1016	rBV	324359	779426	8.81%	2.203%
10	4.665	1017	1034	1065	rBV2	48293	193192	2.18%	0.546%
11	5.083	1149	1164	1179	rBV	92256	205026	2.32%	0.580%
12	5.404	1246	1264	1278	rBV2	84108	192324	2.17%	0.544%
13	5.739	1349	1368	1378	rBV2	168529	445326	5.03%	1.259%
14	5.787	1379	1383	1396	rVB2	70709	118633	1.34%	0.335%
15	6.263	1516	1531	1557	rVB	234876	450579	5.09%	1.274%
16	6.703	1653	1668	1678	rBV	114400	229235	2.59%	0.648%
17	6.771	1679	1689	1713	rVB4	62587	150588	1.70%	0.426%
18	7.574	1928	1939	1951	rBV	56450	97748	1.10%	0.276%
19	7.722	1971	1985	2004	rVB3	45833	90782	1.03%	0.257%
20	7.867	2016	2030	2034	rBV2	76064	127489	1.44%	0.360%
21	7.902	2034	2041	2055	rVB	202231	346389	3.92%	0.979%
22	8.642	2258	2271	2304	rBV	327085	732815	8.28%	2.071%
23	9.449	2500	2522	2556	rBV	3822708	6780689	76.65%	19.166%
24	10.108	2707	2727	2742	rVB5	59799	141645	1.60%	0.400%
25	10.481	2828	2843	2856	rBV	3331478	5171192	58.45%	14.617%
26	10.754	2920	2928	2937	rVB	96673	153109	1.73%	0.433%
27	10.889	2954	2970	2990	rBV2	372010	671251	7.59%	1.897%
28	10.983	2990	2999	3007	rVV	51679	92397	1.04%	0.261%
29	11.288	3083	3094	3103	rBV	124698	205613	2.32%	0.581%
30	11.414	3115	3133	3143	rBV	188957	317971	3.59%	0.899%
31	11.484	3143	3155	3168	rVB4	102734	195696	2.21%	0.553%
32	11.632	3197	3201	3224	rVB3	81421	136789	1.55%	0.387%
33	11.806	3243	3255	3270	rBV2	388913	1036627	11.72%	2.930%
34	11.880	3270	3278	3292	rVB3	421665	648329	7.33%	1.833%

LSC Area Percent Report

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Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

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\SOMUTR083120WMA.M
Title : TRACE VOA SOM01.0

35	12.089	3329	3343	3359	rVB3	175348	298129	3.37%	0.843%
36	12.192	3360	3375	3395	rVB3	321543	826730	9.35%	2.337%
37	12.561	3481	3490	3499	rBV	166779	237205	2.68%	0.670%
38	12.674	3517	3525	3543	rVB3	49264	110075	1.24%	0.311%
39	12.767	3543	3554	3560	rBV4	76730	125007	1.41%	0.353%
40	12.815	3560	3569	3575	rVV	288601	462410	5.23%	1.307%
41	12.851	3575	3580	3593	rVB2	154150	236338	2.67%	0.668%
42	12.963	3601	3615	3623	rBV	119567	190114	2.15%	0.537%
43	13.465	3757	3771	3789	rVB5	69350	182523	2.06%	0.516%
44	13.593	3804	3811	3827	rVB5	44927	99389	1.12%	0.281%
45	13.835	3874	3886	3903	rBV8	58997	116955	1.32%	0.331%
46	13.983	3923	3932	3945	rVB3	151185	277746	3.14%	0.785%
47	14.751	4160	4171	4181	rBV5	42910	107656	1.22%	0.304%
48	14.960	4225	4236	4253	rBV5	49620	113925	1.29%	0.322%
49	15.063	4257	4268	4276	rVV2	131141	207860	2.35%	0.588%

Sum of corrected areas: 35378597

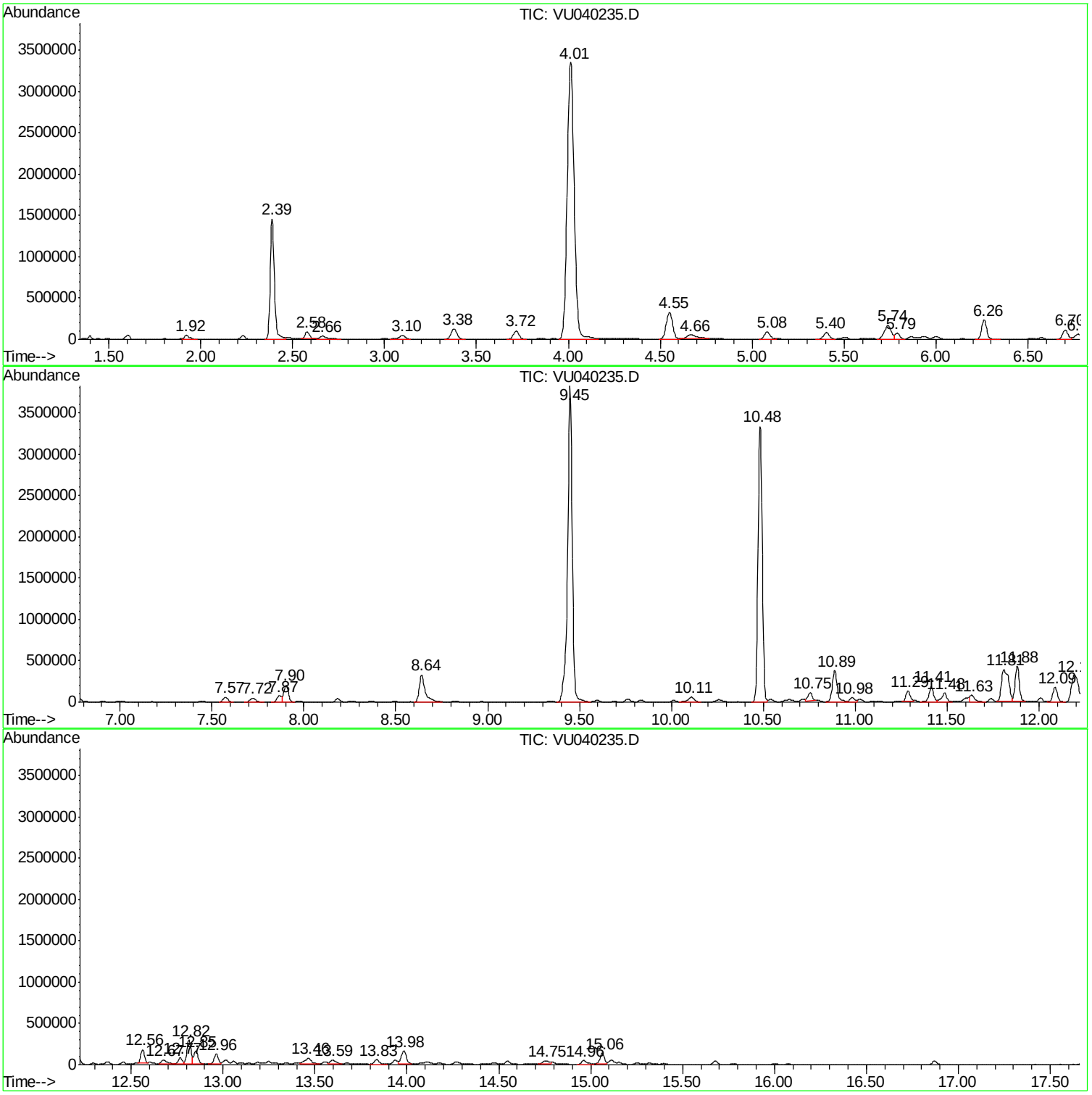
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

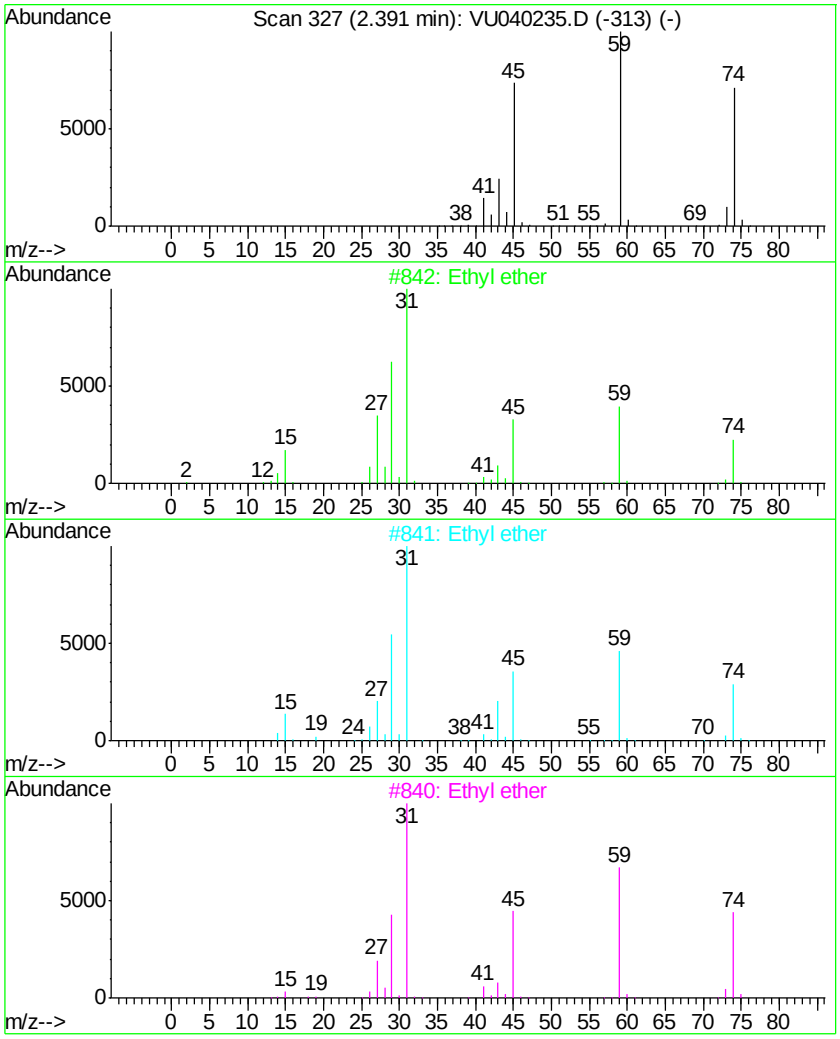
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

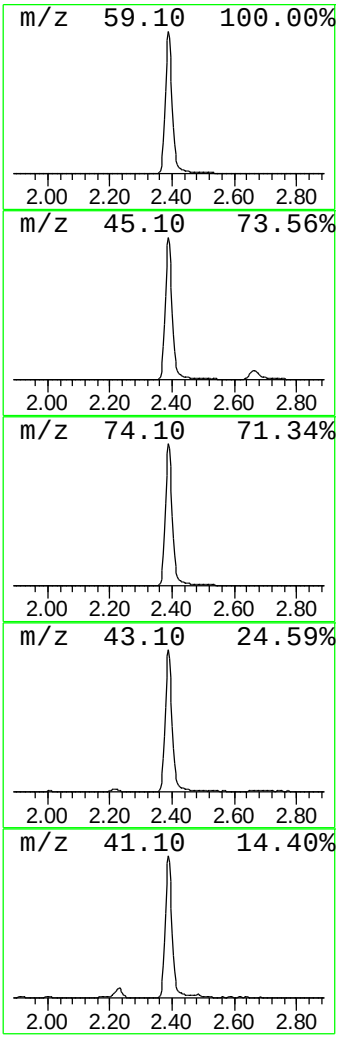
****

Peak Number 1 Ethyl ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.39	25.40 ug/L	2288840	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	90
2	Ethyl ether	74	C4H10O	000060-29-7	90
3	Ethyl ether	74	C4H10O	000060-29-7	90
4	Ethyl ether	74	C4H10O	000060-29-7	90
5	Ethyl ether	74	C4H10O	000060-29-7	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

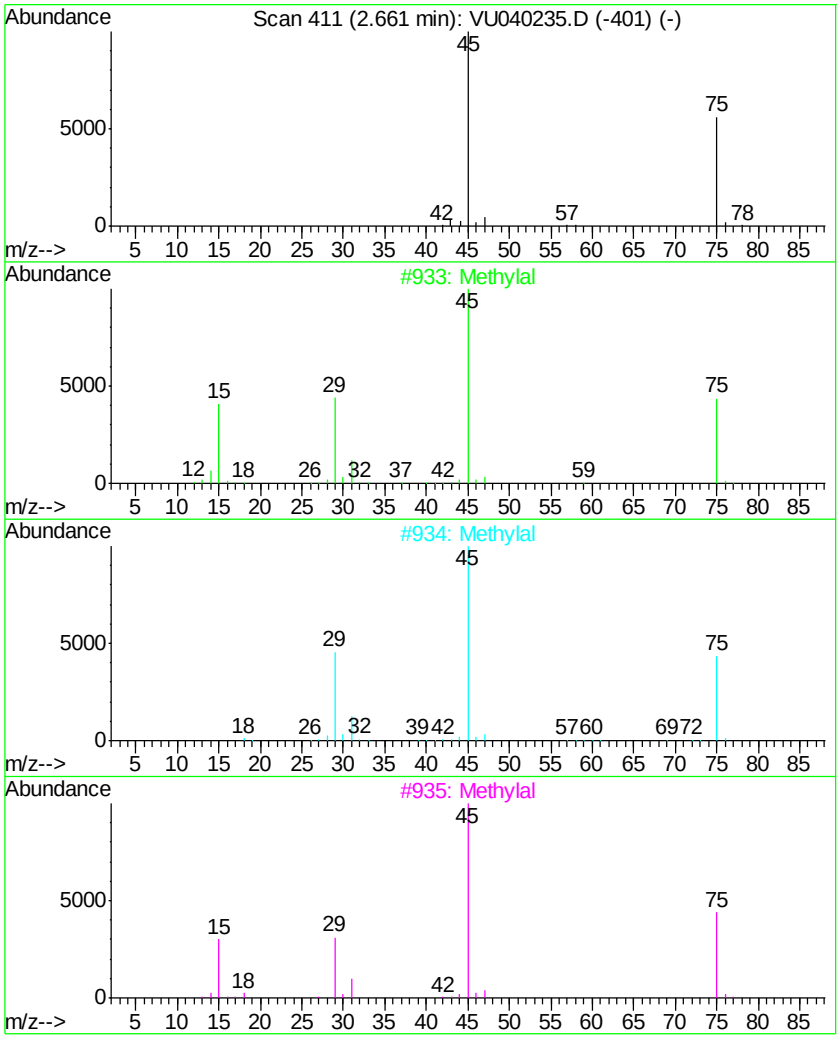
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

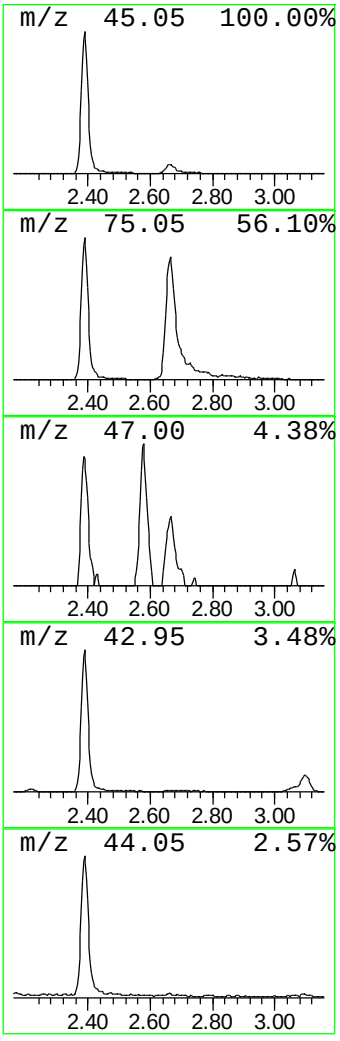
****

Peak Number 2 Methylal Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.66	1.00 ug/L	90197	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylal	76	C3H8O2	000109-87-5	90
2	Methylal	76	C3H8O2	000109-87-5	83
3	Methylal	76	C3H8O2	000109-87-5	83
4	Ethanethioamide	75	C2H5NS	000062-55-5	5
5	Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

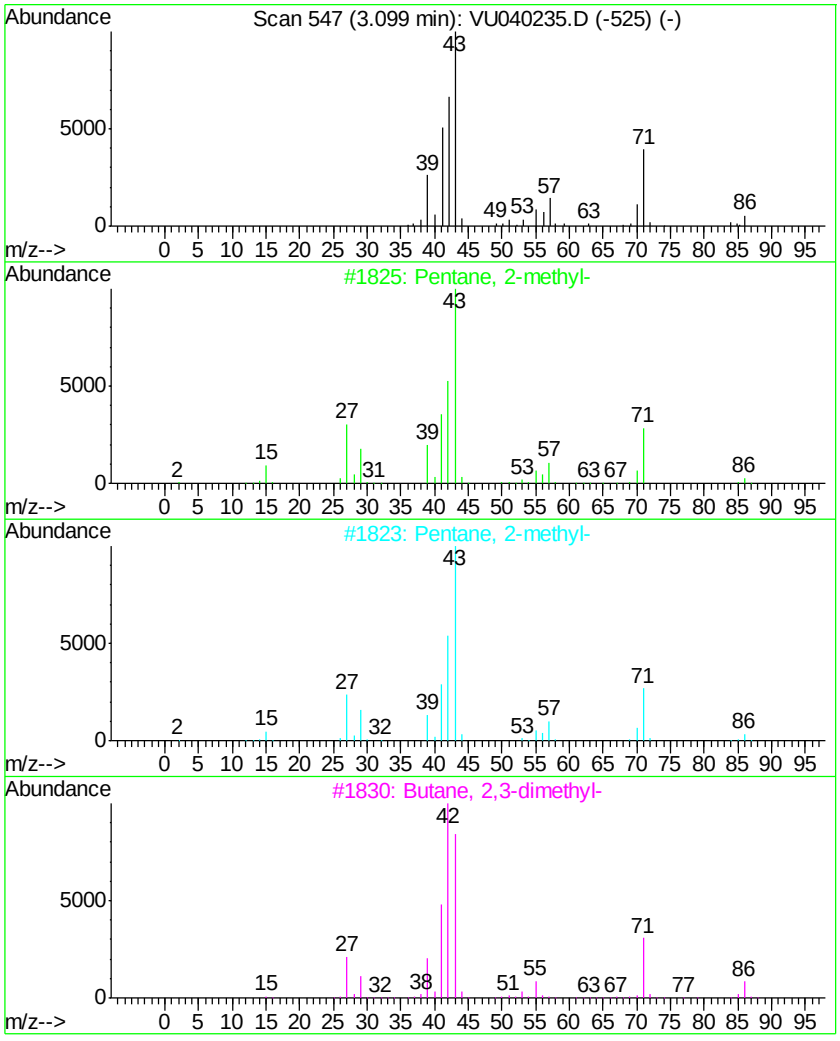
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

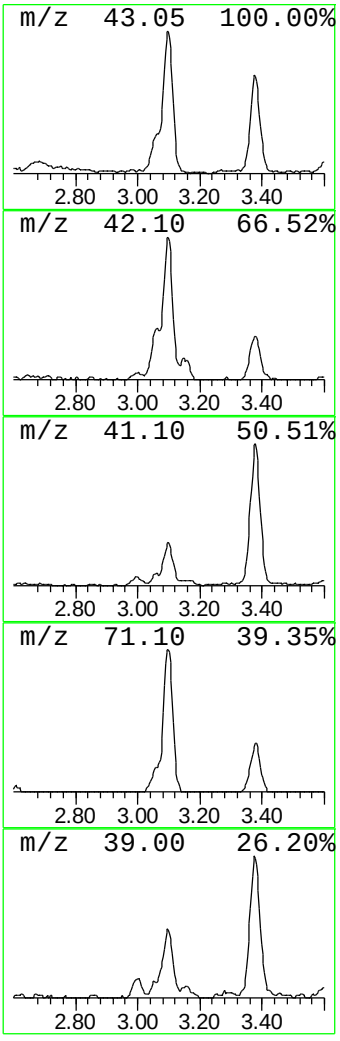
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.10	1.26 ug/L	113884	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	52
5	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

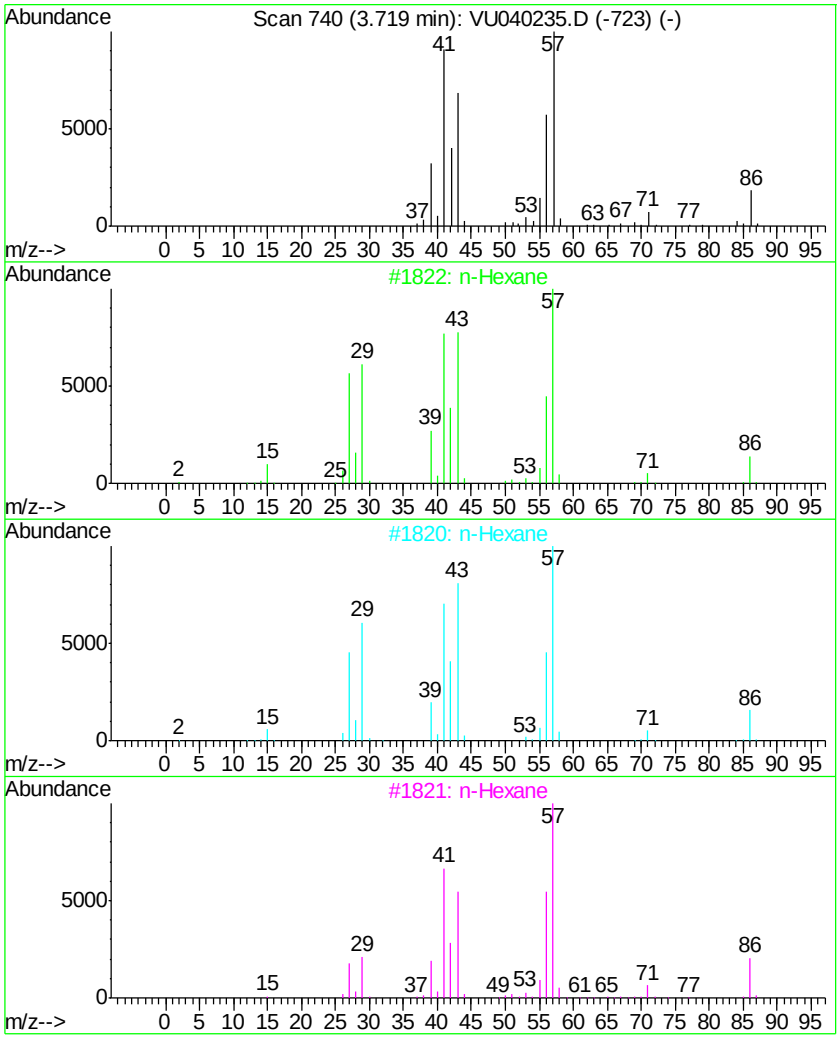
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

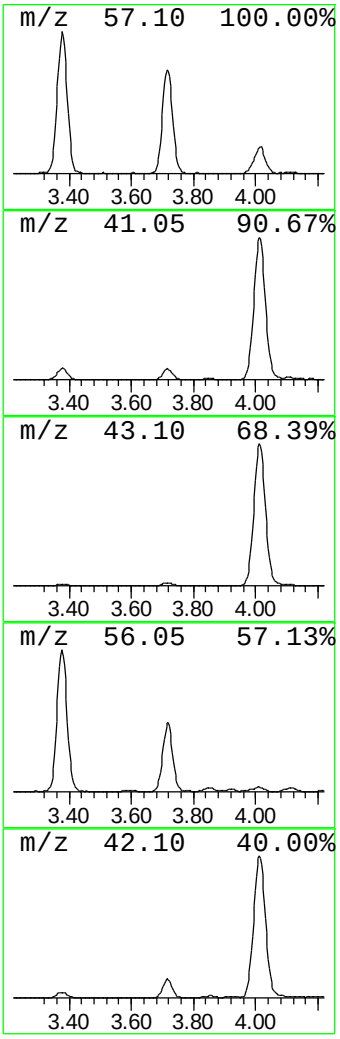
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	2.49 ug/L	224620	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	80
3	n-Hexane	86	C6H14	000110-54-3	74
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	43
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

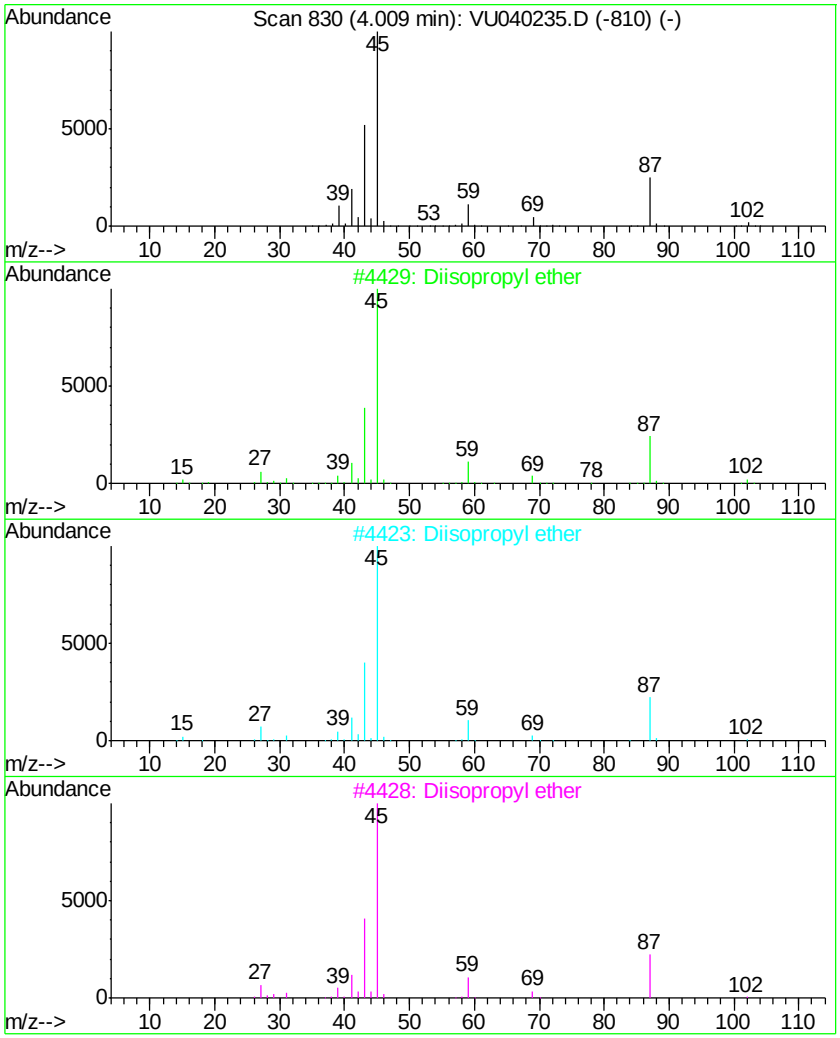
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

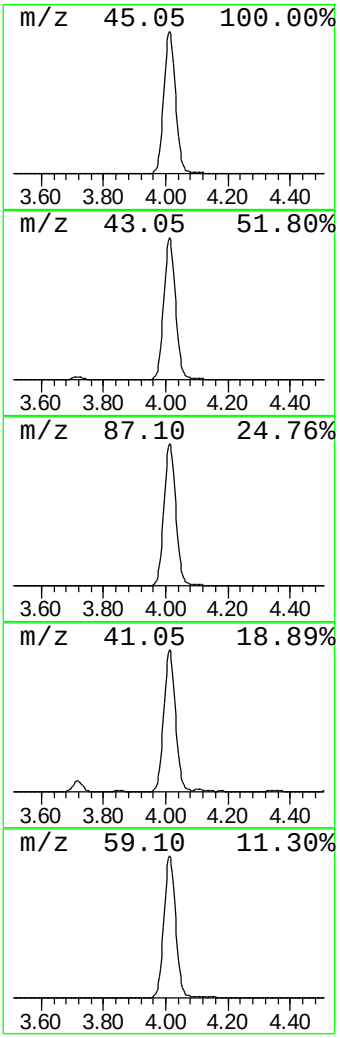
****

Peak Number 5 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.01	98.17 ug/L	8846720	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	91
2	Diisopropyl ether	102	C6H14O	000108-20-3	83
3	Diisopropyl ether	102	C6H14O	000108-20-3	83
4	Ether, sec-butyl isopropyl	116	C7H16O	018641-81-1	64
5	Acetoin	88	C4H8O2	000513-86-0	59





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Operator : SY/MD
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ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

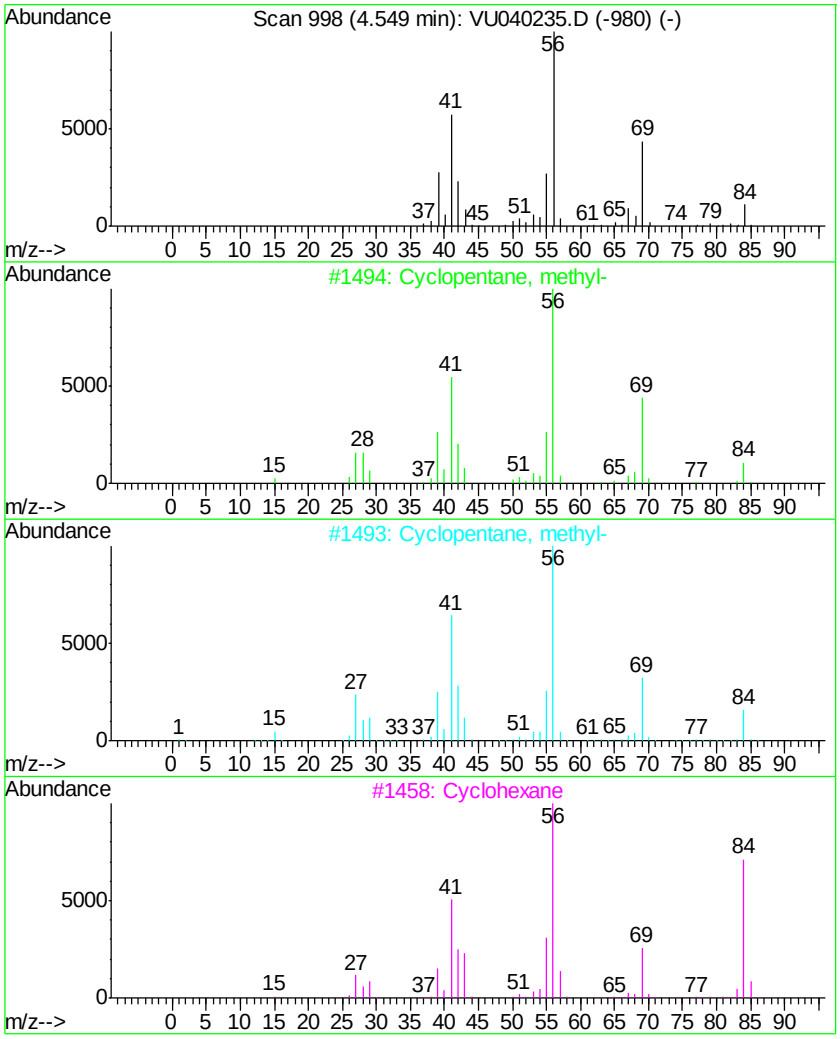
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

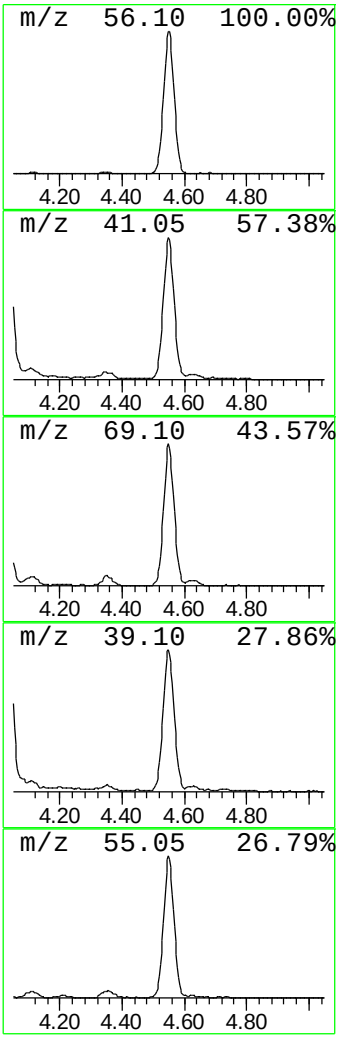
****

Peak Number 6 (DEL) Alkane: Cyclic4.55 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.55	8.65 ug/L	779426	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3	Cyclohexane	84	C6H12	000110-82-7	78
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64





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Instrument : MSVOA_U
ClientSampleId : BG0P0

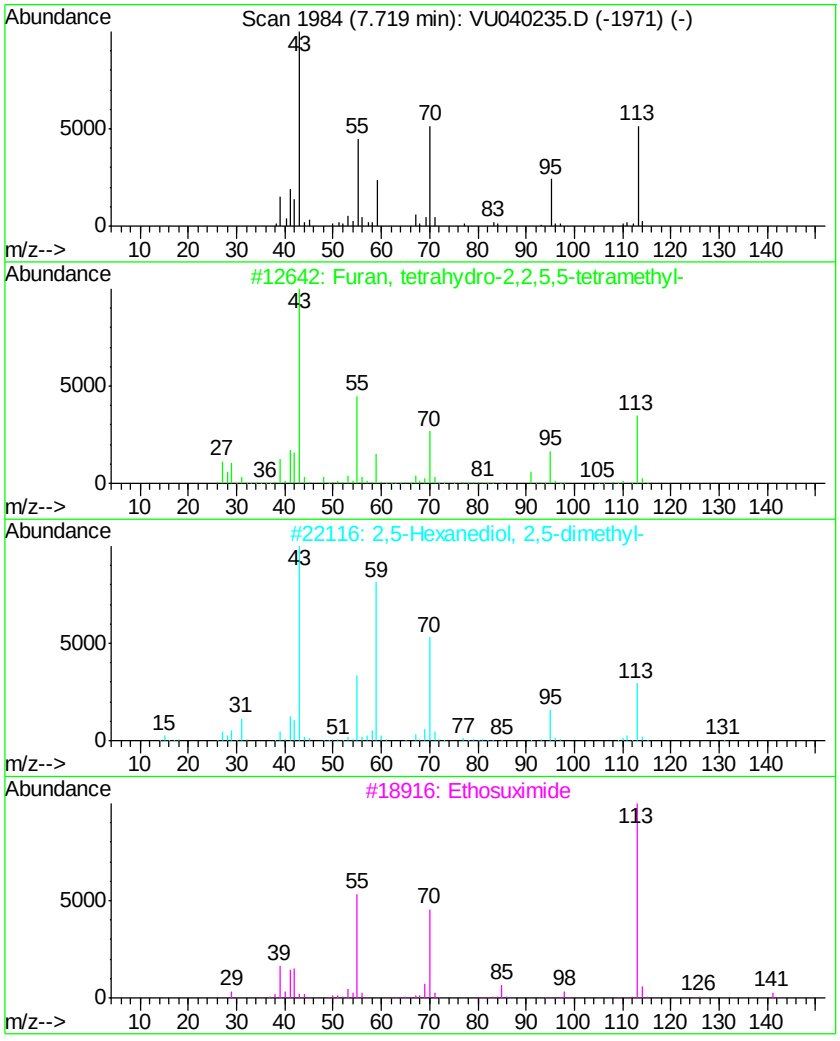
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

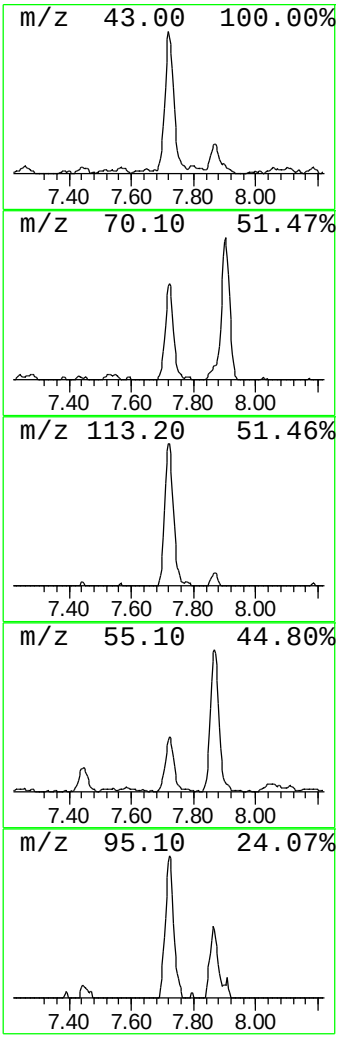
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Furan, tetrahydro-2,2,5,5-t... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	1.01 ug/L	90782	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2,2,5,5-tetram...	128	C8H16O	015045-43-9	53
2	2,5-Hexanediol, 2,5-dimethyl-	146	C8H18O2	000110-03-2	47
3	Ethosuximide	141	C7H11NO2	000077-67-8	38
4	4-Piperidinone, 1-methyl-	113	C6H11NO	001445-73-4	38
5	Piperazine, 1-[(2,4-dichlorobenz...	286	C13H16Cl2N2O	1000137-95-1	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

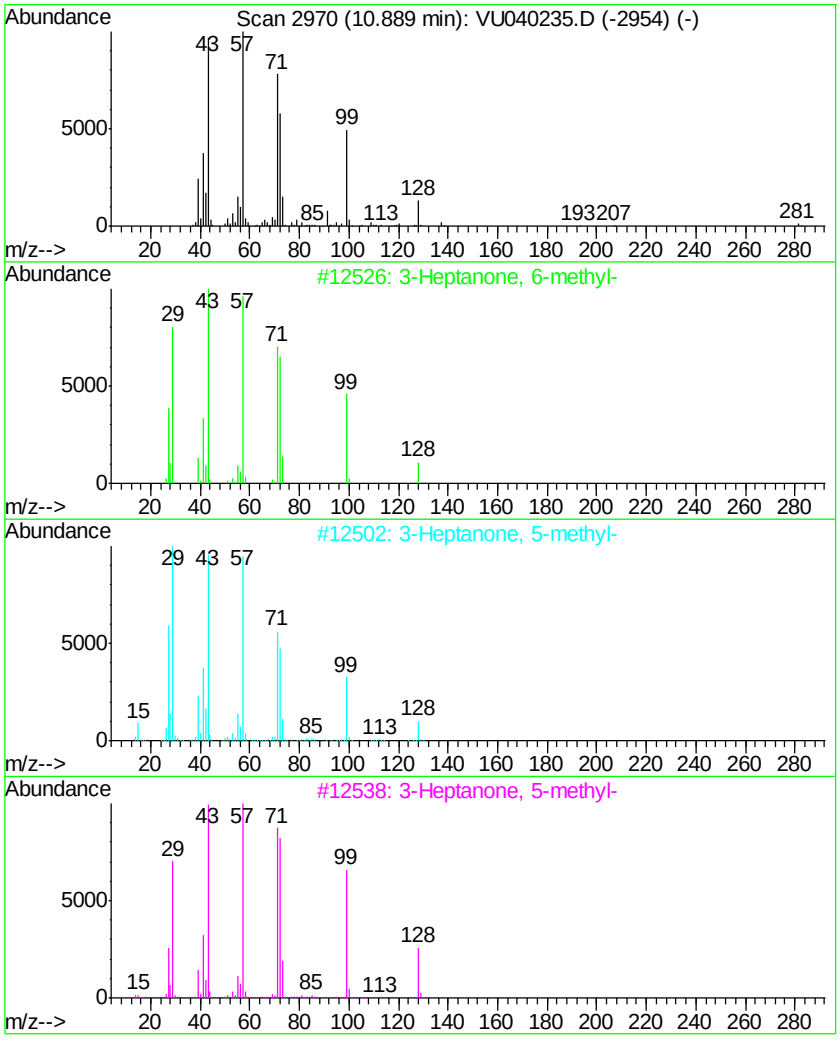
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

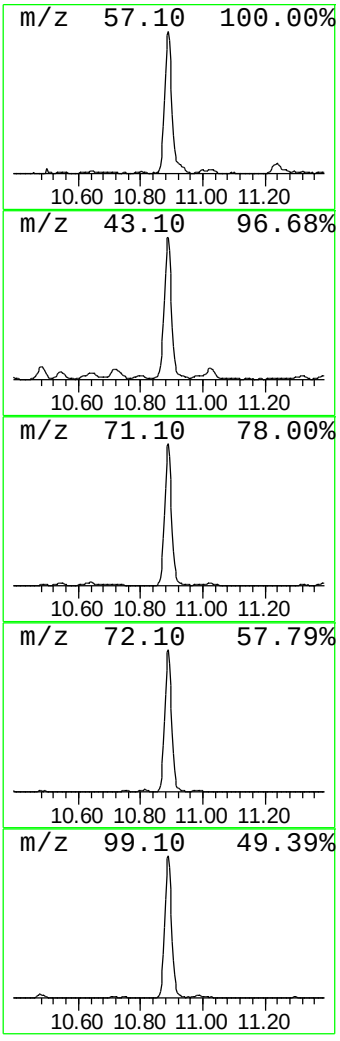
****

Peak Number 9 3-Heptanone, 6-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	3.24 ug/L	671251	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	94
2	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	94
3	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	91
4	3-Octanone	128	C8H16O	000106-68-3	87
5	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	83





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Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

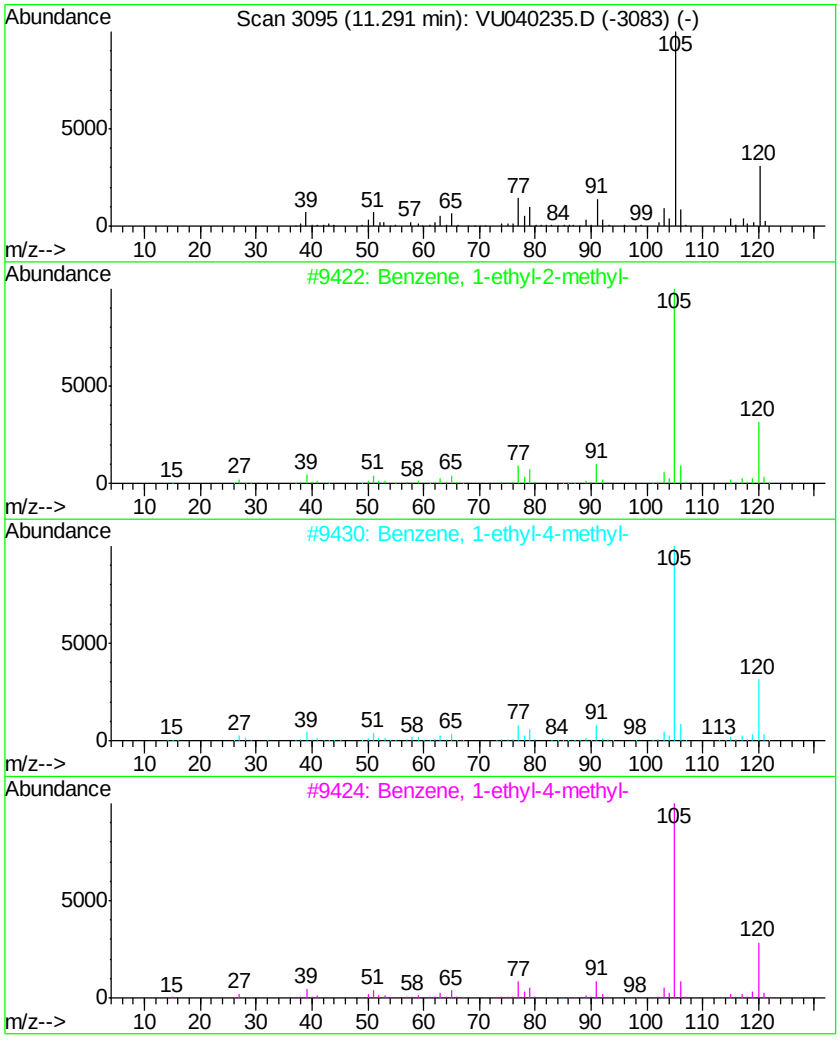
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

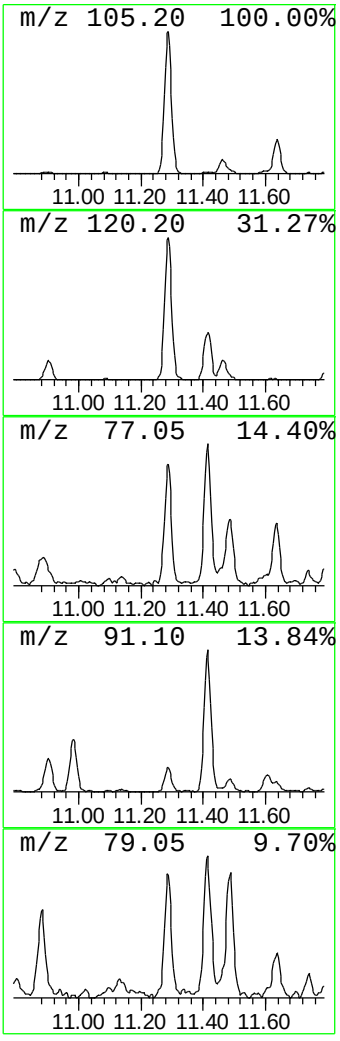
****

Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	0.99 ug/L	205613	1,4-Dichlorobenzene-d4	11.81

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	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





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Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

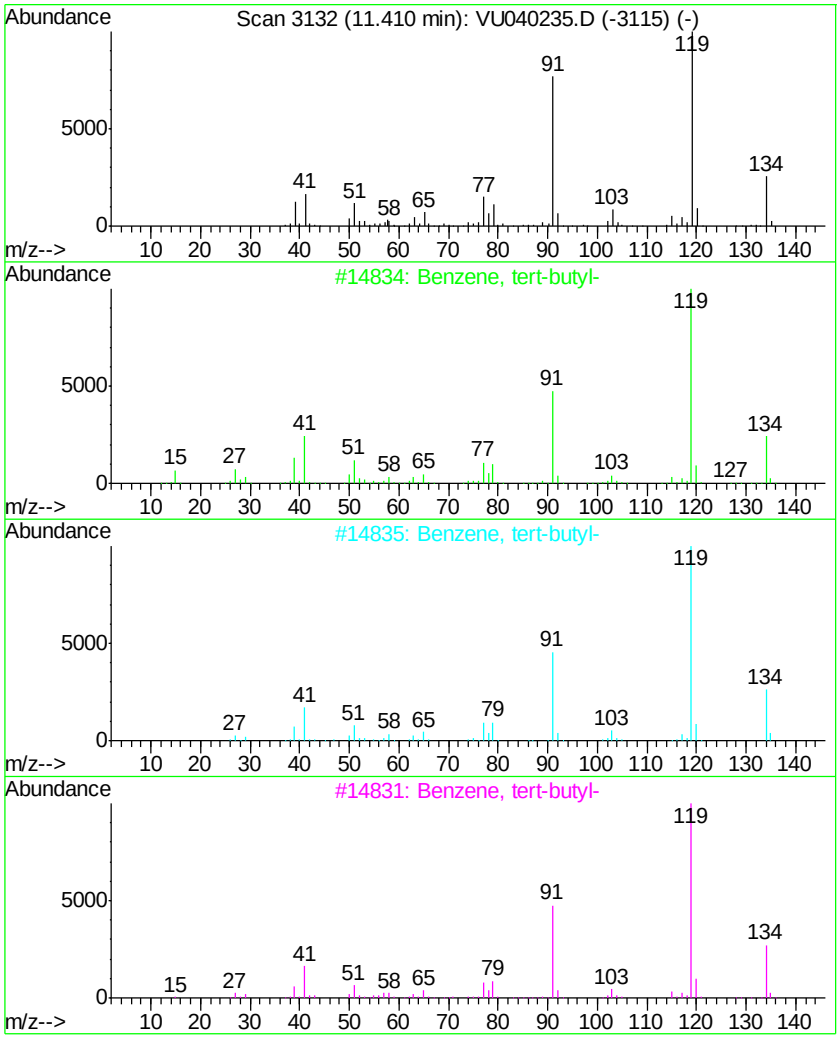
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

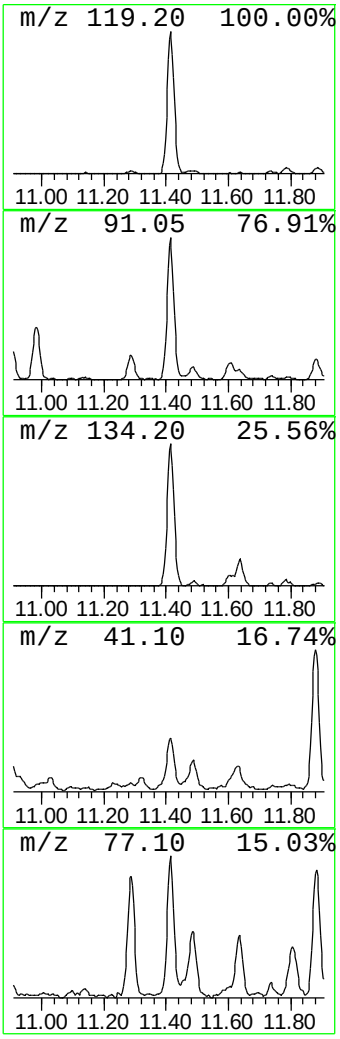
****

Peak Number 11 Benzene, tert-butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	1.53 ug/L	317971	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, tert-butyl-	134	C10H14	000098-06-6	90
2	Benzene, tert-butyl-	134	C10H14	000098-06-6	87
3	Benzene, tert-butyl-	134	C10H14	000098-06-6	87
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	74
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	74





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Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

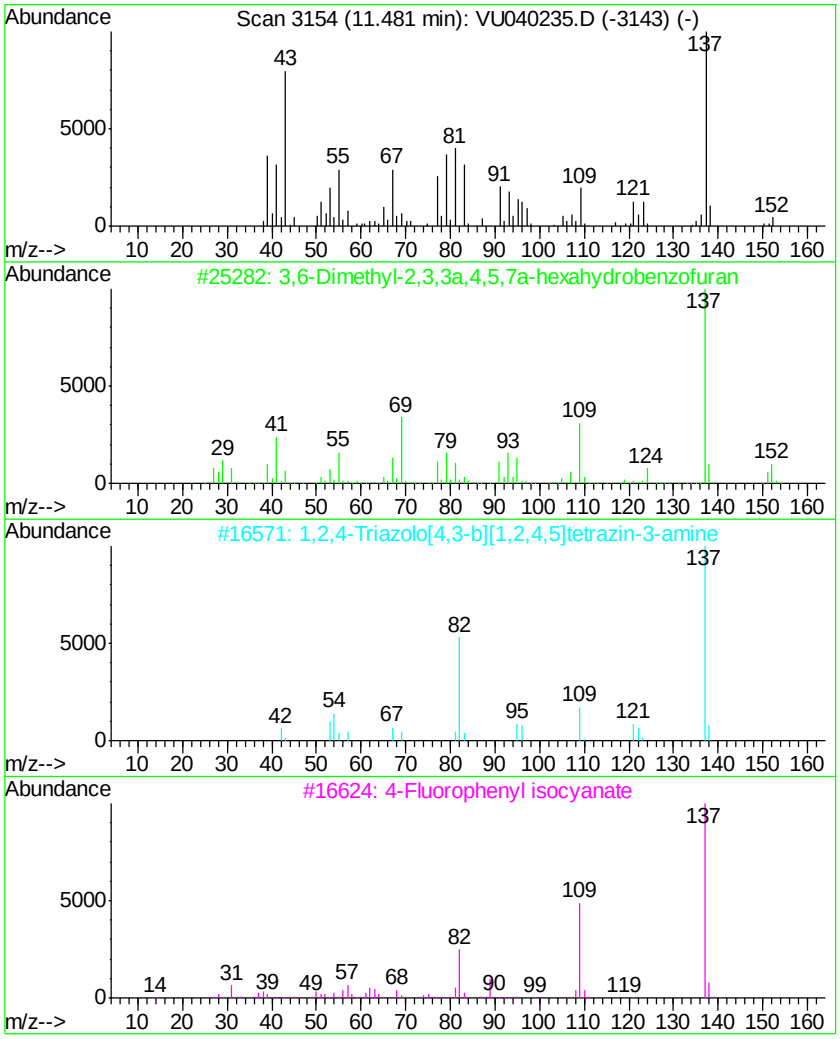
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

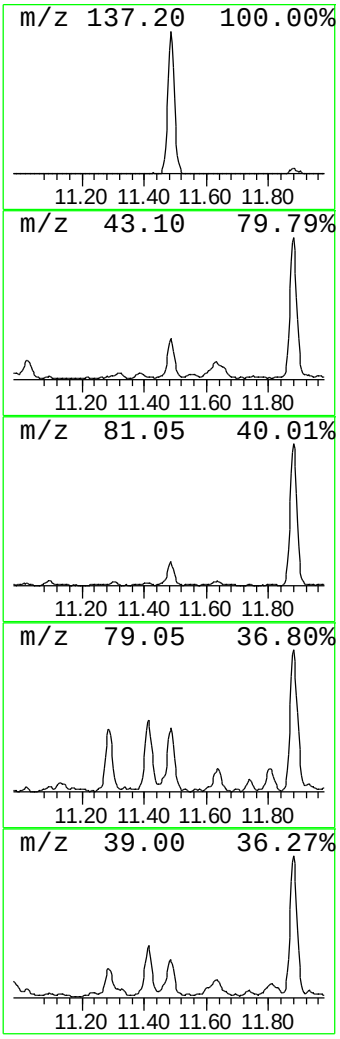
****

Peak Number 12 3,6-Dimethyl-2,3,3a,4,5,7a-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	0.94 ug/L	195696	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dimethyl-2,3,3a,4,5,7a-hexah...	152	C10H16O	070786-44-6	59
2	1,2,4-Triazolo[4,3-b][1,2,4,5]te...	137	C3H3N7	220696-99-1	52
3	4-Fluorophenyl isocyanate	137	C7H4FNO	001195-45-5	35
4	Benzeneamine, 3-ethyl-4-hydroxy-	137	C8H11NO	178698-88-9	27
5	Benzenecarbothioamide	137	C7H7NS	002227-79-4	27





Library Search Compound Report

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Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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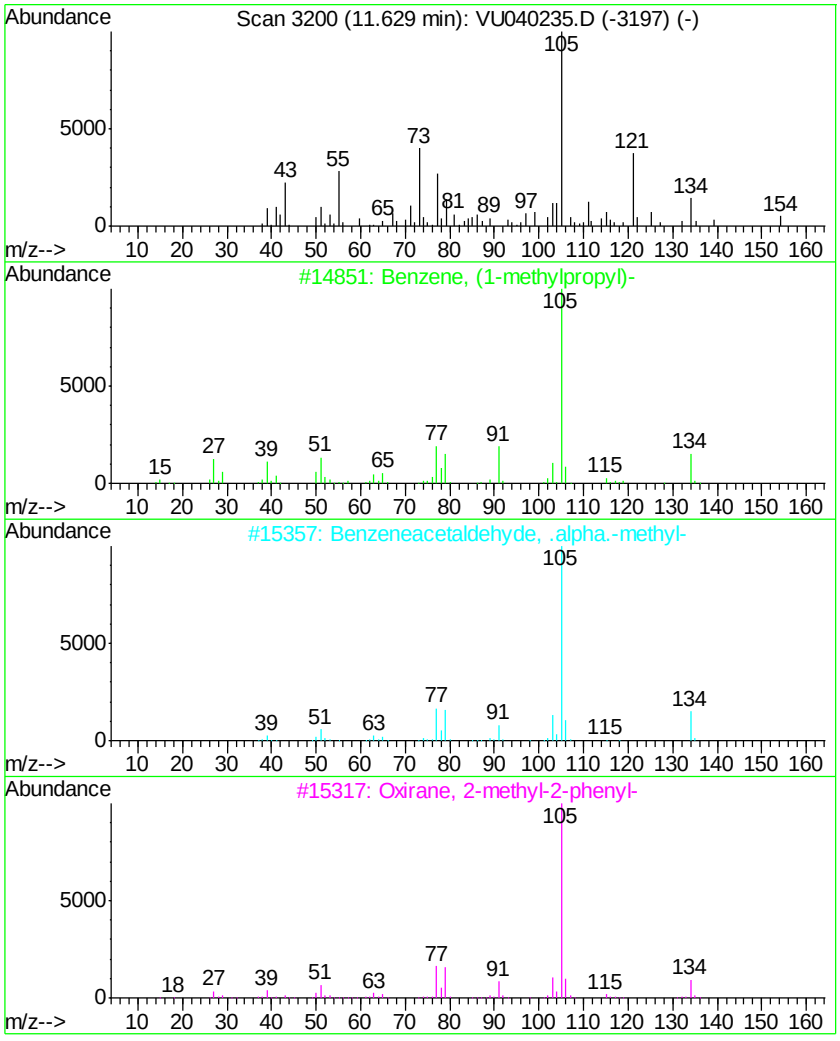
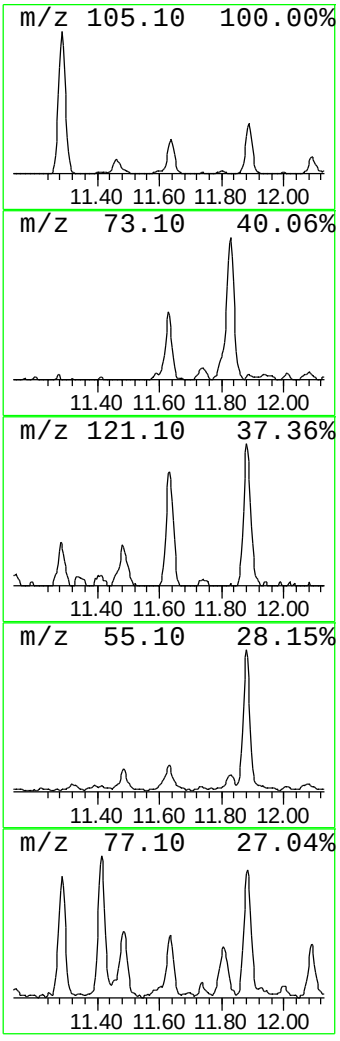
Peak Number 13 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	0.66 ug/L	136789	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	43
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	35
3	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	35
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	35
5	Benzamide	121	C7H7NO	000055-21-0	30





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Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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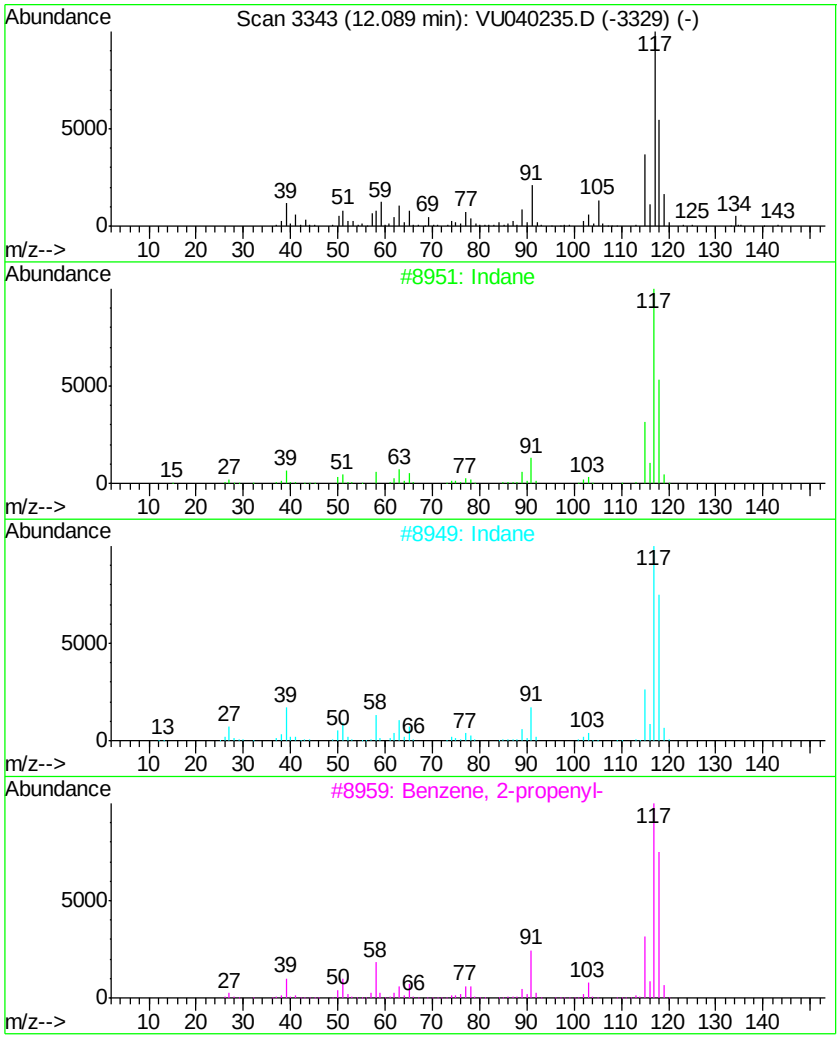
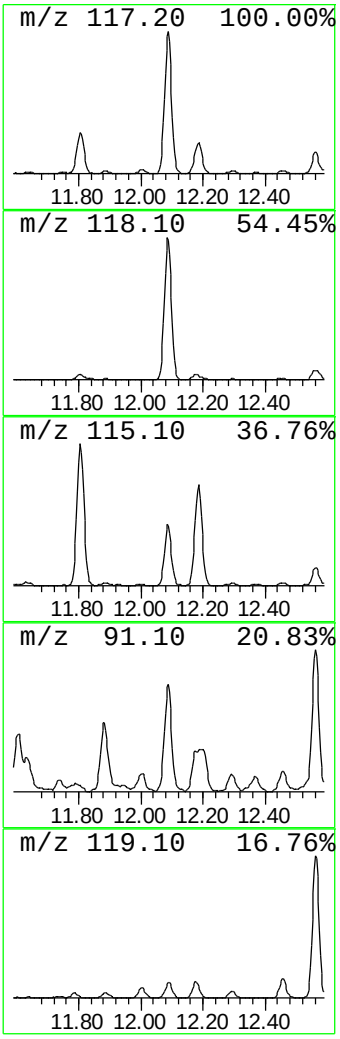
Peak Number 14 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	1.44 ug/L	298129	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	76
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
5	Indane	118	C9H10	000496-11-7	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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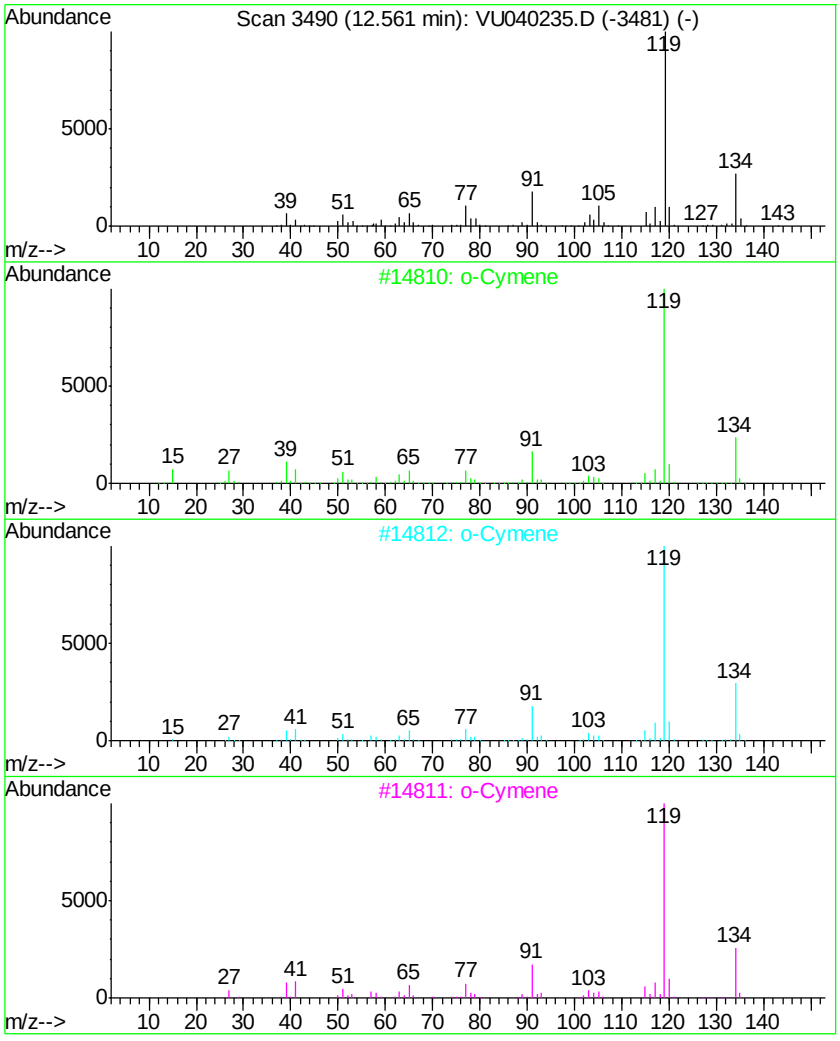
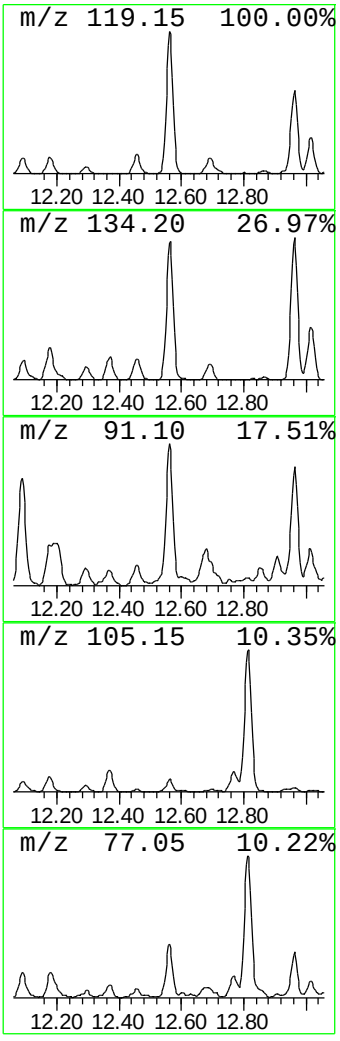
Peak Number 15 o-Cymene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	1.14 ug/L	237205	1,4-Dichlorobenzene-d4	11.81

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

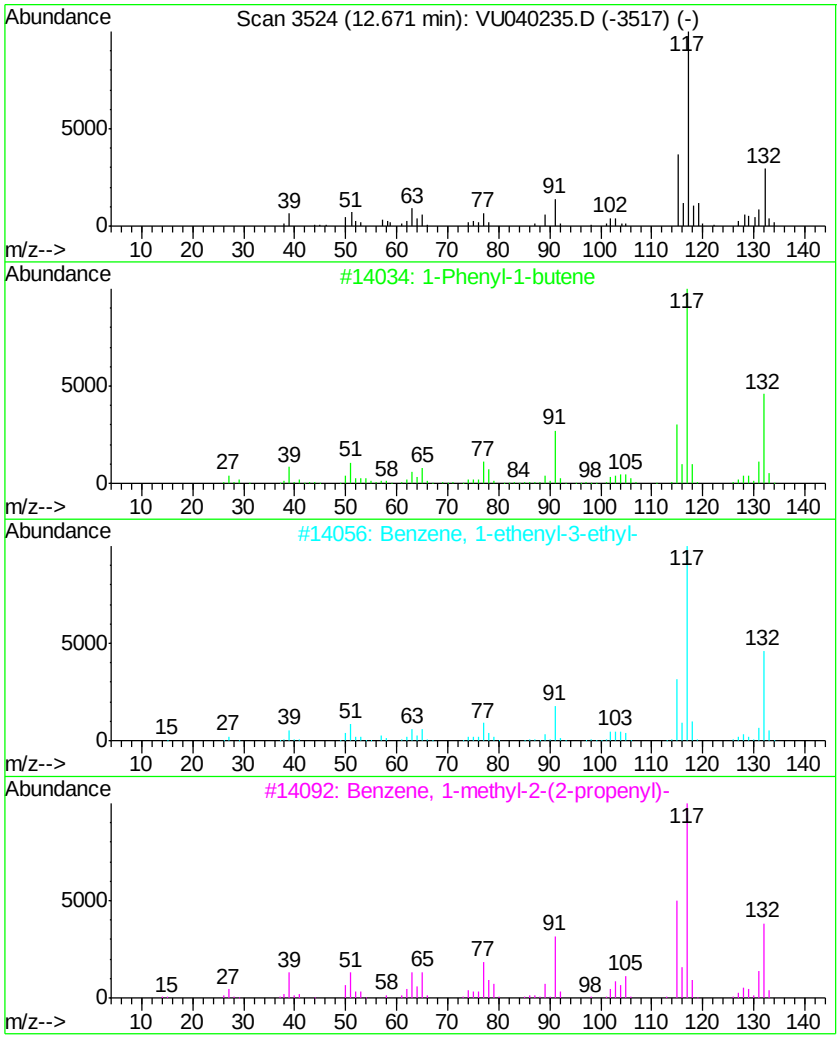
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

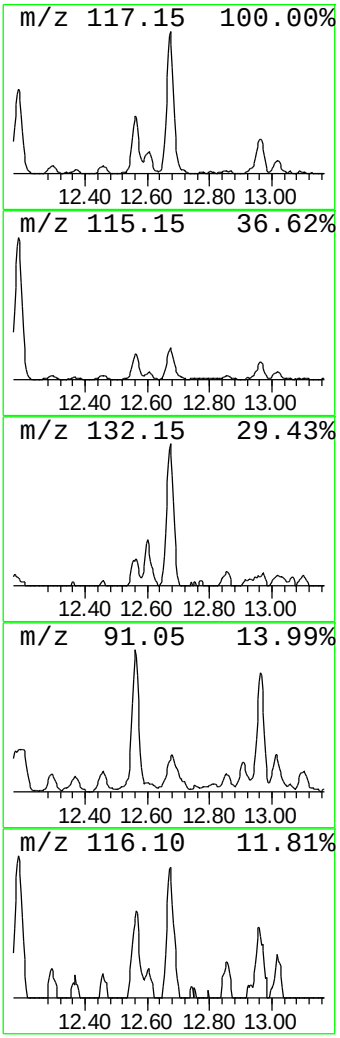
****

Peak Number 16 1-Phenyl-1-butene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	0.53 ug/L	110075	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	87
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87





Library Search Compound Report

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Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

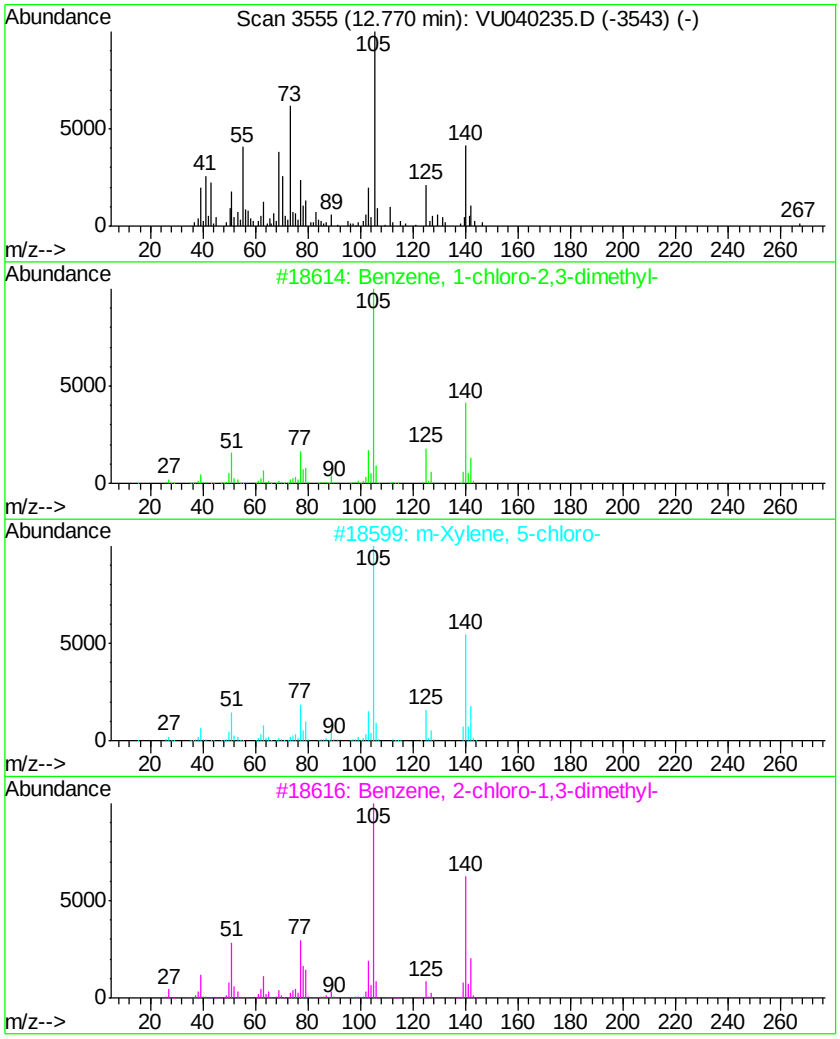
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

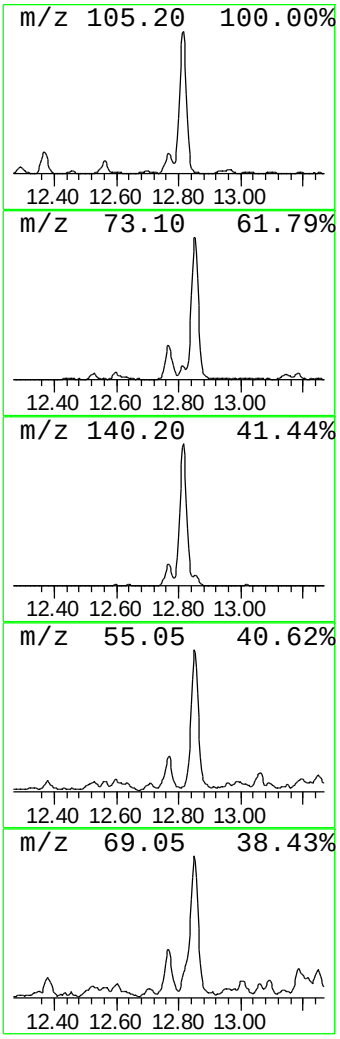
****

Peak Number 17 Benzene, 1-chloro-2,3-dimet... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	0.60 ug/L	125007	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-2,3-dimethyl-	140	C8H9Cl	000608-23-1	96
2	m-Xylene, 5-chloro-	140	C8H9Cl	000556-97-8	95
3	Benzene, 2-chloro-1,3-dimethyl-	140	C8H9Cl	006781-98-2	93
4	Benzene, 4-chloro-1,2-dimethyl-	140	C8H9Cl	000615-60-1	90
5	Benzene, 4-chloro-1,2-dimethyl-	140	C8H9Cl	000615-60-1	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

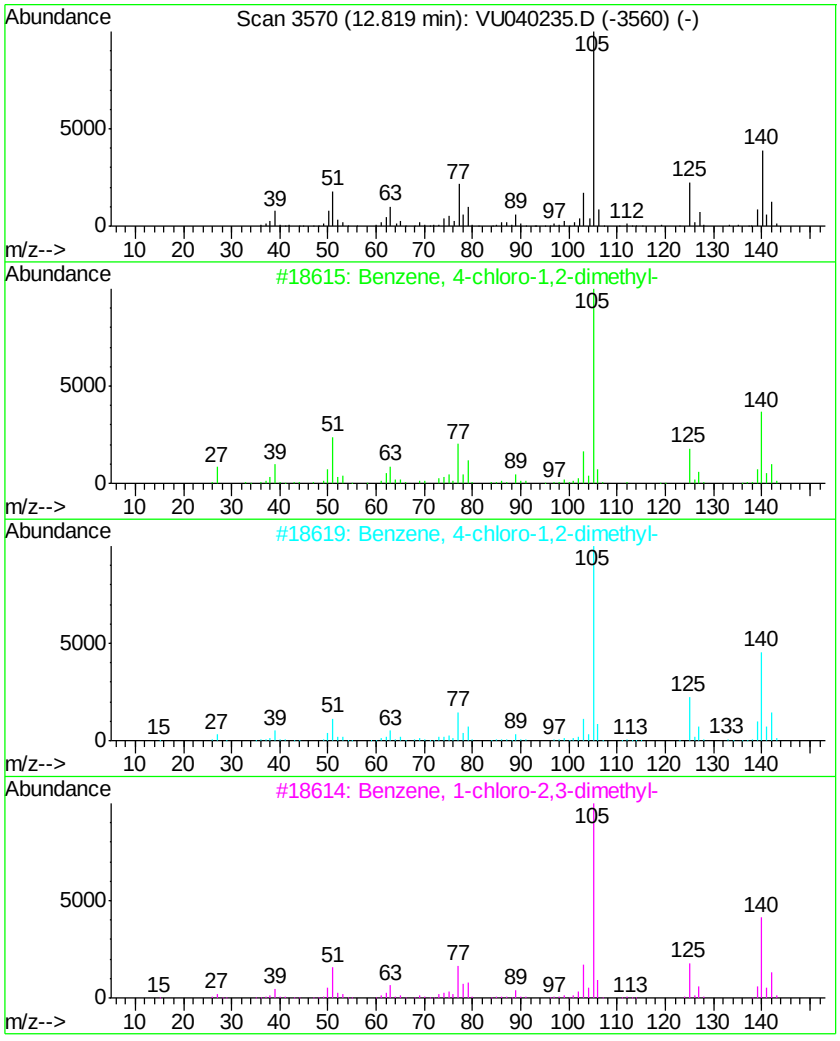
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

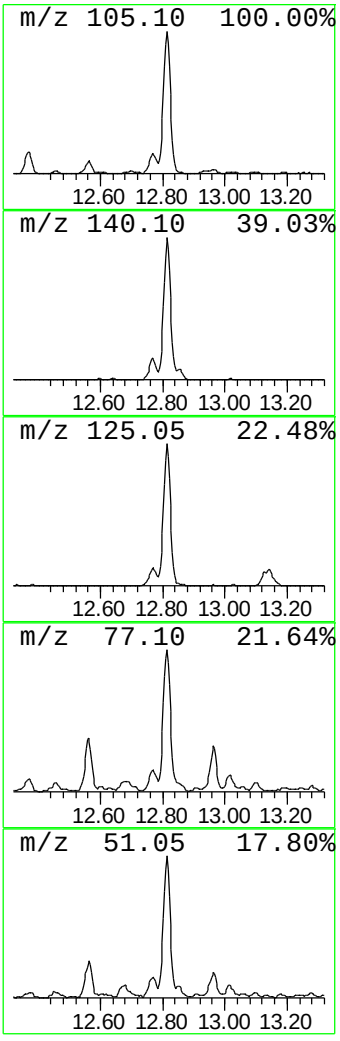
****

Peak Number 18 Benzene, 4-chloro-1,2-dimet... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	2.23 ug/L	462410	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-chloro-1,2-dimethyl-	140	C8H9Cl	000615-60-1	96
2	Benzene, 4-chloro-1,2-dimethyl-	140	C8H9Cl	000615-60-1	95
3	Benzene, 1-chloro-2,3-dimethyl-	140	C8H9Cl	000608-23-1	94
4	m-Xylene, 5-chloro-	140	C8H9Cl	000556-97-8	93
5	Benzene, 2-chloro-1,4-dimethyl-	140	C8H9Cl	000095-72-7	93





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Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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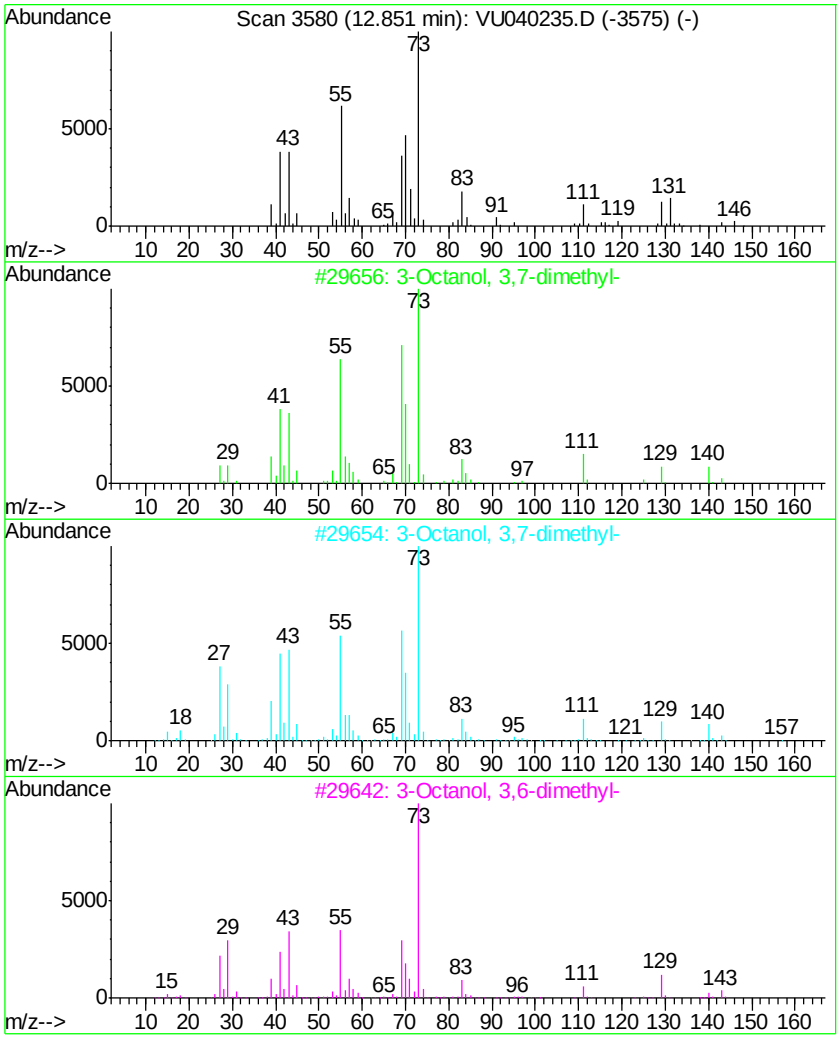
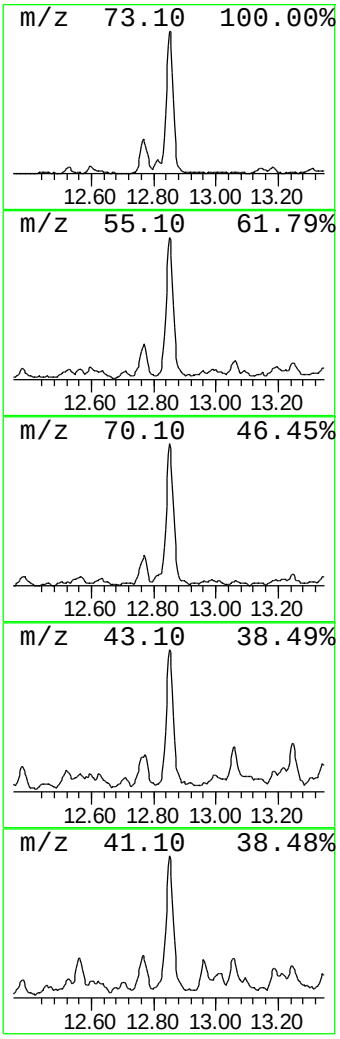
Peak Number 19 3-Octanol, 3,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	1.14 ug/L	236338	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	59
2	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	50
3	3-Octanol, 3,6-dimethyl-	158	C10H22O	000151-19-9	40
4	1-Octanol, 3,7-dimethyl-	158	C10H22O	000106-21-8	32
5	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	27





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Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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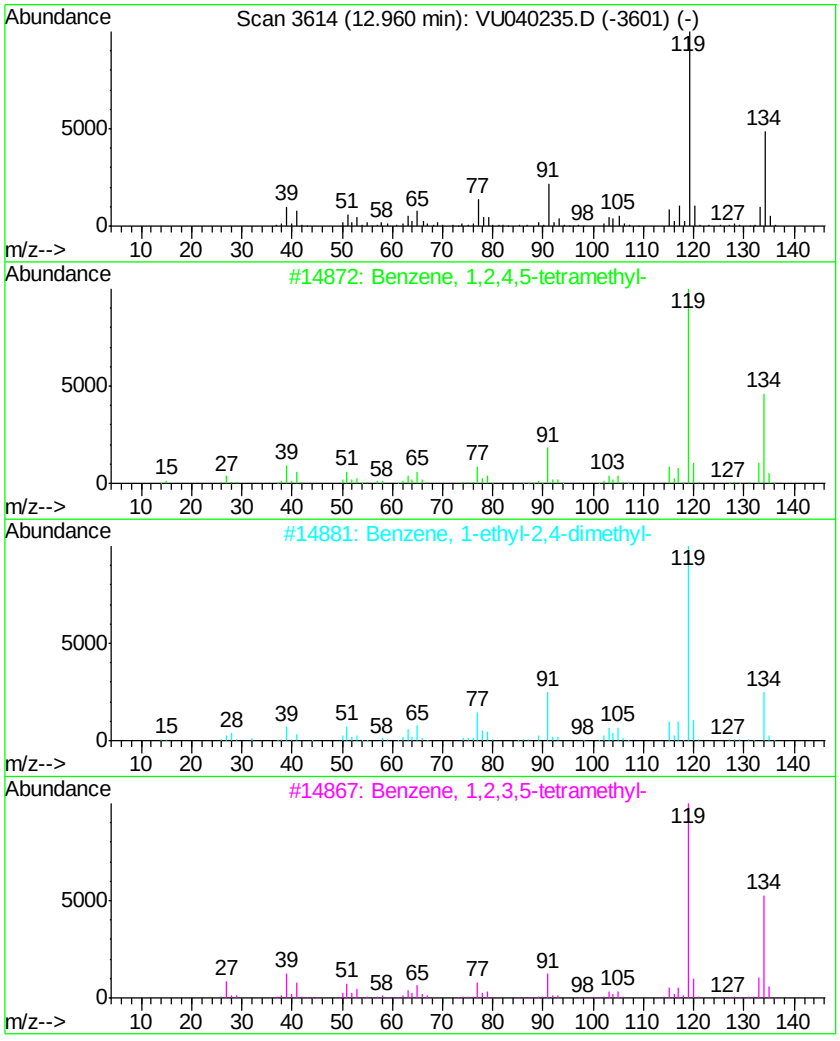
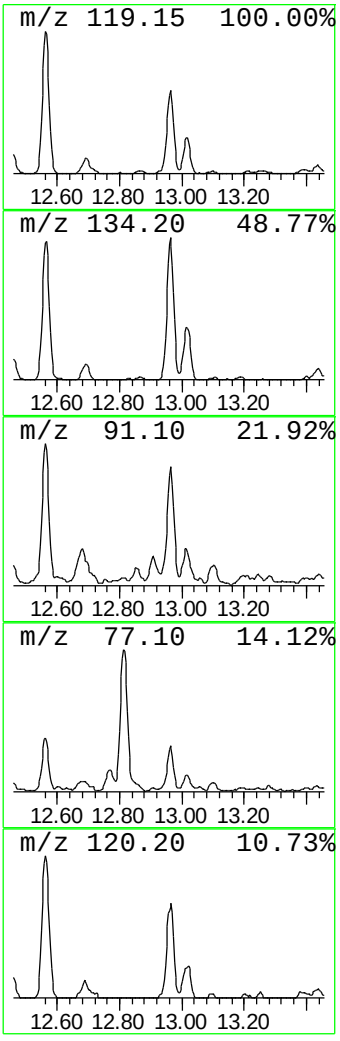
Peak Number 20 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	0.92 ug/L	190114	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

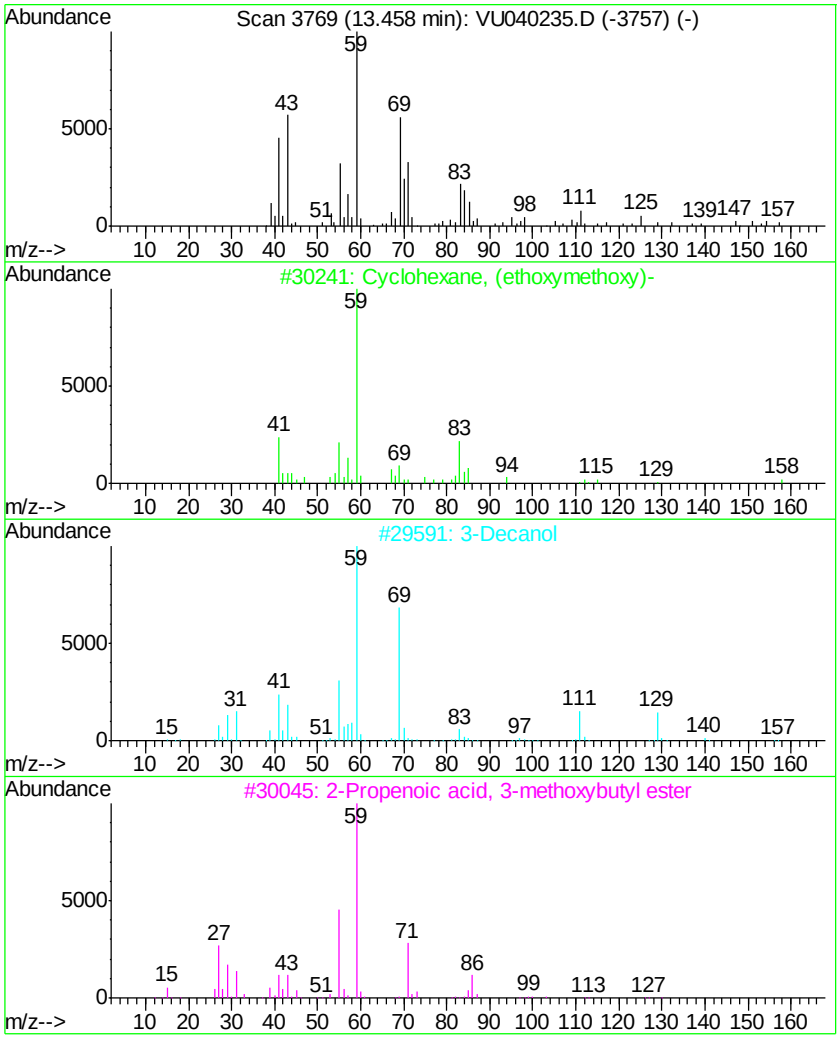
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

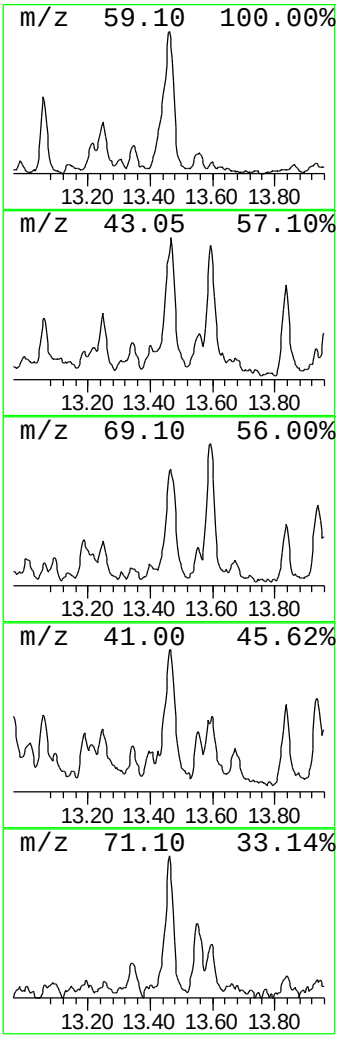
****

Peak Number 21 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	0.88 ug/L	182523	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (ethoxymethoxy)-	158	C9H18O2	054699-29-5	43
2	3-Decanol	158	C10H22O	001565-81-7	38
3	2-Propenoic acid, 3-methoxybutyl...	158	C8H14O3	002768-07-2	38
4	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	38
5	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	35





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Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

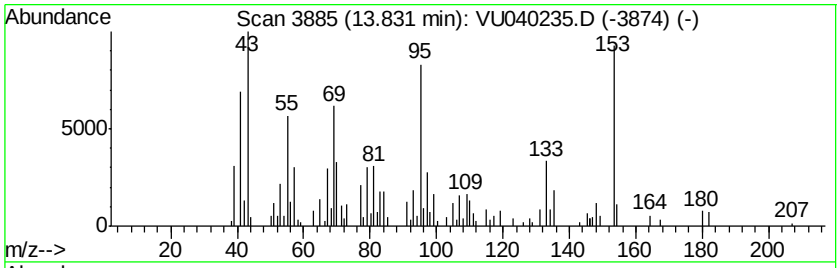
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

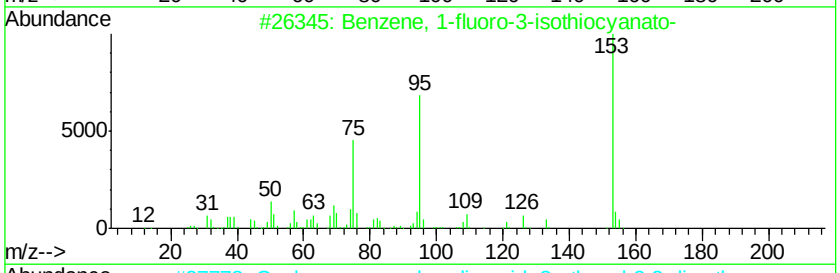
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

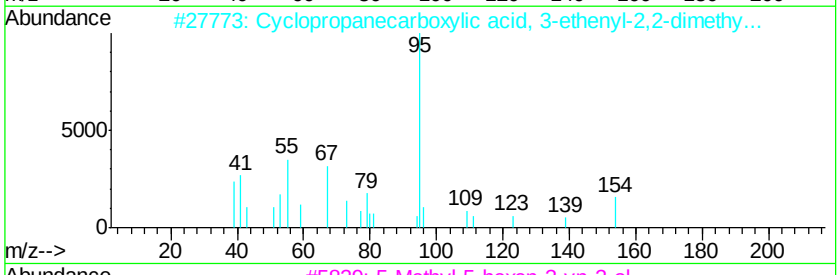
****
Peak Number 22 Benzene, 1-fluoro-3-isothio... Concentration Rank 23

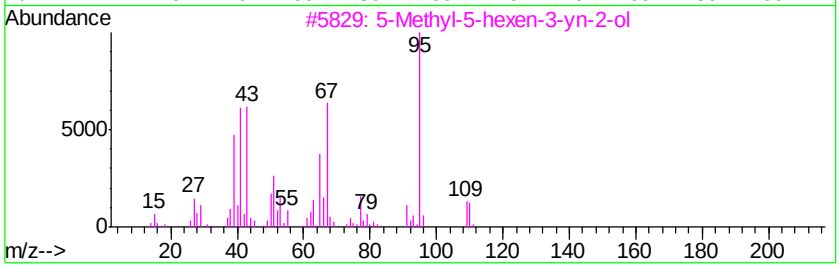
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	0.56 ug/L	116955	1,4-Dichlorobenzene-d4	11.81

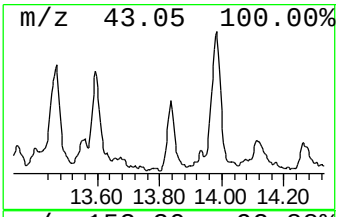
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-fluoro-3-isothiocyanato-	153	C7H4FNS	000404-72-8	53
2	Cyclopropanecarboxylic acid, 3-e...	154	C9H14O2	041977-59-7	38
3	5-Methyl-5-hexen-3-yn-2-ol	110	C7H10O	068017-33-4	38
4	1-Methyl-4-ethylaminocytosine	153	C7H11N3O	092876-77-2	35
5	2(1H)-Pyridinethione, 1,4,6-trim...	153	C8H11NS	019006-70-3	27

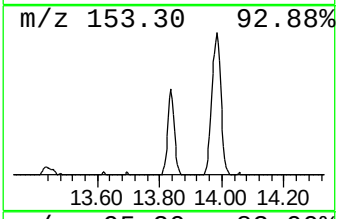


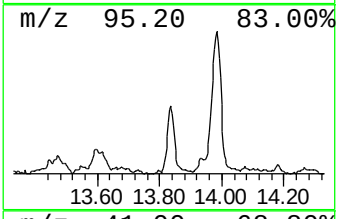


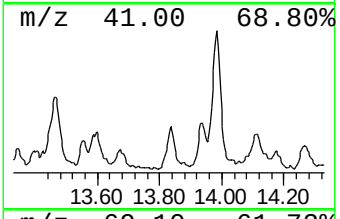


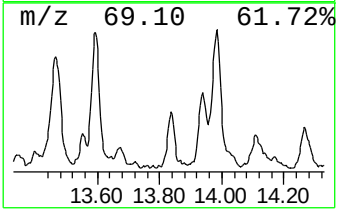












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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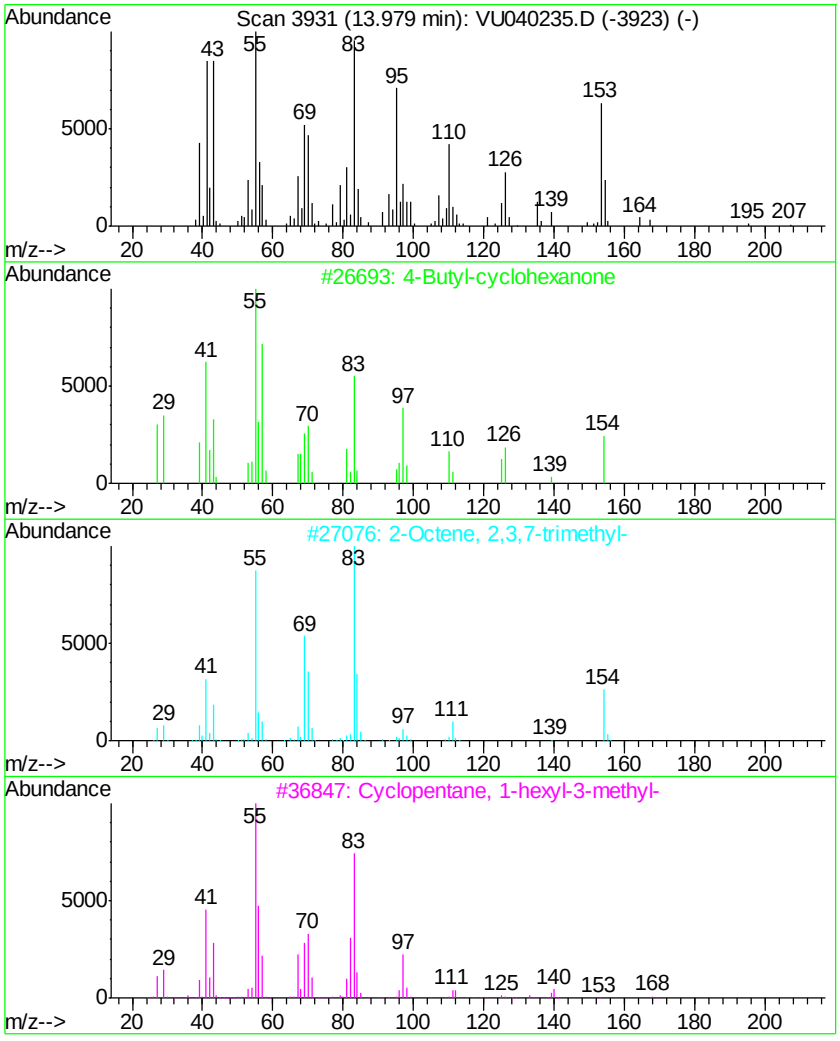
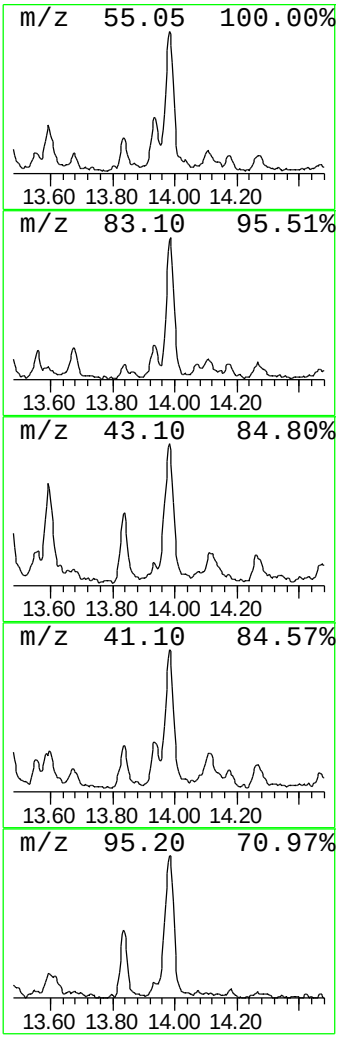
Peak Number 23 4-Butyl-cyclohexanone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	1.34 ug/L	277746	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Butyl-cyclohexanone	154	C10H18O	061203-82-5	53
2	2-Octene, 2,3,7-trimethyl-	154	C11H22	033933-75-4	41
3	Cyclopentane, 1-hexyl-3-methyl-	168	C12H24	061142-68-5	38
4	5H-1,2,4-Triazolo[4,3-b][1,2,4]t...	153	C6H11N5	062170-16-5	38
5	3-Methyldec-3-ene	154	C11H22	036969-75-2	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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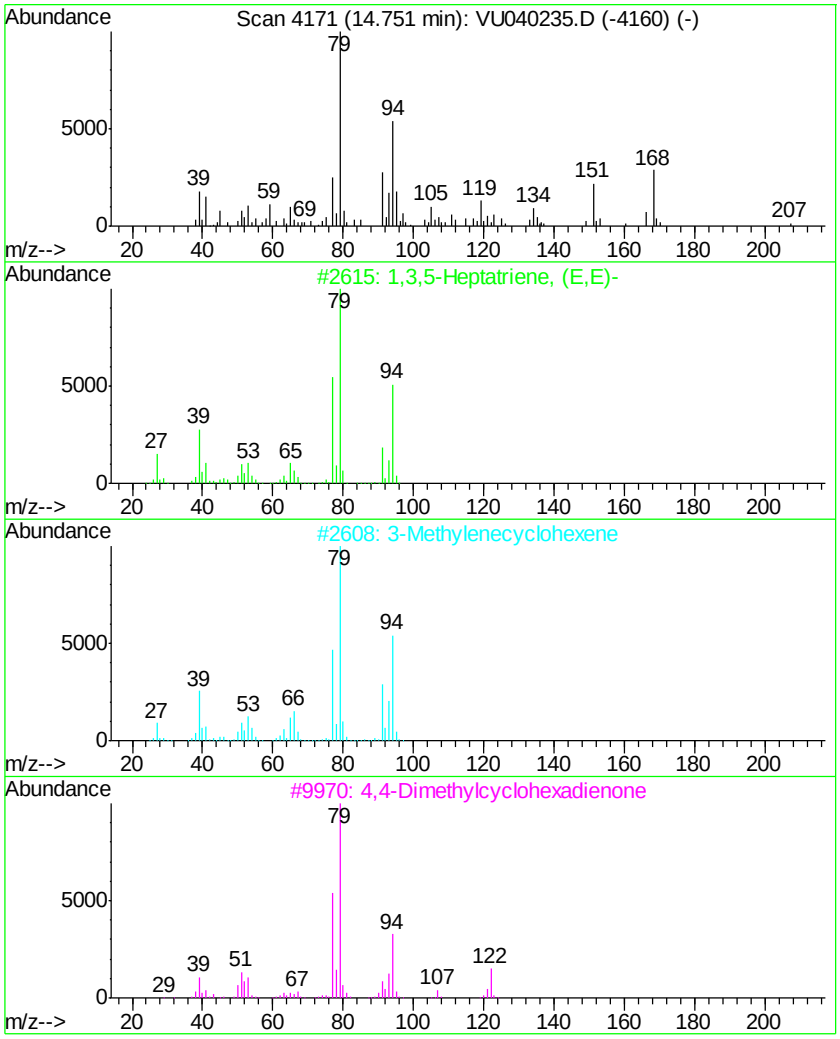
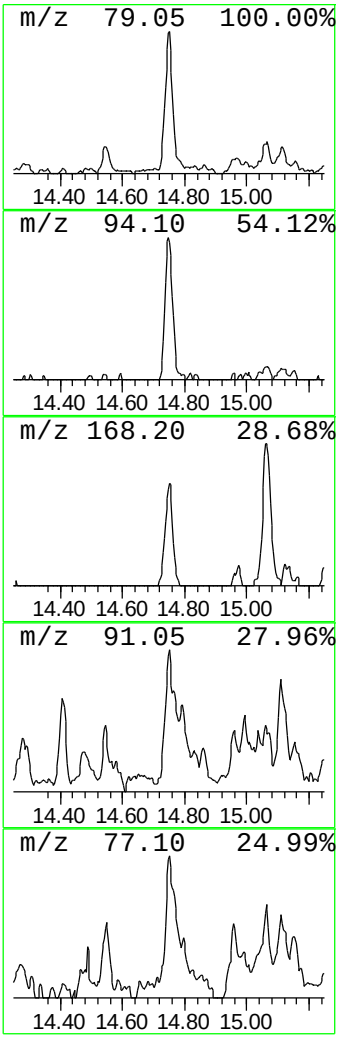
Peak Number 24 unknown-03 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	0.52 ug/L	107656	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Heptatriene, (E,E)-	94	C7H10	017679-93-5	49
2	3-Methylenecyclohexene	94	C7H10	001888-90-0	46
3	4,4-Dimethylcyclohexadienone	122	C8H10O	001073-14-9	43
4	1,3,5-Hexatriene, 3-methyl-, (Z)-	94	C7H10	024587-27-7	43
5	1,4-Cyclohexadiene, 1-methyl-	94	C7H10	004313-57-9	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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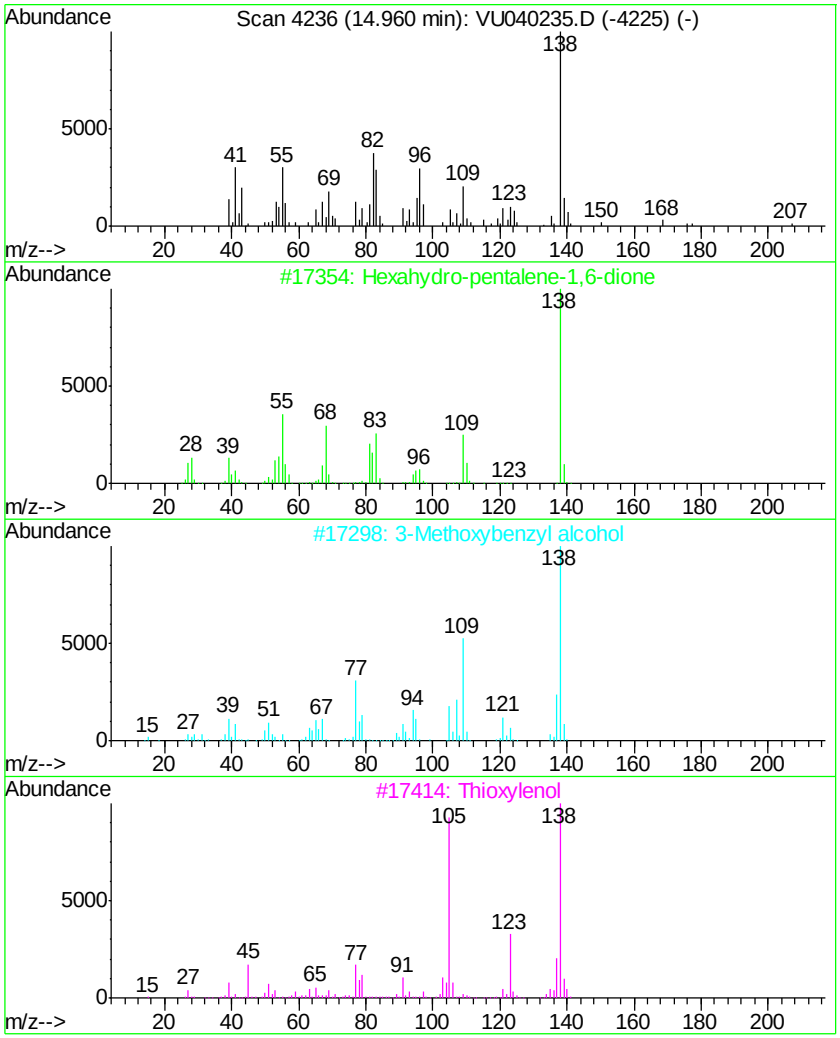
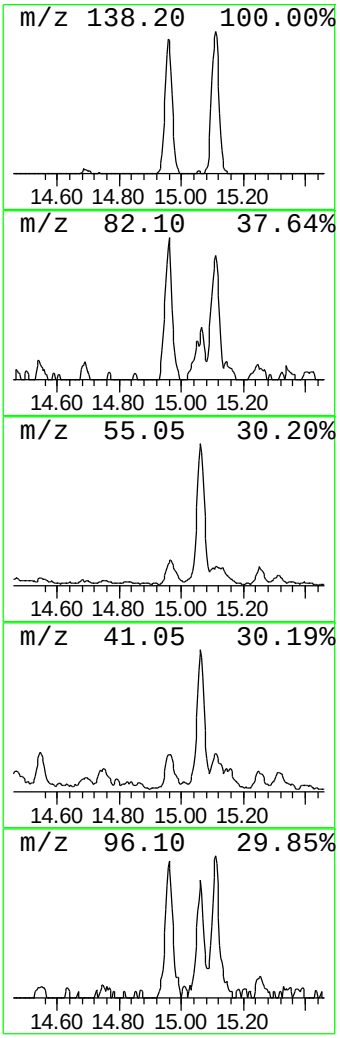
Peak Number 25 Hexahydro-pentalene-1,6-dione Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	0.55 ug/L	113925	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexahydro-pentalene-1,6-dione	138	C8H10O2	090953-74-5	52
2	3-Methoxybenzyl alcohol	138	C8H10O2	006971-51-3	46
3	Thioxylenol	138	C8H10S	025550-52-1	45
4	3-Methoxybenzyl alcohol	138	C8H10O2	006971-51-3	43
5	Benzene, 1,3-dimethoxy-	138	C8H10O2	000151-10-0	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

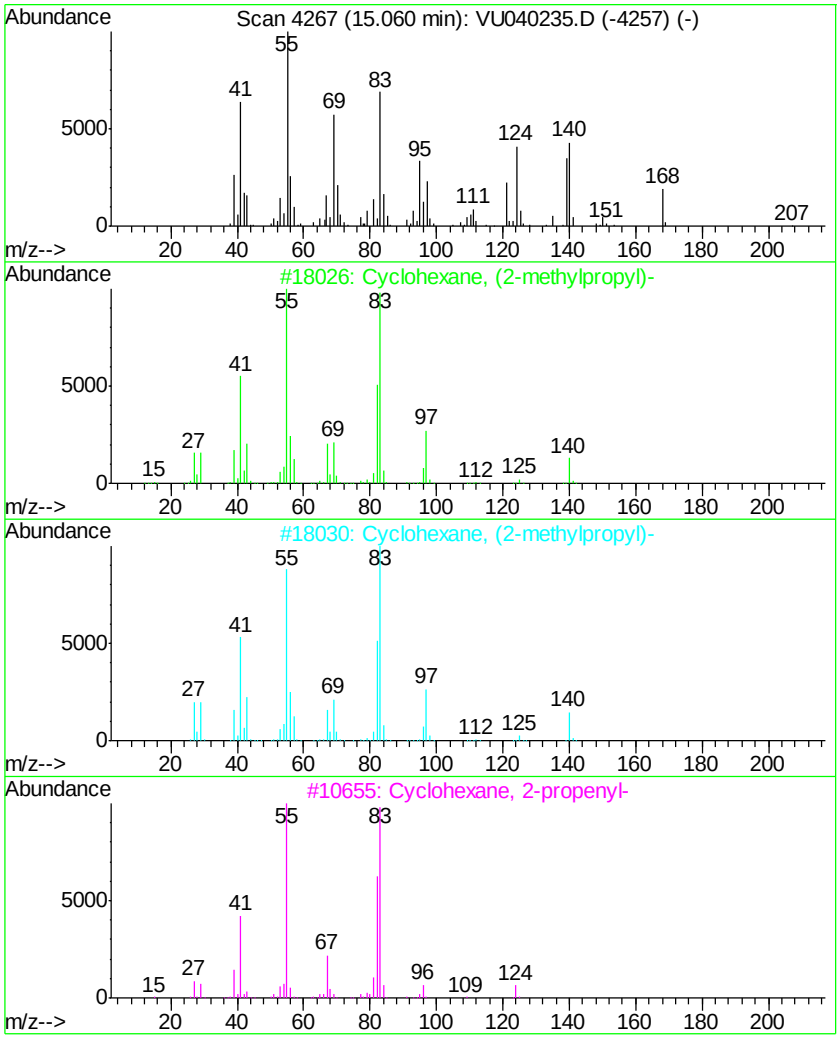
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

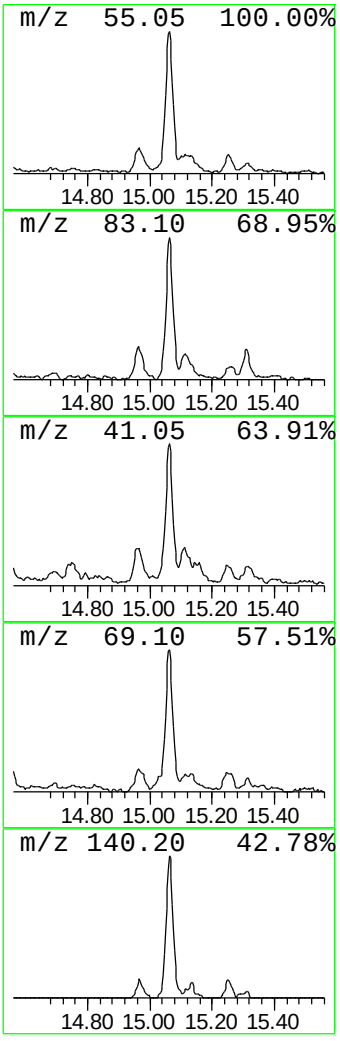
****

Peak Number 26 (DEL) Alkane: Cyclic15.06 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	1.00 ug/L	207860	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	50
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	50
3	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	38
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	38
5	Cyclopropane, 1,1,2-trimethyl-3-...	140	C10H20	041977-43-9	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092120\
Data File : VU040235.D
Acq On : 21 Sep 2020 15:49
Operator : SY/MD
Sample : L4046-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.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
Ethyl ether	2.39	25.4	ug/L	2288840	1	6.26	450579	5.0
Methylal	2.66	1.0	ug/L	90197	1	6.26	450579	5.0
(DEL) Alkane: Str...	3.10	1.3	ug/L	113884	1	6.26	450579	5.0
(DEL) Alkane: Str...	3.72	2.5	ug/L	224620	1	6.26	450579	5.0
Diisopropyl ether	4.01	98.2	ug/L	8846720	1	6.26	450579	5.0
(DEL) Alkane: Cyc...	4.55	8.7	ug/L	779426	1	6.26	450579	5.0
Furan, tetrahydro...	7.72	1.0	ug/L	90782	1	6.26	450579	5.0
3-Heptanone, 6-me...	10.89	3.2	ug/L	671251	3	11.81	1036630	5.0
Benzene, 1-ethyl-...	11.29	1.0	ug/L	205613	3	11.81	1036630	5.0
Benzene, tert-butyl-	11.41	1.5	ug/L	317971	3	11.81	1036630	5.0
3,6-Dimethyl-2,3,...	11.48	0.9	ug/L	195696	3	11.81	1036630	5.0
unknown-01	11.63	0.7	ug/L	136789	3	11.81	1036630	5.0
Indane	12.09	1.4	ug/L	298129	3	11.81	1036630	5.0
o-Cymene	12.56	1.1	ug/L	237205	3	11.81	1036630	5.0
1-Phenyl-1-butene	12.67	0.5	ug/L	110075	3	11.81	1036630	5.0
Benzene, 1-chloro...	12.77	0.6	ug/L	125007	3	11.81	1036630	5.0
Benzene, 4-chloro...	12.82	2.2	ug/L	462410	3	11.81	1036630	5.0
3-Octanol, 3,7-di...	12.85	1.1	ug/L	236338	3	11.81	1036630	5.0
Benzene, 1,2,4,5-...	12.96	0.9	ug/L	190114	3	11.81	1036630	5.0
unknown-02	13.46	0.9	ug/L	182523	3	11.81	1036630	5.0
Benzene, 1-fluoro...	13.83	0.6	ug/L	116955	3	11.81	1036630	5.0
4-Butyl-cyclohexa...	13.98	1.3	ug/L	277746	3	11.81	1036630	5.0
unknown-03	14.75	0.5	ug/L	107656	3	11.81	1036630	5.0
Hexahydro-pentale...	14.96	0.6	ug/L	113925	3	11.81	1036630	5.0
(DEL) Alkane: Cyc...	15.06	1.0	ug/L	207860	3	11.81	1036630	5.0