LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

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\SOMUTR050720WMA.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	1.613	75	85	93	rBV2	152605	202623	1.04%	0.229%
2	1.932	177	184	203	rVB2	135468	244131	1.25%	0.276%
3	2.401	318	330	350	rBV	3672423	5515684	28.24%	6.233%
4	2.594	378	390	402	rBV	238600	394317	2.02%	0.446%
5	3.115	543	552	564	rVB2	104200	202066	1.03%	0.228%
6	3.395	624	639	661	rVB2	291109	666656	3.41%	0.753%
7	3.736	729	745	767	rVB	219483	495424	2.54%	0.560%
8	4.035	817	838	883	rBV	7500467	19534832	100.00%	22.076%
9	4.572	987	1005	1023	rBV	765929	1836273	9.40%	2.075%
10	4.678	1024	1038	1074	rVV2	129415	432646	2.21%	0.489%
11	5.102	1155	1170	1184	rBV2	219295	472007	2.42%	0.533%
12	5.424	1253	1270	1284	rBV3	211149	485825	2.49%	0.549%
13	5.761	1356	1375	1384	rBV2	435290	1128174	5.78%	1.275%
14	5.809	1384	1390	1402	rVB	225814	402230	2.06%	0.455%
15	5.883	1402	1413	1423	rBV3	88117	198219	1.01%	0.224%
16	6.279	1522	1536	1566	rVB	377626	736284	3.77%	0.832%
17	6.723	1659	1674	1684	rBV	270260	541635	2.77%	0.612%
18	6.790	1685	1695	1720	rVB3	145476	340159	1.74%	0.384%
19	7.591	1933	1944	1954	rBV	138480	244594	1.25%	0.276%
20	7.742	1977	1991	2021	rVB2	108613	247373	1.27%	0.280%
21	7.922	2039	2047	2062	rVB	549002	962288	4.93%	1.087%
22	8.655	2263	2275	2319	rBV	615228	1556073	7.97%	1.758%
23	9.465	2505	2527	2560	rBV	8886207	16151973	82.68%	18.253%
24	10.124	2713	2732	2750	rVB5	175627	409508	2.10%	0.463%
25	10.501	2834	2849	2877	rBV	10591914	17378759	88.96%	19.639%
26	10.771	2926	2933	2942	rVB	223492	355604	1.82%	0.402%
27	10.906	2959	2975	2996	rBV2	908109	1687495	8.64%	1.907%
28	11.002	2996	3005	3014	rBV2	125792	246441	1.26%	0.278%
29	11.304	3089	3099	3121	rVB2	351875	653878	3.35%	0.739%
30	11.433	3121	3139	3148	rBV	475736	823962	4.22%	0.931%
31	11.623	3183	3198	3201	rBV4	109211	202602	1.04%	0.229%
32	11.652	3202	3207	3230	rVB4	189135	341495	1.75%	0.386%
33	11.828	3248	3262	3264	rBV	665368	1018789	5.22%	1.151%
34	11.899	3276	3284	3296	rVB2	1076406	1613798	8.26%	1.824%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

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\SOMUTR050720WMA.M
Title : TRACE VOA SOM01.0

35	12.105	3333	3348	3364	rVV3	456241	772470	3.95%	0.873%
36	12.208	3366	3380	3401	rVB3	799879	2072005	10.61%	2.342%
37	12.584	3480	3497	3506	rBV	457131	737059	3.77%	0.833%
38	12.697	3525	3532	3552	rVB4	117236	280006	1.43%	0.316%
39	12.796	3552	3563	3568	rBV3	203715	355219	1.82%	0.401%
40	12.838	3568	3576	3584	rVV	792081	1262137	6.46%	1.426%
41	12.883	3584	3590	3602	rVB	383501	592978	3.04%	0.670%
42	12.992	3614	3624	3633	rBV2	407017	617422	3.16%	0.698%
43	13.504	3768	3783	3802	rVB6	174672	503149	2.58%	0.569%
44	13.632	3816	3823	3838	rVB2	133389	245894	1.26%	0.278%
45	13.880	3887	3900	3914	rBV3	169767	335063	1.72%	0.379%
46	13.976	3921	3930	3937	rBV4	120827	216205	1.11%	0.244%
47	14.028	3937	3946	3958	rVB3	422375	780026	3.99%	0.881%
48	14.317	4025	4036	4049	rBV3	103023	212926	1.09%	0.241%
49	14.597	4114	4123	4145	rVB2	119813	241479	1.24%	0.273%
50	14.803	4177	4187	4197	rBV3	112734	283841	1.45%	0.321%
51	15.015	4239	4253	4269	rBV5	149633	368070	1.88%	0.416%
52	15.121	4276	4286	4295	rBV	419288	656047	3.36%	0.741%
53	16.967	4849	4860	4873	rBV2	131415	233499	1.20%	0.264%

Sum of corrected areas: 88489312

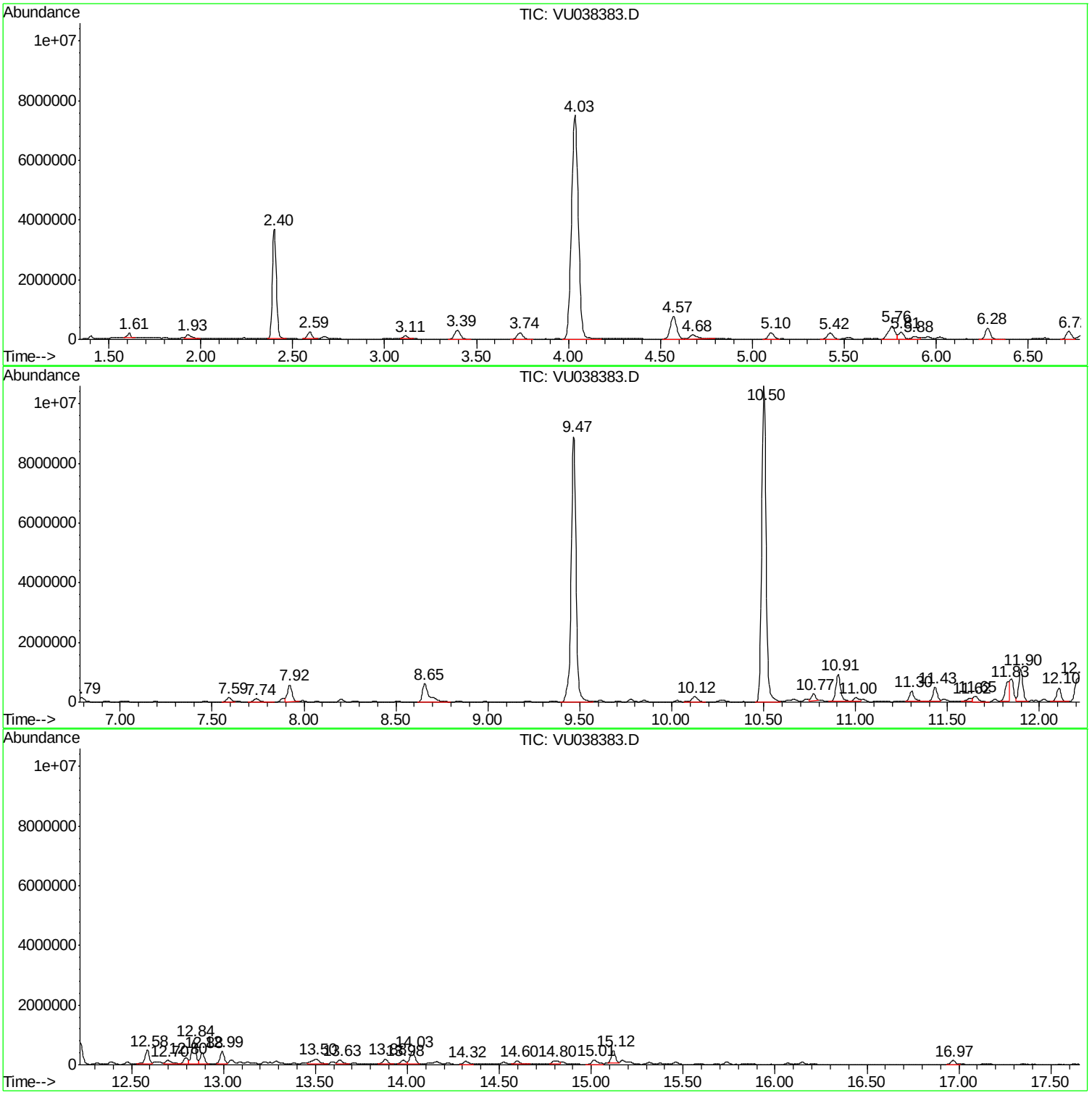
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.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\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

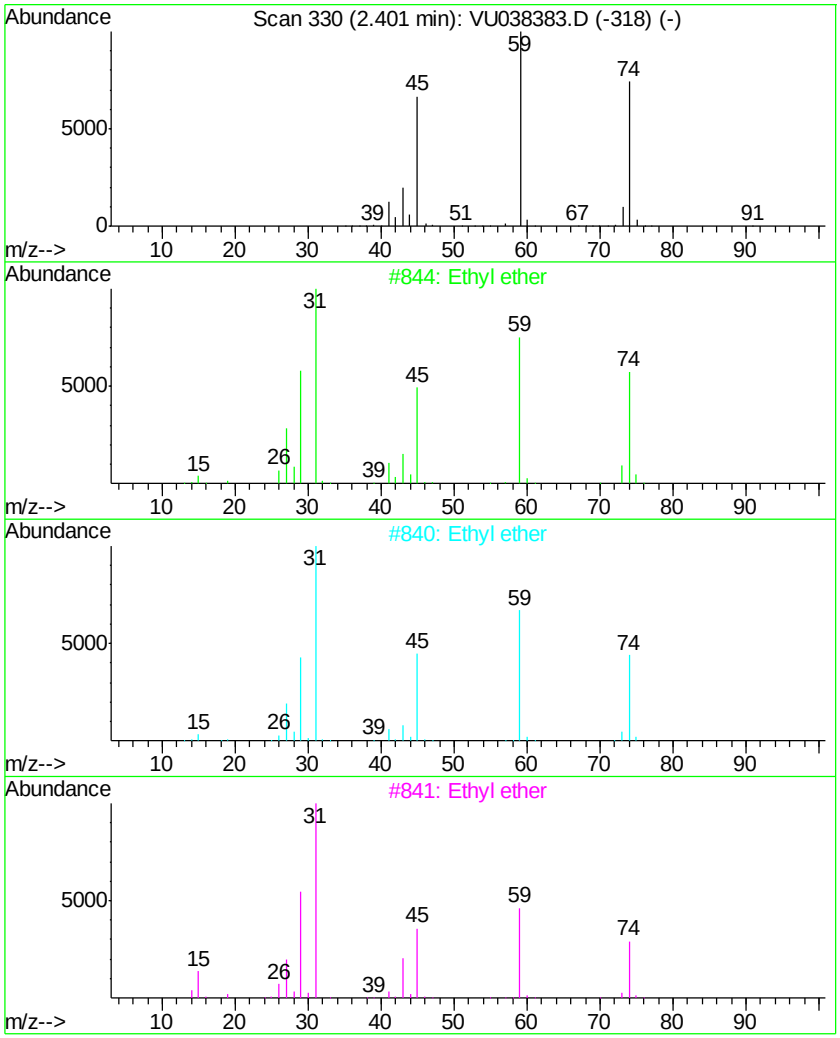
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

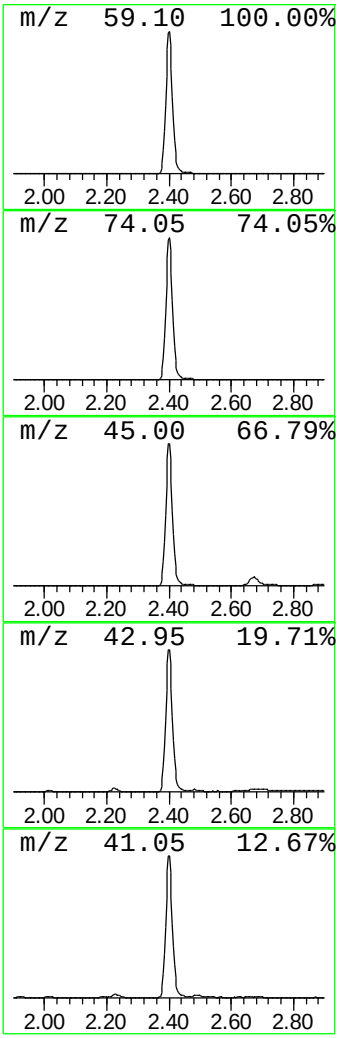
****

Peak Number 1 Ethyl ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.40	37.46 ug/L	5515680	1,4-Difluorobenzene	6.28

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	83
4	Ethyl ether	74	C4H10O	000060-29-7	72
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

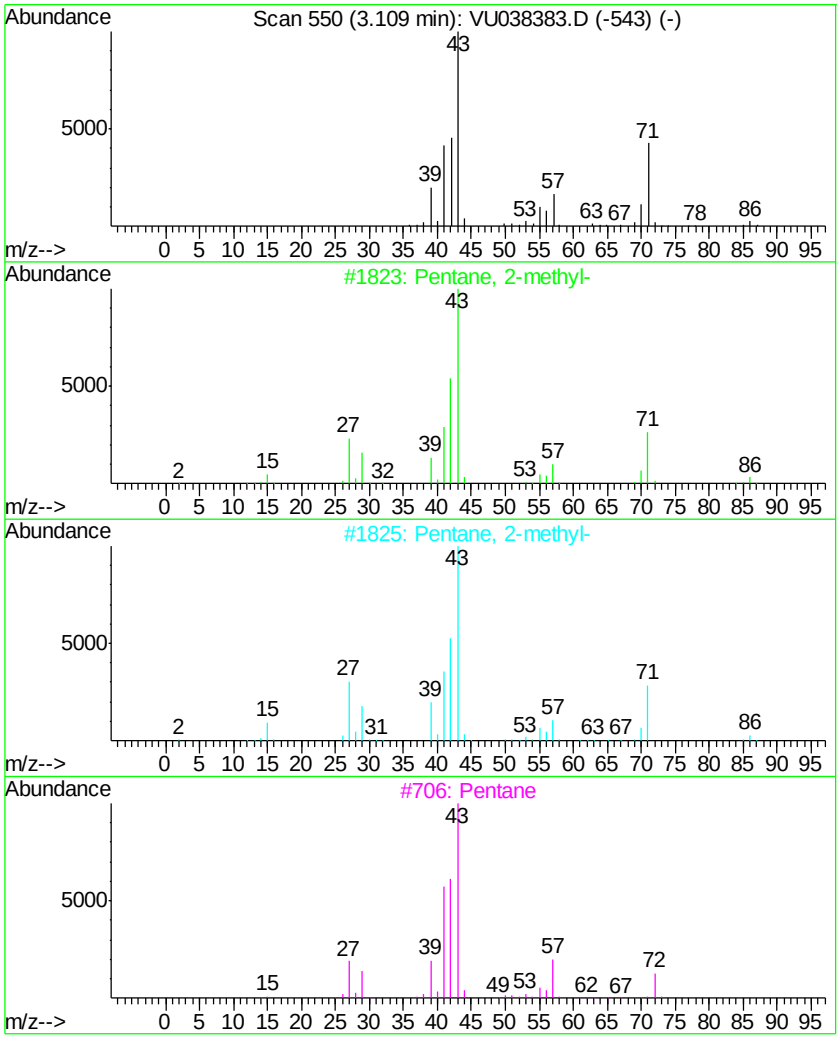
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

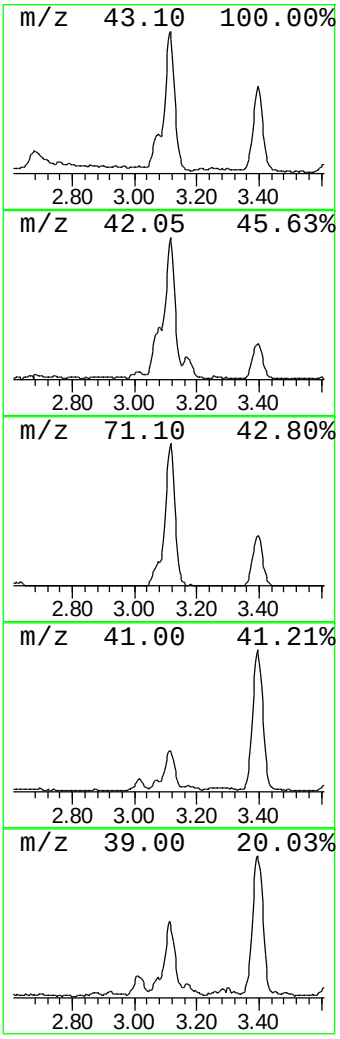
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.11	1.37 ug/L	202066	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Pentane	72	C5H12	000109-66-0	47
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	43
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

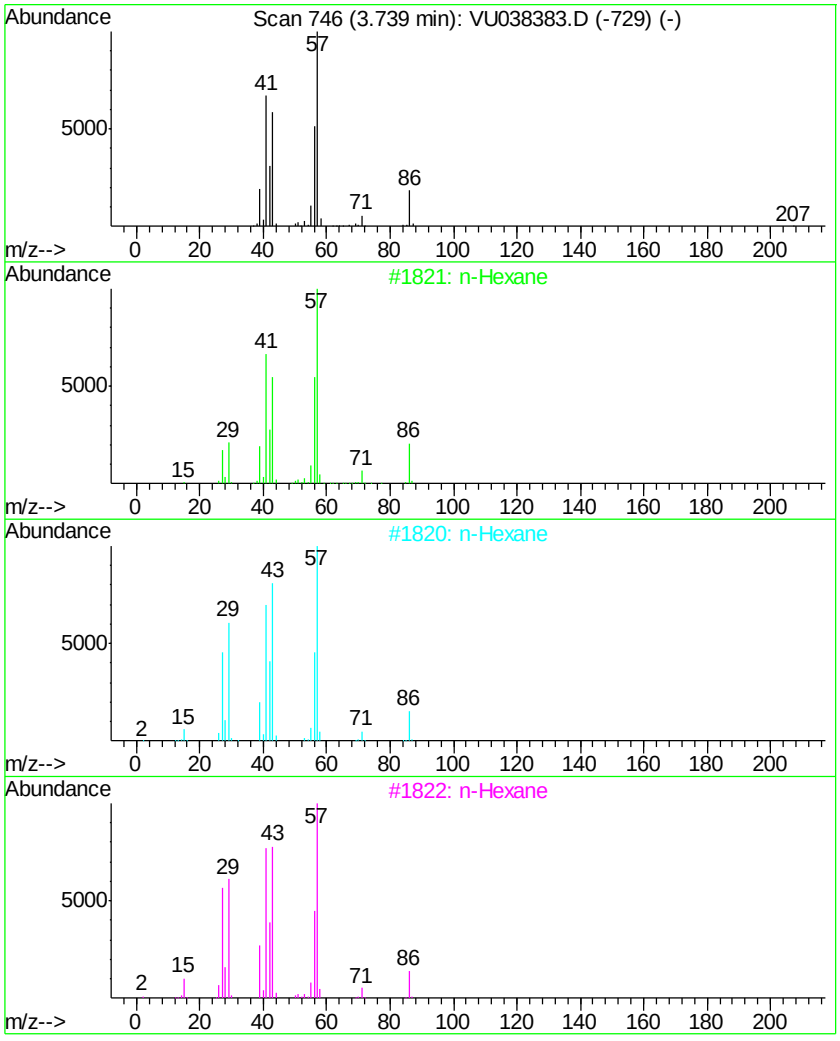
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

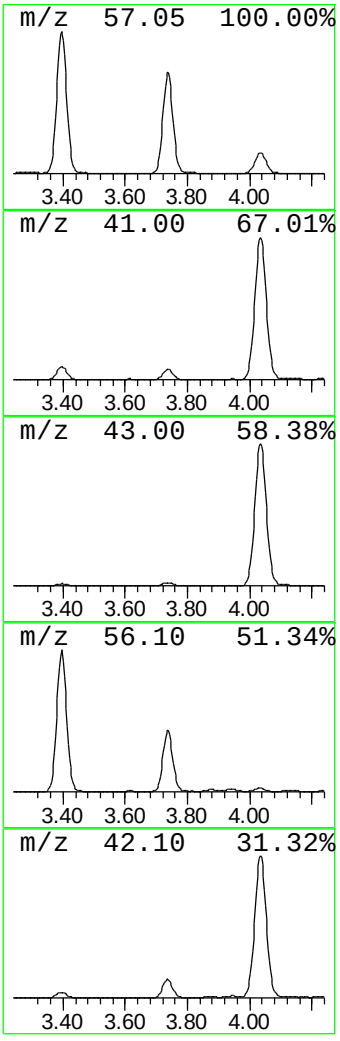
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	3.36 ug/L	495424	1,4-Difluorobenzene	6.28

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	78
3	n-Hexane	86	C6H14	000110-54-3	78
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

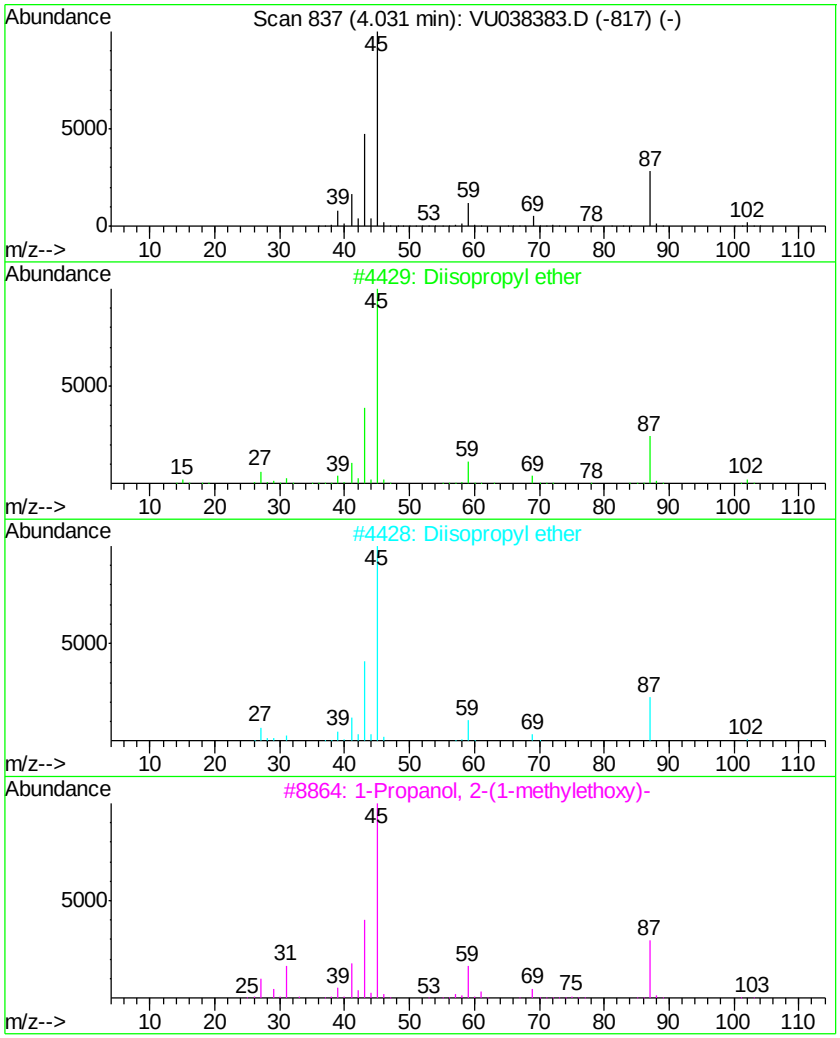
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

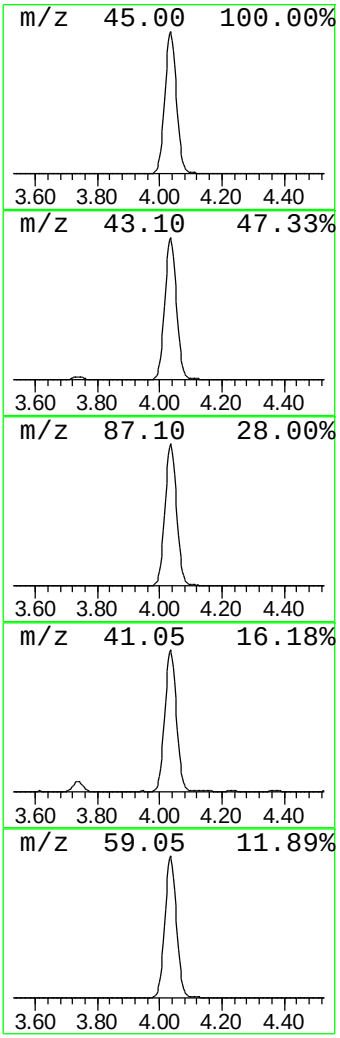
****

Peak Number 4 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.03	132.66 ug/L	19534800	1,4-Difluorobenzene	6.28

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	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	83
4	Diisopropyl ether	102	C6H14O	000108-20-3	83
5	Ether, sec-butyl isopropyl	116	C7H16O	018641-81-1	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

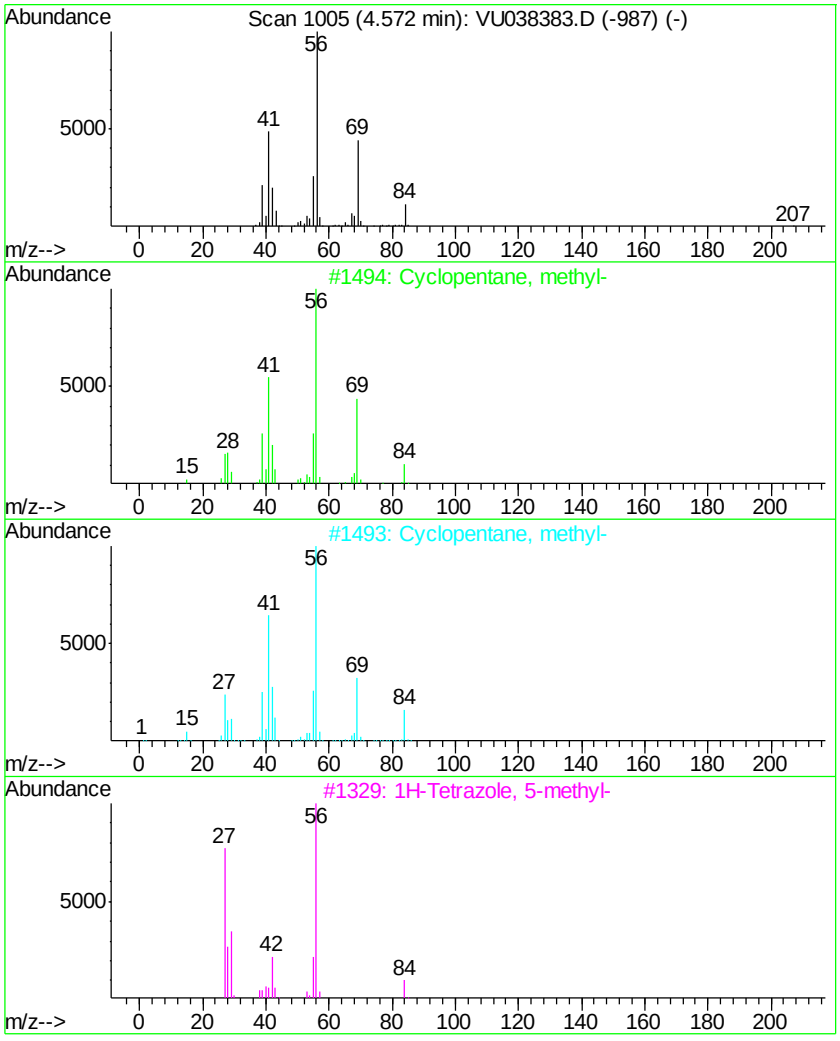
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

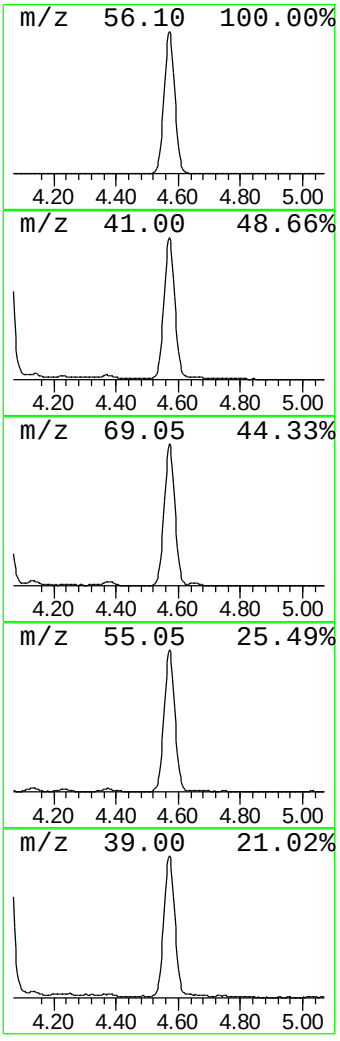
****

Peak Number 5 (DEL) Alkane: Cyclic4.57 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	12.47 ug/L	1836270	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
4	Cyclohexane	84	C6H12	000110-82-7	78
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

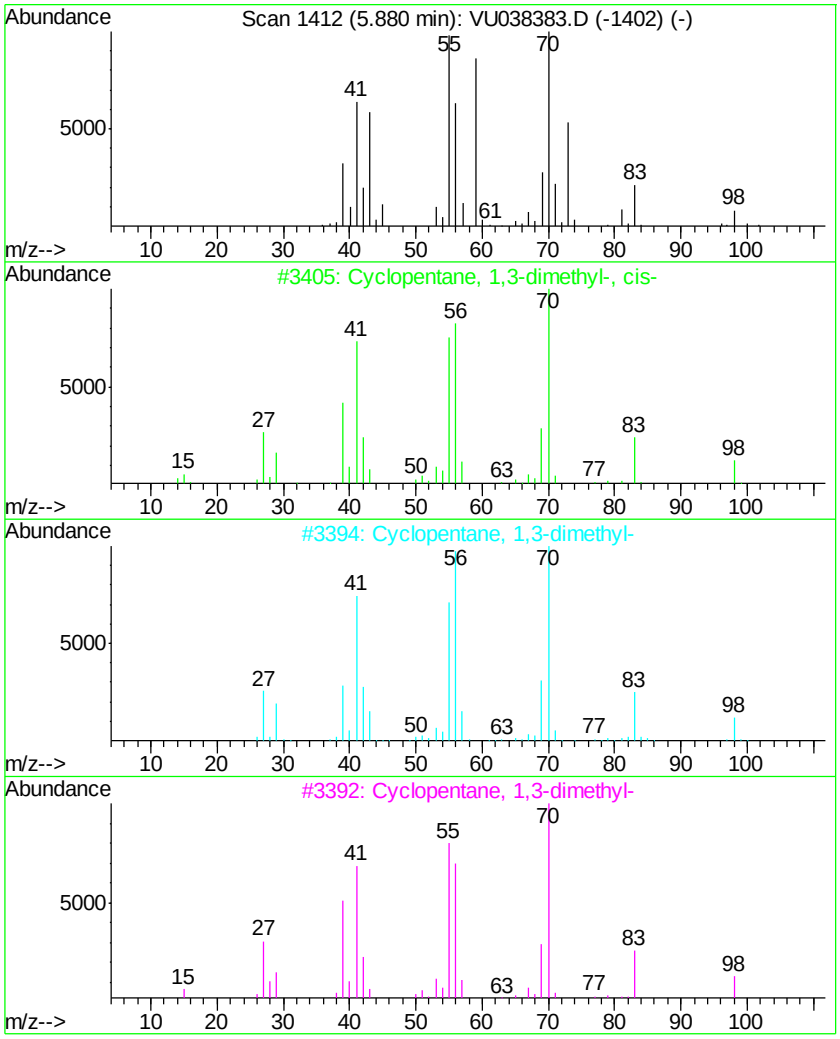
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

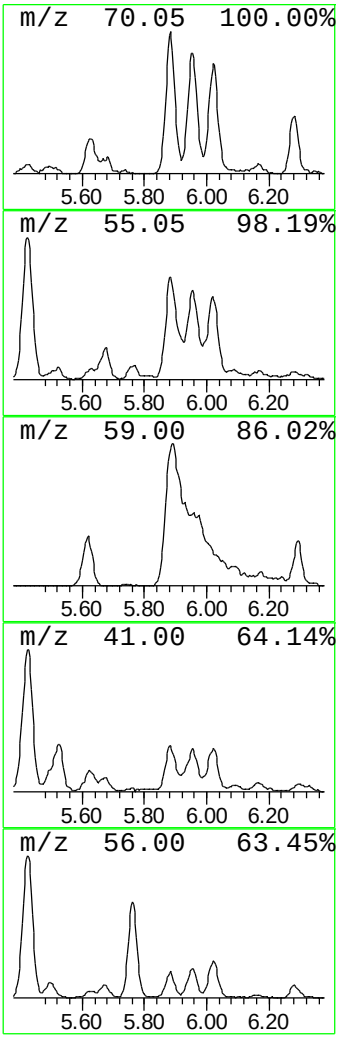
****

Peak Number 6 (DEL) Alkane: Cyclic5.88 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.88	1.35 ug/L	198219	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	60
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	53
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	46
5	Undecane, 3-methylene-	168	C12H24	071138-64-2	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

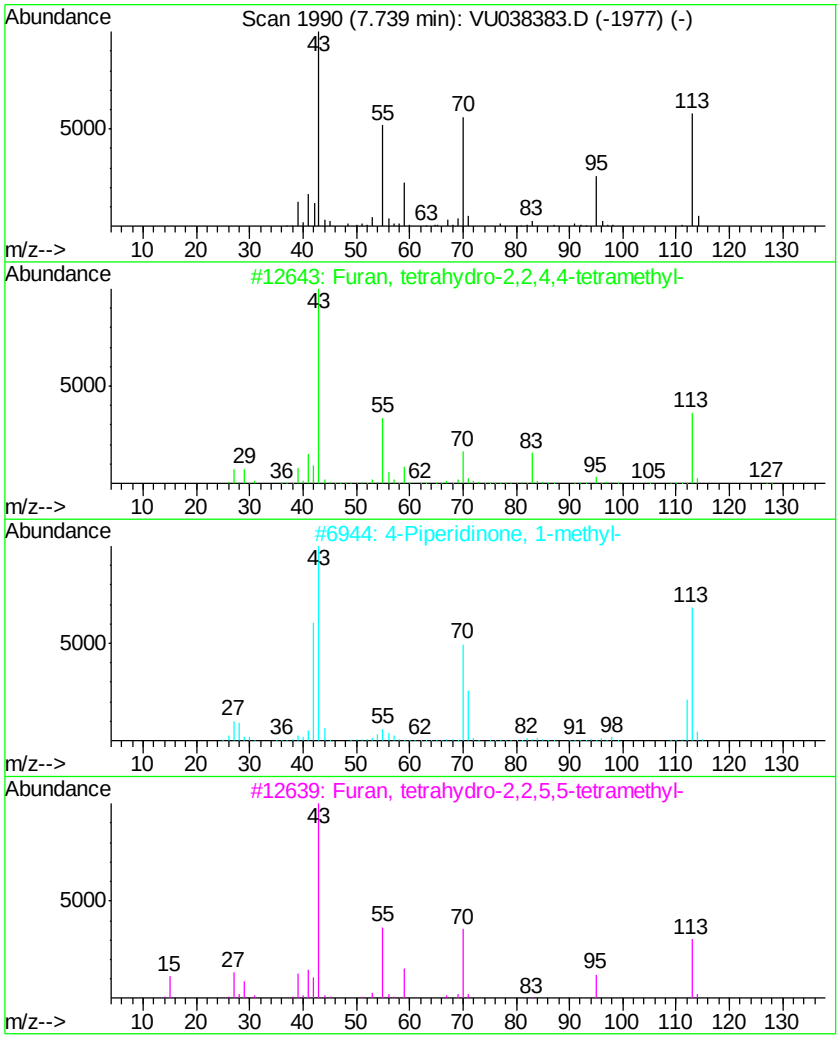
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

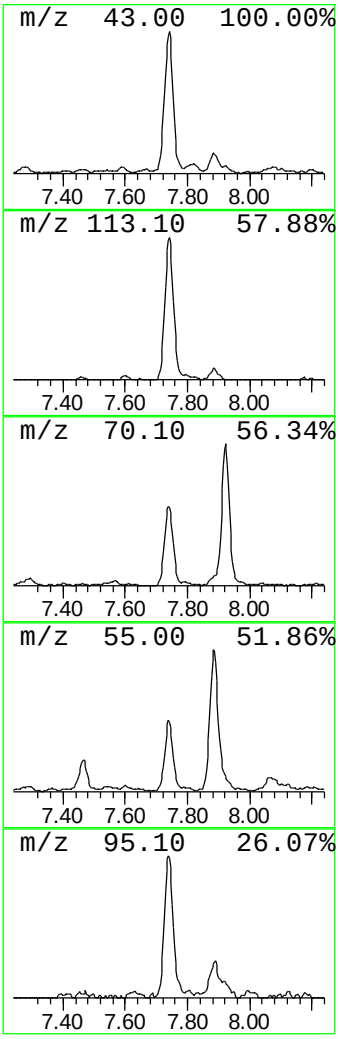
****

Peak Number 8 Furan, tetrahydro-2,2,4,4-t... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	1.68 ug/L	247373	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2,2,4,4-tetram...	128	C8H16O	003358-28-9	53
2	4-Piperidinone, 1-methyl-	113	C6H11NO	001445-73-4	50
3	Furan, tetrahydro-2,2,5,5-tetram...	128	C8H16O	015045-43-9	50
4	Furan, tetrahydro-2,2,5,5-tetram...	128	C8H16O	015045-43-9	47
5	Furan, tetrahydro-2,2,4,4-tetram...	128	C8H16O	003358-28-9	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

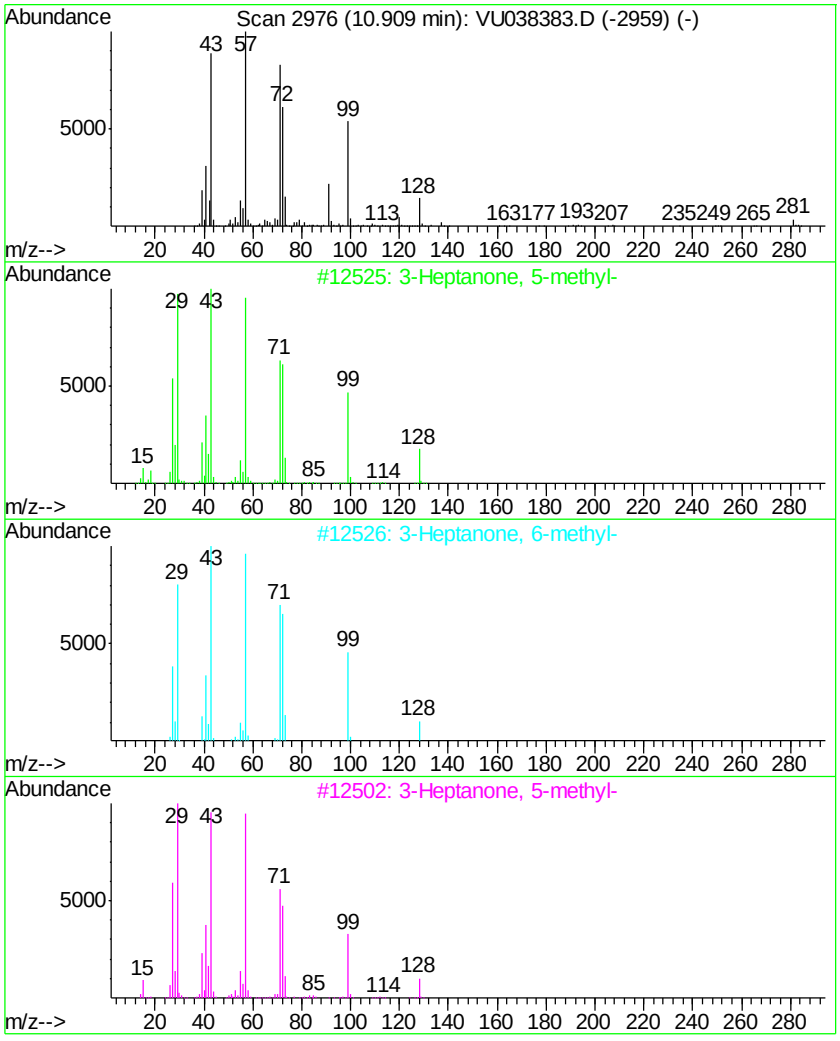
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

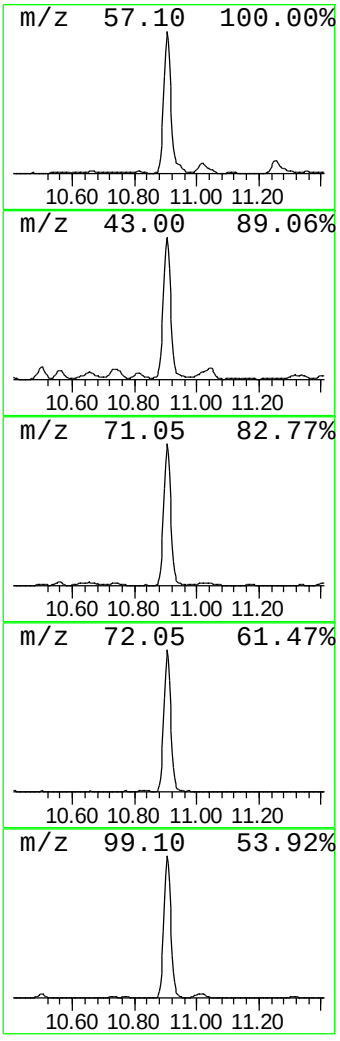
****

Peak Number 9 3-Heptanone, 5-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	8.28 ug/L	1687500	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	93
2	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	93
3	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	87
4	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	78
5	3-Octanone	128	C8H16O	000106-68-3	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

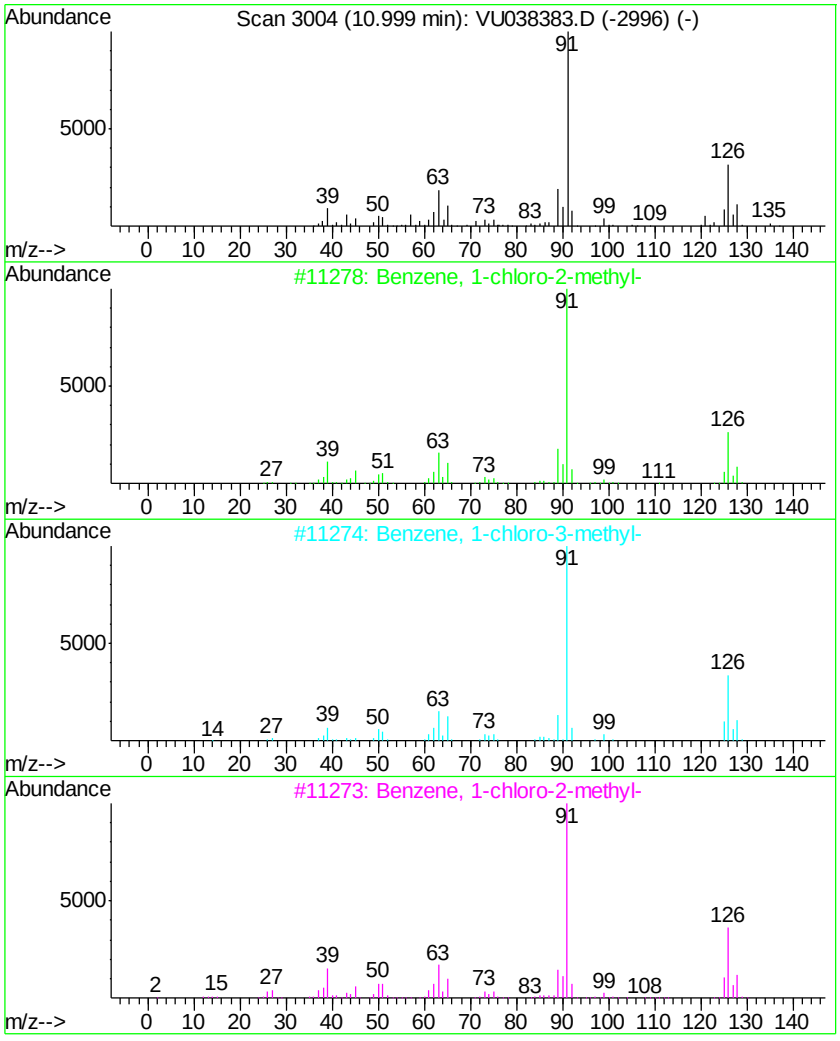
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

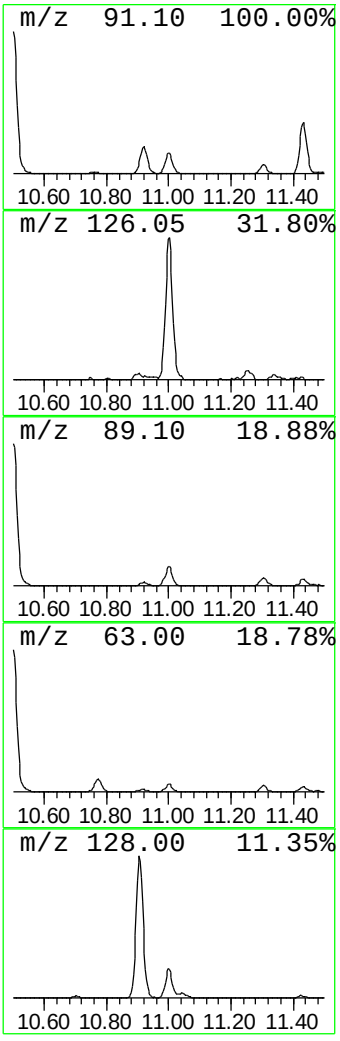
****

Peak Number 10 Benzene, 1-chloro-2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	1.21 ug/L	246441	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	95
2	Benzene, 1-chloro-3-methyl-	126	C7H7Cl	000108-41-8	95
3	Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	90
4	Benzene, 1-chloro-4-methyl-	126	C7H7Cl	000106-43-4	89
5	Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

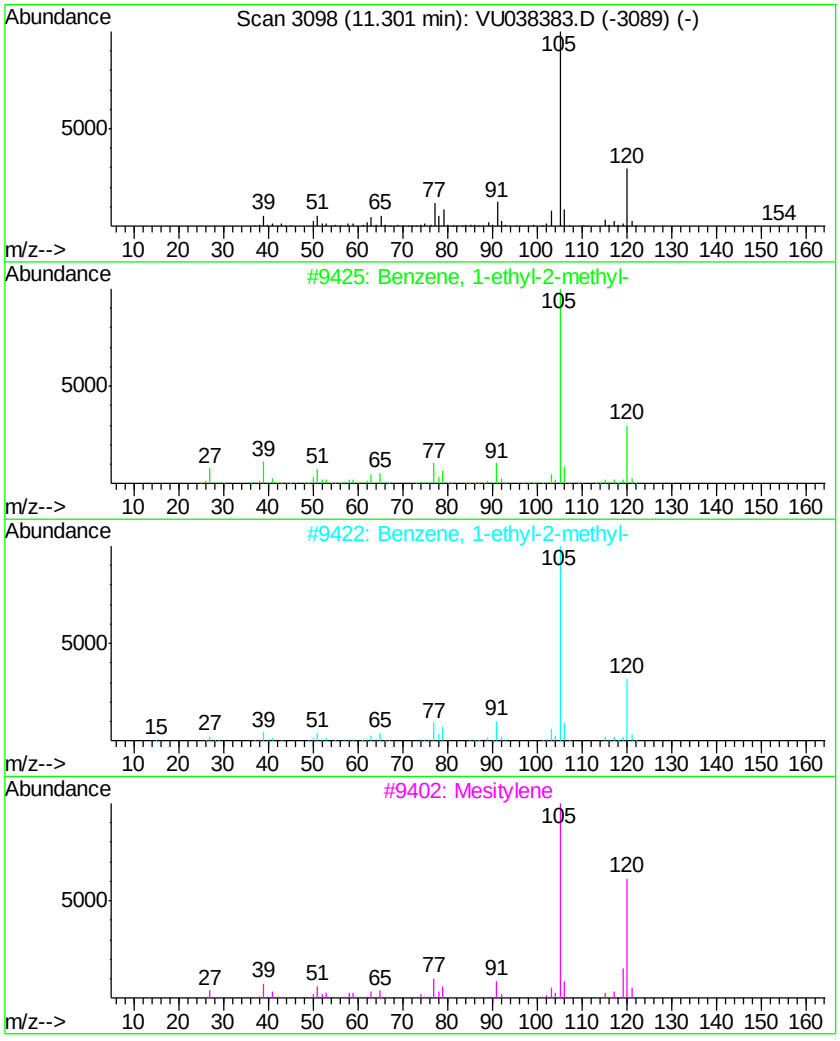
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

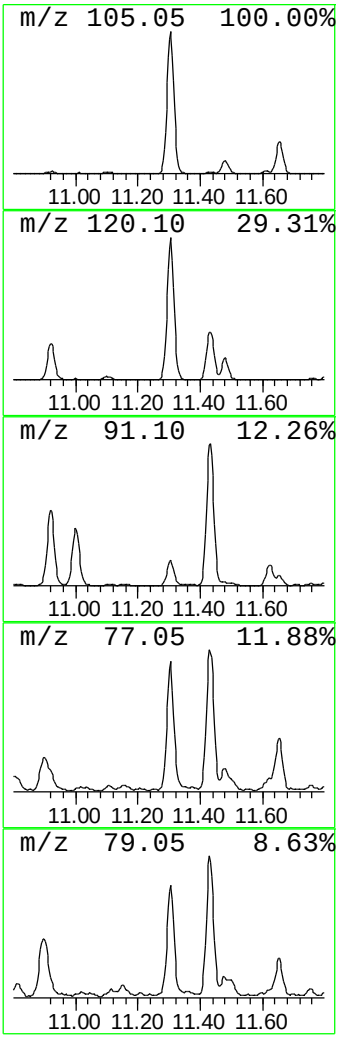
****

Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	3.21 ug/L	653878	1,4-Dichlorobenzene-d4	11.83

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-2-methyl-	120	C9H12	000611-14-3	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

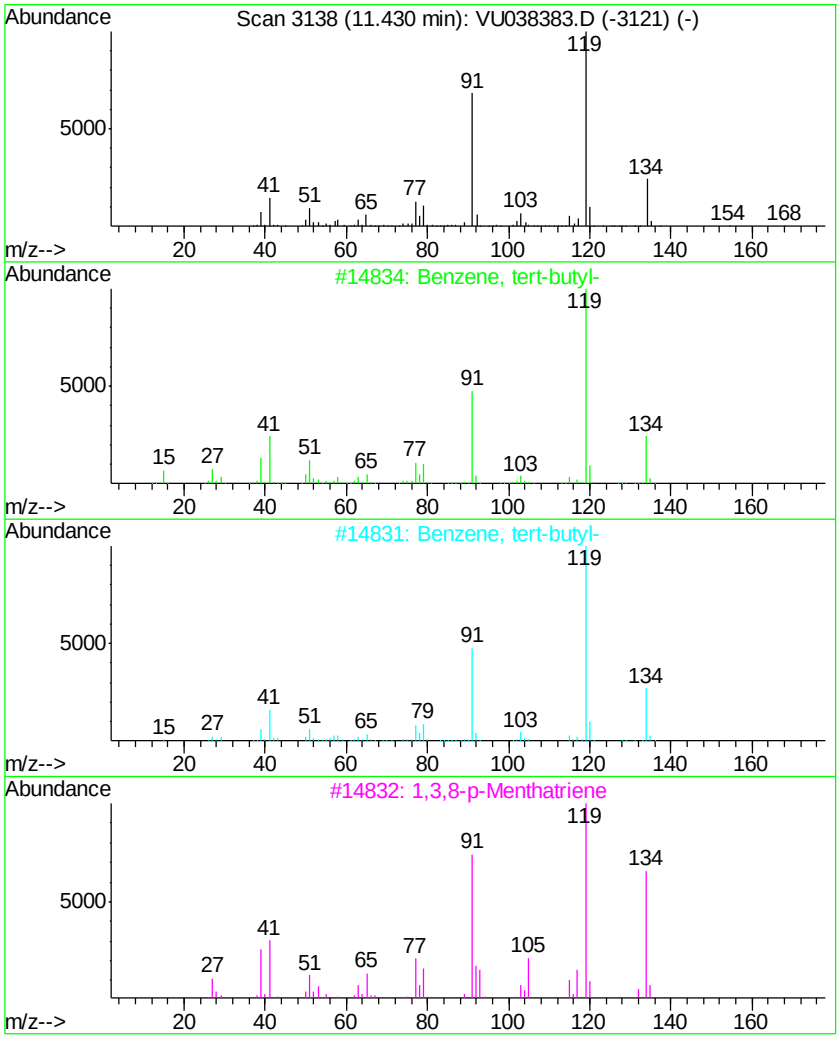
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

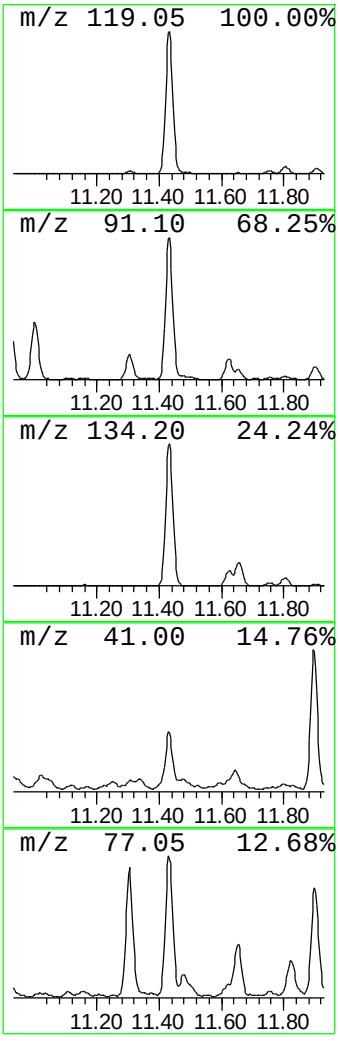
****

Peak Number 12 Benzene, tert-butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	4.04 ug/L	823962	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, tert-butyl-	134	C10H14	000098-06-6	93
2	Benzene, tert-butyl-	134	C10H14	000098-06-6	90
3	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	80
4	o-Cymene	134	C10H14	000527-84-4	72
5	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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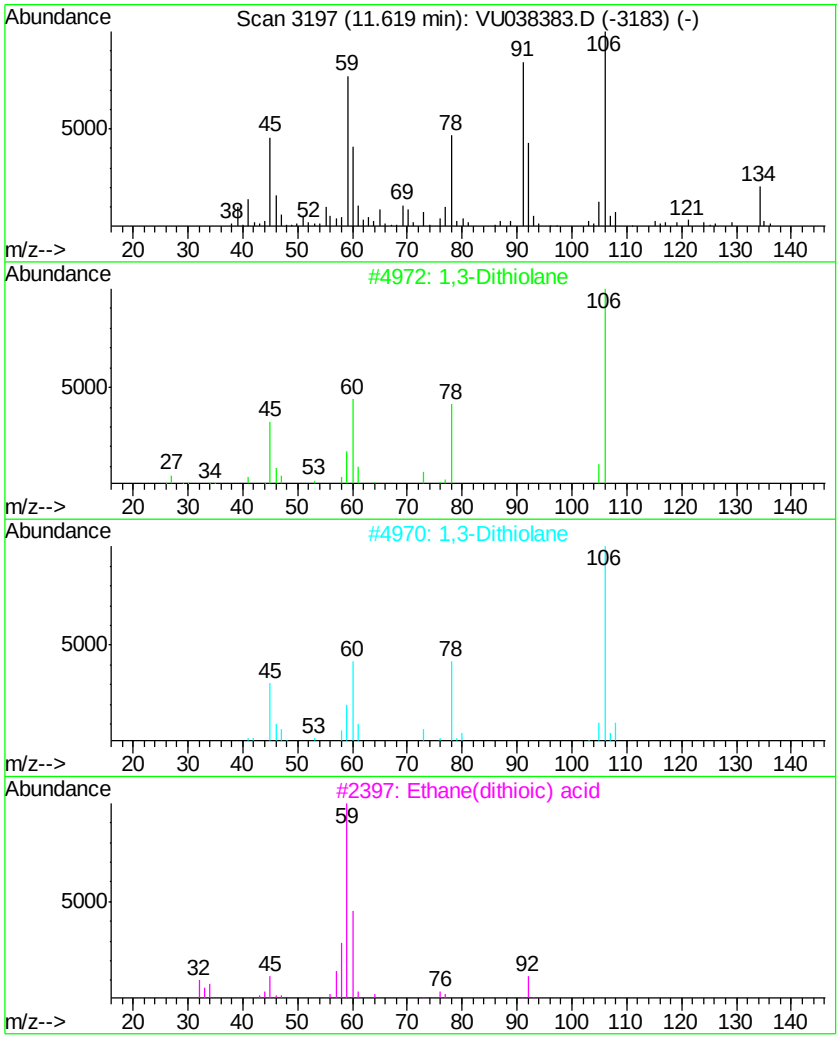
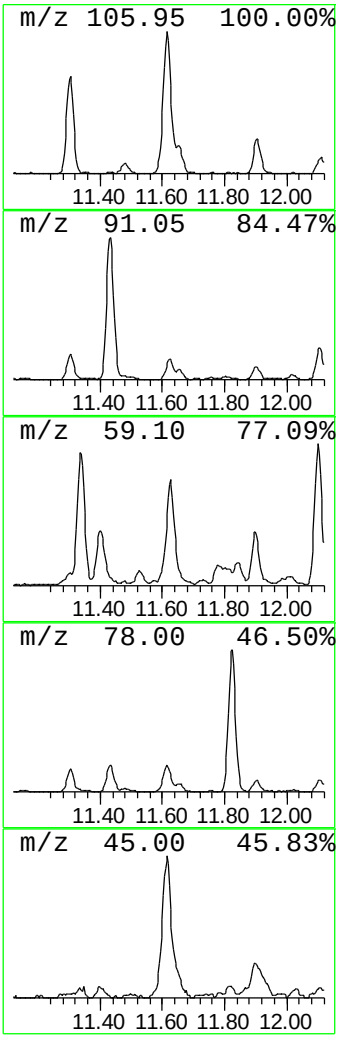
Peak Number 13 1,3-Dithiolane Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	0.99 ug/L	202602	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dithiolane	106	C3H6S2	004829-04-3	91
2	1,3-Dithiolane	106	C3H6S2	004829-04-3	49
3	Ethane(dithioic) acid	92	C2H4S2	000594-03-6	25
4	Benzene, butyl-	134	C10H14	000104-51-8	25
5	1-Chloro-1-methyl-1-silacyclopen...	134	C5H11ClSi	002406-31-7	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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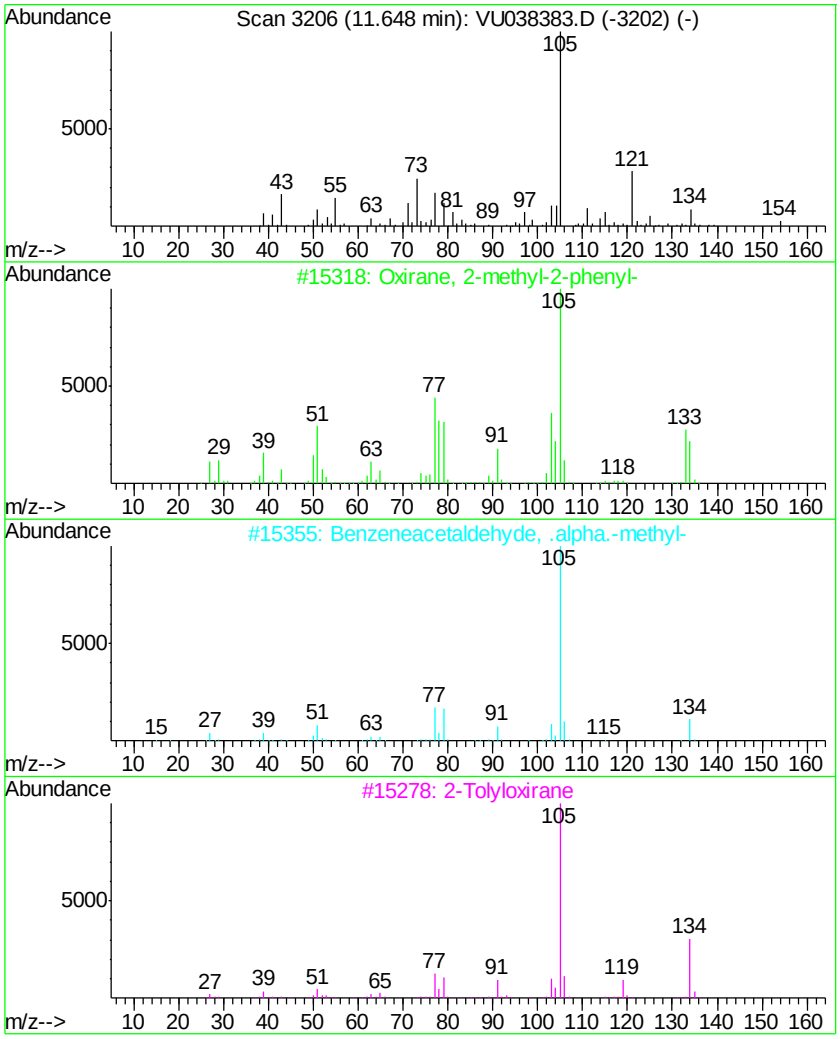
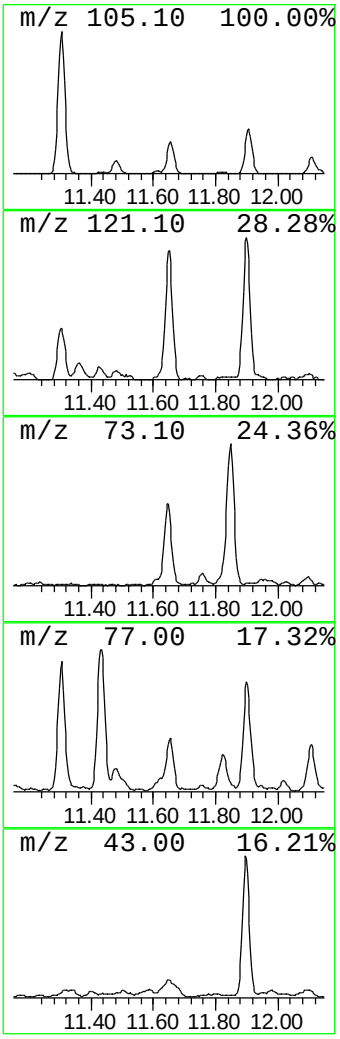
Peak Number 14 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	1.68 ug/L	341495	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	46
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	43
3	2-Tolyloxirane	134	C9H10O	002783-26-8	43
4	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	43
5	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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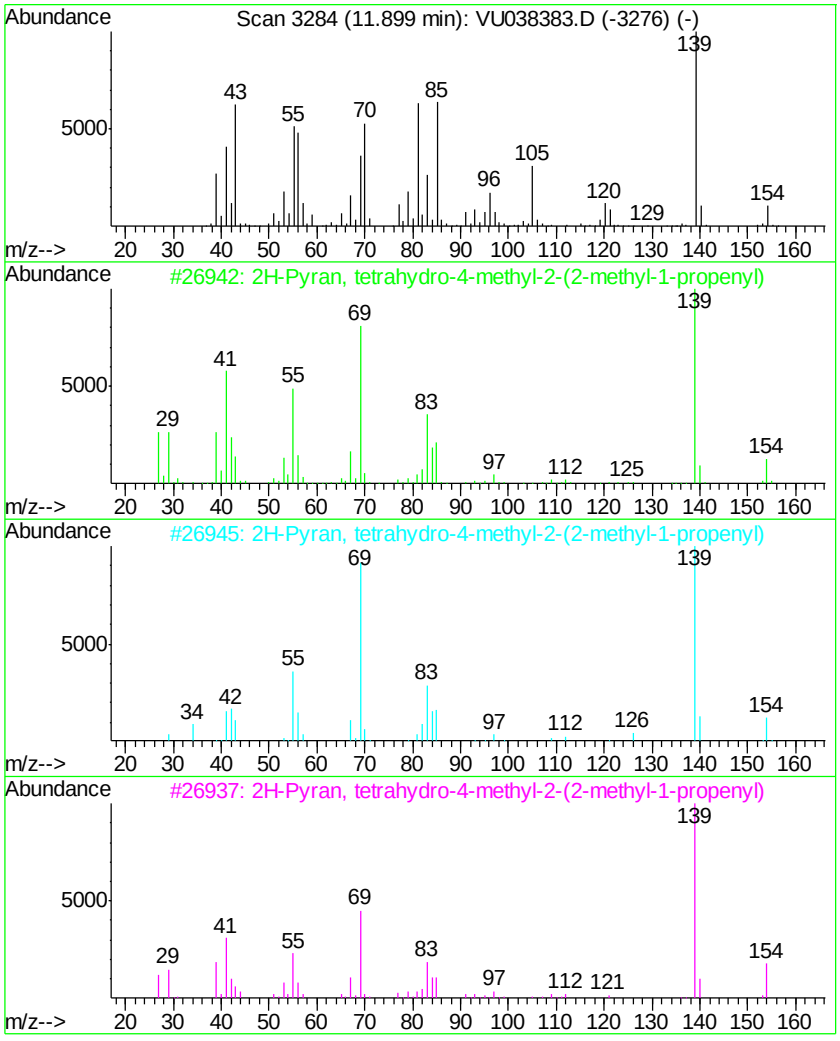
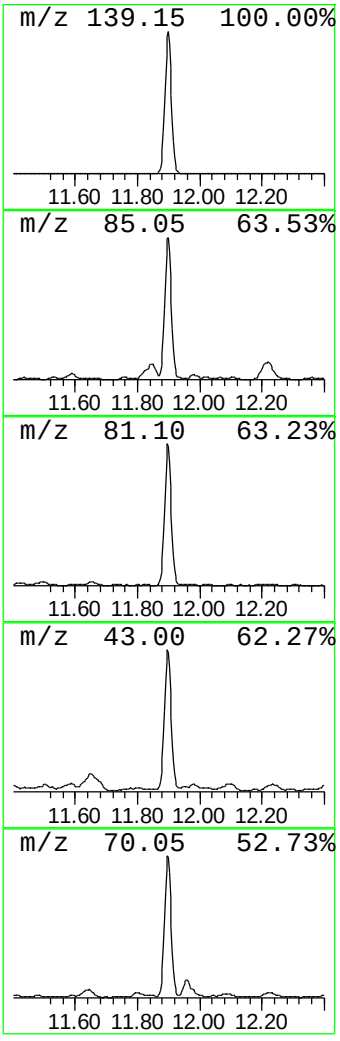
Peak Number 15 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	7.92 ug/L	1613800	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	38
2	2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	38
3	2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	30
4	2-Amino-4-hydroxy-3,6-dimethylpy...	139	C6H9N3O	033796-41-7	22
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	18





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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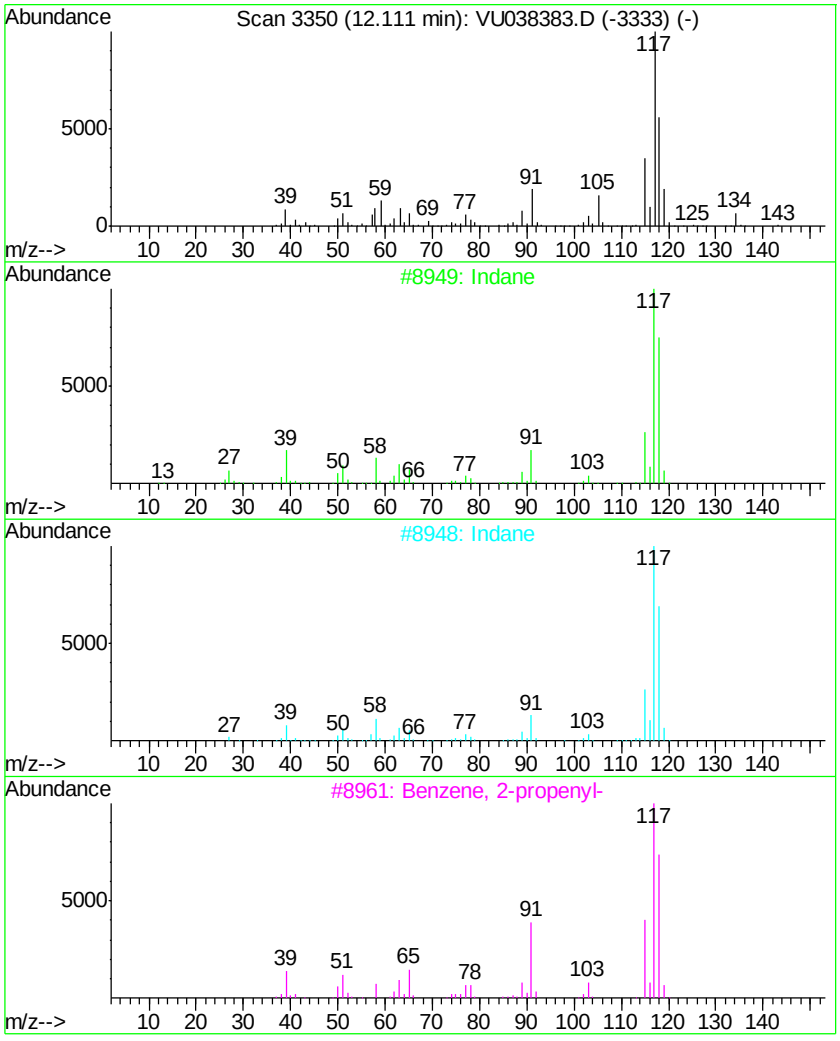
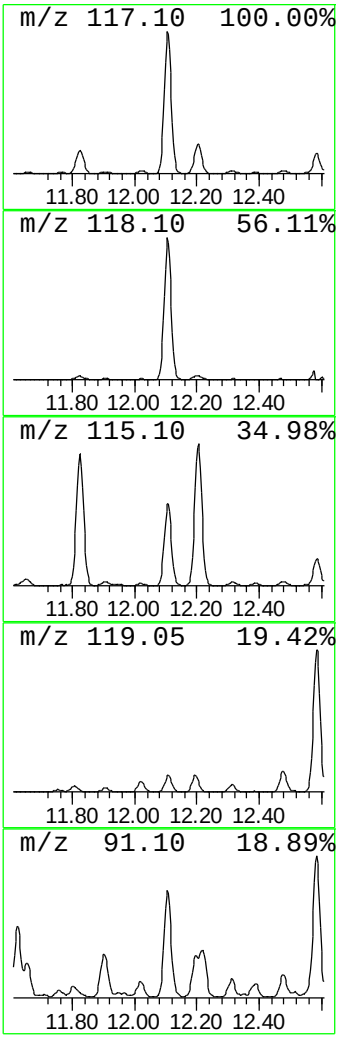
Peak Number 16 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	3.79 ug/L	772470	1,4-Dichlorobenzene-d4	11.83

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	Indane	118	C9H10	000496-11-7	76
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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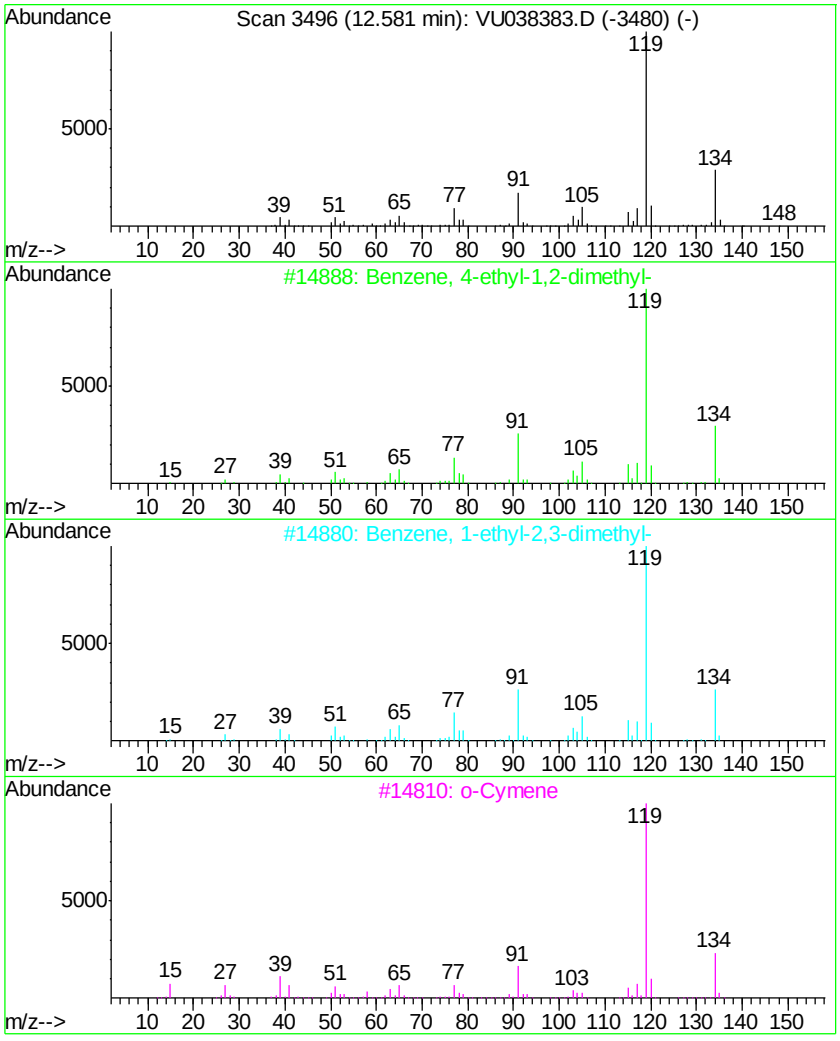
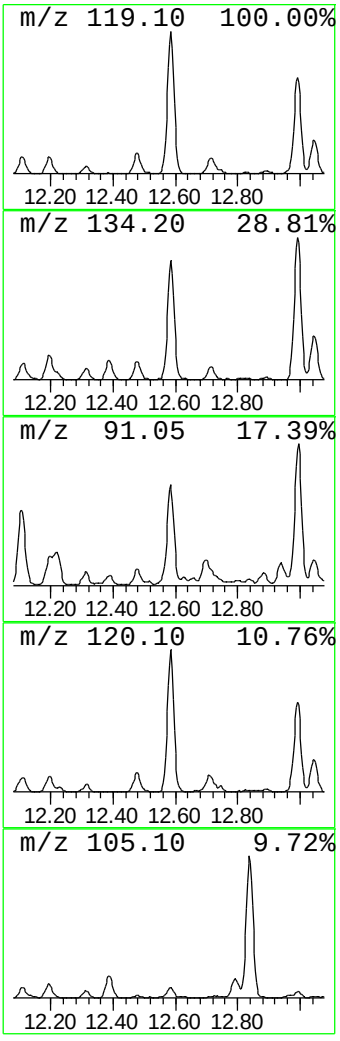
Peak Number 17 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	3.62 ug/L	737059	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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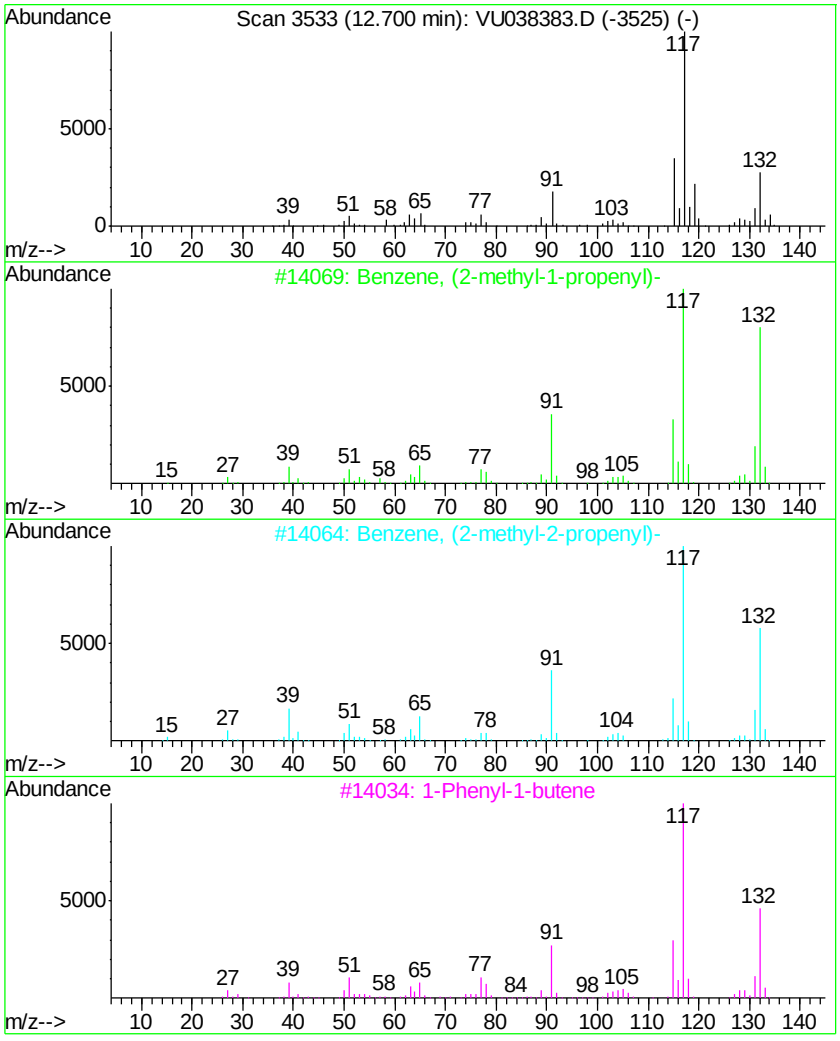
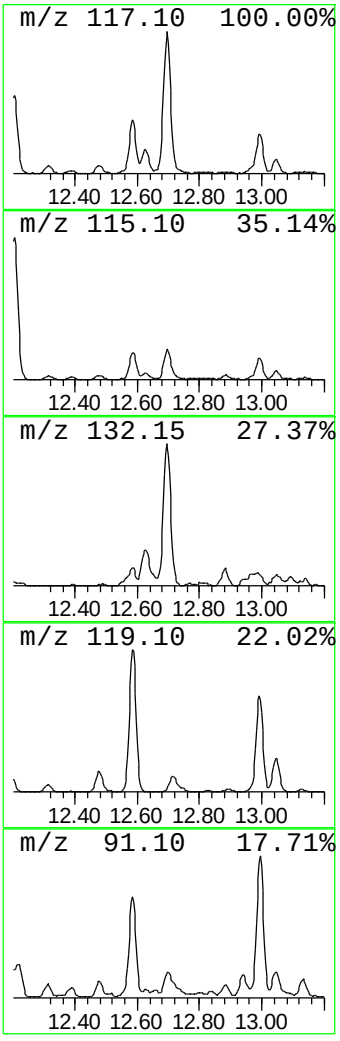
Peak Number 18 Benzene, (2-methyl-1-propen... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	1.37 ug/L	280006	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	83
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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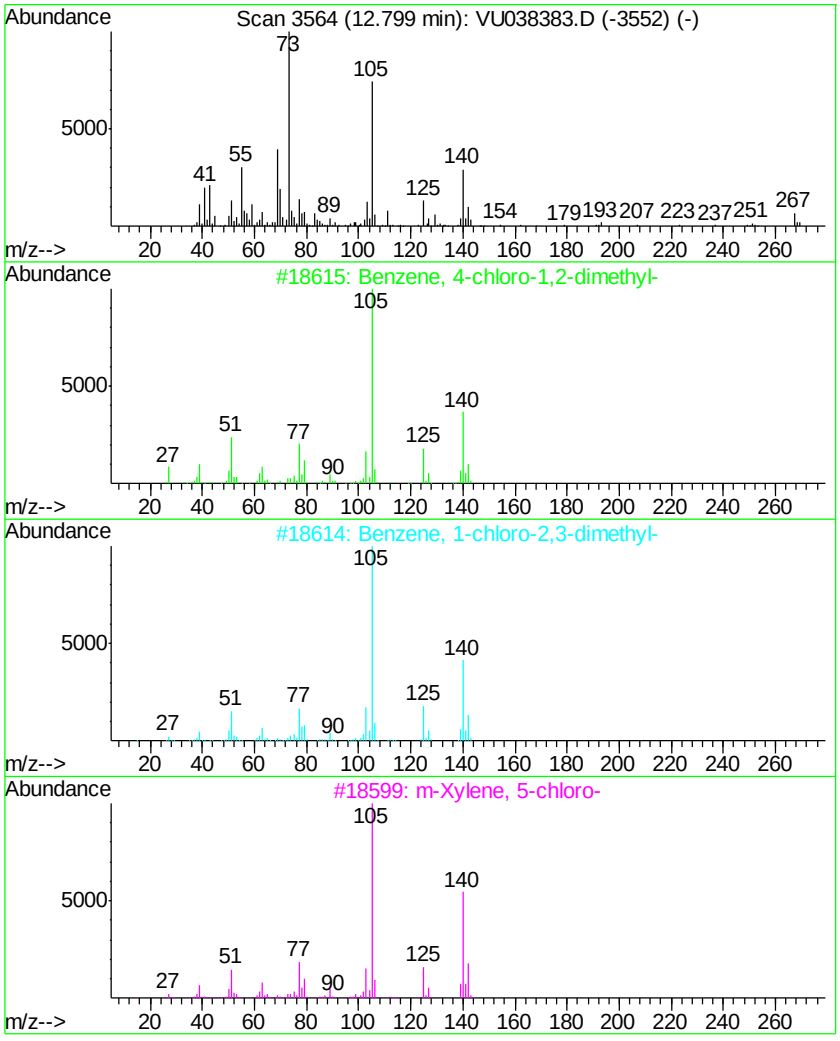
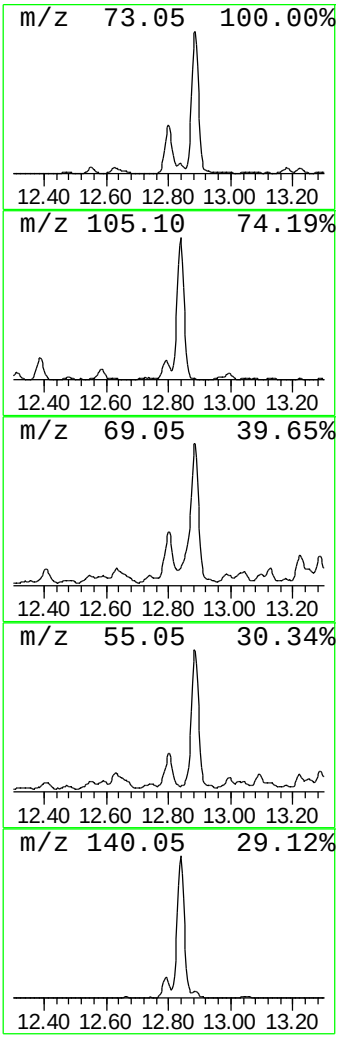
Peak Number 19 Benzene, 4-chloro-1,2-dimet... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	1.74 ug/L	355219	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-chloro-1,2-dimethyl-	140	C8H9Cl	000615-60-1	95
2	Benzene, 1-chloro-2,3-dimethyl-	140	C8H9Cl	000608-23-1	95
3	m-Xylene, 5-chloro-	140	C8H9Cl	000556-97-8	91
4	Benzene, 2-chloro-1,4-dimethyl-	140	C8H9Cl	000095-72-7	90
5	Benzene, 2-chloro-1,3-dimethyl-	140	C8H9Cl	006781-98-2	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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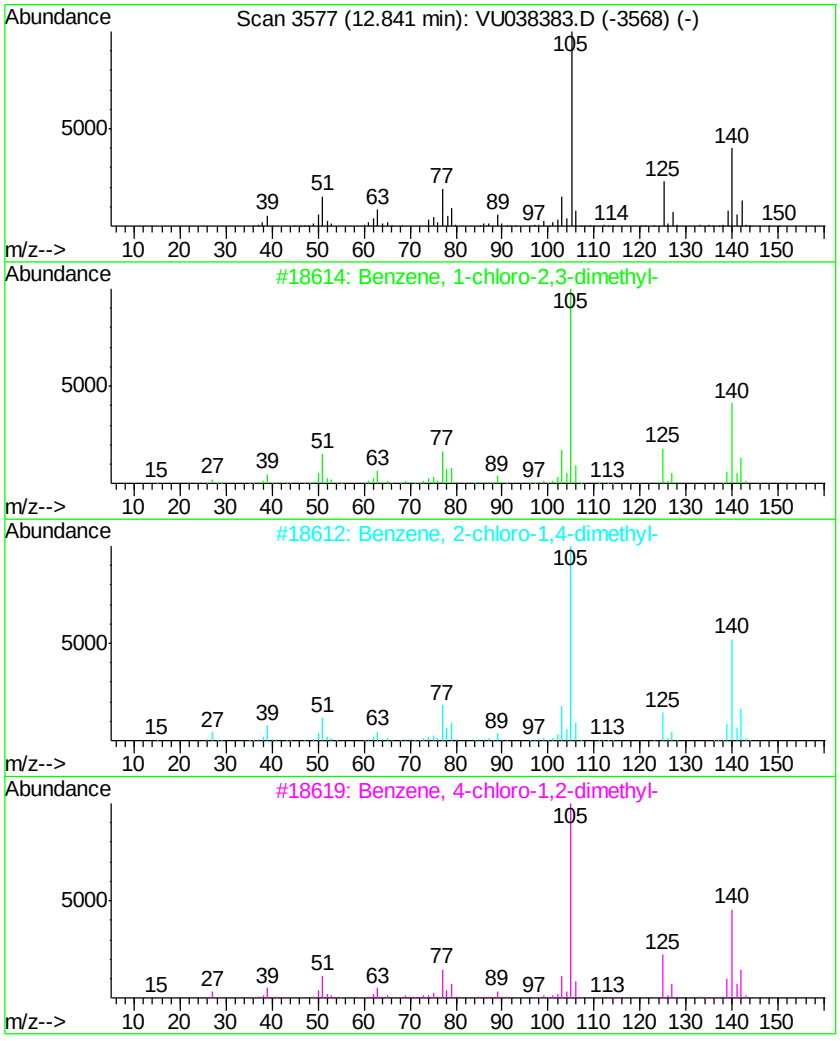
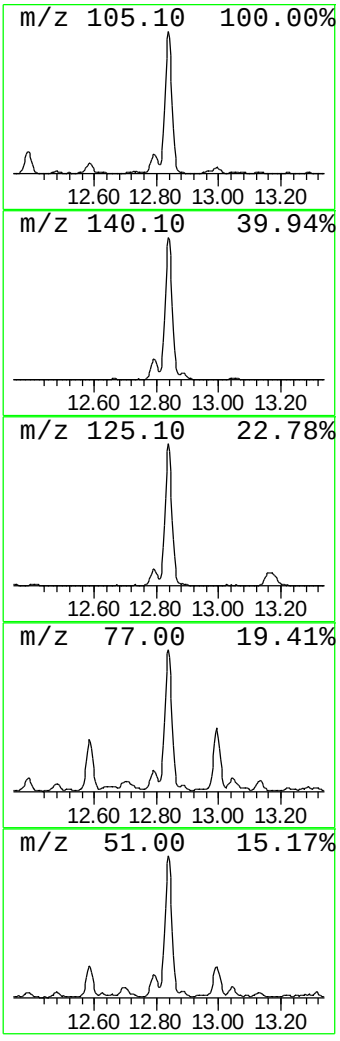
Peak Number 20 Benzene, 1-chloro-2,3-dimet... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.84	6.19 ug/L	1262140	1,4-Dichlorobenzene-d4	11.83

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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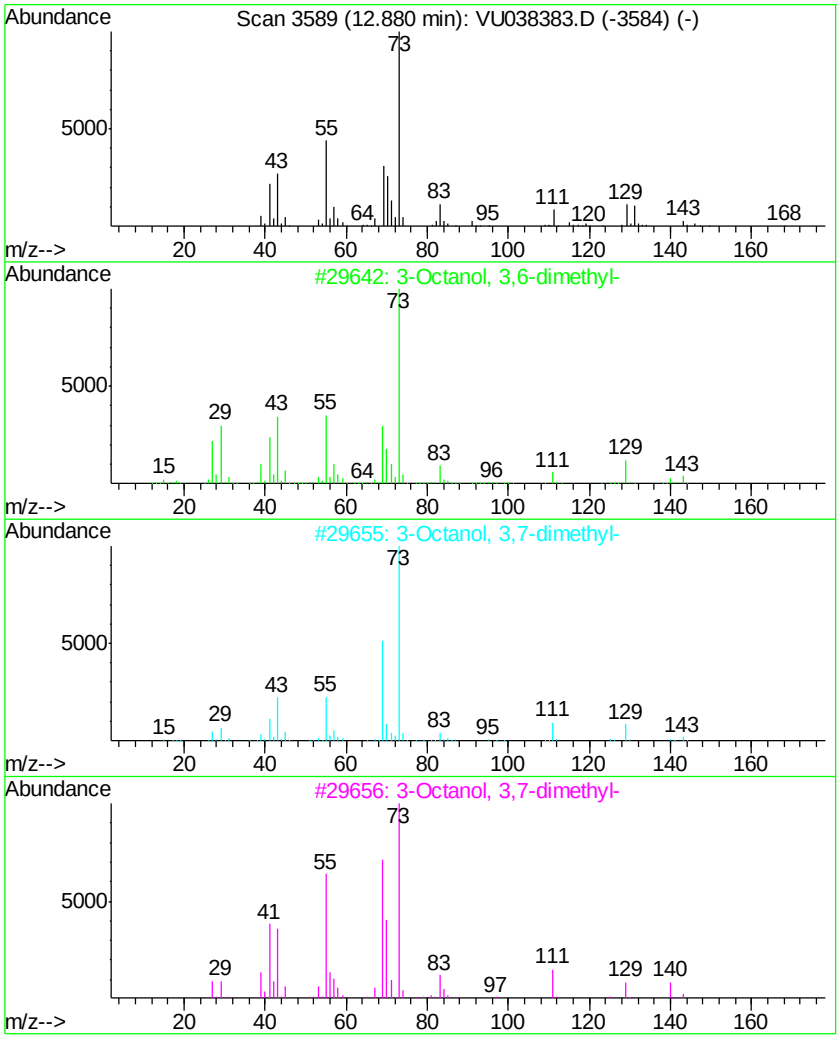
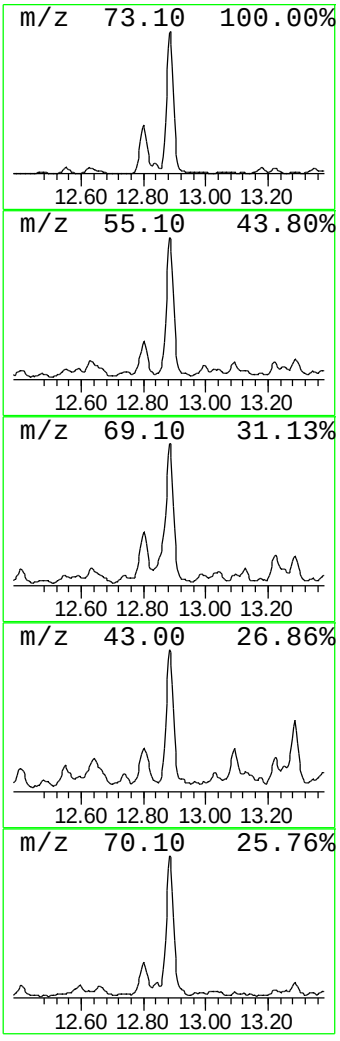
Peak Number 21 3-Octanol, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	2.91 ug/L	592978	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanol, 3,6-dimethyl-	158	C10H22O	000151-19-9	53
2	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	37
3	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	33
4	3-Dodecanol, 3,7,11-trimethyl-	228	C15H32O	007278-65-1	32
5	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	28





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Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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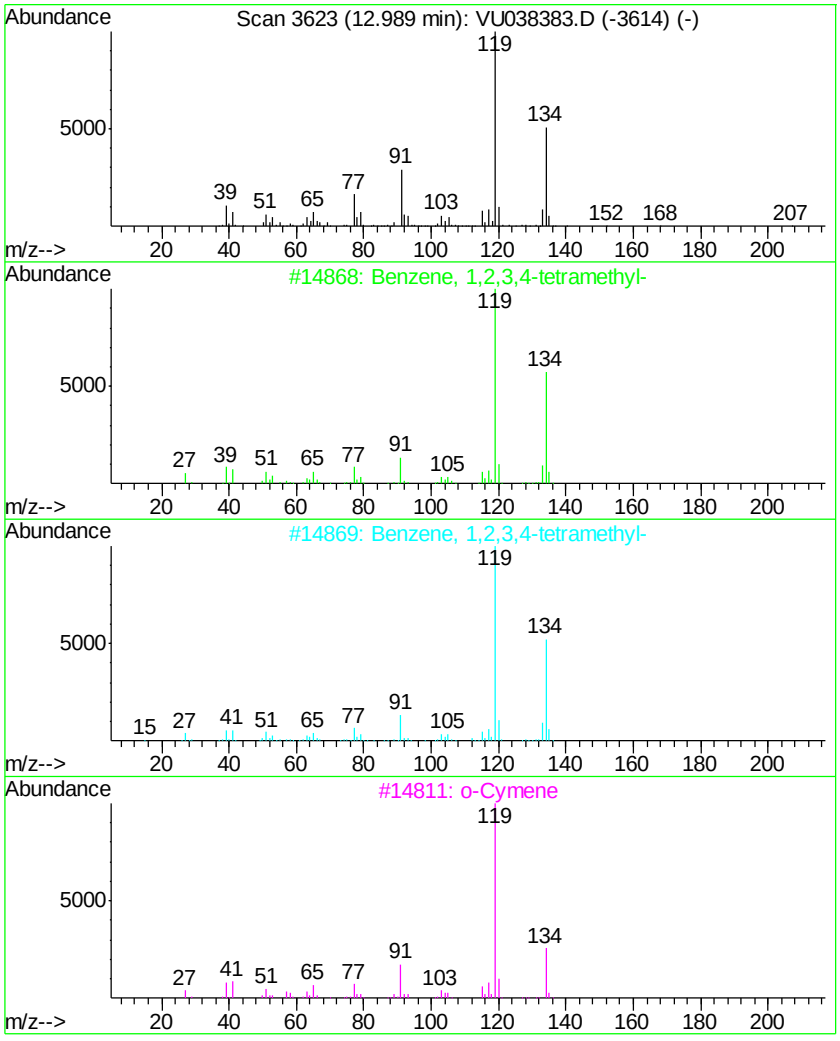
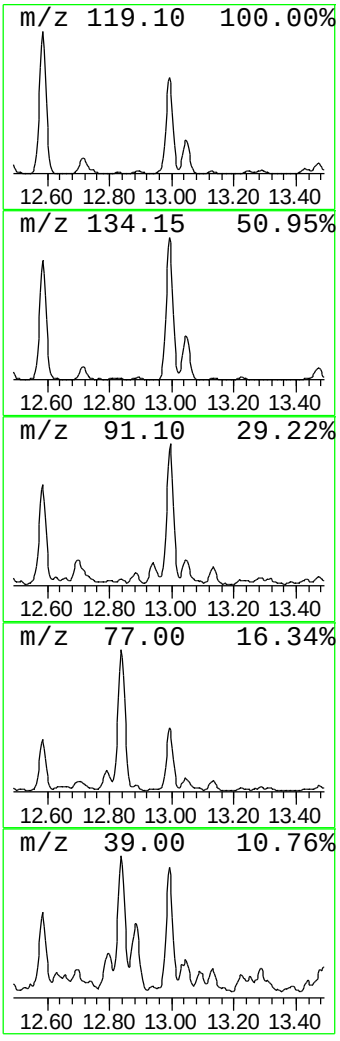
Peak Number 22 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	3.03 ug/L	617422	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





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Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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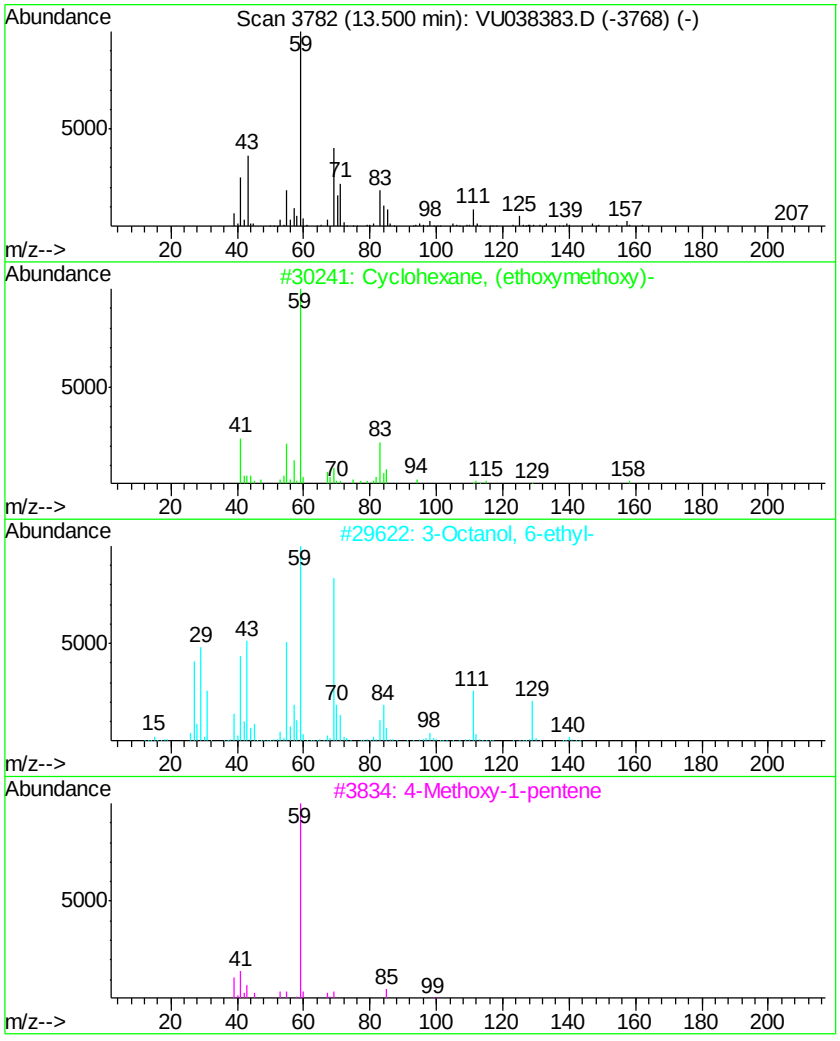
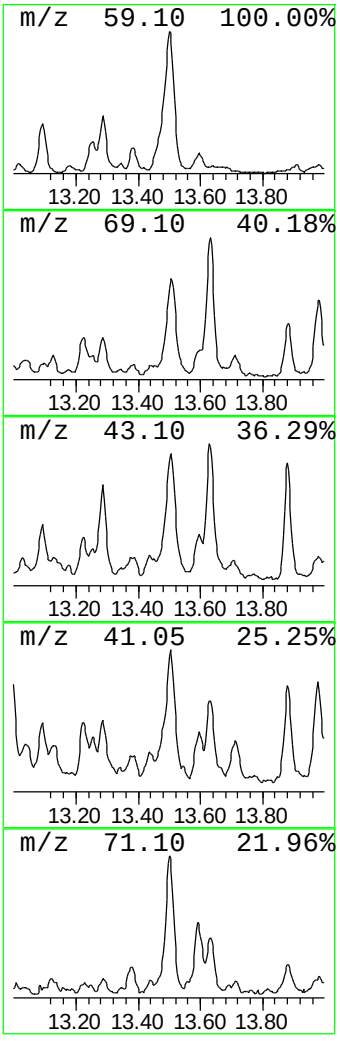
Peak Number 23 unknown-03 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	2.47 ug/L	503149	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (ethoxymethoxy)-	158	C9H18O2	054699-29-5	42
2	3-Octanol, 6-ethyl-	158	C10H22O	019781-27-2	38
3	4-Methoxy-1-pentene	100	C6H12O	098386-09-5	38
4	3-Heptanol, 4-methyl-	130	C8H18O	014979-39-6	33
5	3-Tridecanol	200	C13H28O	010289-68-6	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

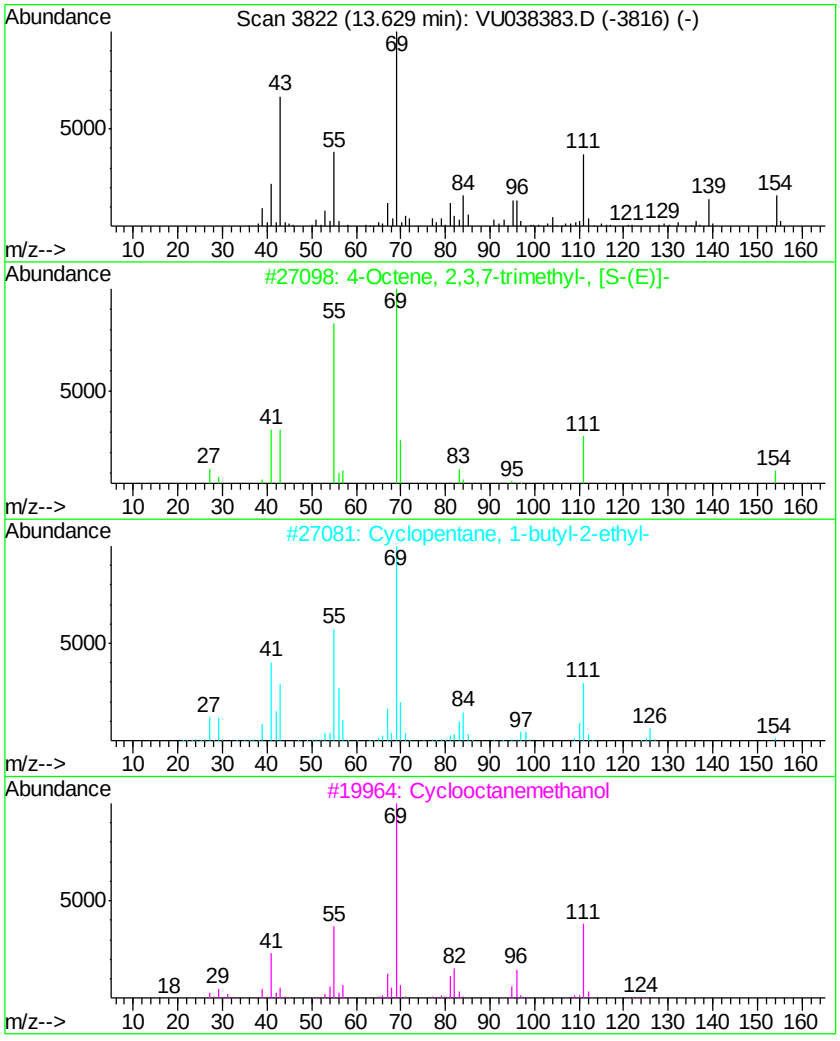
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

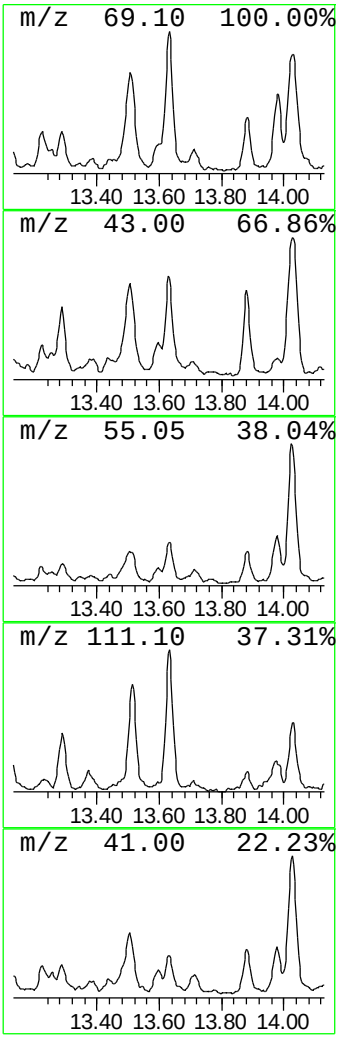
****

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	1.21 ug/L	245894	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	59
2	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	53
3	Cyclooctanemethanol	142	C9H18O	003637-63-6	53
4	4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	50
5	4-Hexen-1-ol, 5-methyl-2-(1-meth...	154	C10H18O	000498-16-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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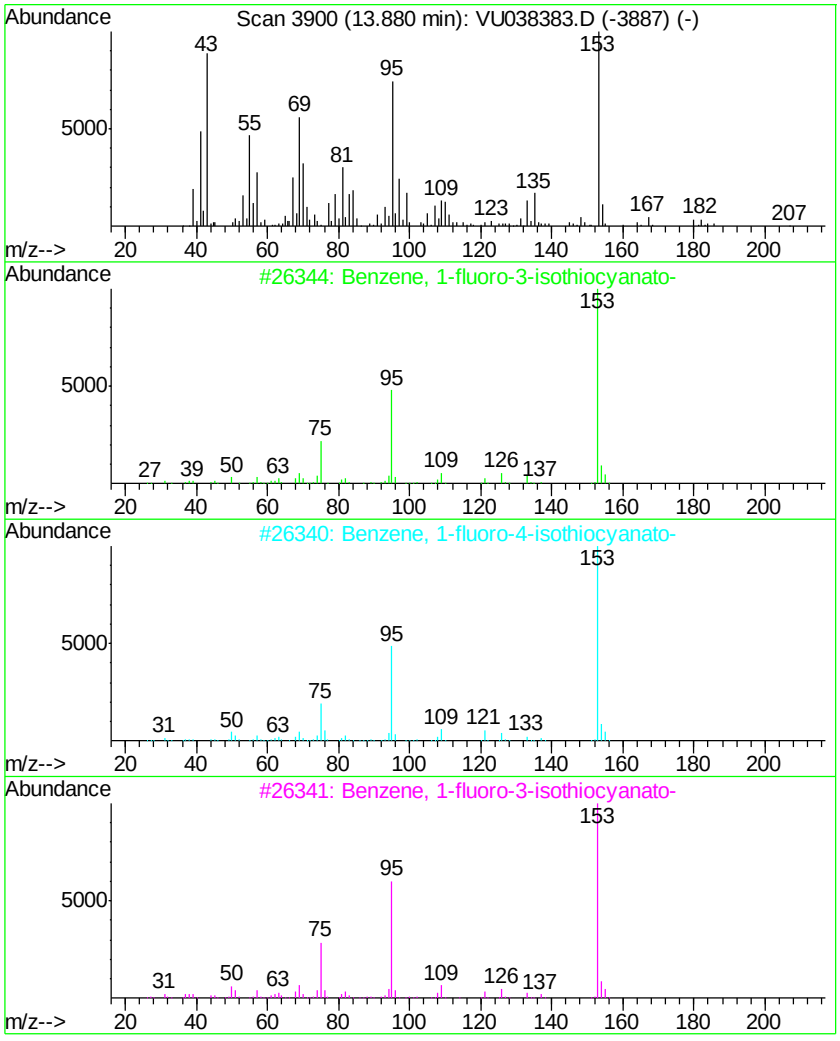
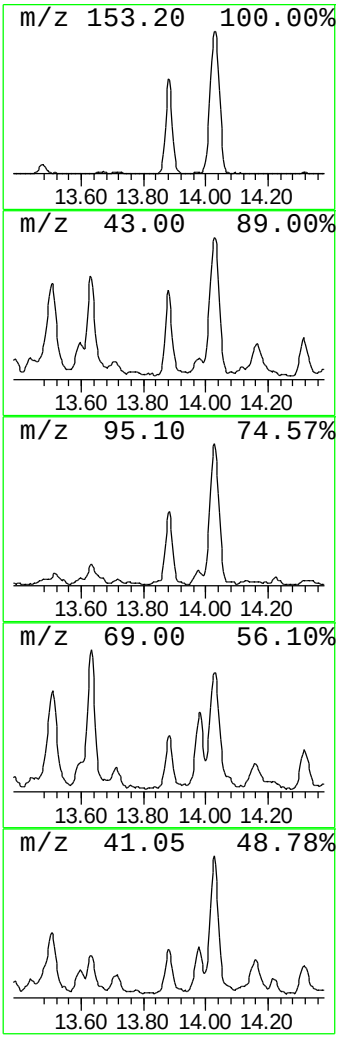
Peak Number 25 Benzene, 1-fluoro-3-isothio... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	1.64 ug/L	335063	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-fluoro-3-isothiocyanato-	153	C7H4FNS	000404-72-8	64
2	Benzene, 1-fluoro-4-isothiocyanato-	153	C7H4FNS	001544-68-9	58
3	Benzene, 1-fluoro-3-isothiocyanato-	153	C7H4FNS	000404-72-8	53
4	1-Methyl-4-ethylaminocytosine	153	C7H11N3O	092876-77-2	38
5	5-Methyl-5-hexen-3-yn-2-ol	110	C7H10O	068017-33-4	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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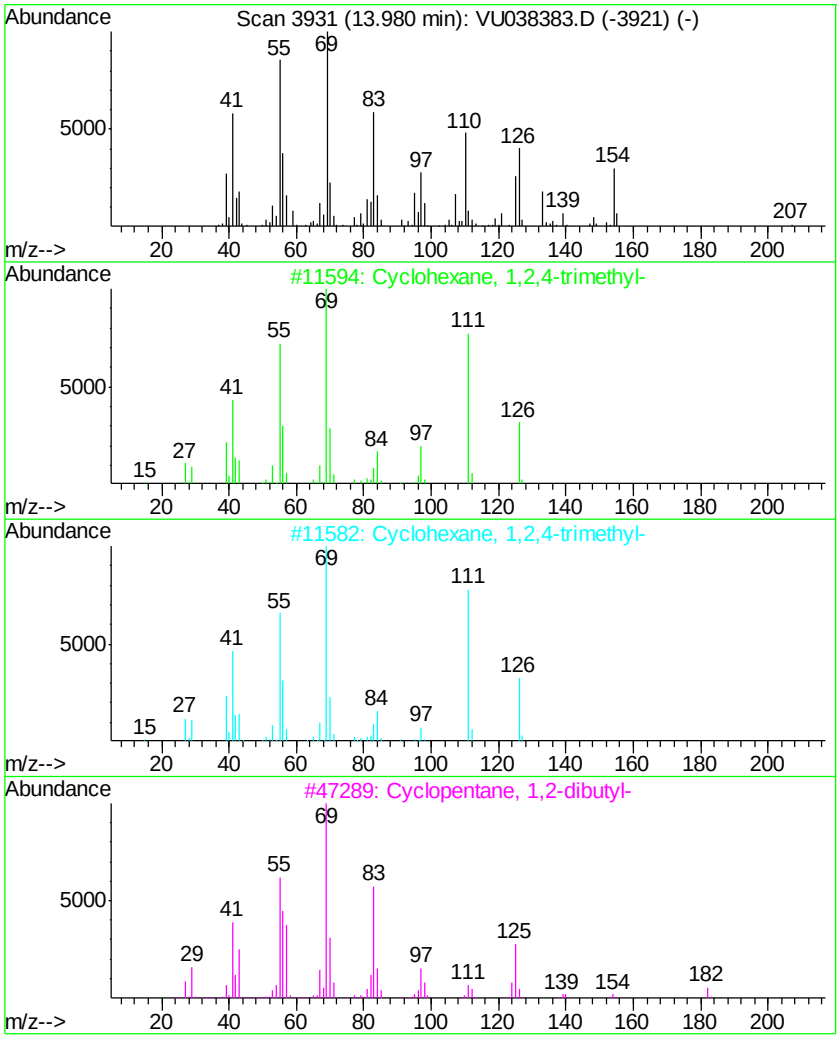
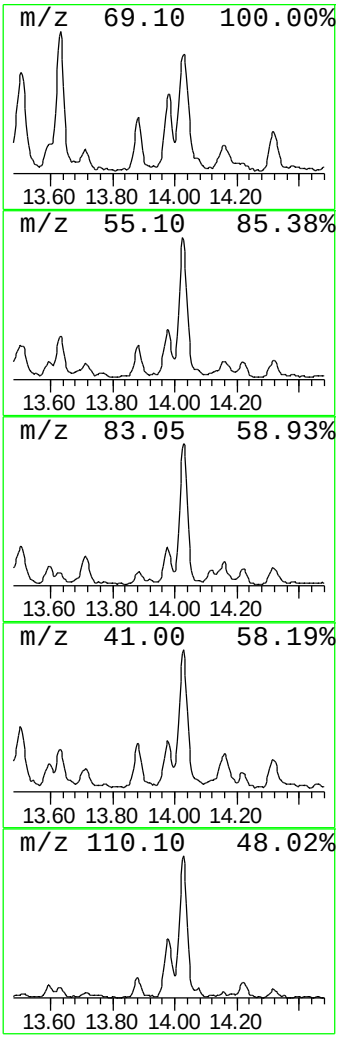
Peak Number 26 (DEL) Alkane: Cyclic13.98 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	1.06 ug/L	216205	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	55
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	50
3	Cyclopentane, 1,2-dibutyl-	182	C13H26	062199-52-4	49
4	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	46
5	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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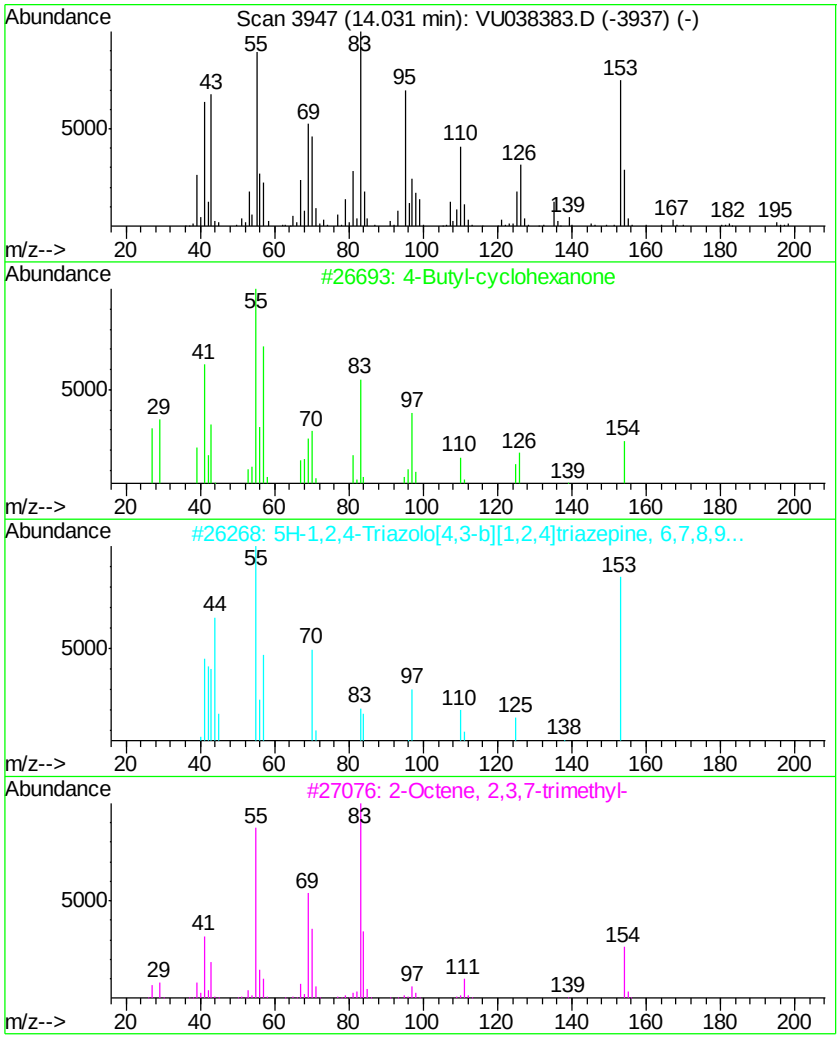
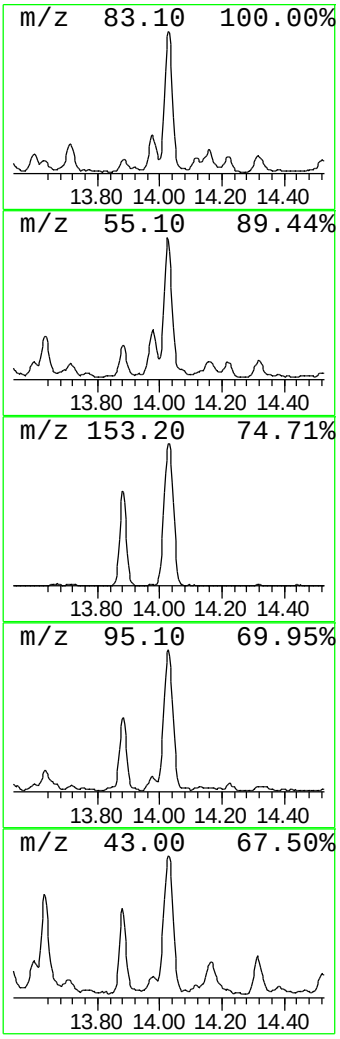
Peak Number 27 4-Butyl-cyclohexanone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	3.83 ug/L	780026	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Butyl-cyclohexanone	154	C10H18O	061203-82-5	55
2	5H-1,2,4-Triazolo[4,3-b][1,2,4]t...	153	C6H11N5	062170-16-5	46
3	2-Octene, 2,3,7-trimethyl-	154	C11H22	033933-75-4	25
4	Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	25
5	Benzene, 1-fluoro-3-isothiocyanato-	153	C7H4FNS	000404-72-8	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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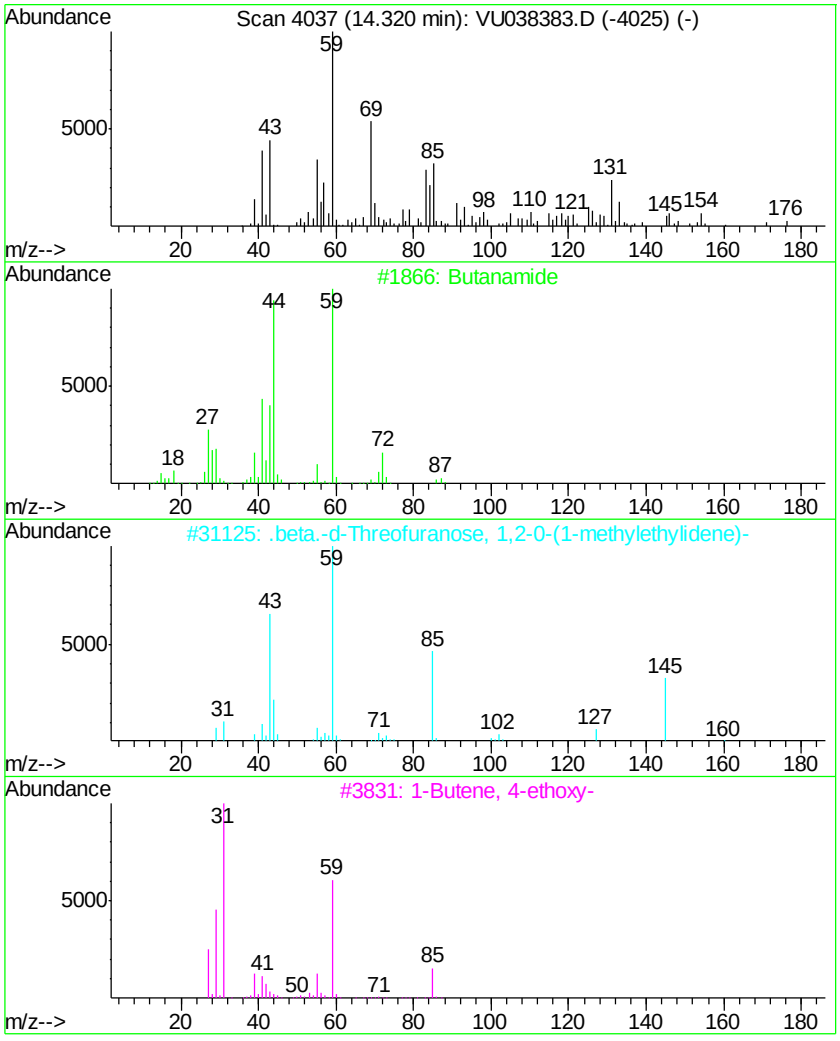
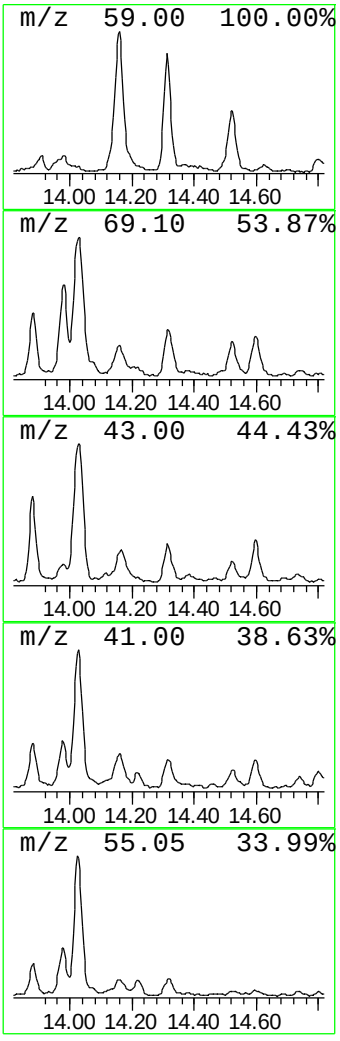
Peak Number 28 unknown-04 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	1.05 ug/L	212926	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide	87	C4H9NO	000541-35-5	38
2	.beta.-d-Threofuranose, 1,2-0-(1...	160	C7H12O4	1000314-09-3	37
3	1-Butene, 4-ethoxy-	100	C6H12O	044611-46-3	37
4	2-Pentanol, 5-methoxy-2-methyl-	132	C7H16O2	055724-04-4	37
5	1,7-Octanediol, 3,7-dimethyl-	174	C10H22O2	000107-74-4	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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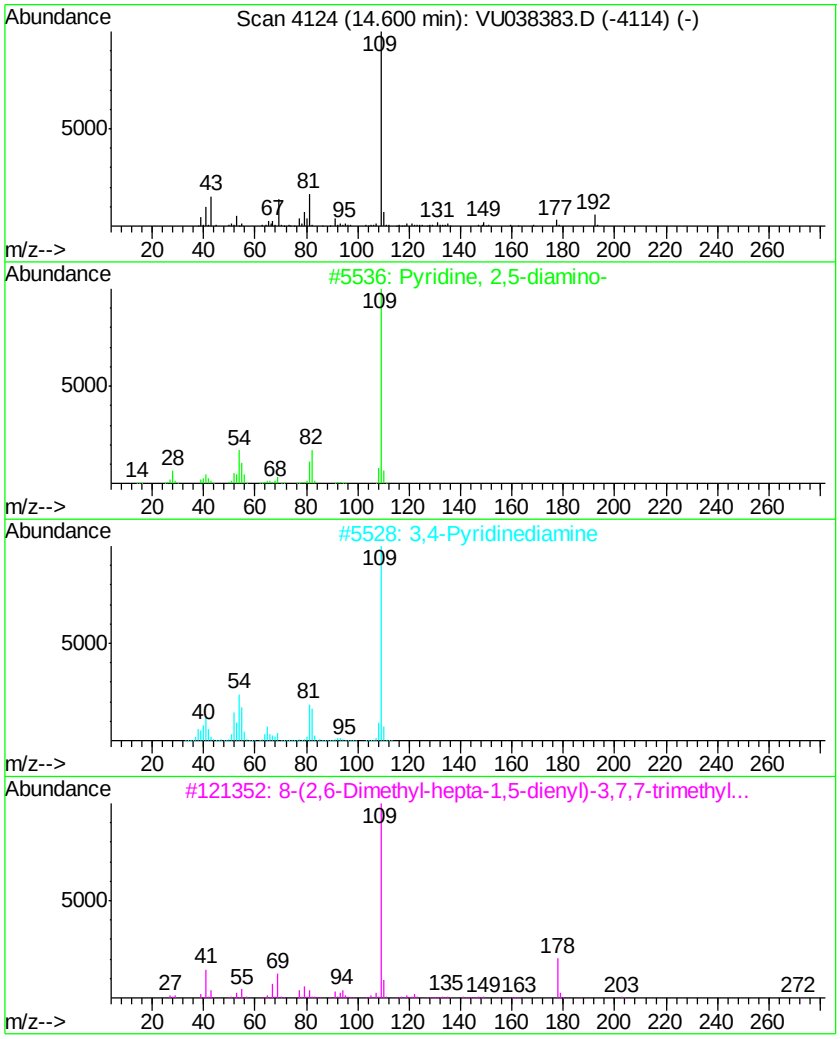
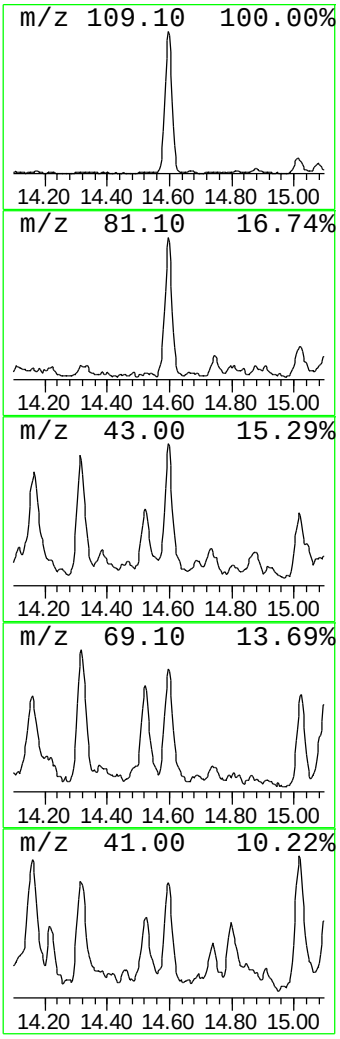
Peak Number 29 Pyridine, 2,5-diamino- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	1.19 ug/L	241479	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,5-diamino-	109	C5H7N3	004318-76-7	59
2	3,4-Pyridinediamine	109	C5H7N3	000054-96-6	59
3	8-(2,6-Dimethyl-hepta-1,5-dienyl...	272	C20H32	113725-56-7	59
4	7-(2,6-Dimethyl-hepta-1,5-dienyl...	272	C20H32	1000190-62-8	50
5	1,10-Dimethyl-2-methylene-trans-...	178	C13H22	1000103-97-8	47





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Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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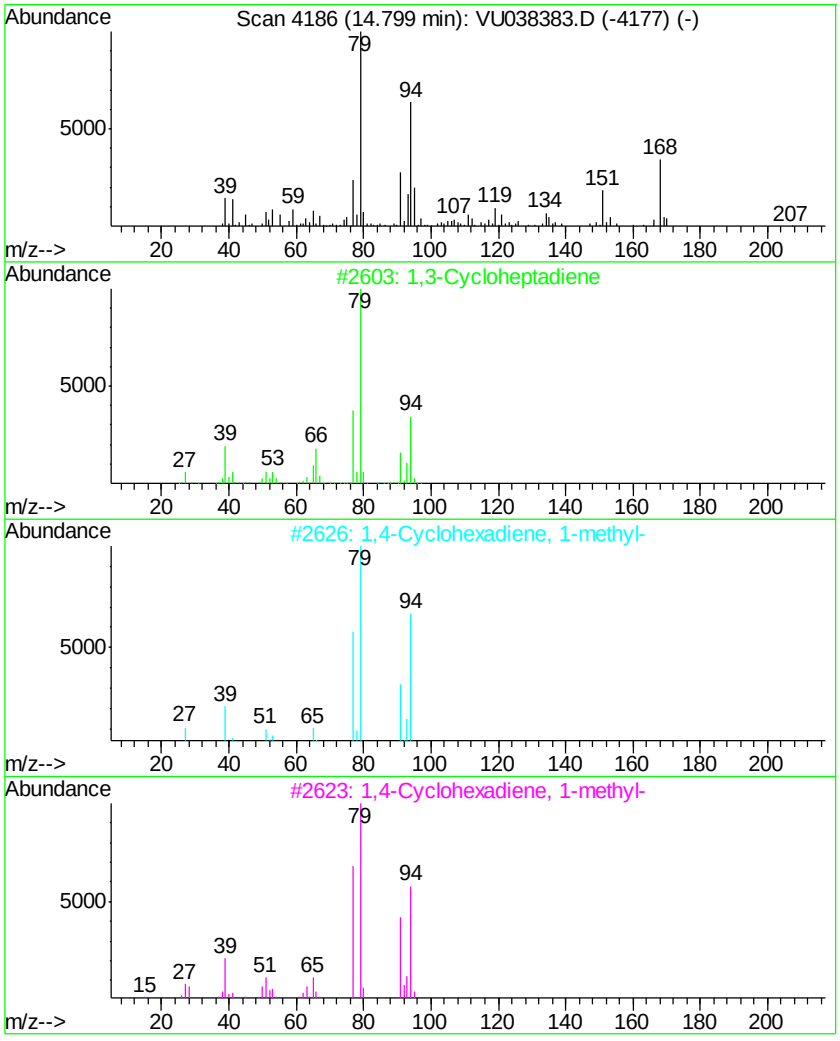
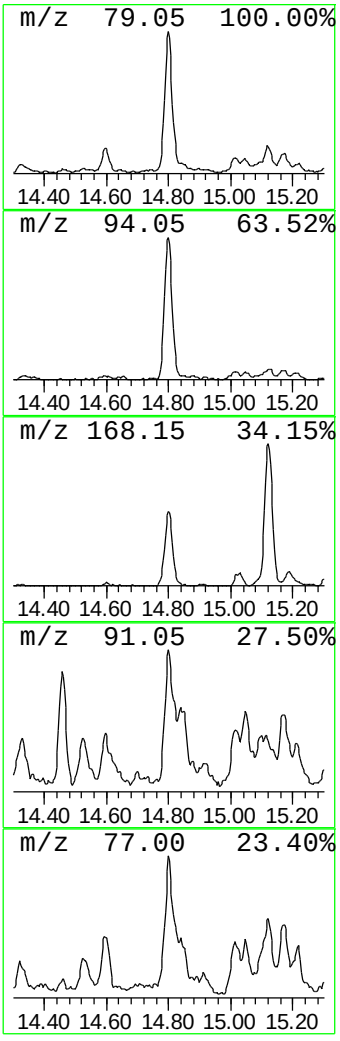
Peak Number 30 unknown-05 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	1.39 ug/L	283841	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cycloheptadiene	94	C7H10	004054-38-0	46
2	1,4-Cyclohexadiene, 1-methyl-	94	C7H10	004313-57-9	43
3	1,4-Cyclohexadiene, 1-methyl-	94	C7H10	004313-57-9	43
4	1,3,5-Heptatriene, (E,E)-	94	C7H10	017679-93-5	43
5	1,3,5-Heptatriene, (E,E)-	94	C7H10	017679-93-5	38





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Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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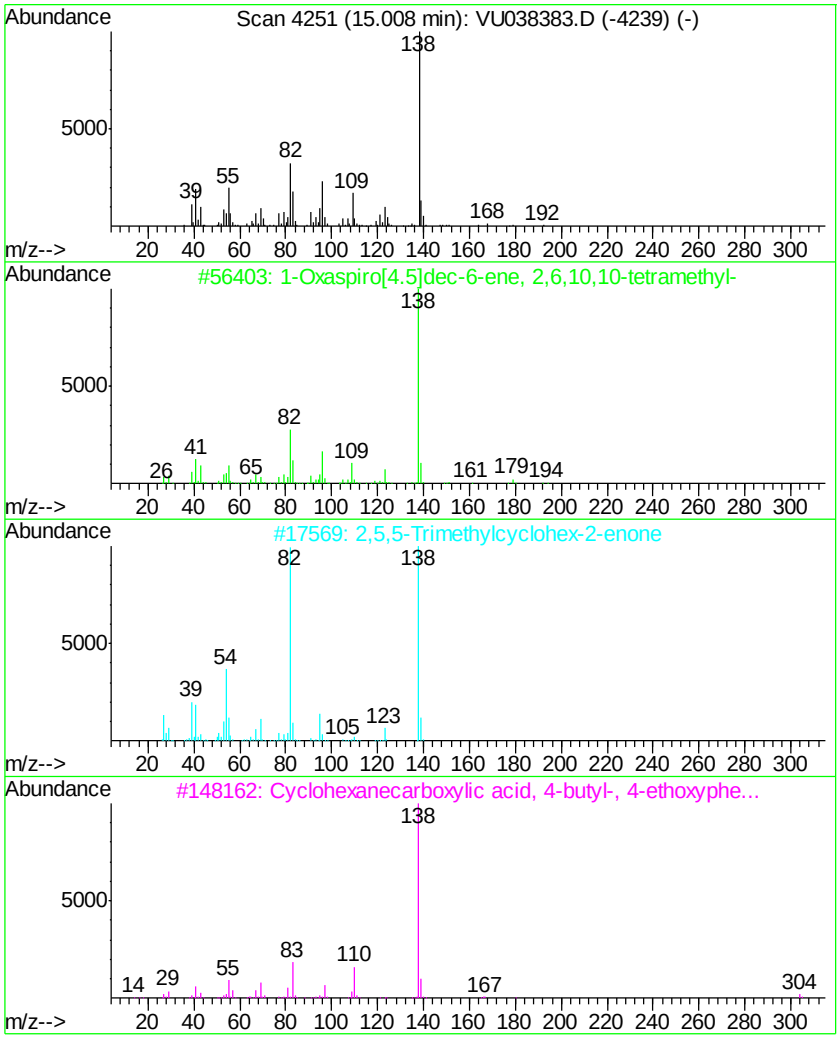
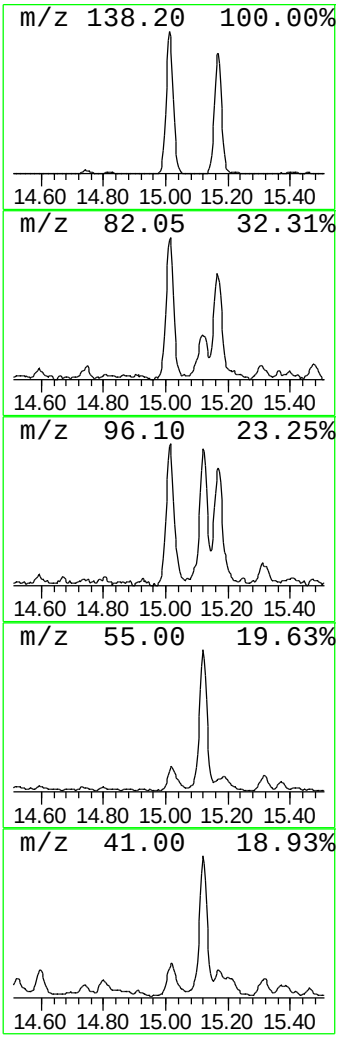
Peak Number 31 1-Oxaspiro[4.5]dec-6-ene, 2... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	1.81 ug/L	368070	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Oxaspiro[4.5]dec-6-ene, 2,6,10...	194	C13H22O	036431-72-8	78
2	2,5,5-Trimethylcyclohex-2-enone	138	C9H14O	042747-41-1	47
3	Cyclohexanecarboxylic acid, 4-bu...	304	C19H28O3	067589-47-3	47
4	1,3-Benzenediol, 4,5-dimethyl-	138	C8H10O2	000527-55-9	46
5	3-Methoxybenzyl alcohol	138	C8H10O2	006971-51-3	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

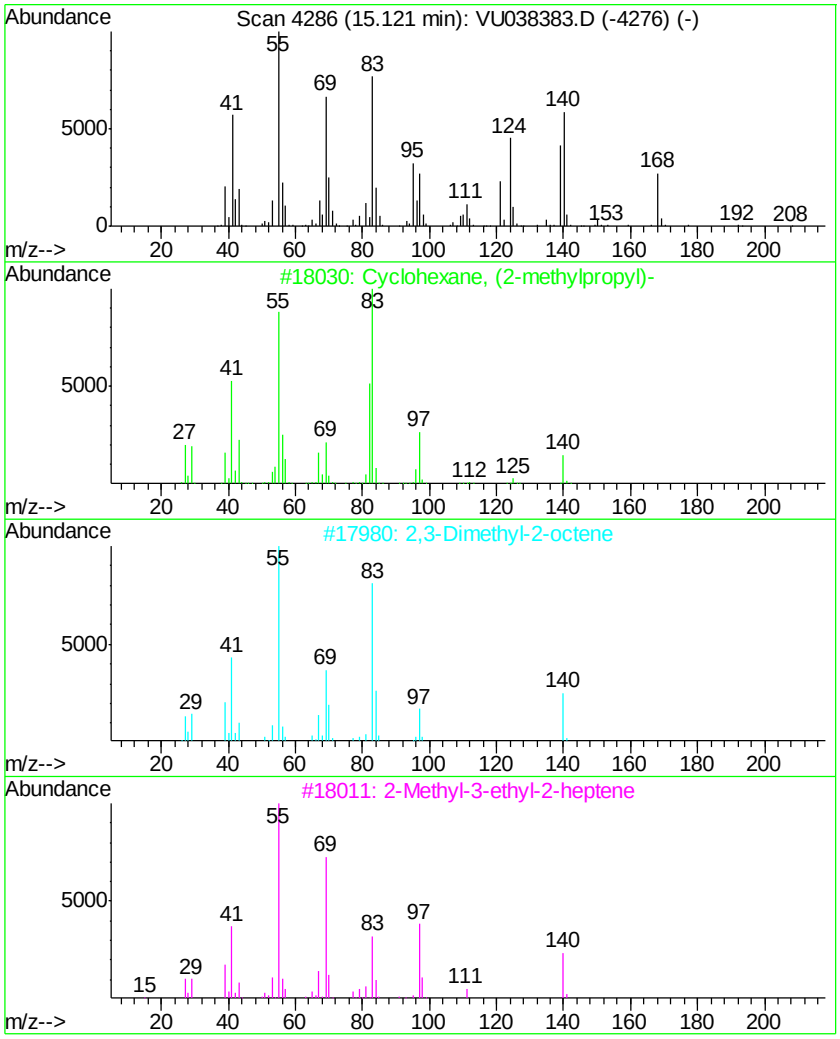
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

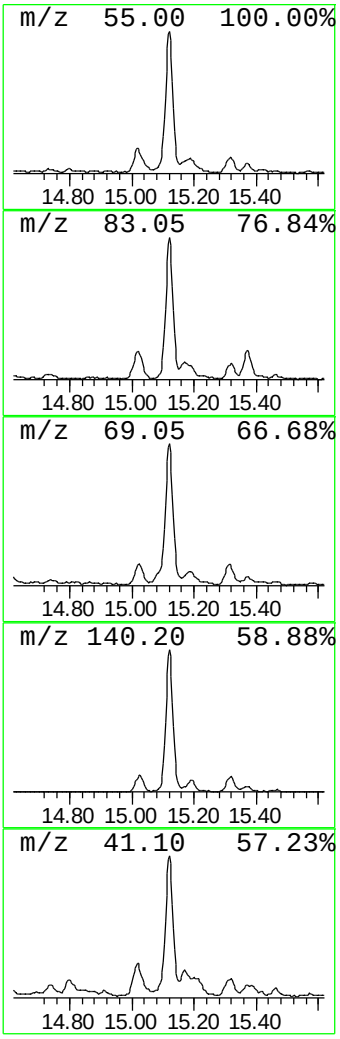
****

Peak Number 32 (DEL) Alkane: Cyclic15.12 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	3.22 ug/L	656047	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	50
2	2,3-Dimethyl-2-octene	140	C10H20	019781-18-1	46
3	2-Methyl-3-ethyl-2-heptene	140	C10H20	019780-61-1	43
4	2,4-Dimethoxypyrimidine	140	C6H8N2O2	003551-55-1	42
5	2-Octene, 4-ethyl-	140	C10H20	053966-52-2	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

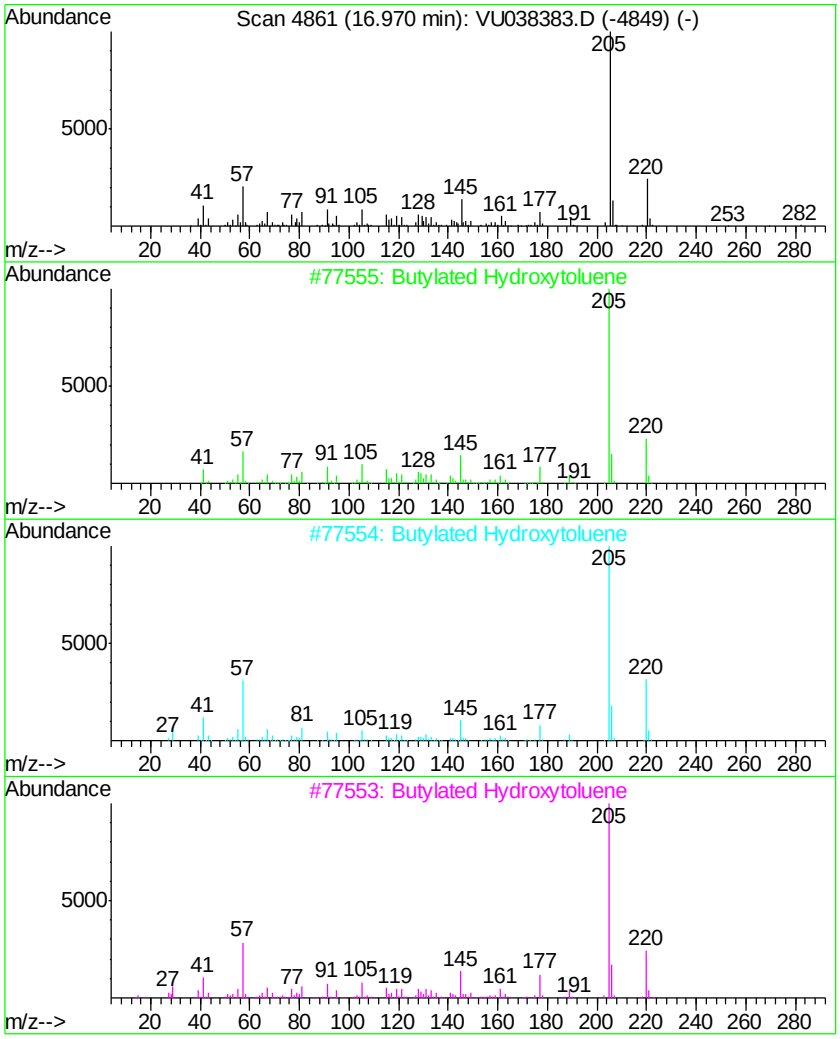
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

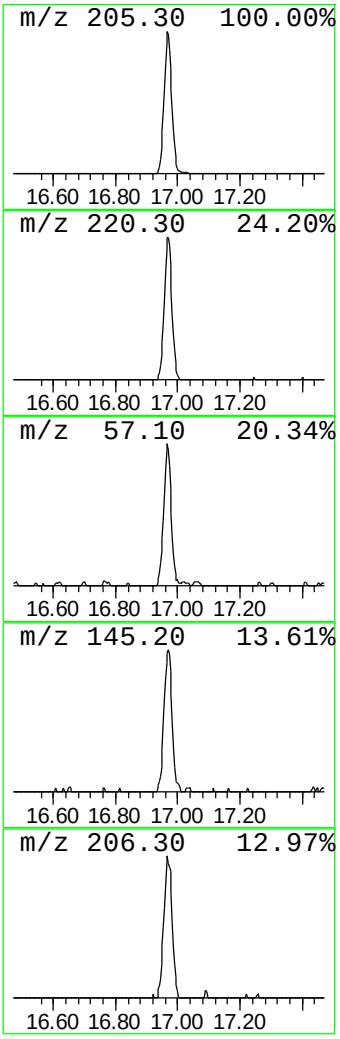
****

Peak Number 33 Butylated Hydroxytoluene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	1.15 ug/L	233499	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	98
2	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	97
3	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	94
4	Phenol, 4,6-di(1,1-dimethylethyl...	220	C15H24O	000616-55-7	81
5	Phenol, 2,6-bis(1,1-dimethylethy...	277	C17H27NO2	001918-11-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.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	2.40	37.5	ug/L	5515680	1	6.28	736284	5.0
(DEL) Alkane: Str...	3.11	1.4	ug/L	202066	1	6.28	736284	5.0
(DEL) Alkane: Str...	3.74	3.4	ug/L	495424	1	6.28	736284	5.0
Diisopropyl ether	4.03	132.7	ug/L	19534800	1	6.28	736284	5.0
(DEL) Alkane: Cyc...	4.57	12.5	ug/L	1836270	1	6.28	736284	5.0
(DEL) Alkane: Cyc...	5.88	1.4	ug/L	198219	1	6.28	736284	5.0
Furan, tetrahydro...	7.74	1.7	ug/L	247373	1	6.28	736284	5.0
3-Heptanone, 5-me...	10.91	8.3	ug/L	1687500	3	11.83	1018790	5.0
Benzene, 1-chloro...	11.00	1.2	ug/L	246441	3	11.83	1018790	5.0
Benzene, 1-ethyl-...	11.30	3.2	ug/L	653878	3	11.83	1018790	5.0
Benzene, tert-butyl-	11.43	4.0	ug/L	823962	3	11.83	1018790	5.0
1,3-Dithiolane	11.62	1.0	ug/L	202602	3	11.83	1018790	5.0
unknown-01	11.65	1.7	ug/L	341495	3	11.83	1018790	5.0
unknown-02	11.90	7.9	ug/L	1613800	3	11.83	1018790	5.0
Indane	12.11	3.8	ug/L	772470	3	11.83	1018790	5.0
Benzene, 4-ethyl-...	12.58	3.6	ug/L	737059	3	11.83	1018790	5.0
Benzene, (2-methy...	12.70	1.4	ug/L	280006	3	11.83	1018790	5.0
Benzene, 4-chloro...	12.80	1.7	ug/L	355219	3	11.83	1018790	5.0
Benzene, 1-chloro...	12.84	6.2	ug/L	1262140	3	11.83	1018790	5.0
3-Octanol, 3,6-di...	12.88	2.9	ug/L	592978	3	11.83	1018790	5.0
Benzene, 1,2,3,4-...	12.99	3.0	ug/L	617422	3	11.83	1018790	5.0
unknown-03	13.50	2.5	ug/L	503149	3	11.83	1018790	5.0
(DEL) Alkane: Str...	13.63	1.2	ug/L	245894	3	11.83	1018790	5.0
Benzene, 1-fluoro...	13.88	1.6	ug/L	335063	3	11.83	1018790	5.0
(DEL) Alkane: Cyc...	13.98	1.1	ug/L	216205	3	11.83	1018790	5.0
4-Butyl-cyclohexa...	14.03	3.8	ug/L	780026	3	11.83	1018790	5.0
unknown-04	14.32	1.1	ug/L	212926	3	11.83	1018790	5.0
Pyridine, 2,5-dia...	14.60	1.2	ug/L	241479	3	11.83	1018790	5.0
unknown-05	14.80	1.4	ug/L	283841	3	11.83	1018790	5.0
1-Oxaspiro[4.5]de...	15.01	1.8	ug/L	368070	3	11.83	1018790	5.0
(DEL) Alkane: Cyc...	15.12	3.2	ug/L	656047	3	11.83	1018790	5.0
Butylated Hydroxy...	16.97	1.1	ug/L	233499	3	11.83	1018790	5.0