

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051420\
 Data File : VU038171.D
 Acq On : 14 May 2020 15:55
 Operator : JC/MD
 Sample : L2634-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 15 01:08:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 01:05:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.32	114	347340	5.00	ug/L	0.04
28) Chlorobenzene-d5	9.45	117	331939	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	156621	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.65	65	112072	3.53	ug/L	0.03
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.60%
7) Chloroethane-d5	1.97	69	100756	3.67	ug/L	0.04
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.40%
11) 1,1-Dichloroethene-d2	2.64	63	158878	2.99	ug/L	0.05
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.80%#
20) 2-Butanone-d5	4.82	46	403848	51.52	ug/L	0.13
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.04%
24) Chloroform-d	5.17	84	209228	4.34	ug/L	0.07
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.79	65	127431	4.61	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.81	84	437985	4.40	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.76	67	146525	4.56	ug/L	0.04
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.94	98	384480	4.30	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	8.22	79	50470	3.92	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.40%
46) 2-Hexanone-d5	8.68	63	334850	55.14	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.28%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	125752	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	144108	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

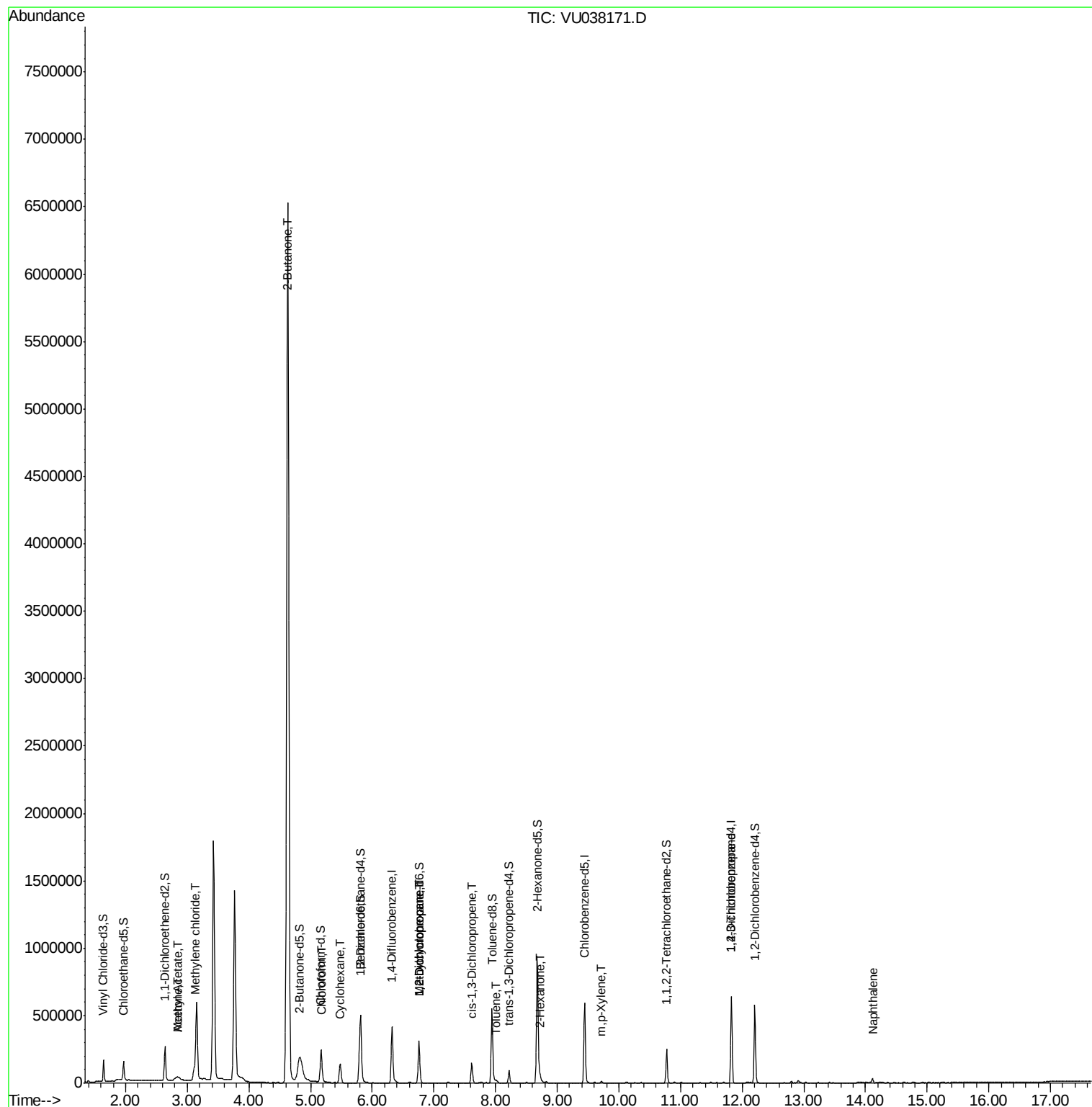
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.84	43	92570	18.823	ug/L	96
15) Methyl Acetate	2.84	43	92968	6.758	ug/L #	53
16) Methylene chloride	3.13	84	4488	0.160	ug/L #	55
21) 2-Butanone	4.63	43	405185	46.677	ug/L #	48
25) Chloroform	5.19	83	7983	0.167	ug/L	93
30) Cyclohexane	5.48	56	68640	1.529	ug/L	99
35) Methylcyclohexane	6.76	83	32311	0.750	ug/L #	16
37) 1,2-Dichloropropane	6.76	63	15678	0.543	ug/L #	88
39) cis-1,3-Dichloropropene	7.62	75	3248	0.079	ug/L #	1
42) Toluene	8.01	91	11095	0.099	ug/L	90
48) 2-Hexanone	8.73	43	24960	1.703	ug/L	96
53) m,p-Xylene	9.72	106	3884	0.083	ug/L	76
59) 1,2,3-Trichloropropane	11.83	75	20535	1.060	ug/L #	85
69) Naphthalene	14.11	128	22105	0.313	ug/L	100

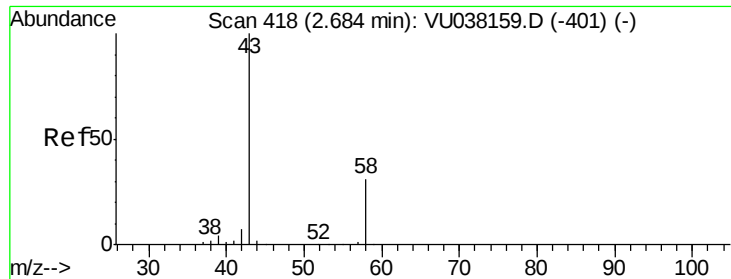
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 18.823 ug/L

RT: 2.84 min Scan# 466

Delta R.T. 0.15 min

Lab File: VU038171.D

Acq: 14 May 2020 15:55

Instrument :

MSVOA_U

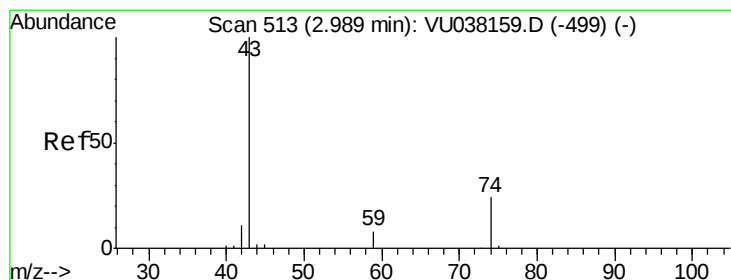
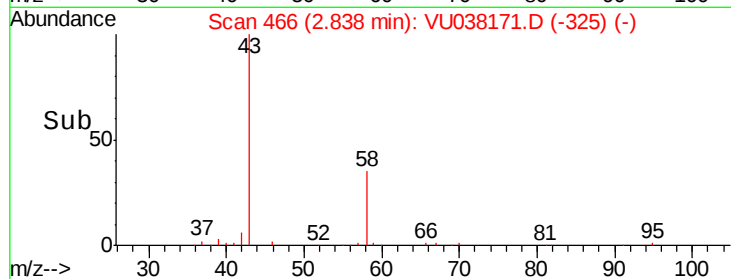
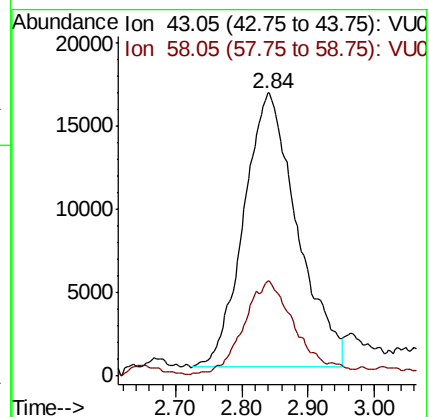
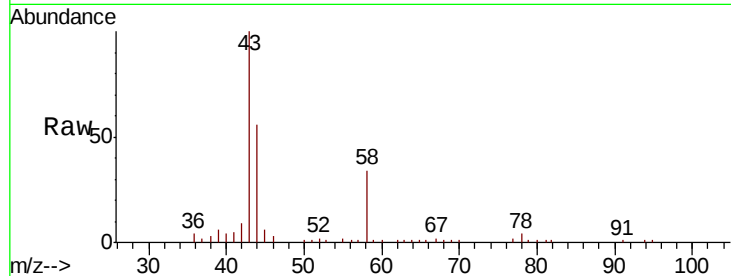
ClientSampleId :

Tot Ion: 43 Resp: 92570

Ion Ratio Lower Upper

43 100

58 29.5 0.0 63.6



#15

Methyl Acetate

Concen: 6.758 ug/L

RT: 2.84 min Scan# 466

Delta R.T. -0.15 min

Lab File: VU038171.D

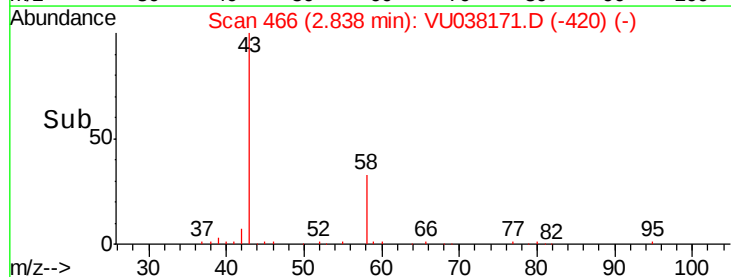
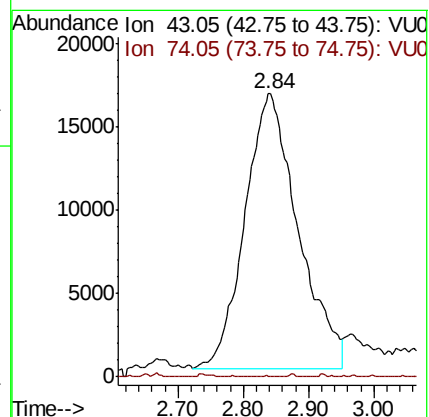
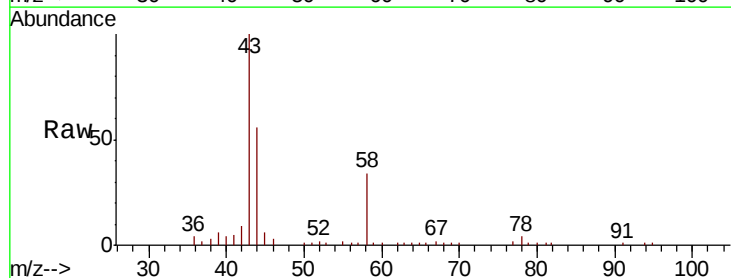
Acq: 14 May 2020 15:55

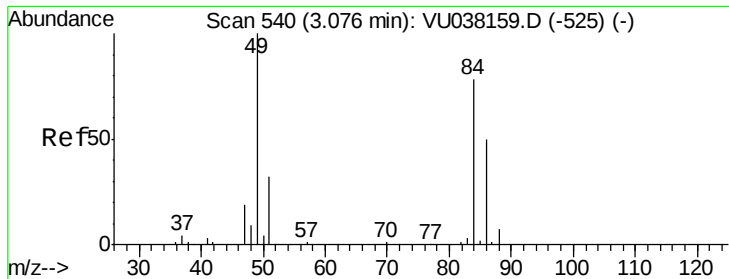
Tgt Ion: 43 Resp: 92968

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#

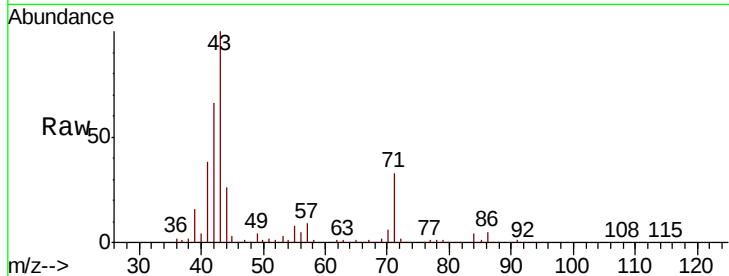




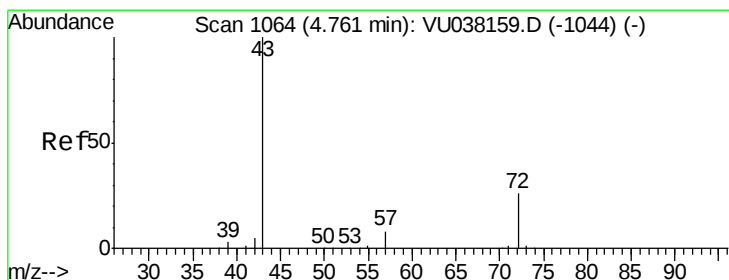
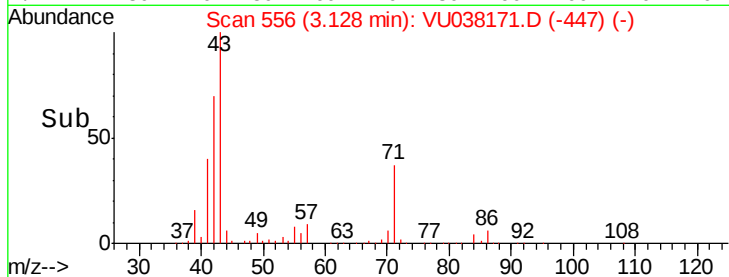
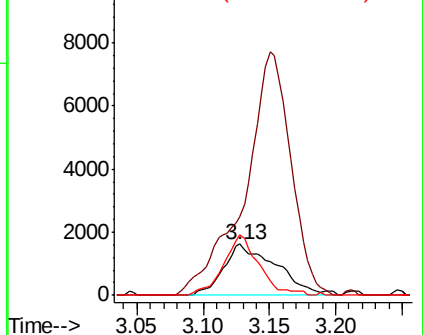
#16
Methvlene chloride
Concen: 0.160 ug/L
RT: 3.13 min Scan# 556
Delta R.T. 0.05 min
Lab File: VU038171.D
Acq: 14 May 2020 15:55

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 4488
Ion Ratio Lower Upper
84 100
86 153.1 44.9 83.3#
49 117.9 92.0 170.9

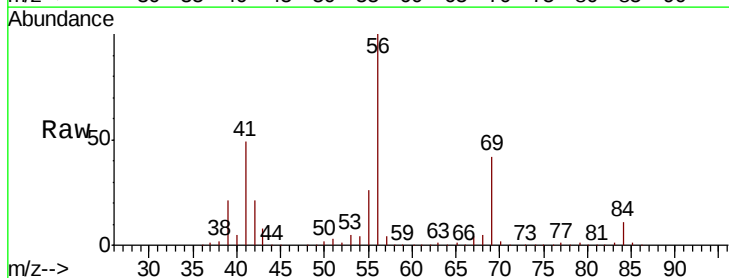


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

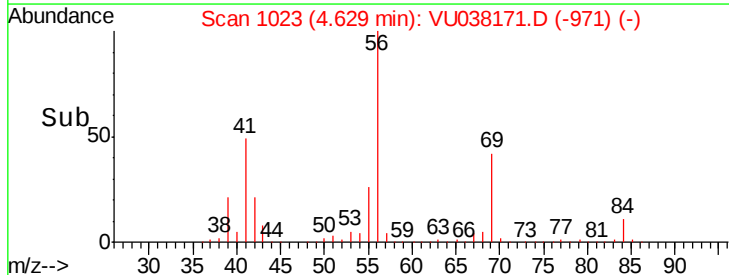
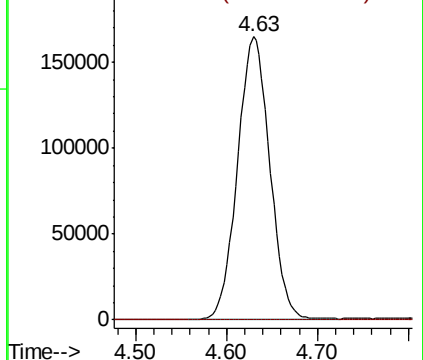


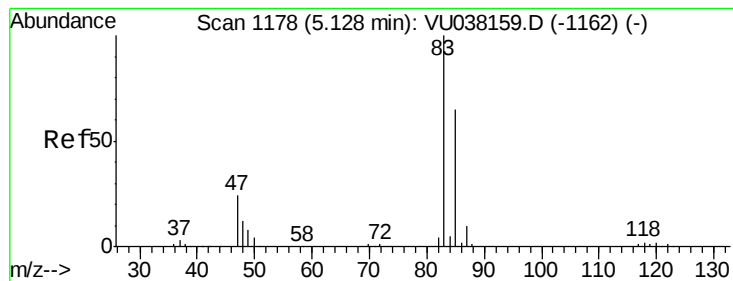
#21
2-Butanone
Concen: 46.677 ug/L
RT: 4.63 min Scan# 1023
Delta R.T. -0.13 min
Lab File: VU038171.D
Acq: 14 May 2020 15:55

Tgt Ion: 43 Resp: 405185
Ion Ratio Lower Upper
43 100
72 0.0 13.5 40.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0





#25

Chloroform

Concen: 0.167 ug/L

RT: 5.19 min Scan# 1198

Delta R.T. 0.06 min

Lab File: VU038171.D

Acq: 14 May 2020 15:55

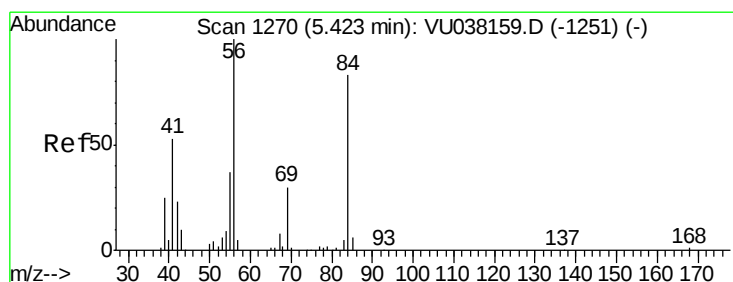
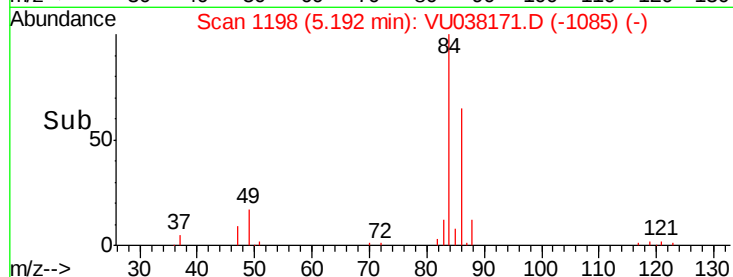
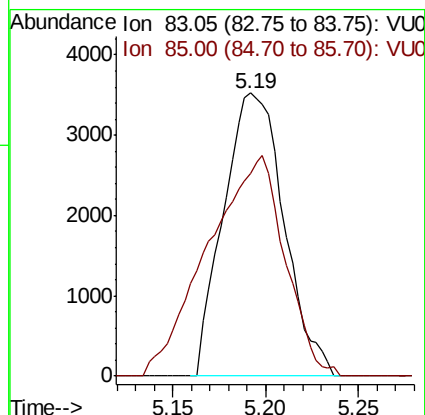
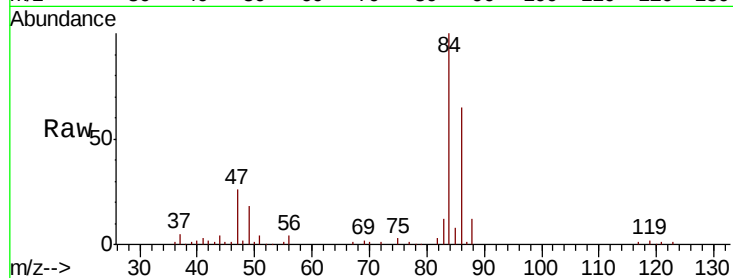
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 7983

Ion Ratio Lower Upper

83 100

85 71.7 46.2 85.8



#30

Cyclohexane

Concen: 1.529 ug/L

RT: 5.48 min Scan# 1287

Delta R.T. 0.05 min

Lab File: VU038171.D

Acq: 14 May 2020 15:55

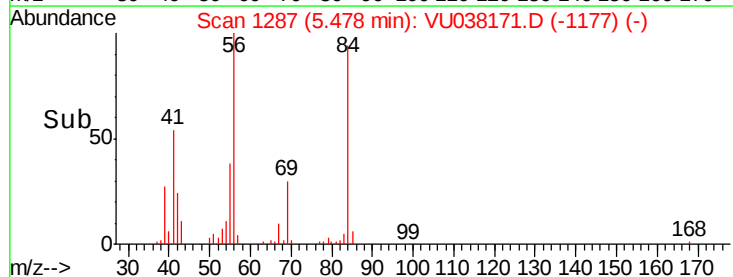
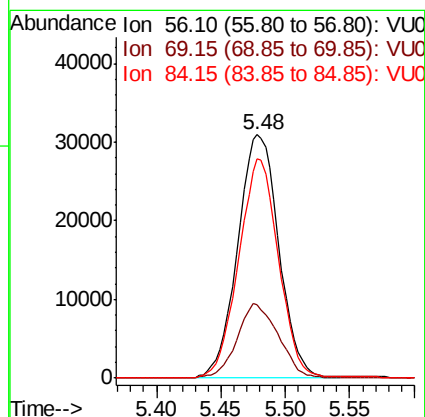
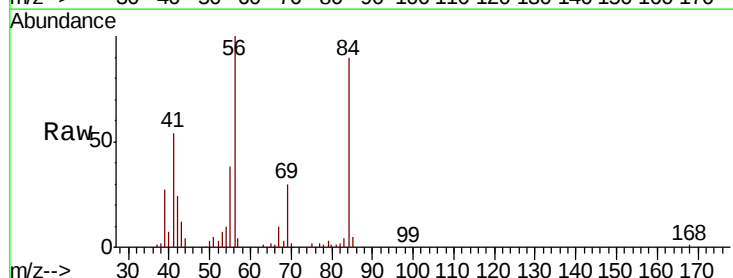
Tgt Ion: 56 Resp: 68640

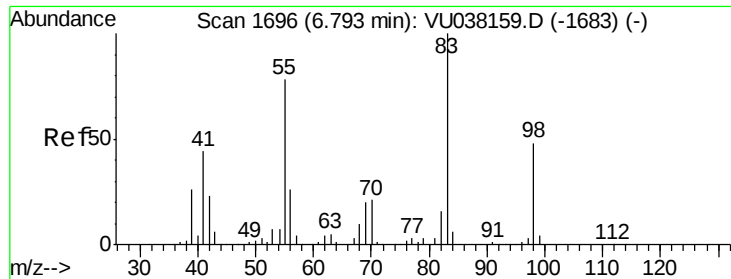
Ion Ratio Lower Upper

56 100

69 30.8 24.2 36.4

84 87.1 68.5 102.7

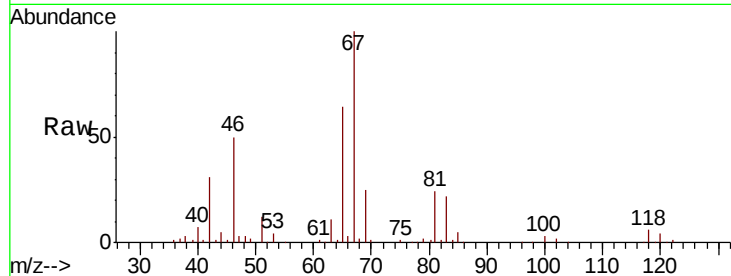




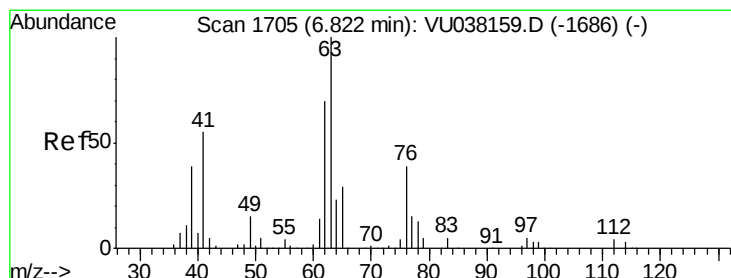
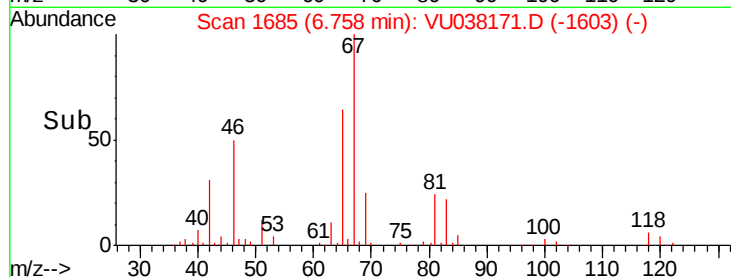
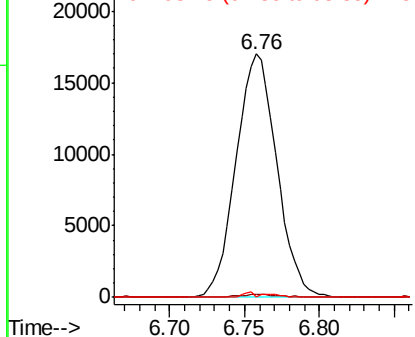
#35
Methvlcvclohexane
Concen: 0.750 ug/L
RT: 6.76 min Scan# 1685
Delta R.T. -0.04 min
Lab File: VU038171.D
Acq: 14 May 2020 15:55

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 32311
Ion Ratio Lower Upper
83 100
55 1.2 66.7 100.1#
98 0.7 39.4 59.2#

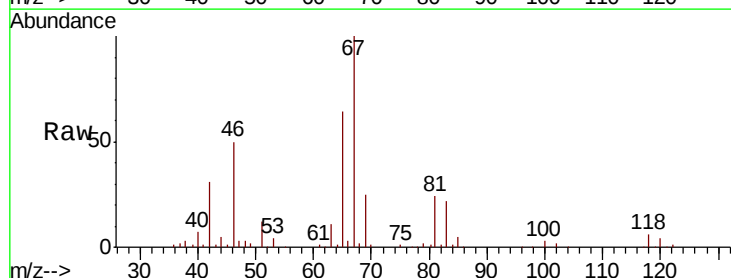


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

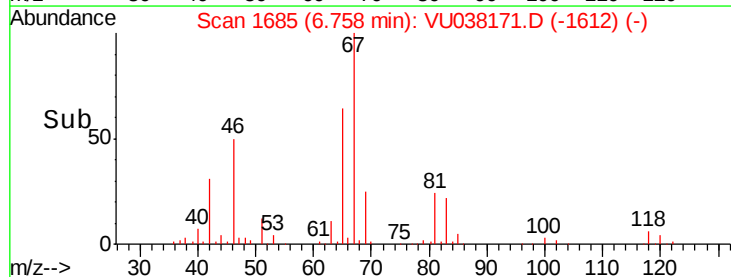
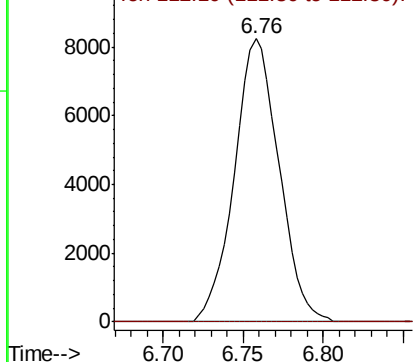


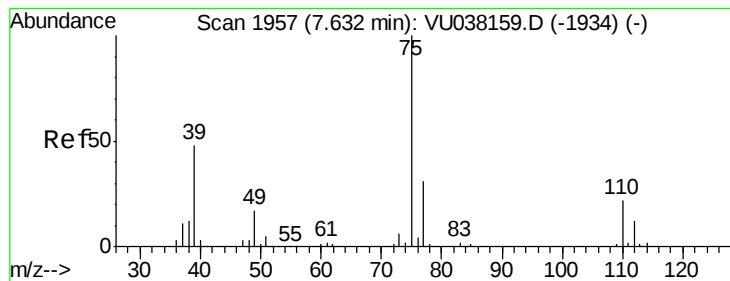
#37
1,2-Dichloropropane
Concen: 0.543 ug/L
RT: 6.76 min Scan# 1685
Delta R.T. -0.06 min
Lab File: VU038171.D
Acq: 14 May 2020 15:55

Tgt Ion: 63 Resp: 15678
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



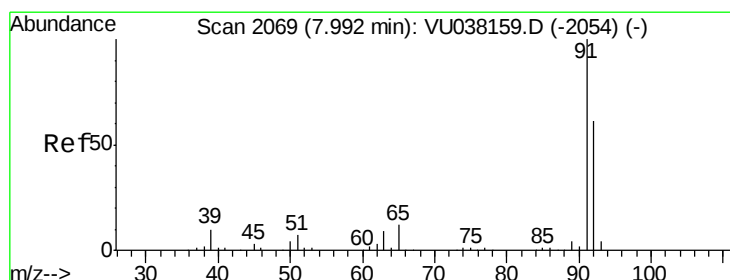
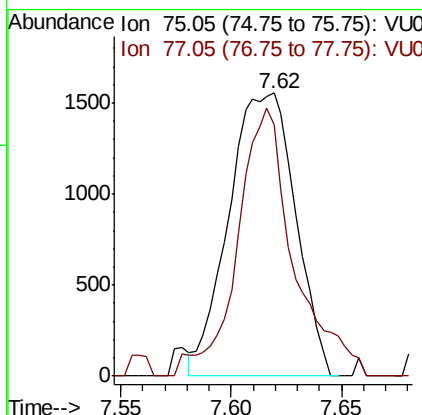
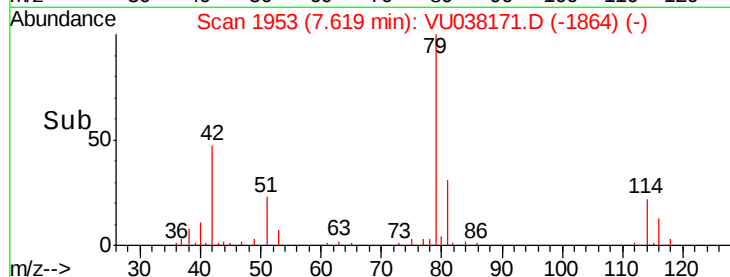
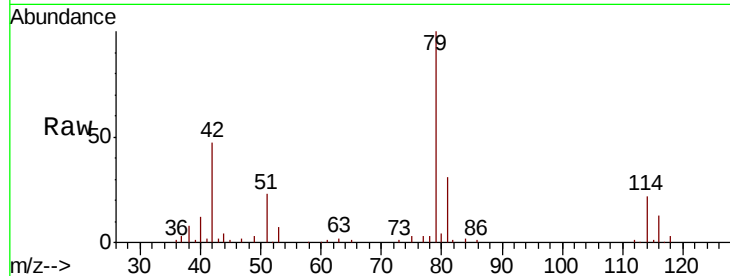


#39

cis-1,3-Dichloropropene
 Concen: 0.079 ug/L
 RT: 7.62 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VU038171.D
 Acq: 14 May 2020 15:55

Instrument :
 MSVOA_U
 ClientSampleId :

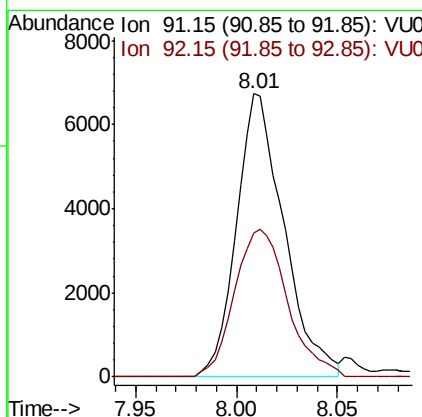
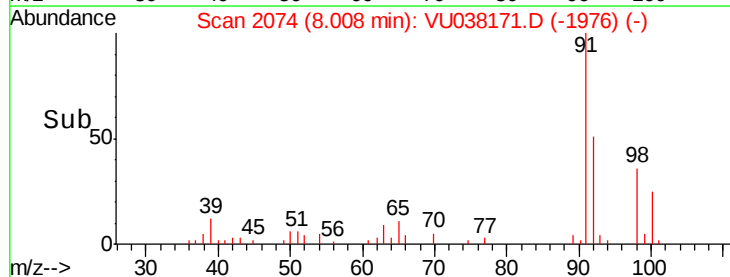
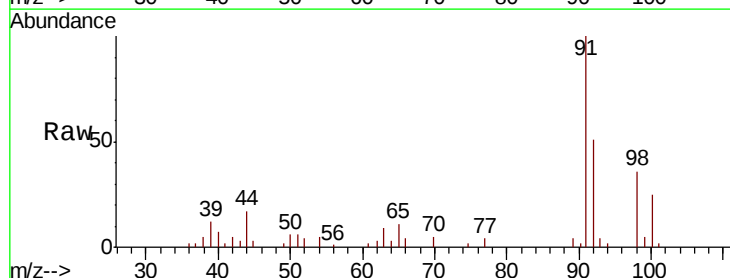
Tot Ion: 75 Resp: 3248
 Ion Ratio Lower Upper
 75 100
 77 88.6 22.4 41.6#

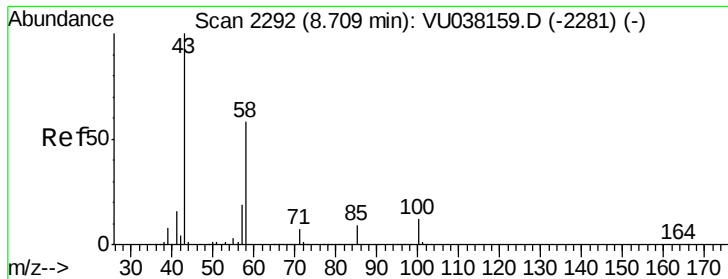


#42

Toluene
 Concen: 0.099 ug/L
 RT: 8.01 min Scan# 2074
 Delta R.T. 0.02 min
 Lab File: VU038171.D
 Acq: 14 May 2020 15:55

Tgt Ion: 91 Resp: 11095
 Ion Ratio Lower Upper
 91 100
 92 50.7 40.9 75.9

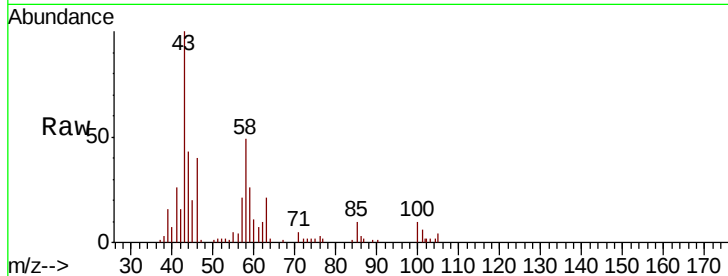




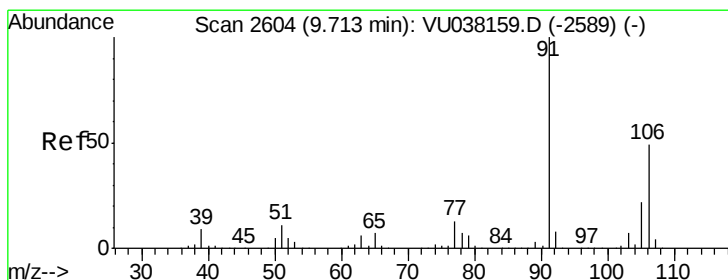
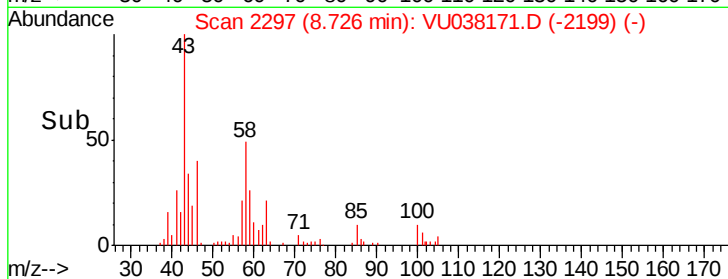
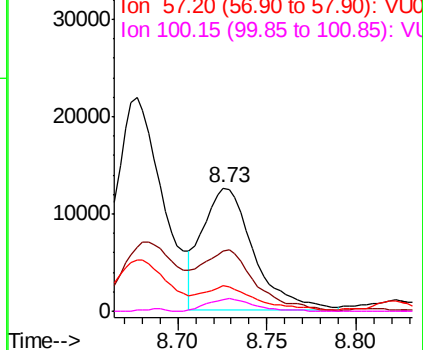
#48
2-Hexanone
Concen: 1.703 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.02 min
Lab File: VU038171.D
Acq: 14 May 2020 15:55

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 24960
Ion Ratio Lower Upper
43 100
58 54.1 45.2 67.8
57 21.5 15.5 23.3
100 9.5 9.5 14.3

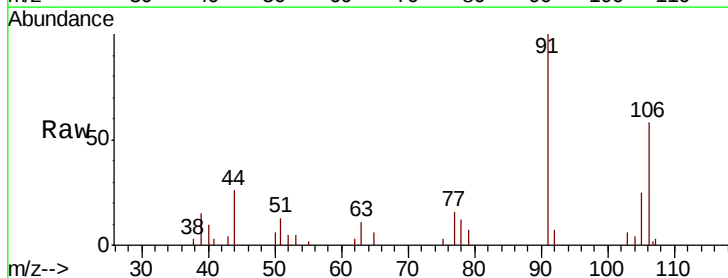


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

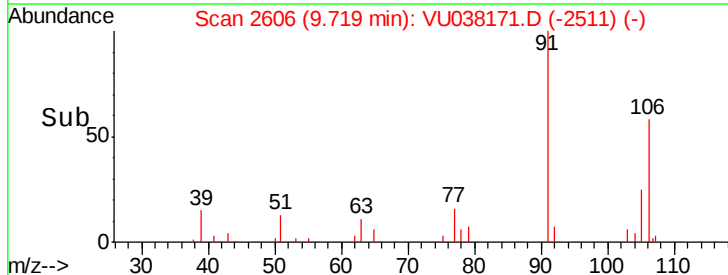
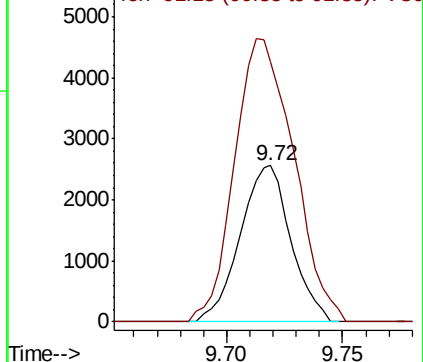


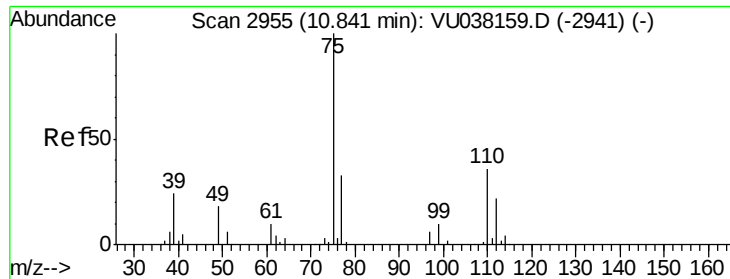
#53
m,p-Xylene
Concen: 0.083 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. 0.01 min
Lab File: VU038171.D
Acq: 14 May 2020 15:55

Tgt Ion: 106 Resp: 3884
Ion Ratio Lower Upper
106 100
91 166.5 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

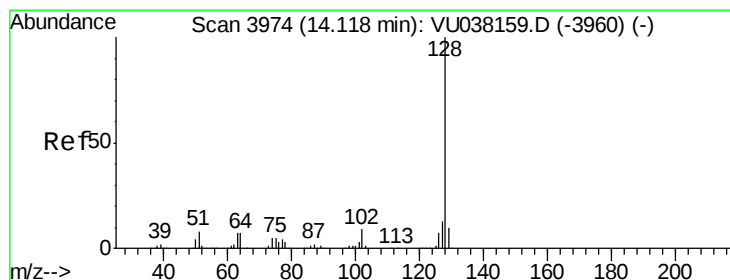
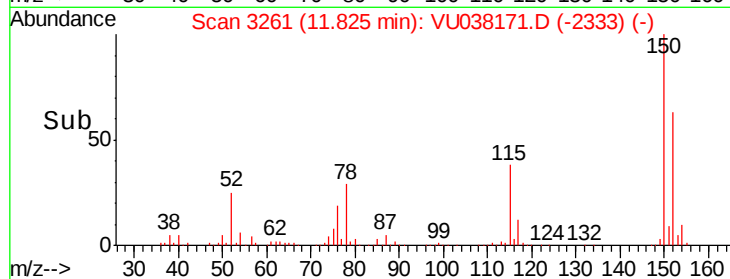
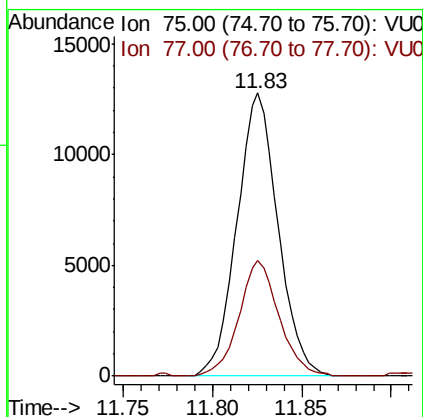
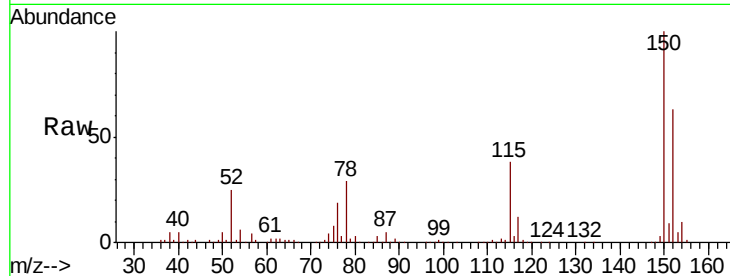




#59
 1,2,3-Trichloropropane
 Concen: 1.060 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.98 min
 Lab File: VU038171.D
 Acq: 14 May 2020 15:55

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 20535
 Ion Ratio Lower Upper
 75 100
 77 39.9 25.4 38.0#



#69
 Naphthalene
 Concen: 0.313 ug/L
 RT: 14.11 min Scan# 3973
 Delta R.T. -0.00 min
 Lab File: VU038171.D
 Acq: 14 May 2020 15:55

Tgt Ion: 128 Resp: 22105
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.7 13.1
 127 12.7 10.2 15.4

