

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030620\
 Data File : VU037108.D
 Acq On : 06 Mar 2020 14:45
 Operator : JC/MD
 Sample : L1784-11 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 07 00:02:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 23:54:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	260372	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	247657	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	84055	50.00	ug/L	0.00

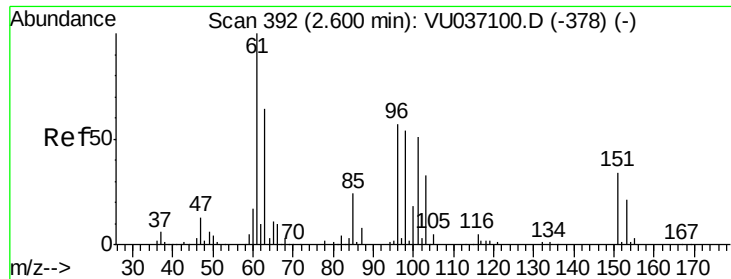
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	92095	42.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.24%
7) Chloroethane-d5	1.93	69	84287	46.59	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.18%
11) 1,1-Dichloroethene-d2	2.59	63	120155	32.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.64%
21) 2-Butanone-d5	4.67	46	139712	95.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.26%
24) Chloroform-d	5.10	84	151127	45.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.52%
26) 1,2-Dichloroethane-d4	5.74	65	105364	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.26%
32) Benzene-d6	5.76	84	327375	45.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.42%
36) 1,2-Dichloropropane-d6	6.72	67	108600	46.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.62%
41) Toluene-d8	7.92	98	289219	43.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.06%
43) trans-1,3-Dichloropropene-	8.20	79	43914	40.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.46%
47) 2-Hexanone-d5	8.66	63	90274	79.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.57%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	146115	44.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.34%
64) 1,2-Dichlorobenzene-d4	12.21	152	79584	48.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.86%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	1565	0.941 ug/L #	42
12) 1,1-Dichloroethene	2.60	96	1416	0.842 ug/L #	1
20) cis-1,2-Dichloroethene	4.71	96	4463	2.209 ug/L	94
30) 1,1,1-Trichloroethane	5.36	97	44333	16.696 ug/L	99
31) Carbon tetrachloride	5.36	117	5528	2.656 ug/L	99
34) Trichloroethene	6.57	95	87778	45.647 ug/L	98
35) Methylcyclohexane	6.72	83	23642	7.091 ug/L #	19
37) 1,2-Dichloropropane	6.72	63	12150	5.768 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2850	0.878 ug/L #	67
59) 1,2,3-Trichloropropane	11.83	75	13674	5.046 ug/L	100

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



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.941 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.00 min

Lab File: VU037108.D

Acq: 06 Mar 2020 14:45

Instrument :

MSVOA_U

ClientSampled :

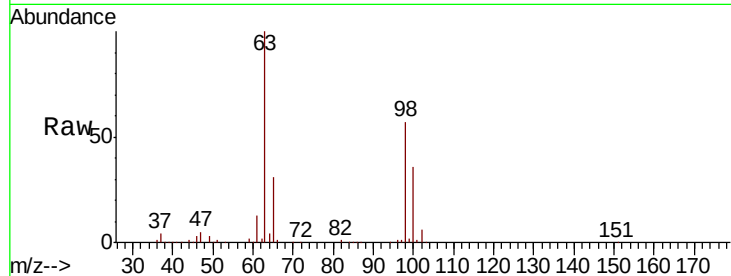
Tot Ion:101 Resp: 1565

Ion Ratio Lower Upper

101 100

85 15.8 36.4 54.6#

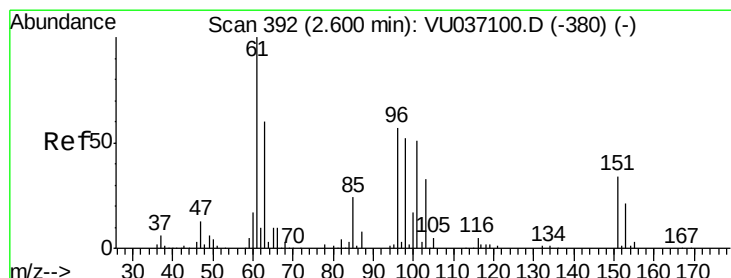
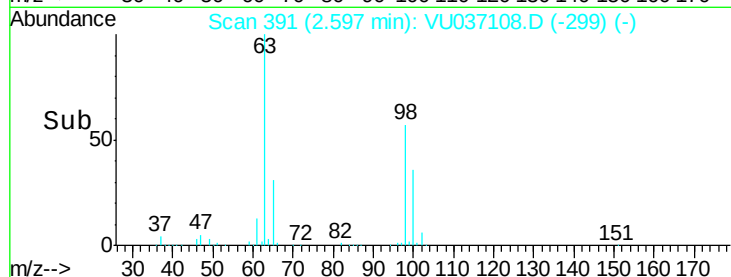
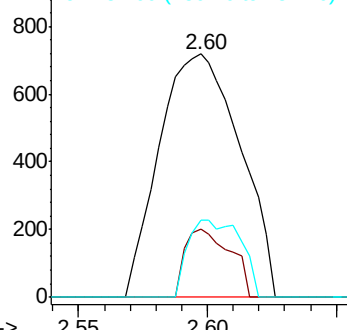
151 12.1 52.4 78.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.842 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.00 min

Lab File: VU037108.D

Acq: 06 Mar 2020 14:45

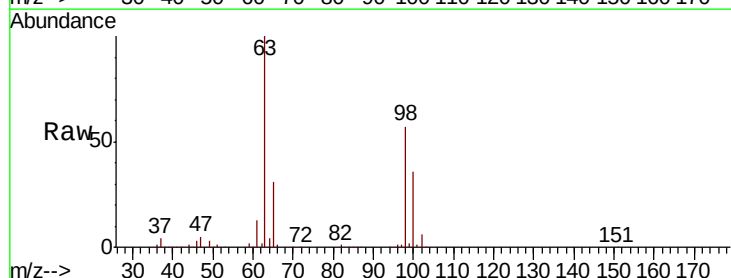
Tgt Ion: 96 Resp: 1416

Ion Ratio Lower Upper

96 100

61 1080.9 127.5 236.7#

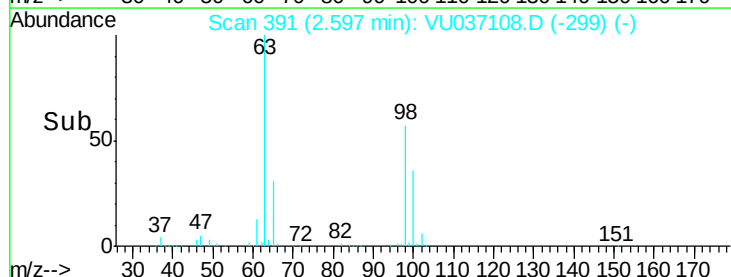
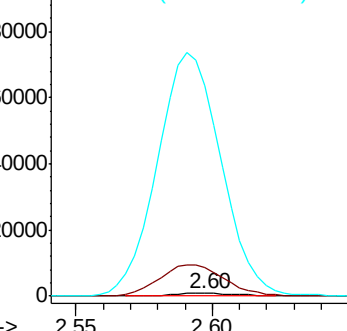
63 8094.8 101.4 188.2#

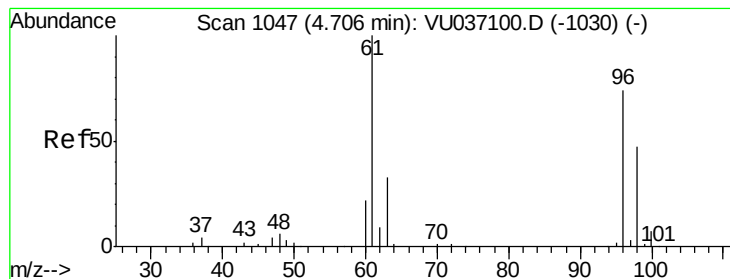


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 2.209 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.01 min

Lab File: VU037108.D

Acq: 06 Mar 2020 14:45

Instrument :

MSVOA_U

ClientSampleId :

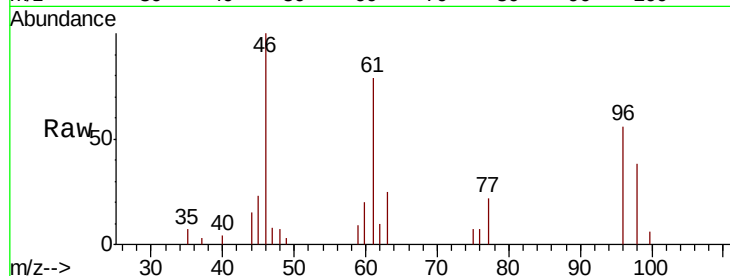
Tot Ion: 96 Resp: 4463

Ion Ratio Lower Upper

96 100

61 139.8 93.1 172.9

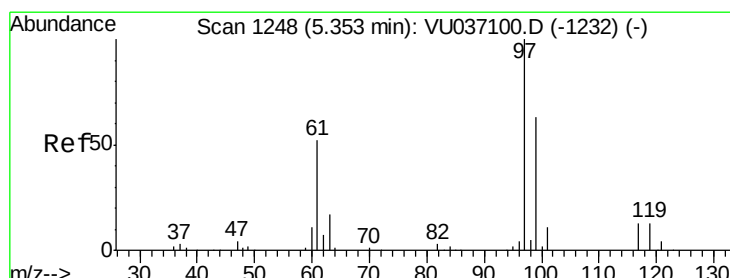
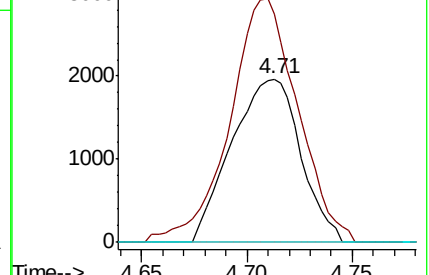
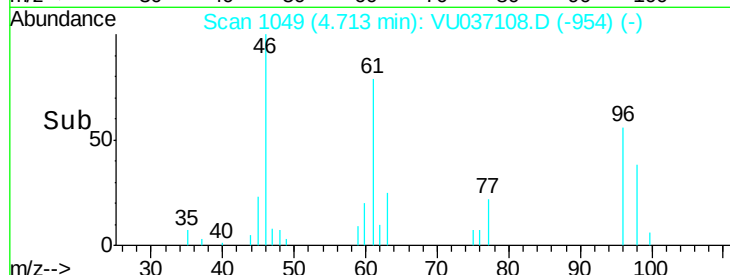
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037108.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU037108.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU037108.D (-954) (-)



#30

1,1,1-Trichloroethane

Concen: 16.696 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU037108.D

Acq: 06 Mar 2020 14:45

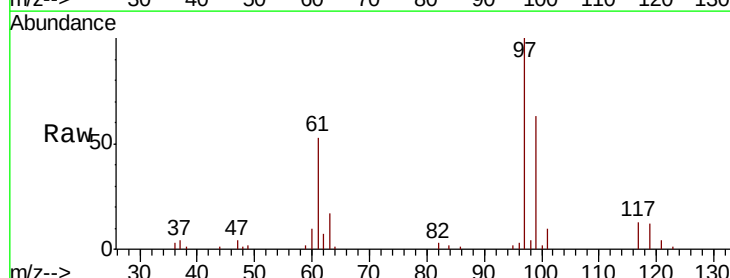
Tgt Ion: 97 Resp: 44333

Ion Ratio Lower Upper

97 100

99 63.0 50.4 75.6

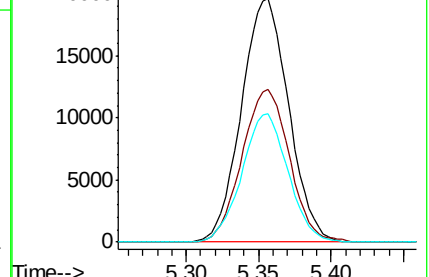
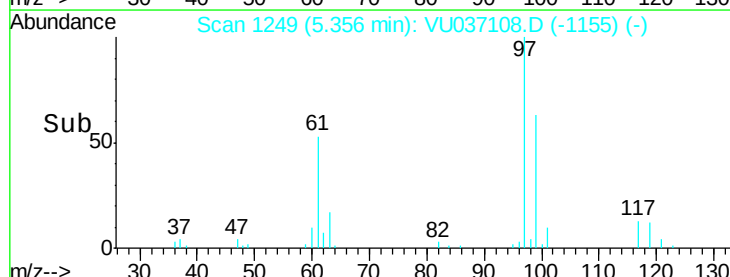
61 51.4 40.3 60.5

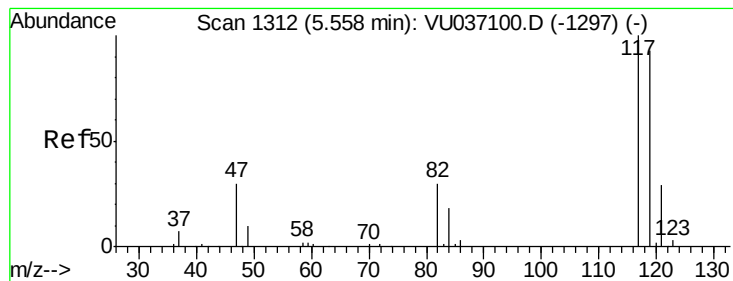


Abundance Ion 97.00 (96.70 to 97.70): VU037108.D (-1155) (-)

Ion 99.00 (98.70 to 99.70): VU037108.D (-1155) (-)

Ion 61.05 (60.75 to 61.75): VU037108.D (-1155) (-)





#31

Carbon tetrachloride

Concen: 2.656 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.20 min

Lab File: VU037108.D

Acq: 06 Mar 2020 14:45

Instrument :

MSVOA_U

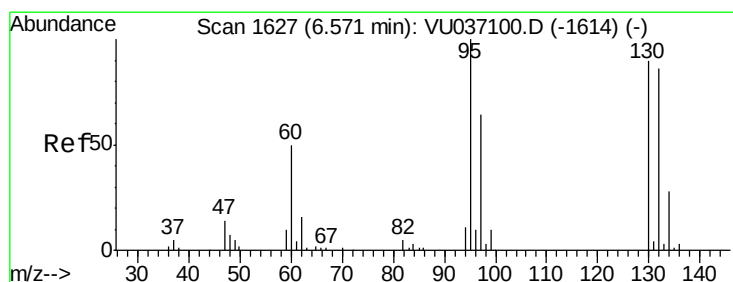
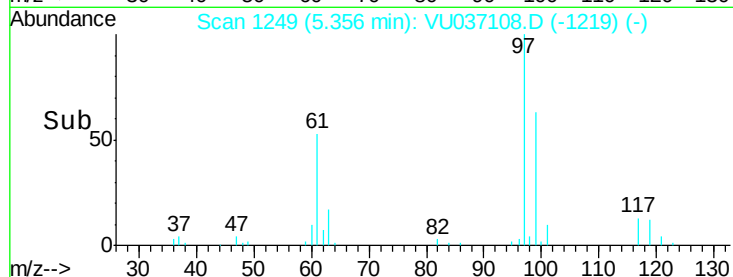
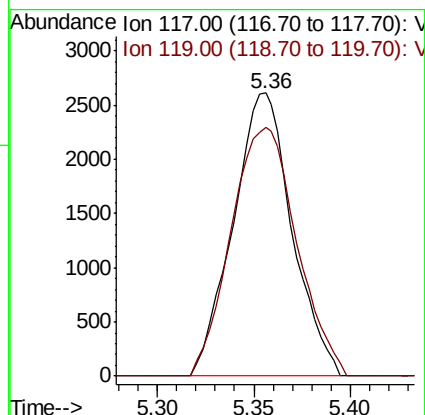
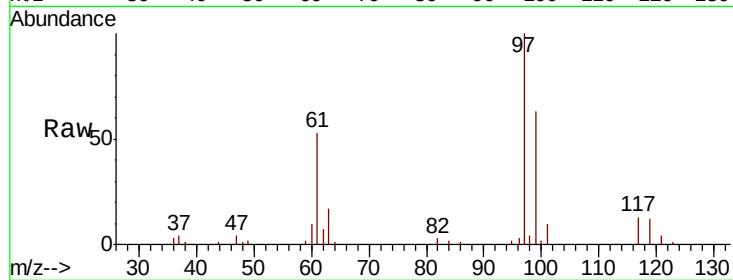
ClientSampleId :

Tot Ion:117 Resp: 5528

Ion Ratio Lower Upper

117 100

119 98.0 77.2 115.8



#34

Trichloroethene

Concen: 45.647 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037108.D

Acq: 06 Mar 2020 14:45

Tgt Ion: 95 Resp: 87778

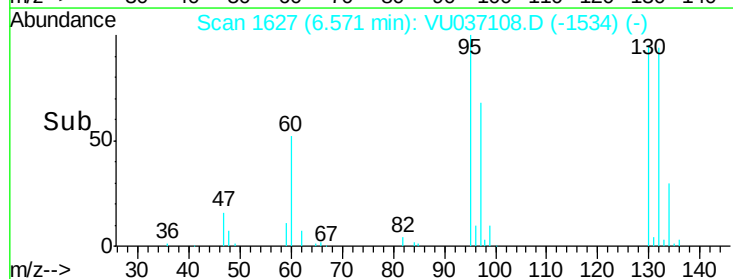
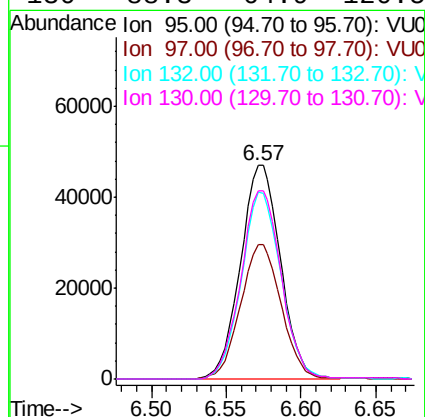
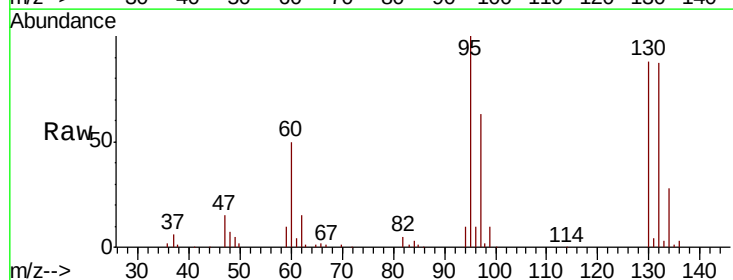
Ion Ratio Lower Upper

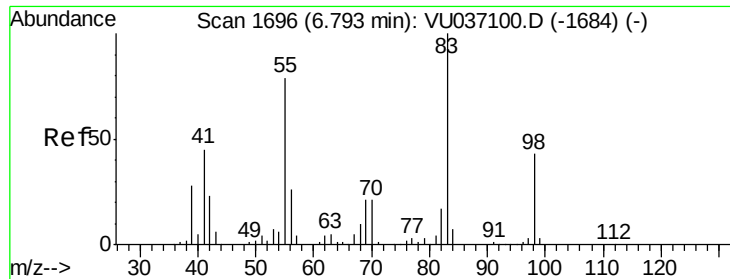
95 100

97 63.0 44.1 81.9

132 87.3 60.6 112.6

130 88.3 64.9 120.5

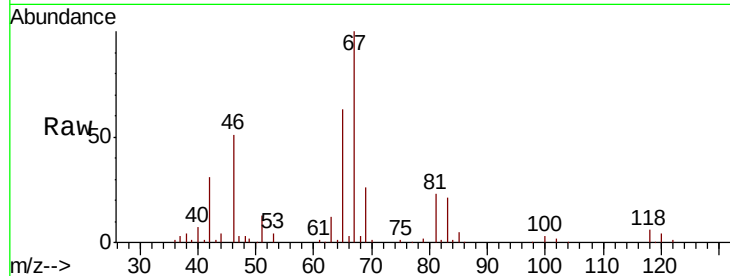




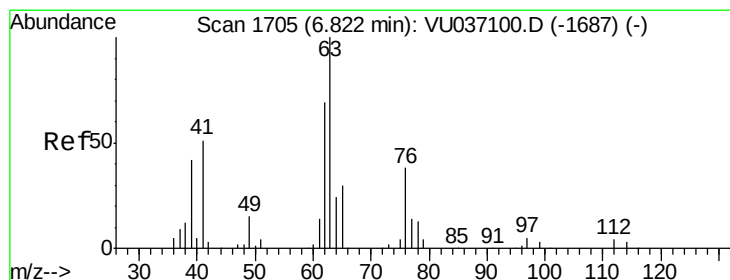
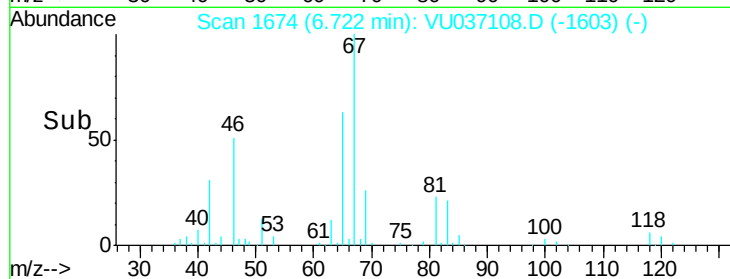
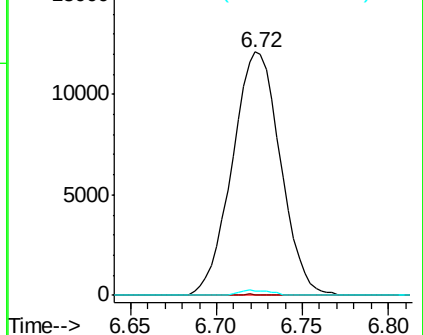
#35
Methvlcvclohexane
Concen: 7.091 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037108.D
Acq: 06 Mar 2020 14:45

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 23642
Ion Ratio Lower Upper
83 100
55 0.0 62.6 93.8#
98 1.4 35.1 52.7#

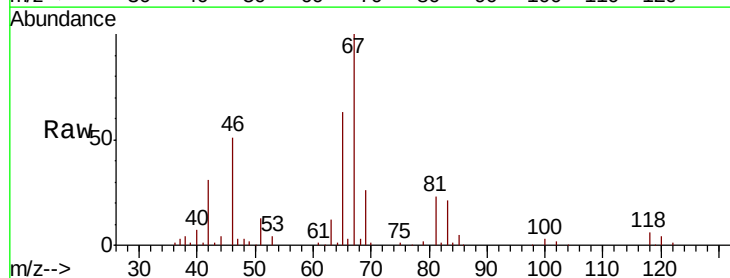


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

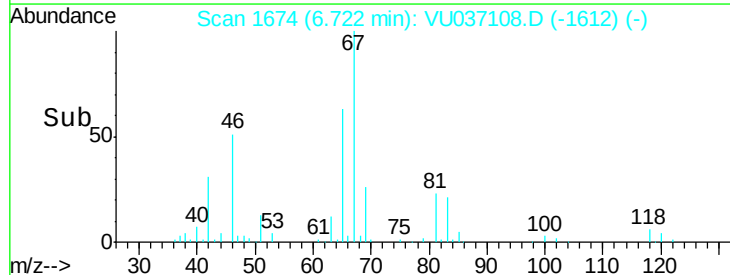
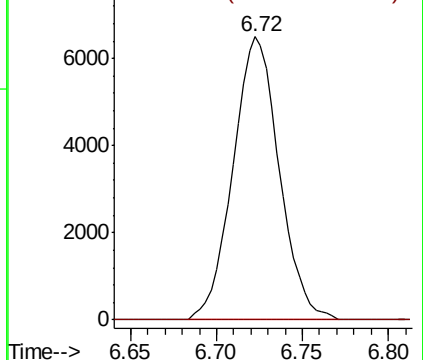


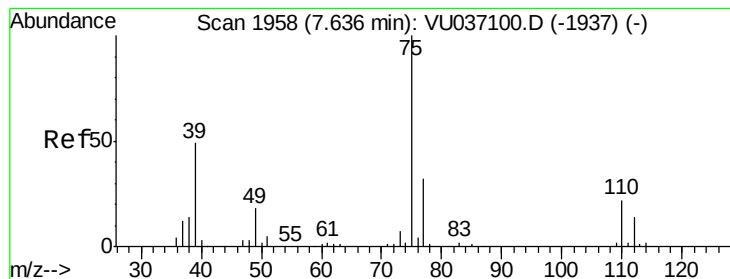
#37
1,2-Dichloropropane
Concen: 5.768 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU037108.D
Acq: 06 Mar 2020 14:45

Tgt Ion: 63 Resp: 12150
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V



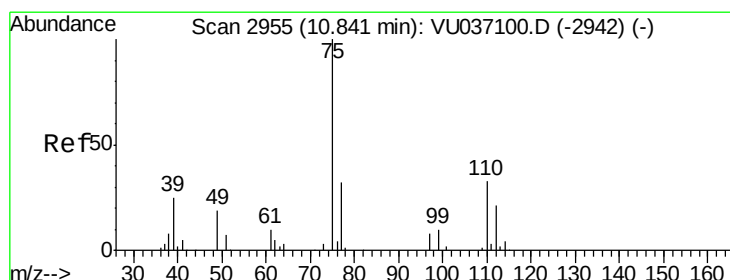
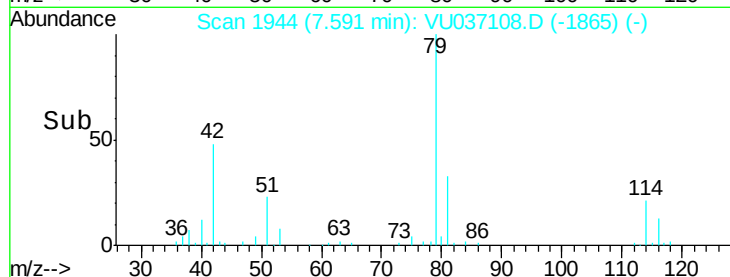
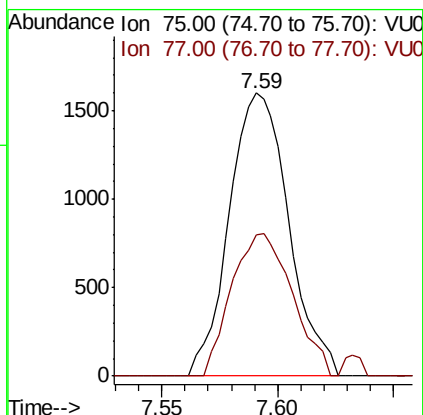
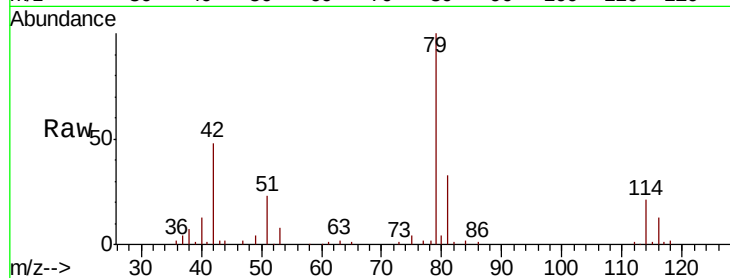


#39

cis-1,3-Dichloropropene
 Concen: 0.878 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037108.D
 Acq: 06 Mar 2020 14:45

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 2850
 Ion Ratio Lower Upper
 75 100
 77 49.8 22.0 41.0#



#59

1,2,3-Trichloropropane
 Concen: 5.046 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.99 min
 Lab File: VU037108.D
 Acq: 06 Mar 2020 14:45

Tgt Ion: 75 Resp: 13674
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.2 39.2

