

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030320\
 Data File : VU037026.D
 Acq On : 03 Mar 2020 16:09
 Operator : JC/MD
 Sample : L1746-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 04 06:55:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 04 06:53:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	253902	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	247688	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	87825	50.00	ug/L	0.00

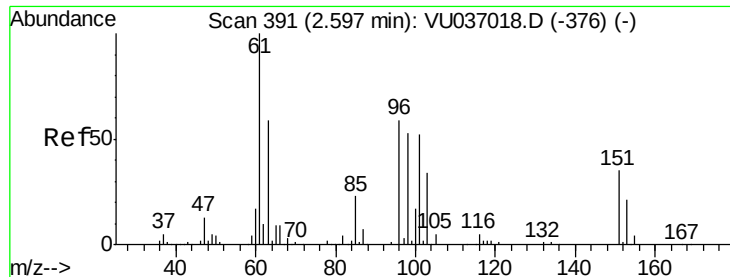
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	101046	47.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.78%
7) Chloroethane-d5	1.93	69	93049	52.74	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.48%
11) 1,1-Dichloroethene-d2	2.59	63	129374	36.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.46%
21) 2-Butanone-d5	4.67	46	152366	106.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.53%
24) Chloroform-d	5.11	84	165101	50.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.42%
26) 1,2-Dichloroethane-d4	5.74	65	115536	52.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.86%
32) Benzene-d6	5.91	84	50	0.01	ug/L	0.15
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.02%#
36) 1,2-Dichloropropane-d6	6.73	67	118688	51.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.30%
41) Toluene-d8	7.92	98	322052	48.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.92%
43) trans-1,3-Dichloropropene-	8.20	79	47269	43.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.66%
47) 2-Hexanone-d5	8.66	63	101175	89.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.17%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	162061	49.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.06%
64) 1,2-Dichlorobenzene-d4	12.21	152	91198	53.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3148	1.942	ug/L #	72
13) Acetone	2.66	43	3330	2.264	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	33902	12.766	ug/L	97
31) Carbon tetrachloride	5.36	117	4228	2.031	ug/L	98
34) Trichloroethene	6.57	95	7173	3.730	ug/L	95
35) Methylcyclohexane	6.72	83	25507	7.649	ug/L #	19
37) 1,2-Dichloropropane	6.72	63	12710	6.033	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3348	1.032	ug/L #	69
59) 1,2,3-Trichloropropane	11.83	75	12899	4.759	ug/L	91

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



#10

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

Concen: 1.942 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU037026.D

Acq: 03 Mar 2020 16:09

Instrument :

MSVOA_U

ClientSampleId :

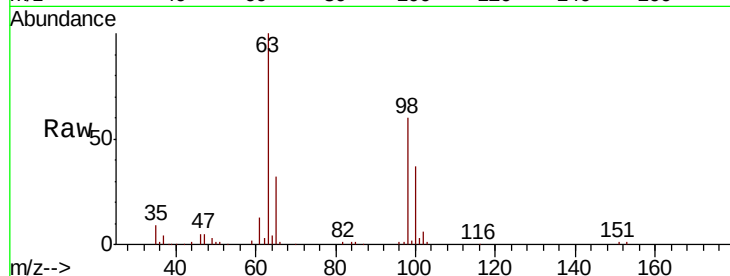
Tot Ion:101 Resp: 3148

Ion Ratio Lower Upper

101 100

85 31.0 36.4 54.6#

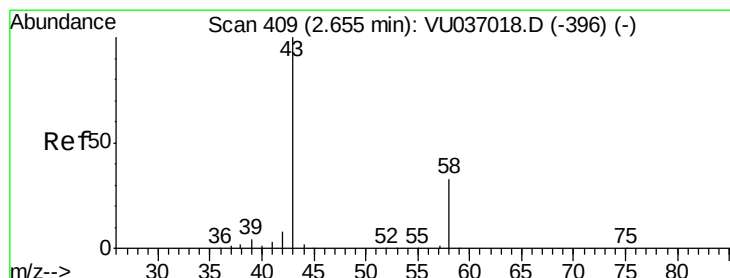
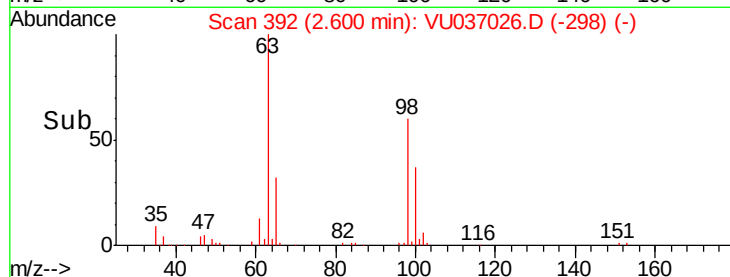
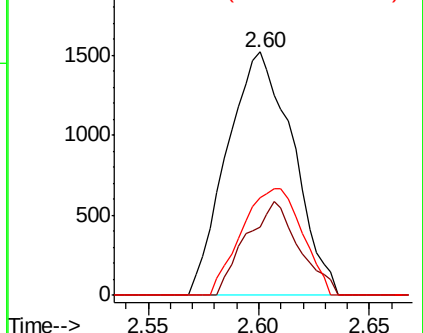
151 40.3 52.4 78.6#



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



#13

Acetone

Concen: 2.264 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU037026.D

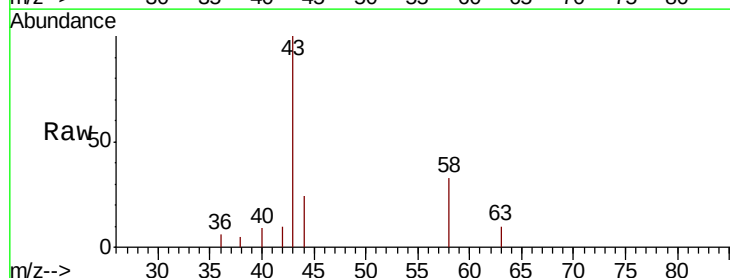
Acq: 03 Mar 2020 16:09

Tgt Ion: 43 Resp: 3330

Ion Ratio Lower Upper

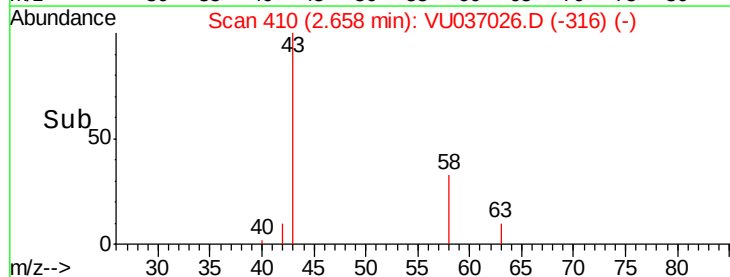
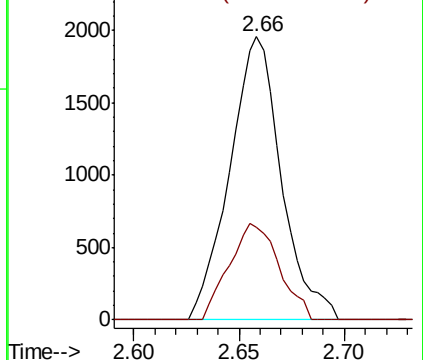
43 100

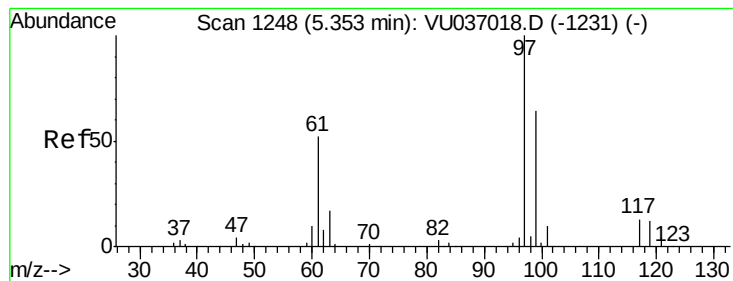
58 32.9 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#30

1,1,1-Trichloroethane

Concen: 12.766 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU037026.D

Acq: 03 Mar 2020 16:09

Instrument :

MSVOA_U

ClientSampled :

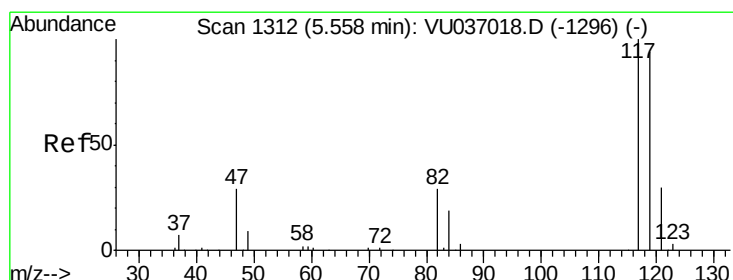
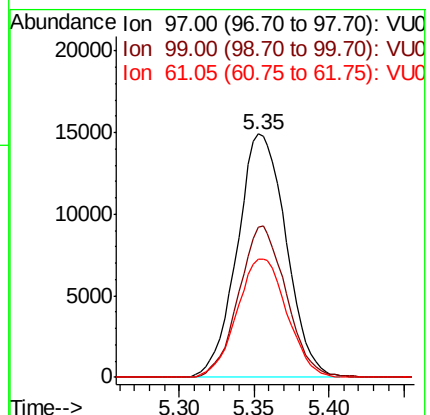
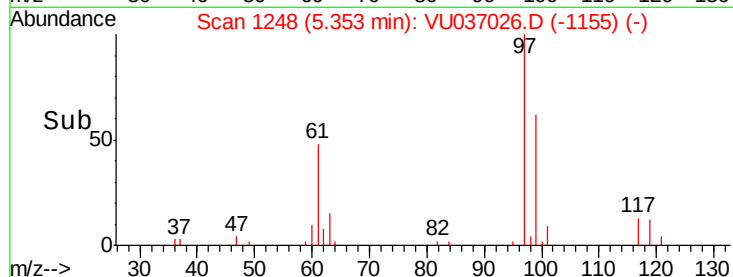
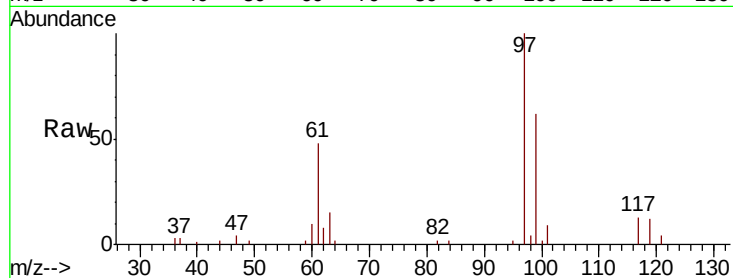
Tot Ion: 97 Resp: 33902

Ion Ratio Lower Upper

97 100

99 60.1 50.4 75.6

61 49.6 40.3 60.5



#31

Carbon tetrachloride

Concen: 2.031 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.20 min

Lab File: VU037026.D

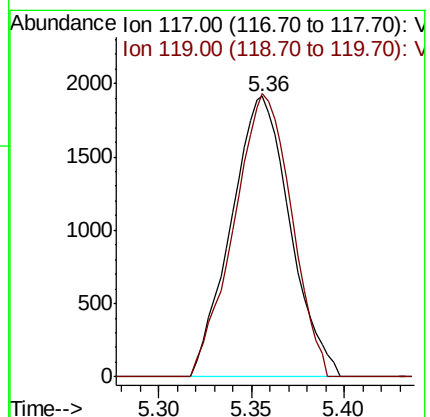
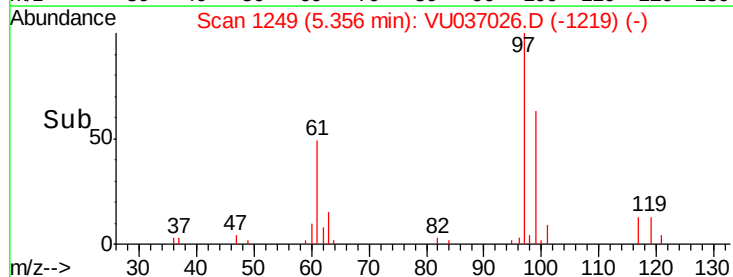
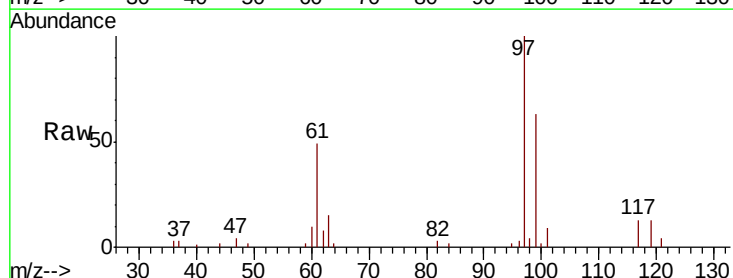
Acq: 03 Mar 2020 16:09

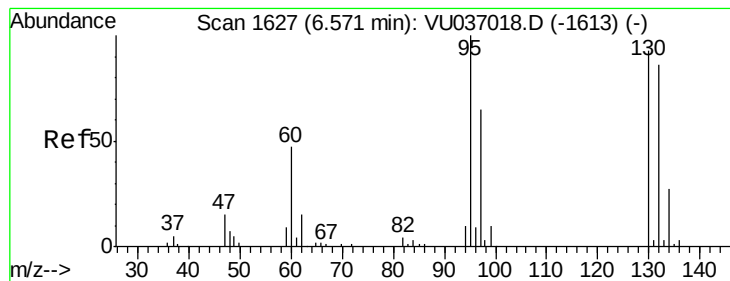
Tgt Ion: 117 Resp: 4228

Ion Ratio Lower Upper

117 100

119 98.3 77.2 115.8





#34

Trichloroethene

Concen: 3.730 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037026.D

Acq: 03 Mar 2020 16:09

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 7173

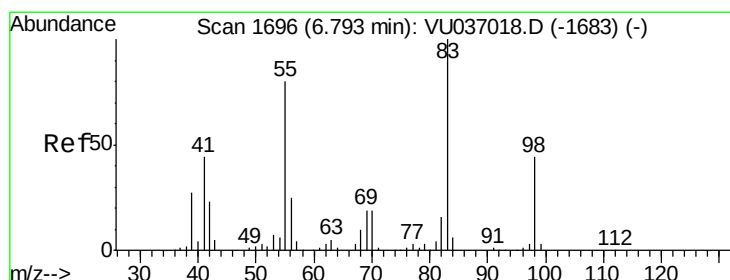
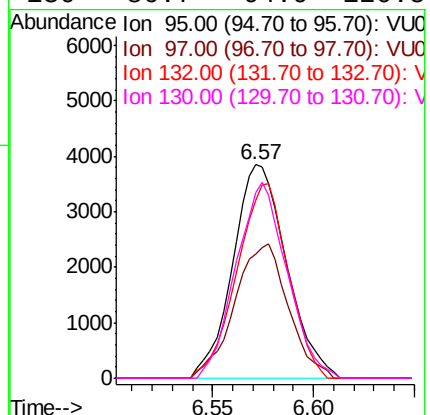
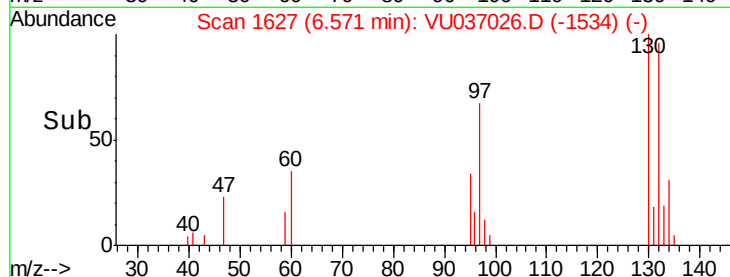
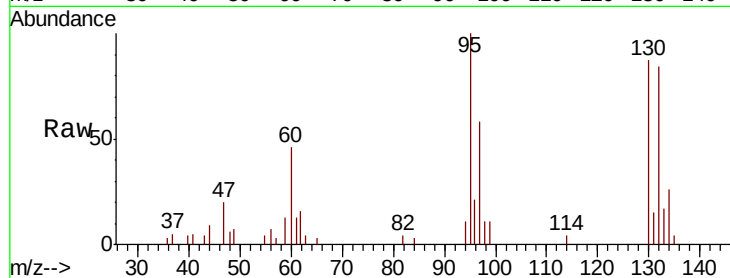
Ion Ratio Lower Upper

95 100

97 58.1 44.1 81.9

132 83.6 60.6 112.6

130 86.7 64.9 120.5



#35

Methylcyclohexane

Concen: 7.649 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU037026.D

Acq: 03 Mar 2020 16:09

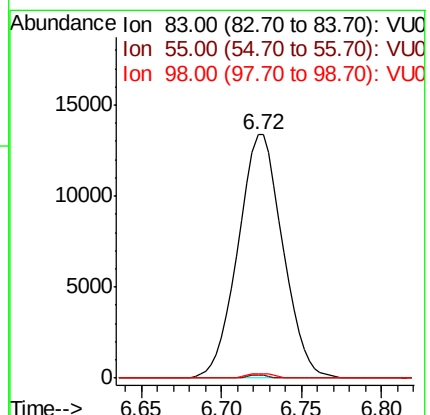
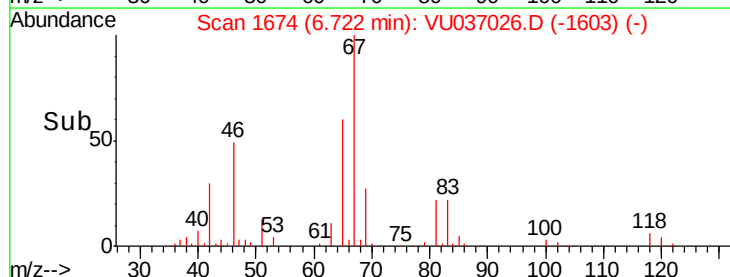
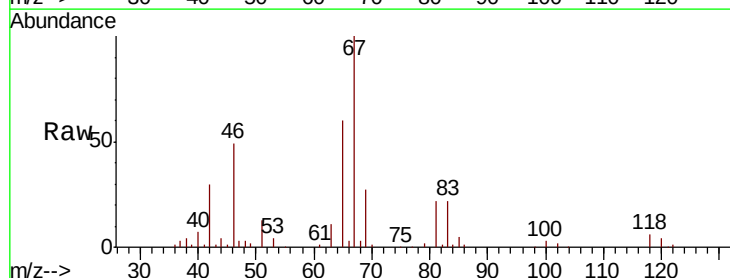
Tgt Ion: 83 Resp: 25507

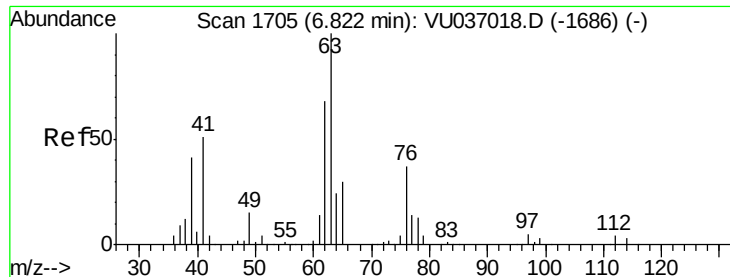
Ion Ratio Lower Upper

83 100

55 0.5 62.6 93.8#

98 1.1 35.1 52.7#

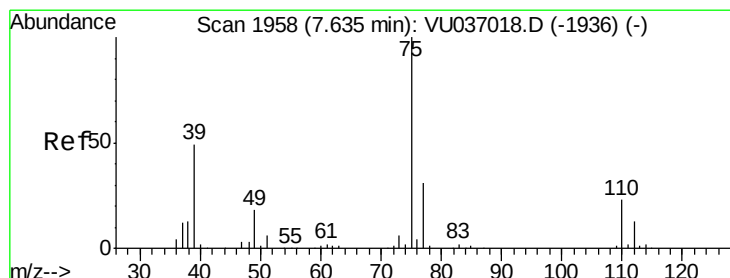
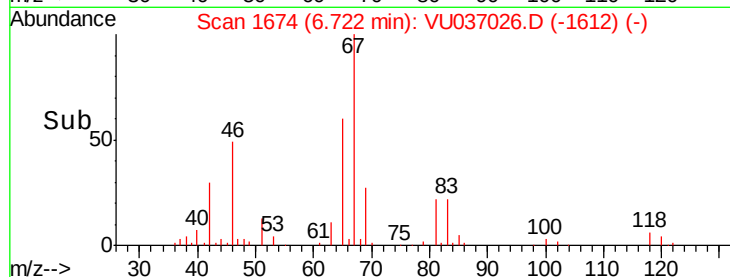
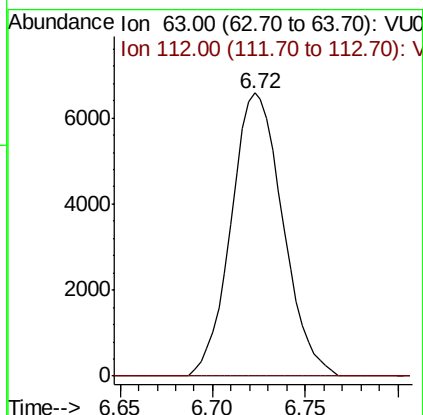
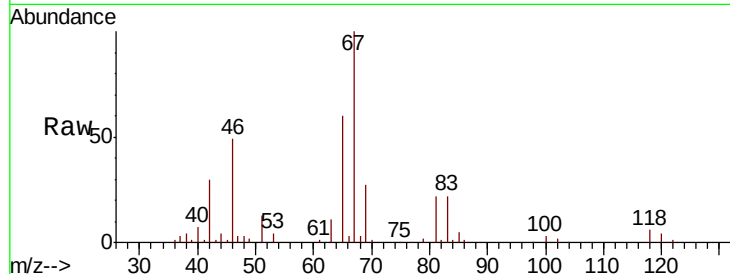




#37
 1,2-Dichloropropane
 Concen: 6.033 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037026.D
 Acq: 03 Mar 2020 16:09

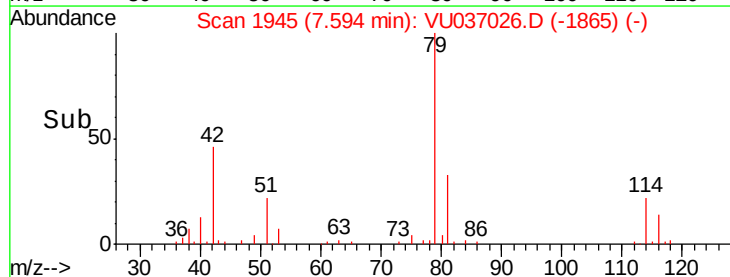
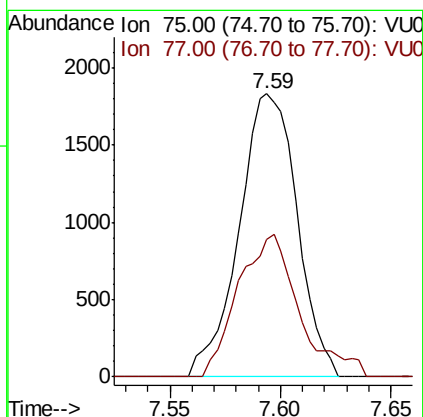
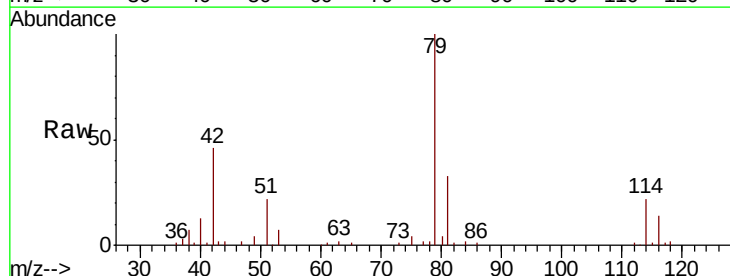
Instrument :
 MSVOA_U
 ClientSampleId :

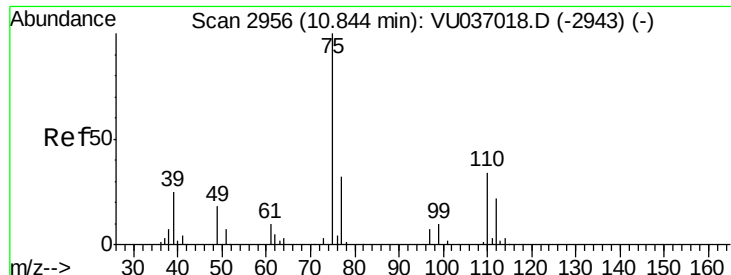
Tot Ion: 63 Resp: 12710
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.032 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037026.D
 Acq: 03 Mar 2020 16:09

Tgt Ion: 75 Resp: 3348
 Ion Ratio Lower Upper
 75 100
 77 48.4 22.0 41.0#





#59

1,2,3-Trichloropropane

Concen: 4.759 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.98 min

Lab File: VU037026.D

Acq: 03 Mar 2020 16:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 12899

Ion Ratio Lower Upper

75 100

77 37.9 26.2 39.2

