

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038869.D
 Acq On : 12 Jun 2020 23:45
 Operator : SY/MD
 Sample : L2975-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 13 02:56:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 13 02:52:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	251478	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	252200	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	115950	5.00	ug/L	0.00

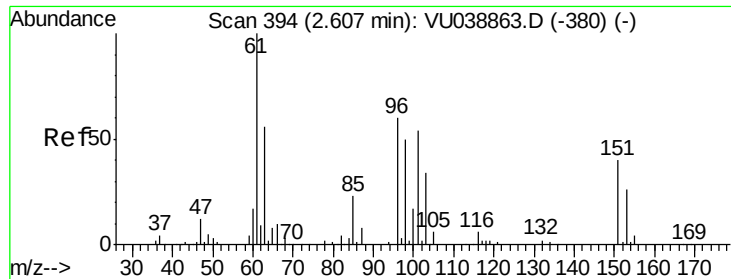
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	63704	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.93	69	61708	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.00%
11) 1,1-Dichloroethene-d2	2.59	63	110353	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	4.68	46	311428	72.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	144.80%#
24) Chloroform-d	5.10	84	172886	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.00%
26) 1,2-Dichloroethane-d4	5.74	65	106409	6.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	124.00%
32) Benzene-d6	5.76	84	326024	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
36) 1,2-Dichloropropane-d6	6.72	67	104801	5.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	119.00%
41) Toluene-d8	7.92	98	262688	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	8.20	79	37046	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.65	63	258700	74.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	148.72%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	100230	6.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	130.00%#
64) 1,2-Dichlorobenzene-d4	12.20	152	113419	6.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.20%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	4567	0.259	ug/L #	1
13) Acetone	2.68	43	8957	2.567	ug/L	86
17) Methyl tert-butyl Ether	3.40	73	22464	0.495	ug/L	97
19) 1,1-Dichloroethane	3.91	63	19856	0.583	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	18803	0.955	ug/L	92
25) Chloroform	5.13	83	15455	0.440	ug/L	94
29) 1,1,1-Trichloroethane	5.36	97	9740	0.313	ug/L	98
34) Trichloroethene	6.57	95	1031813	51.849	ug/L	98
35) Methylcyclohexane	6.72	83	26337	0.851	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	11810	0.615	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2543	0.089	ug/L #	67
47) Tetrachloroethene	8.57	164	68001	4.439	ug/L	94
49) Dibromochloromethane	8.57	129	63976	3.914	ug/L #	10
59) 1,2,3-Trichloropropane	10.84	75	2744	0.193	ug/L	97

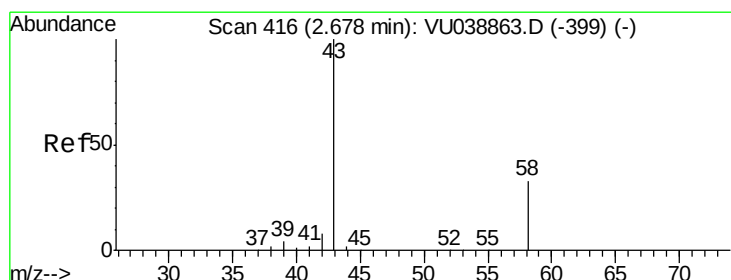
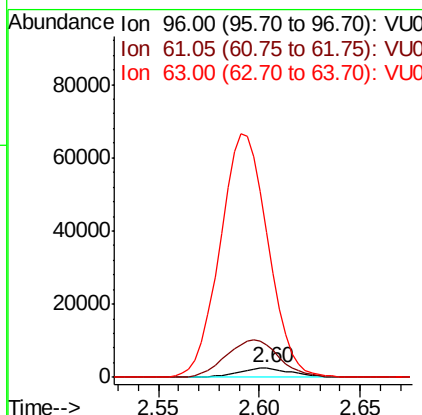
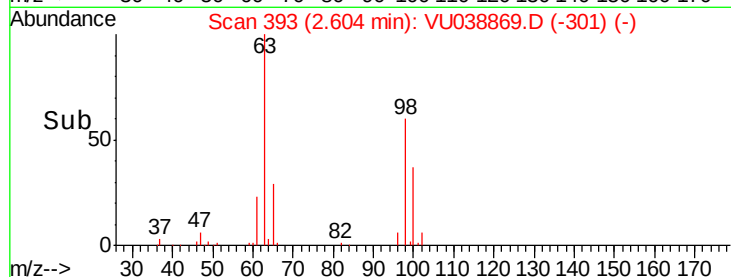
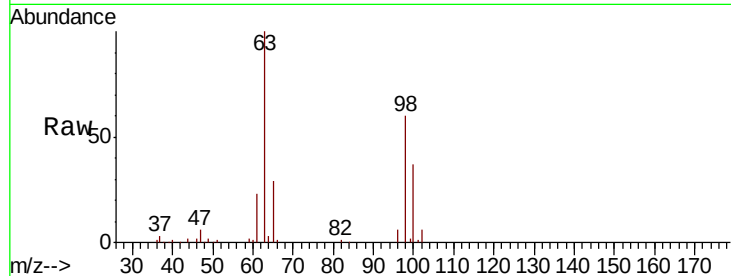
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#12
 1,1-Dichloroethene
 Concen: 0.259 ug/L
 RT: 2.60 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: VU038869.D
 Acq: 12 Jun 2020 23:45

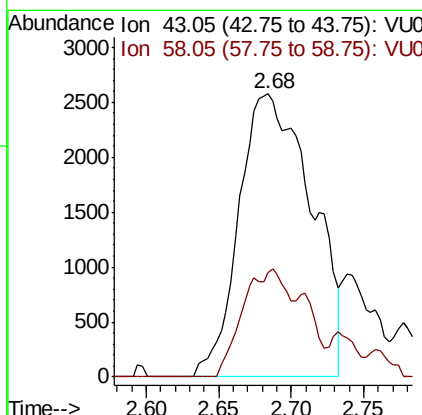
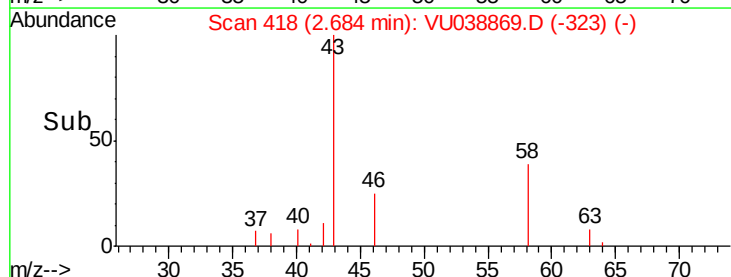
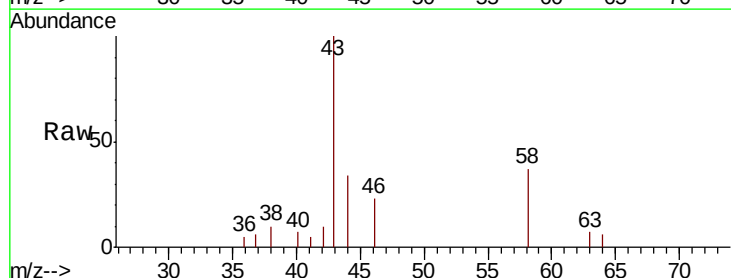
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 MSVOA_U
 ClientSampled :

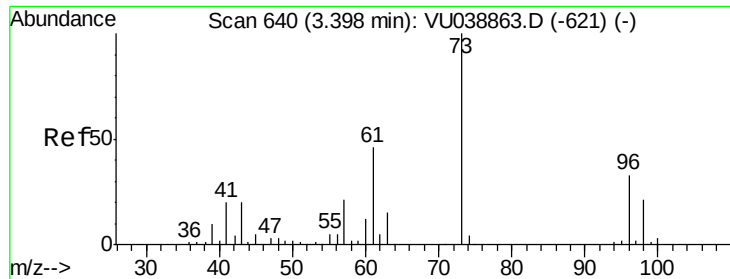
Tot Ion: 96 Resp: 4567
 Ion Ratio Lower Upper
 96 100
 61 351.7 120.2 223.2#
 63 1548.0 90.1 167.3#



#13
 Acetone
 Concen: 2.567 ug/L
 RT: 2.68 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VU038869.D
 Acq: 12 Jun 2020 23:45

Tgt Ion: 43 Resp: 8957
 Ion Ratio Lower Upper
 43 100
 58 25.0 0.0 66.0

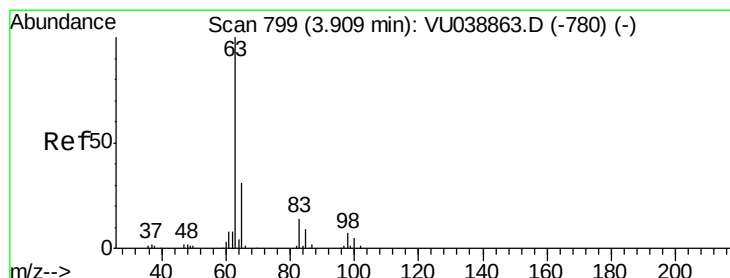
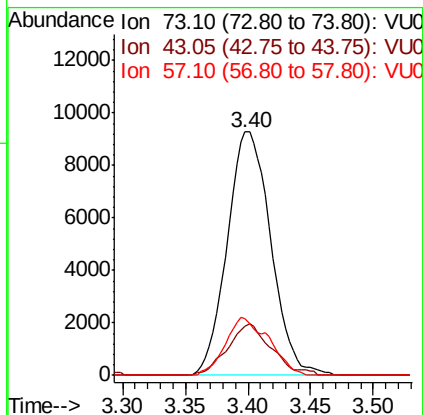
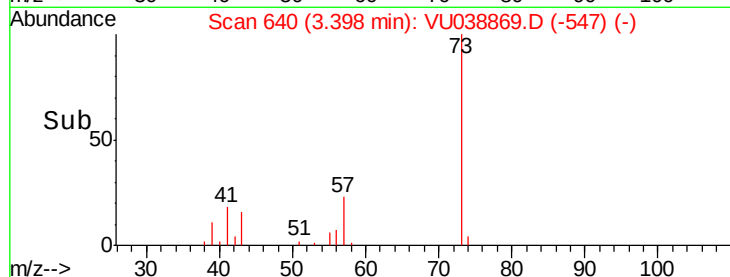
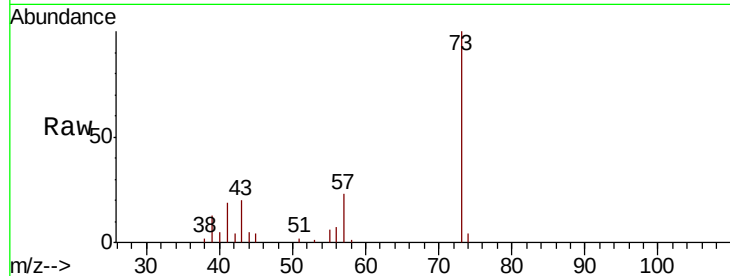




#17
Methyl tert-butyl Ether
Concen: 0.495 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038869.D
Acq: 12 Jun 2020 23:45

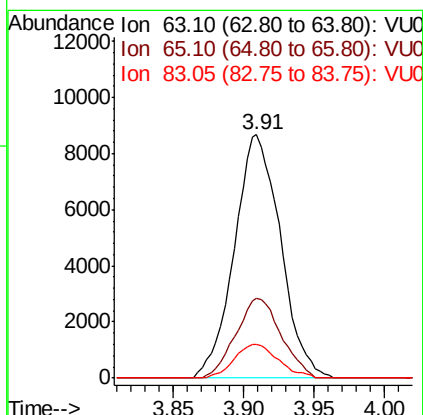
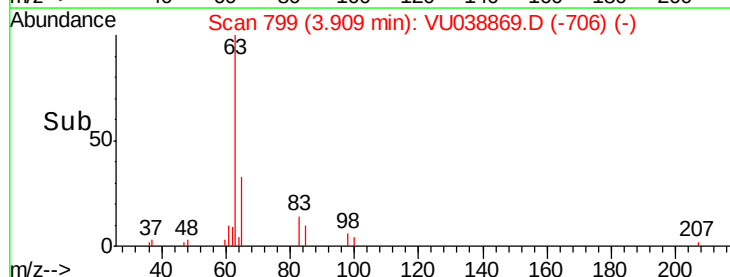
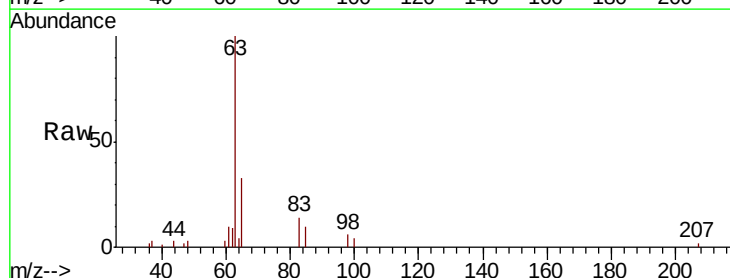
Instrument :
MSVOA_U
ClientSampleId :

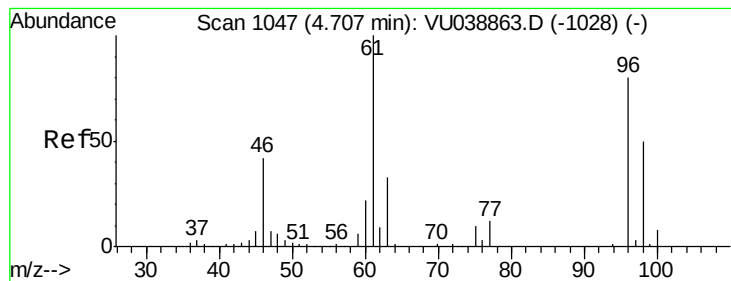
Tot Ion: 73 Resp: 22464
Ion Ratio Lower Upper
73 100
43 21.1 15.9 23.9
57 23.6 17.5 26.3



#19
1,1-Dichloroethane
Concen: 0.583 ug/L
RT: 3.91 min Scan# 799
Delta R.T. -0.00 min
Lab File: VU038869.D
Acq: 12 Jun 2020 23:45

Tgt Ion: 63 Resp: 19856
Ion Ratio Lower Upper
63 100
65 32.8 22.3 41.5
83 14.1 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 0.955 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038869.D

Acq: 12 Jun 2020 23:45

Instrument :

MSVOA_U

ClientSampleId :

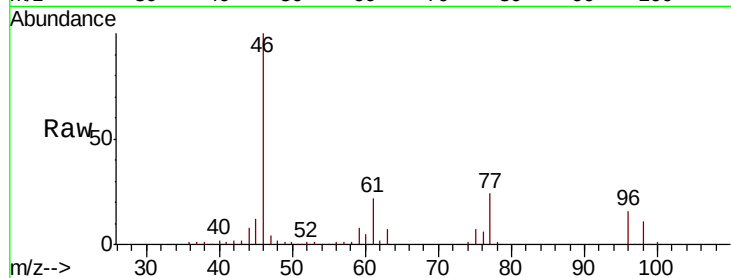
Tot Ion: 96 Resp: 18803

Ion Ratio Lower Upper

96 100

61 137.6 89.7 166.7

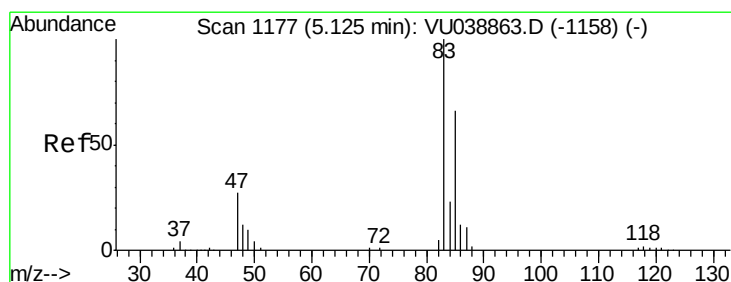
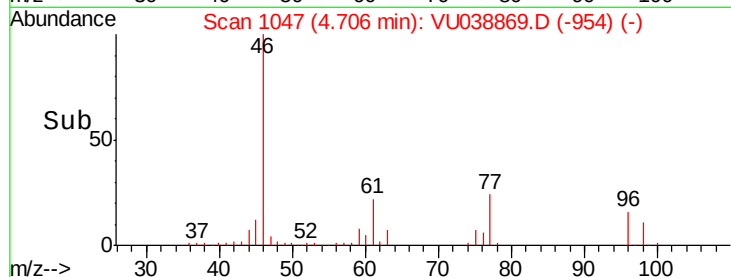
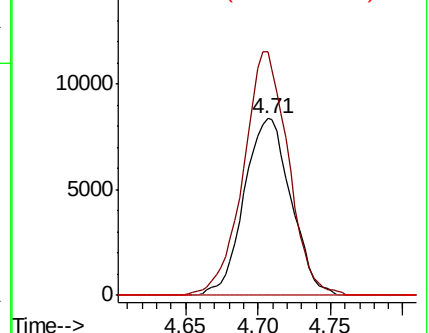
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038869.D (-1028) (-)

Ion 61.05 (60.75 to 61.75): VU038869.D (-1028) (-)

Ion 68.15 (67.85 to 68.85): VU038869.D (-1028) (-)



#25

Chloroform

Concen: 0.440 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU038869.D

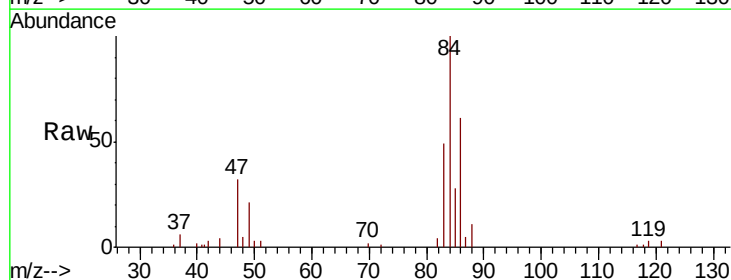
Acq: 12 Jun 2020 23:45

Tgt Ion: 83 Resp: 15455

Ion Ratio Lower Upper

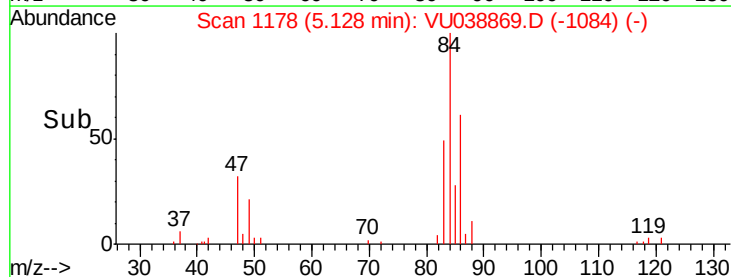
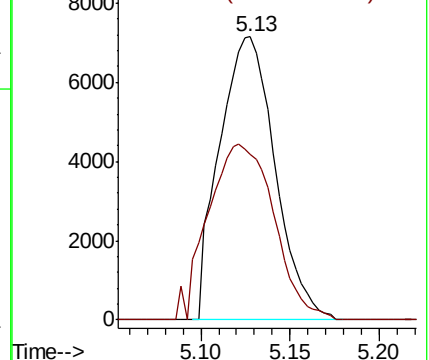
83 100

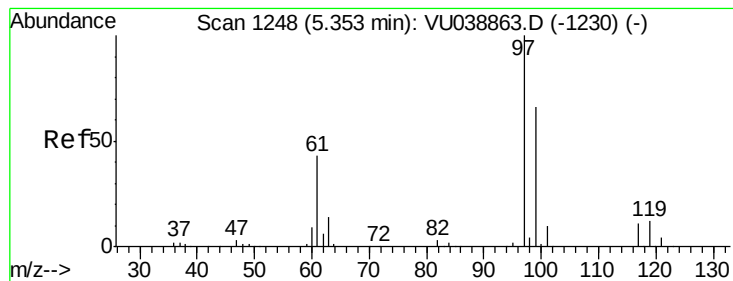
85 58.5 44.1 81.9



Abundance Ion 83.05 (82.75 to 83.75): VU038869.D (-1084) (-)

Ion 85.00 (84.70 to 85.70): VU038869.D (-1084) (-)





#29

1,1,1-Trichloroethane

Concen: 0.313 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU038869.D

Acq: 12 Jun 2020 23:45

Instrument :
MSVOA_U
ClientSampled :

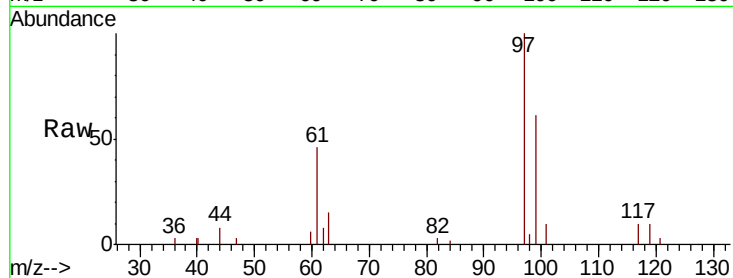
Tot Ion: 97 Resp: 9740

Ion Ratio Lower Upper

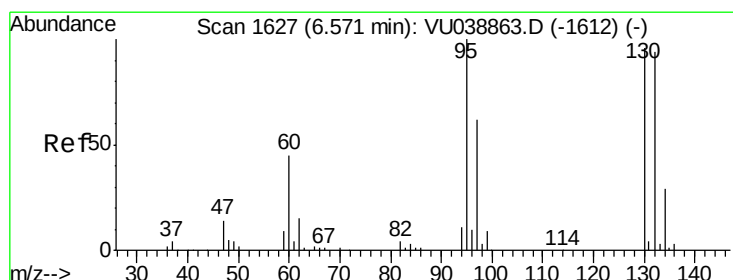
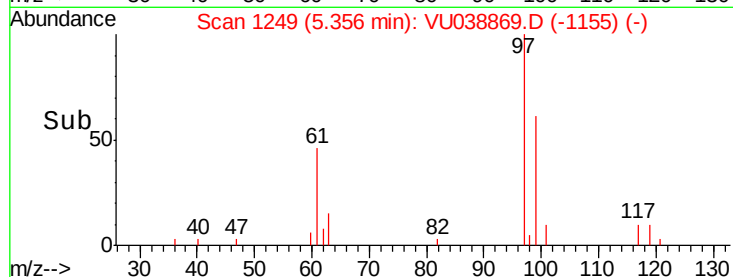
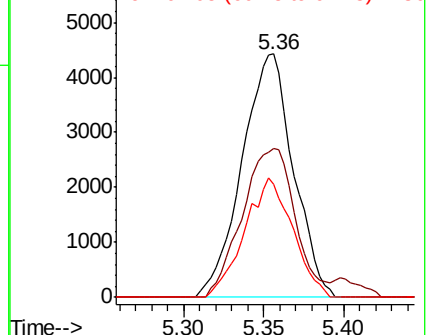
97 100

99 63.3 52.1 78.1

61 46.0 35.9 53.9



Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0



#34

Trichloroethene

Concen: 51.849 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038869.D

Acq: 12 Jun 2020 23:45

Tgt Ion: 95 Resp: 1031813

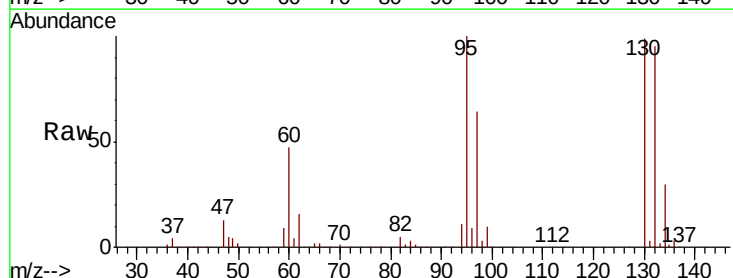
Ion Ratio Lower Upper

95 100

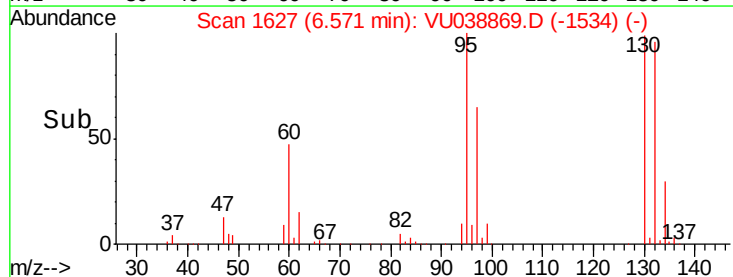
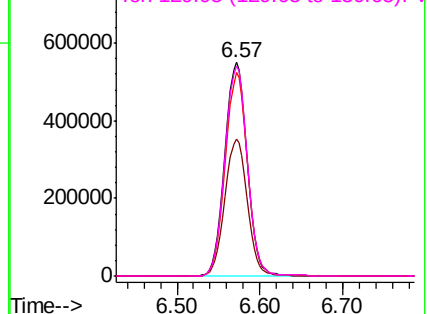
97 64.2 46.1 85.5

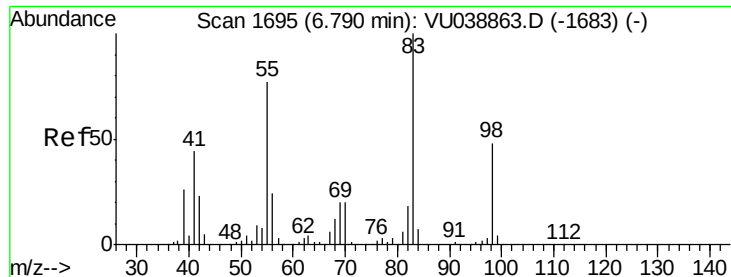
132 95.0 67.5 125.3

130 98.5 66.7 123.9



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 96.95 (96.65 to 97.65): VU0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V

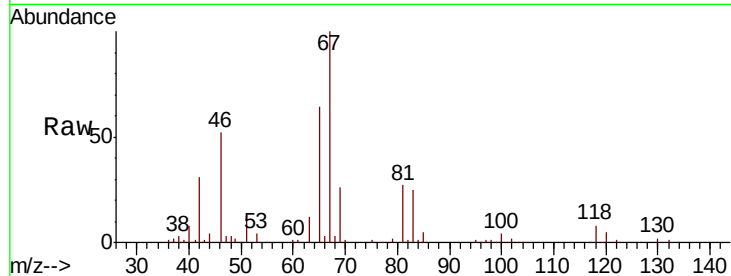




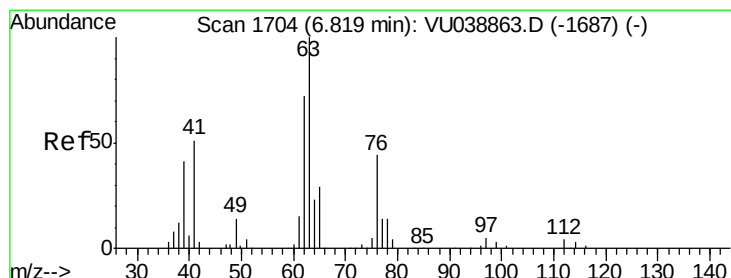
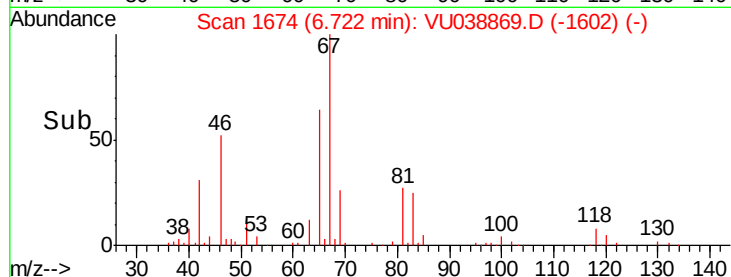
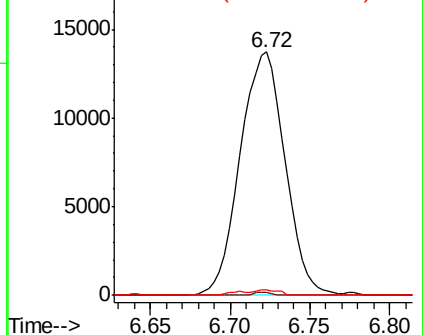
#35
Methvlcvclohexane
Concen: 0.851 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038869.D
Acq: 12 Jun 2020 23:45

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 26337
Ion Ratio Lower Upper
83 100
55 0.5 64.2 96.2#
98 0.0 40.5 60.7#

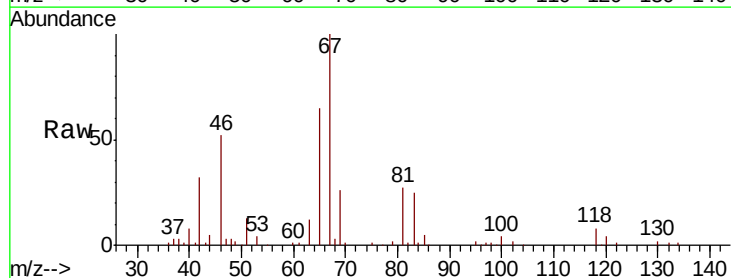


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

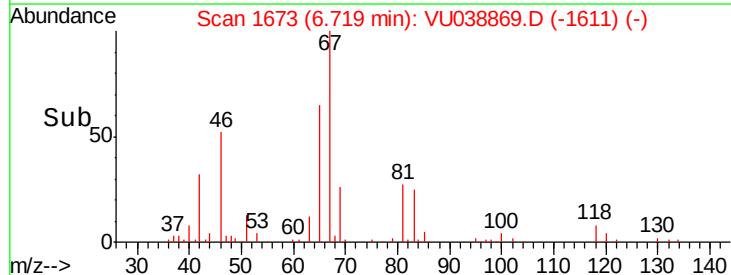
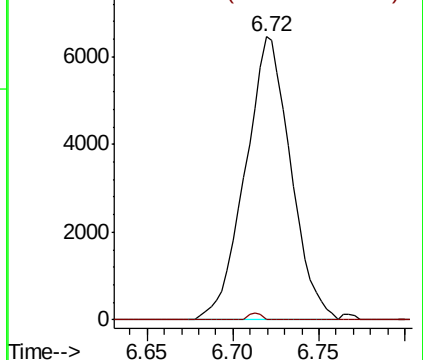


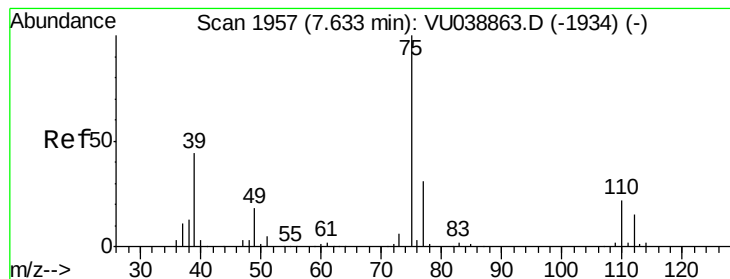
#37
1,2-Dichloropropane
Concen: 0.615 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038869.D
Acq: 12 Jun 2020 23:45

Tgt Ion: 63 Resp: 11810
Ion Ratio Lower Upper
63 100
112 0.7 3.8 5.6#



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



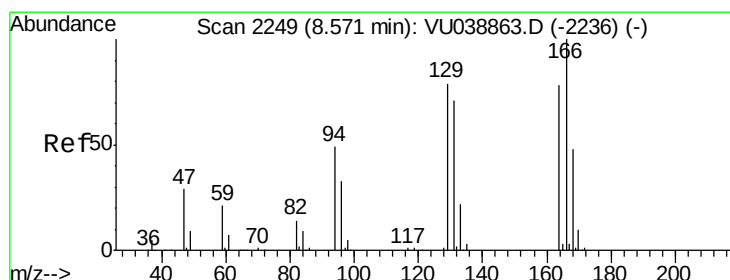
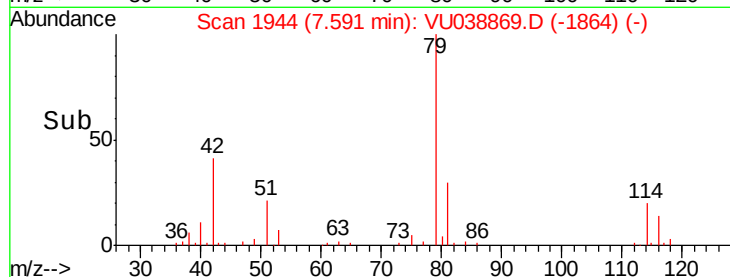
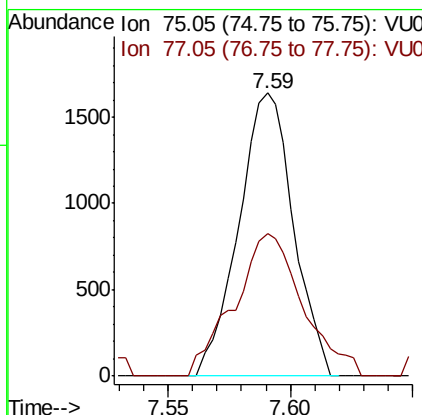
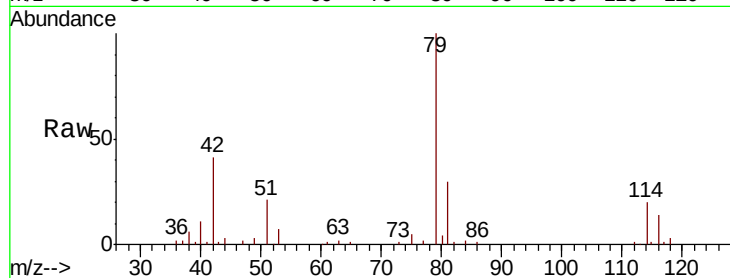


#39

cis-1,3-Dichloropropene
Concen: 0.089 ug/L
RT: 7.59 min Scan# 1944
Delta R.T. -0.04 min
Lab File: VU038869.D
Acq: 12 Jun 2020 23:45

Instrument :
MSVOA_U
ClientSampleId :

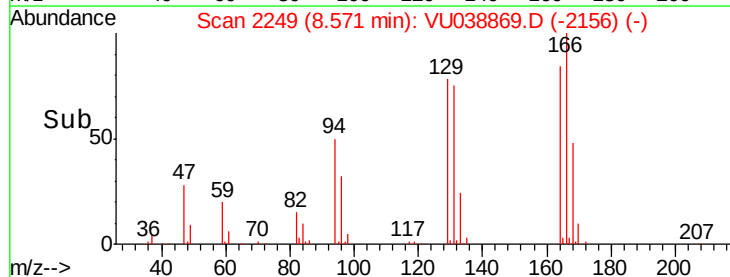
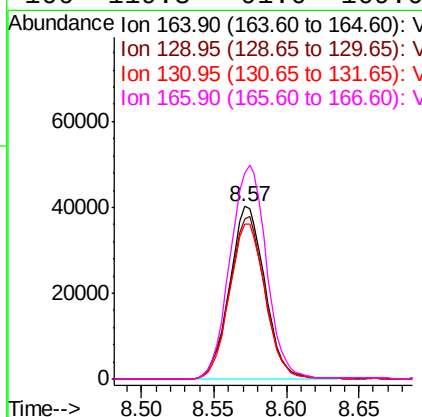
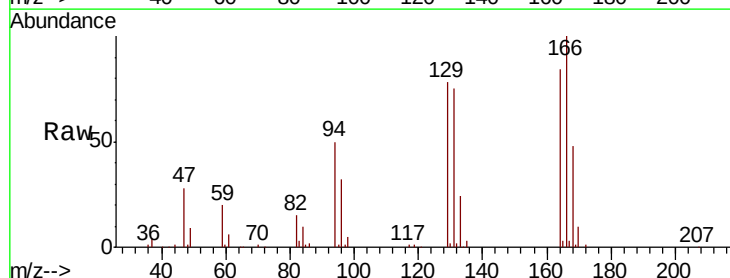
Tot Ion: 75 Resp: 2543
Ion Ratio Lower Upper
75 100
77 50.4 22.4 41.6#

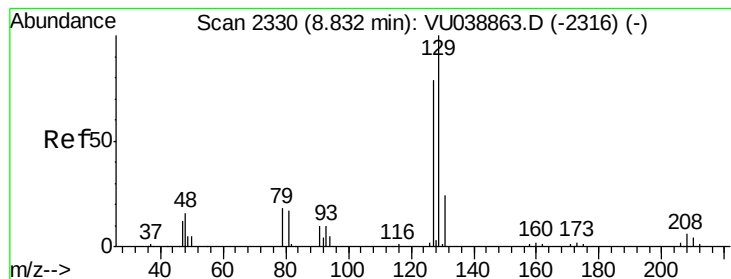


#47

Tetrachloroethene
Concen: 4.439 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.00 min
Lab File: VU038869.D
Acq: 12 Jun 2020 23:45

Tgt Ion:164 Resp: 68001
Ion Ratio Lower Upper
164 100
129 92.8 67.3 124.9
131 89.5 65.0 120.6
166 119.3 91.0 169.0





#49

Dibromochloromethane

Concen: 3.914 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038869.D

Acq: 12 Jun 2020 23:45

Instrument :

MSVOA_U

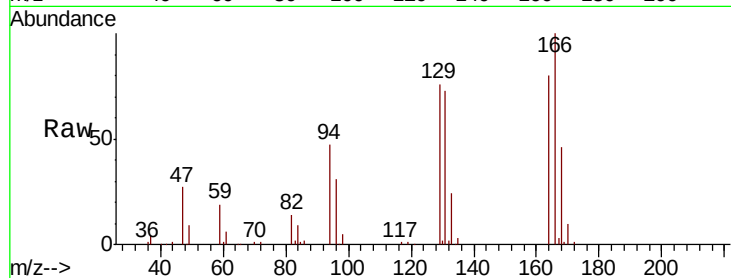
ClientSampleId :

Tot Ion:129 Resp: 63976

Ion Ratio Lower Upper

129 100

127 0.0 55.5 103.1#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

40000

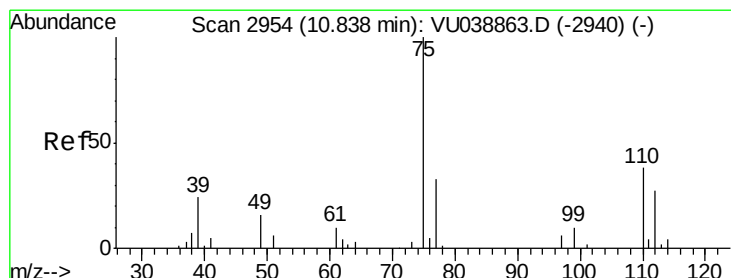
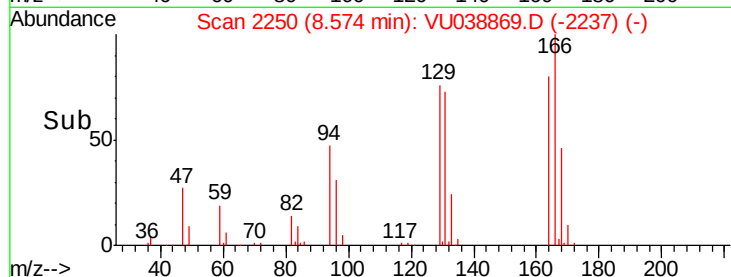
30000

20000

10000

0

Time--> 8.50 8.55 8.60 8.65



#59

1,2,3-Trichloropropane

Concen: 0.193 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038869.D

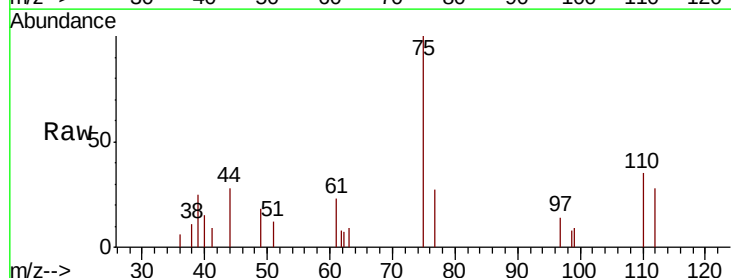
Acq: 12 Jun 2020 23:45

Tgt Ion: 75 Resp: 2744

Ion Ratio Lower Upper

75 100

77 33.9 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.84

2000

1500

1000

500

0

Time--> 10.80 10.85

