

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082420\
 Data File : VU039953.D
 Acq On : 24 Aug 2020 17:47
 Operator : SY/MD
 Sample : L3789-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS05

Quant Time: Aug 25 02:05:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 25 02:02:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	69901	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	67325	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	31567	5.00	ug/L	0.00

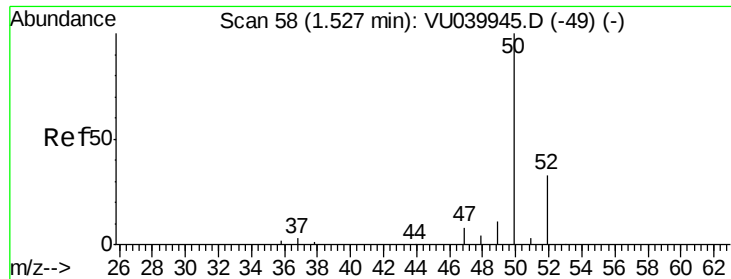
System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23286	3.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.40%
7) Chloroethane-d5	1.92	69	22327	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.58	63	37720	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	4.65	46	77682	39.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.62%
24) Chloroform-d	5.08	84	51021	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.72	65	29569	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
32) Benzene-d6	5.74	84	95243	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.70	67	31929	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.91	98	82728	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	8.19	79	12001	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.64	63	60258	42.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23727	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	32629	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	4382	0.533 ug/L	93
13) Acetone	2.66	43	6150	4.613 ug/L #	42
22) cis-1,2-Dichloroethene	4.69	96	2923	0.440 ug/L	99
25) Chloroform	5.11	83	2330	0.195 ug/L	98
34) Trichloroethene	6.56	95	11562	1.821 ug/L	98
35) Methylcyclohexane	6.70	83	7293	0.750 ug/L #	17
37) 1,2-Dichloropropane	6.71	63	3823	0.588 ug/L #	85
39) cis-1,3-Dichloropropene	7.57	75	910	0.100 ug/L #	40
45) 1,1,2-Trichloroethane	8.56	97	19496	3.946 ug/L #	9
47) Tetrachloroethene	8.56	164	1857256	396.483 ug/L	98
49) Dibromochloromethane	8.56	129	1797397	304.743 ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	4337	0.931 ug/L #	86

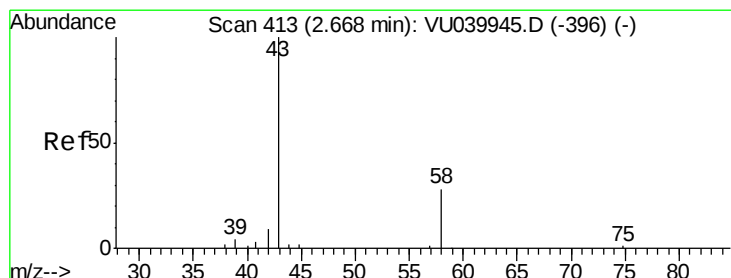
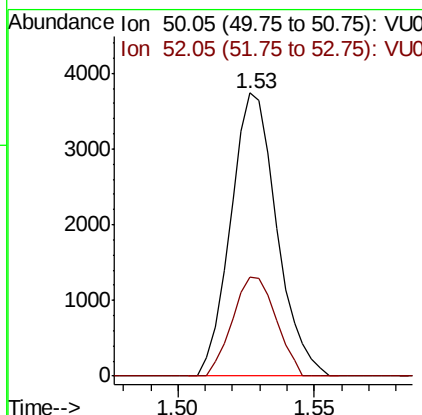
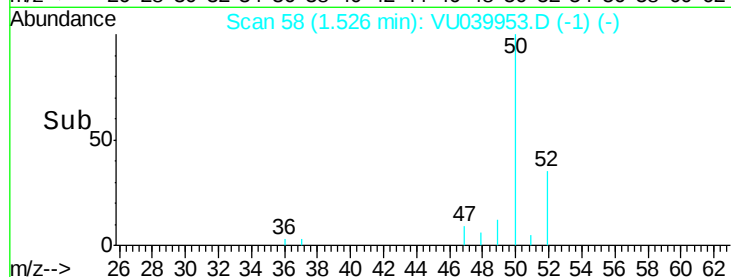
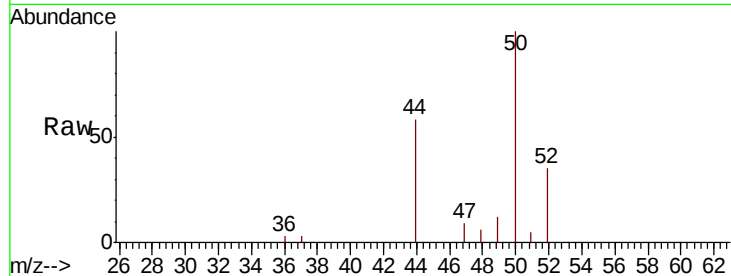
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
 Chloromethane
 Concen: 0.533 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. -0.00 min
 Lab File: VU039953.D
 Acq: 24 Aug 2020 17:47

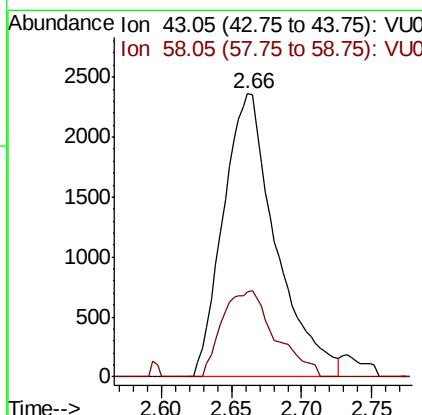
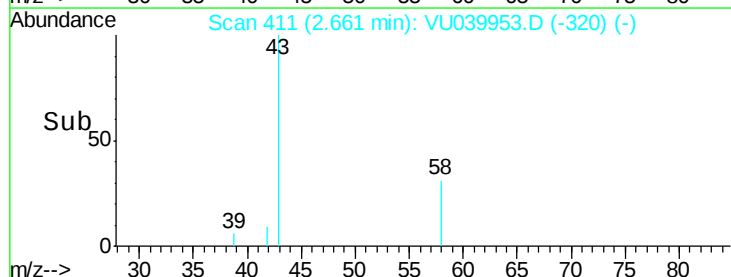
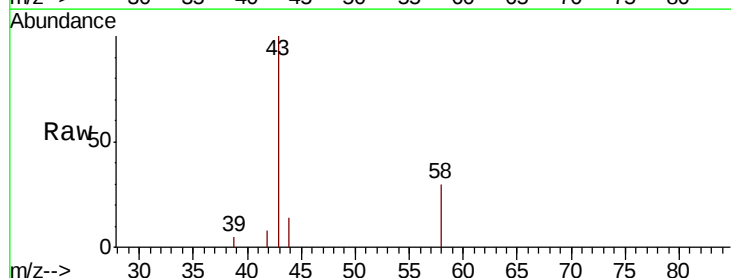
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSD5

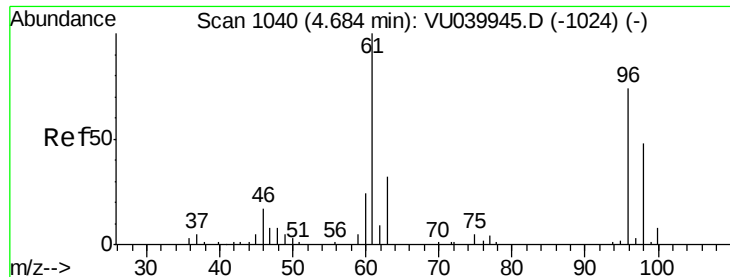
Tot Ion: 50 Resp: 4382
 Ion Ratio Lower Upper
 50 100
 52 35.2 21.9 40.7



#13
 Acetone
 Concen: 4.613 ug/L
 RT: 2.66 min Scan# 411
 Delta R.T. -0.01 min
 Lab File: VU039953.D
 Acq: 24 Aug 2020 17:47

Tgt Ion: 43 Resp: 6150
 Ion Ratio Lower Upper
 43 100
 58 30.7 0.0 19.0#





#22

cis-1,2-Dichloroethene

Concen: 0.440 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039953.D

Acq: 24 Aug 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

BFSD5

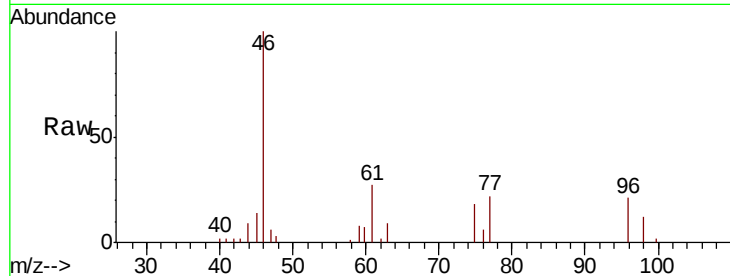
Tot Ion: 96 Resp: 2923

Ion Ratio Lower Upper

96 100

61 128.5 90.9 168.9

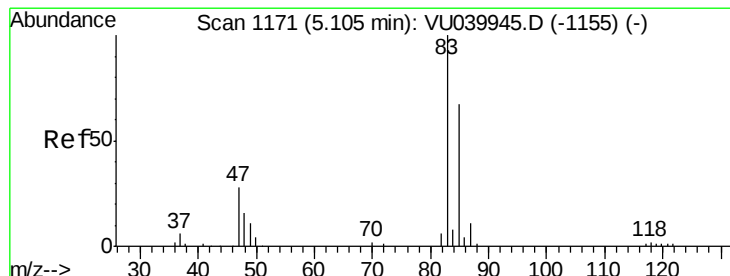
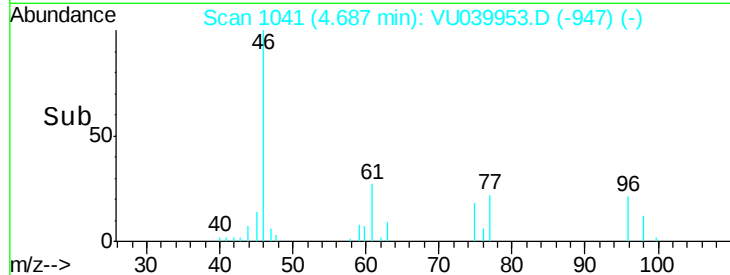
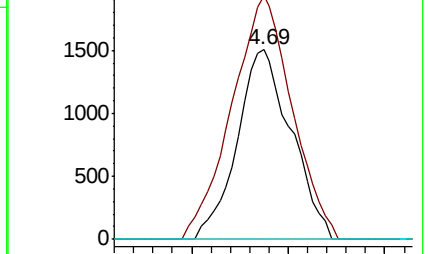
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039945.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU039945.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU039945.D (-1024) (-)



#25

Chloroform

Concen: 0.195 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039953.D

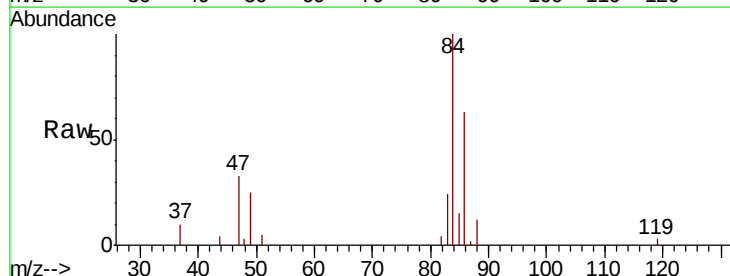
Acq: 24 Aug 2020 17:47

Tgt Ion: 83 Resp: 2330

Ion Ratio Lower Upper

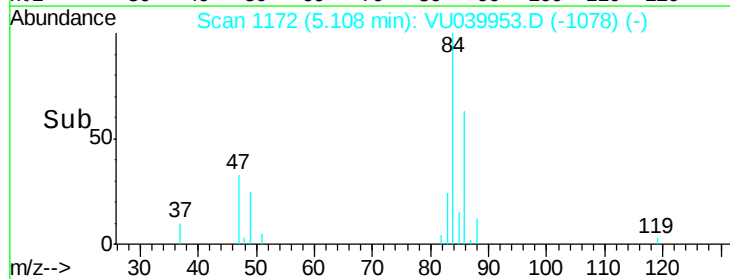
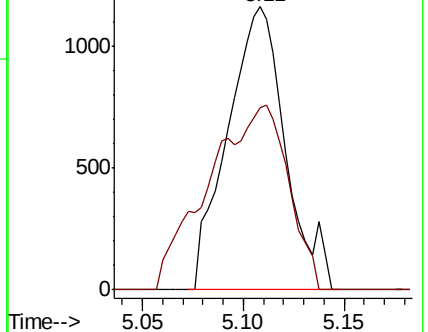
83 100

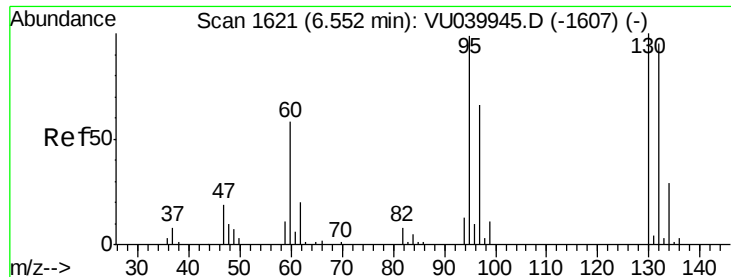
85 64.4 46.4 86.2



Abundance Ion 83.05 (82.75 to 83.75): VU039945.D (-1155) (-)

Ion 85.00 (84.70 to 85.70): VU039945.D (-1155) (-)

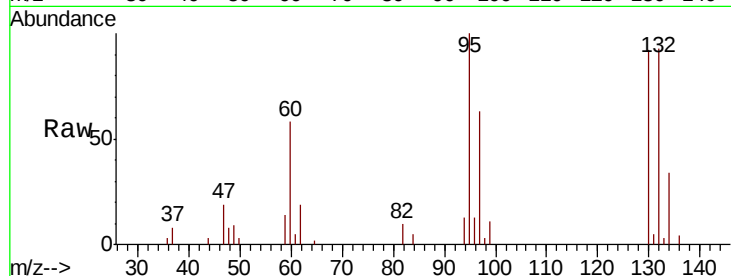




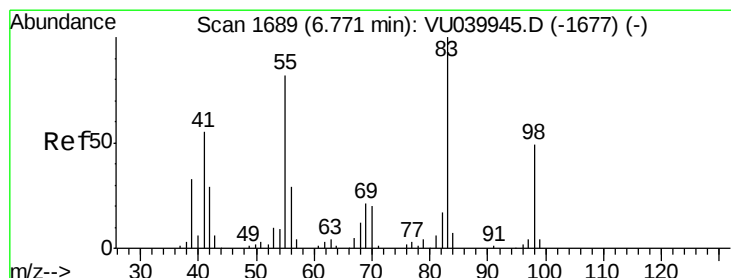
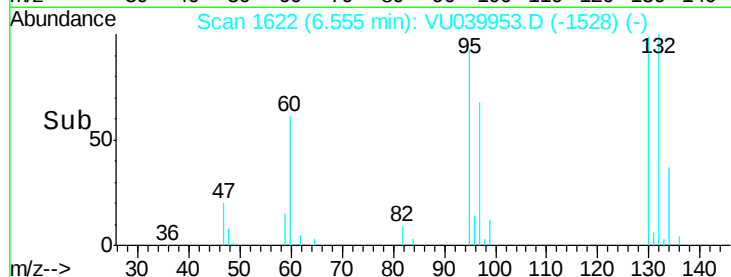
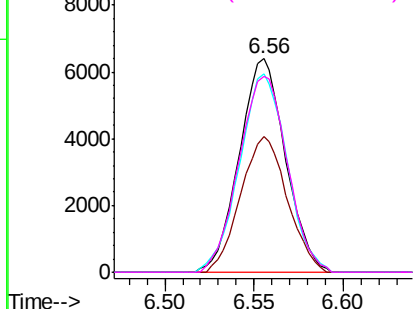
#34
 Trichloroethene
 Concen: 1.821 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039953.D
 Acq: 24 Aug 2020 17:47

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSD5

Tot Ion: 95 Resp: 11562
 Ion Ratio Lower Upper
 95 100
 97 63.4 42.0 78.0
 132 92.7 65.0 120.8
 130 92.0 65.5 121.7

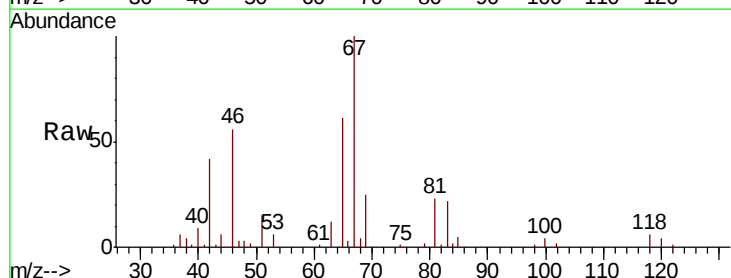


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

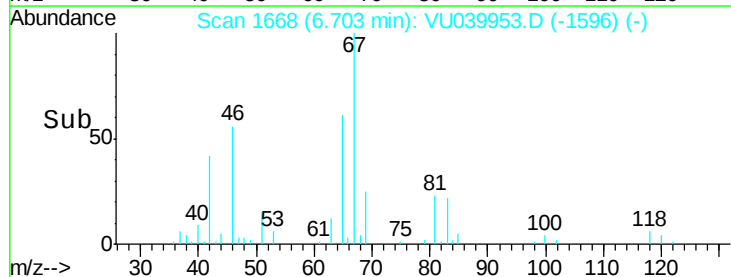
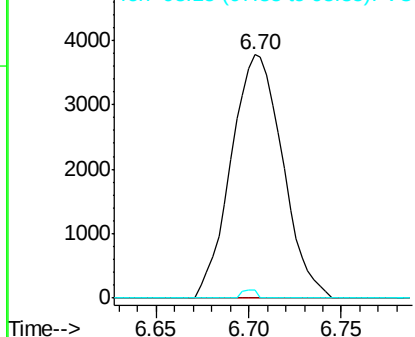


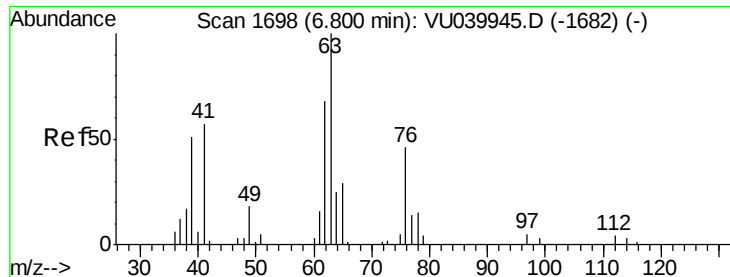
#35
 Methylcyclohexane
 Concen: 0.750 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU039953.D
 Acq: 24 Aug 2020 17:47

Tgt Ion: 83 Resp: 7293
 Ion Ratio Lower Upper
 83 100
 55 0.0 64.1 96.1#
 98 0.9 39.4 59.0#



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

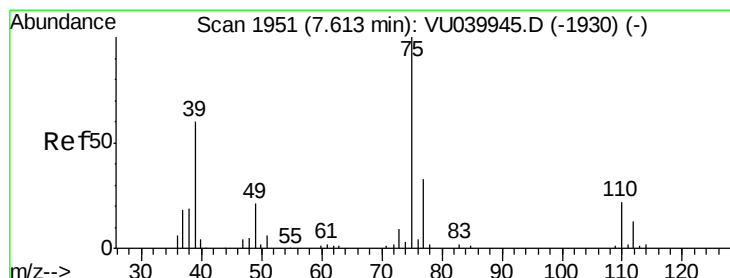
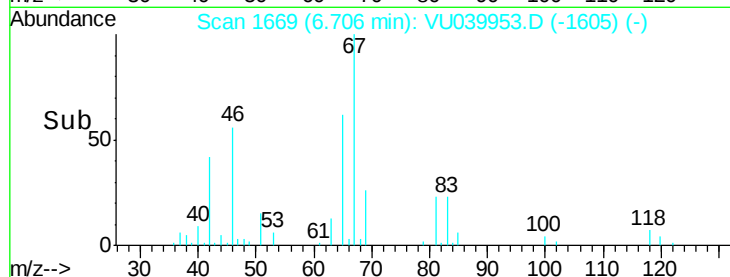
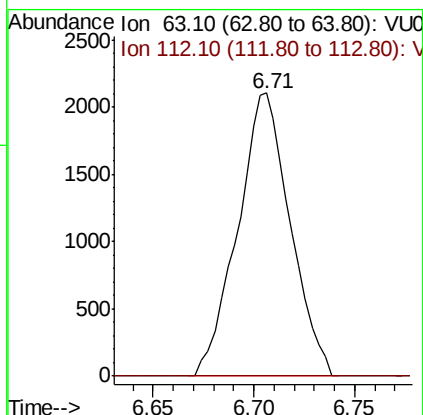
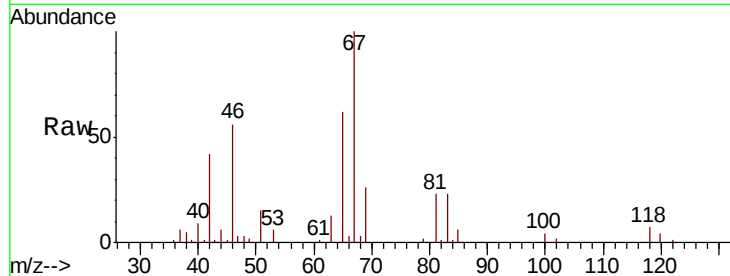




#37
 1,2-Dichloropropane
 Concen: 0.588 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.09 min
 Lab File: VU039953.D
 Acq: 24 Aug 2020 17:47

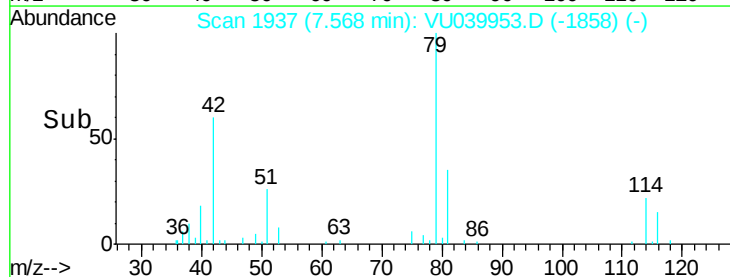
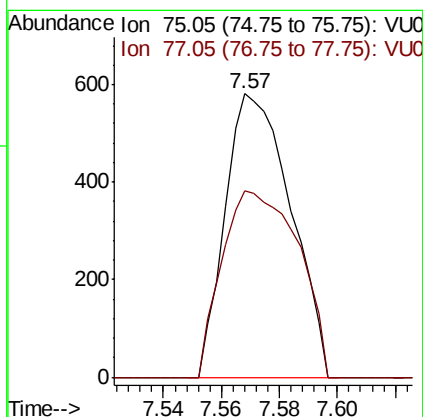
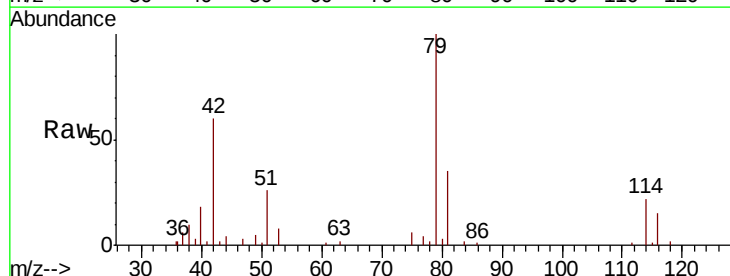
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSD5

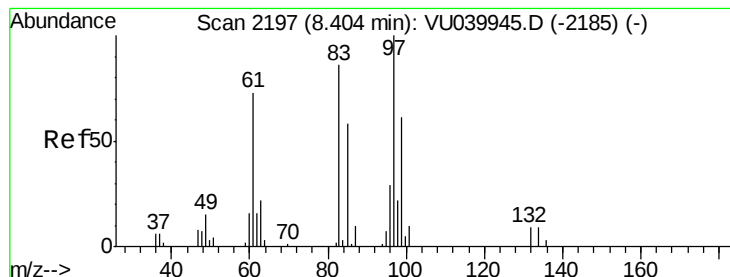
Tot Ion: 63 Resp: 3823
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.1 6.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.100 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU039953.D
 Acq: 24 Aug 2020 17:47

Tgt Ion: 75 Resp: 910
 Ion Ratio Lower Upper
 75 100
 77 65.7 22.6 42.0#





#45

1,1,2-Trichloroethane

Concen: 3.946 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.16 min

Lab File: VU039953.D

Acq: 24 Aug 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

BFSD5

Tot Ion: 97 Resp: 19496

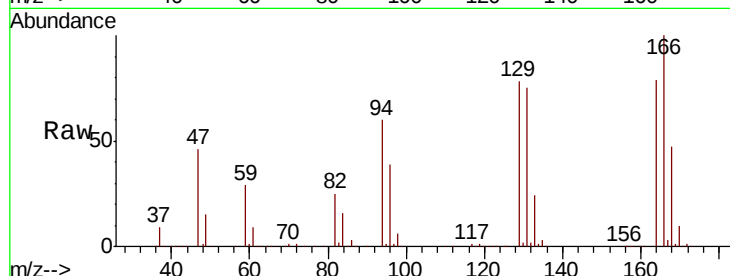
Ion Ratio Lower Upper

97 100

99 16.1 42.1 78.3#

83 229.0 59.3 110.1#

85 38.9 37.2 69.2



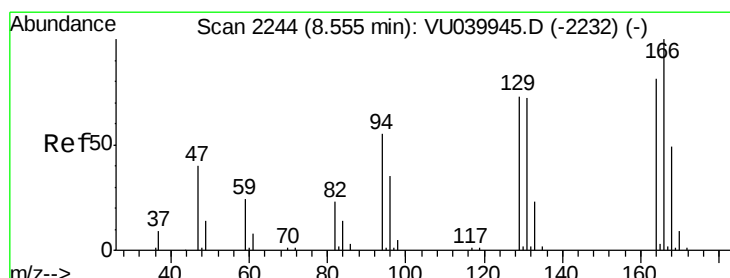
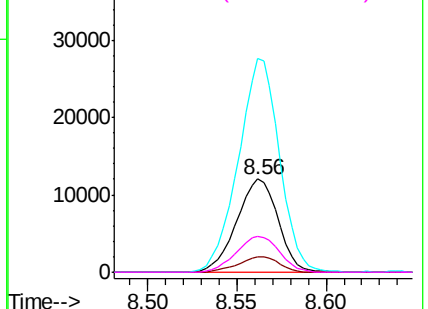
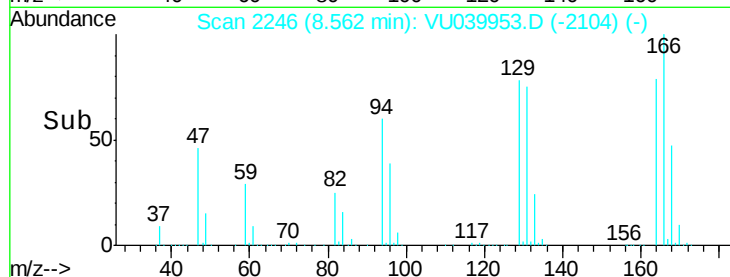
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 396.483 ug/L

RT: 8.56 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VU039953.D

Acq: 24 Aug 2020 17:47

Tgt Ion: 164 Resp: 1857256

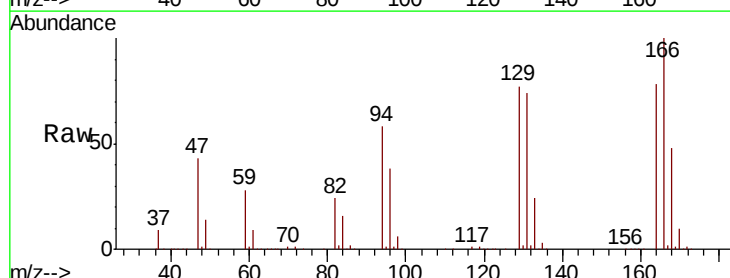
Ion Ratio Lower Upper

164 100

129 98.0 69.1 128.3

131 94.6 66.0 122.6

166 128.0 94.0 174.6



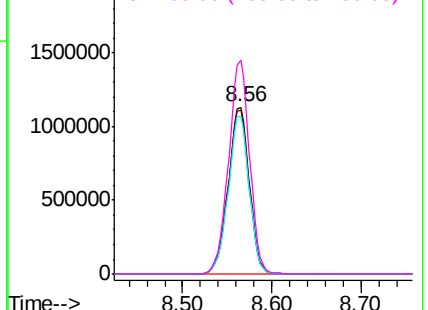
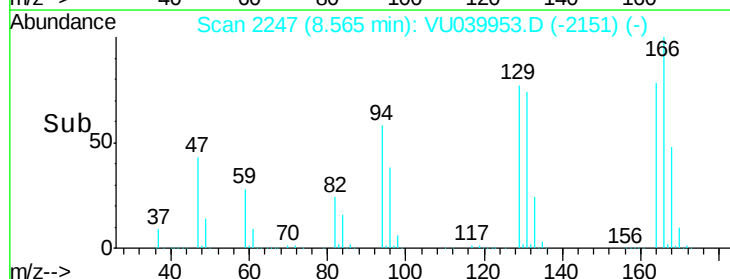
Abundance

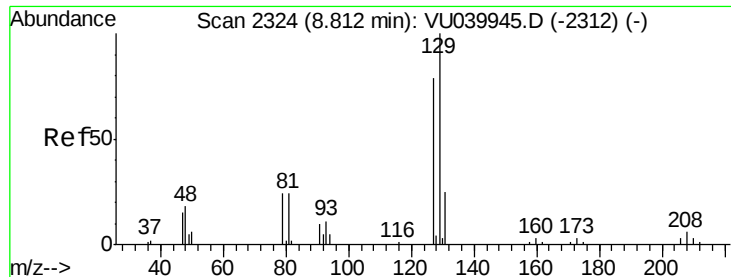
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#49

Dibromochloromethane

Concen: 304.743 ug/L

RT: 8.56 min Scan# 2247

Delta R.T. -0.25 min

Lab File: VU039953.D

Acq: 24 Aug 2020 17:47

Instrument :

MSVOA_U

ClientSampleId :

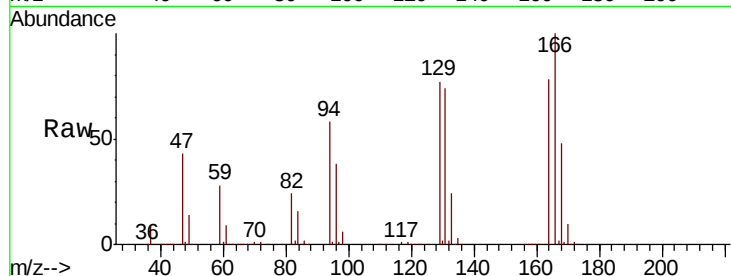
BFS05

Tot Ion:129 Resp: 1797397

Ion Ratio Lower Upper

129 100

127 0.0 53.1 98.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

1200000

1000000

800000

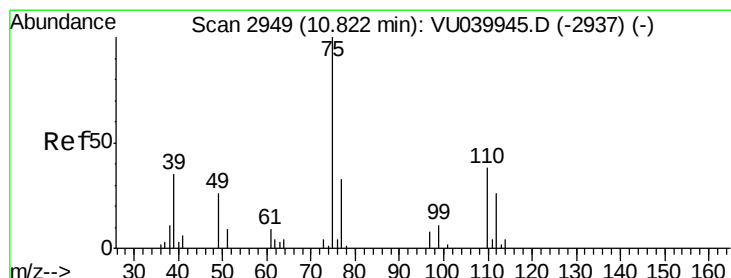
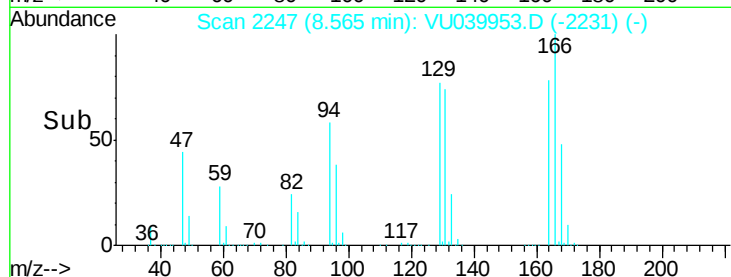
600000

400000

200000

0

Time--> 8.50 8.55 8.60 8.65



#59

1,2,3-Trichloropropane

Concen: 0.931 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039953.D

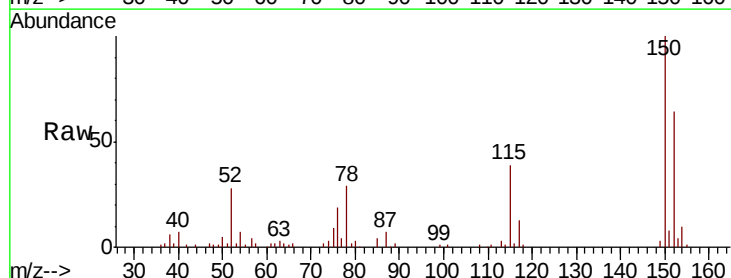
Acq: 24 Aug 2020 17:47

Tgt Ion: 75 Resp: 4337

Ion Ratio Lower Upper

75 100

77 42.3 27.4 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

3000

2000

1000

0

Time--> 11.75 11.80 11.85

