

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041936.D
 Acq On : 11 Jan 2021 21:27
 Operator : SY/MD
 Sample : M1024-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXM5

Quant Time: Jan 12 03:30:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 03:17:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	111862	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	109685	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48217	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46110	4.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.80%
7) Chloroethane-d5	1.92	69	44413	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.58	63	65917	3.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.80%
20) 2-Butanone-d5	4.65	46	144684	55.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.44%
24) Chloroform-d	5.08	84	84593	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.72	65	51897	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.60%
32) Benzene-d6	5.74	84	176368	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
36) 1,2-Dichloropropane-d6	6.70	67	51649	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.91	98	132729	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	8.19	79	20273	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.64	63	119840	55.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.48%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45530	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	49793	5.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	8414	0.778 ug/L	99
3) Chloromethane	1.52	50	2321	0.197 ug/L	99
9) Trichlorofluoromethane	2.15	101	3462	0.210 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	753	0.084 ug/L #	27
12) 1,1-Dichloroethene	2.59	96	855	0.098 ug/L #	1
13) Acetone	2.66	43	2312	1.359 ug/L	90
17) Methyl tert-butyl Ether	3.38	73	1879	0.090 ug/L #	61
22) cis-1,2-Dichloroethene	4.68	96	4656	0.514 ug/L	82
25) Chloroform	5.11	83	3692	0.223 ug/L	79
29) 1,1,1-Trichloroethane	5.33	97	2211	0.154 ug/L	89
31) Carbon tetrachloride	5.53	117	768	0.062 ug/L	95
34) Trichloroethene	6.56	95	40390	4.353 ug/L	98
35) Methylcyclohexane	6.70	83	12101	0.887 ug/L #	17
37) 1,2-Dichloropropane	6.70	63	5202	0.590 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1235	0.095 ug/L #	42
44) trans-1,3-Dichloropropene	8.19	75	654	0.057 ug/L	91
45) 1,1,2-Trichloroethane	8.56	97	2149	0.318 ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
Data File : VU041936.D
Acq On : 11 Jan 2021 21:27
Operator : SY/MD
Sample : M1024-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXM5

Quant Time: Jan 12 03:30:10 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jan 12 03:17:19 2021
Response via : Initial Calibration

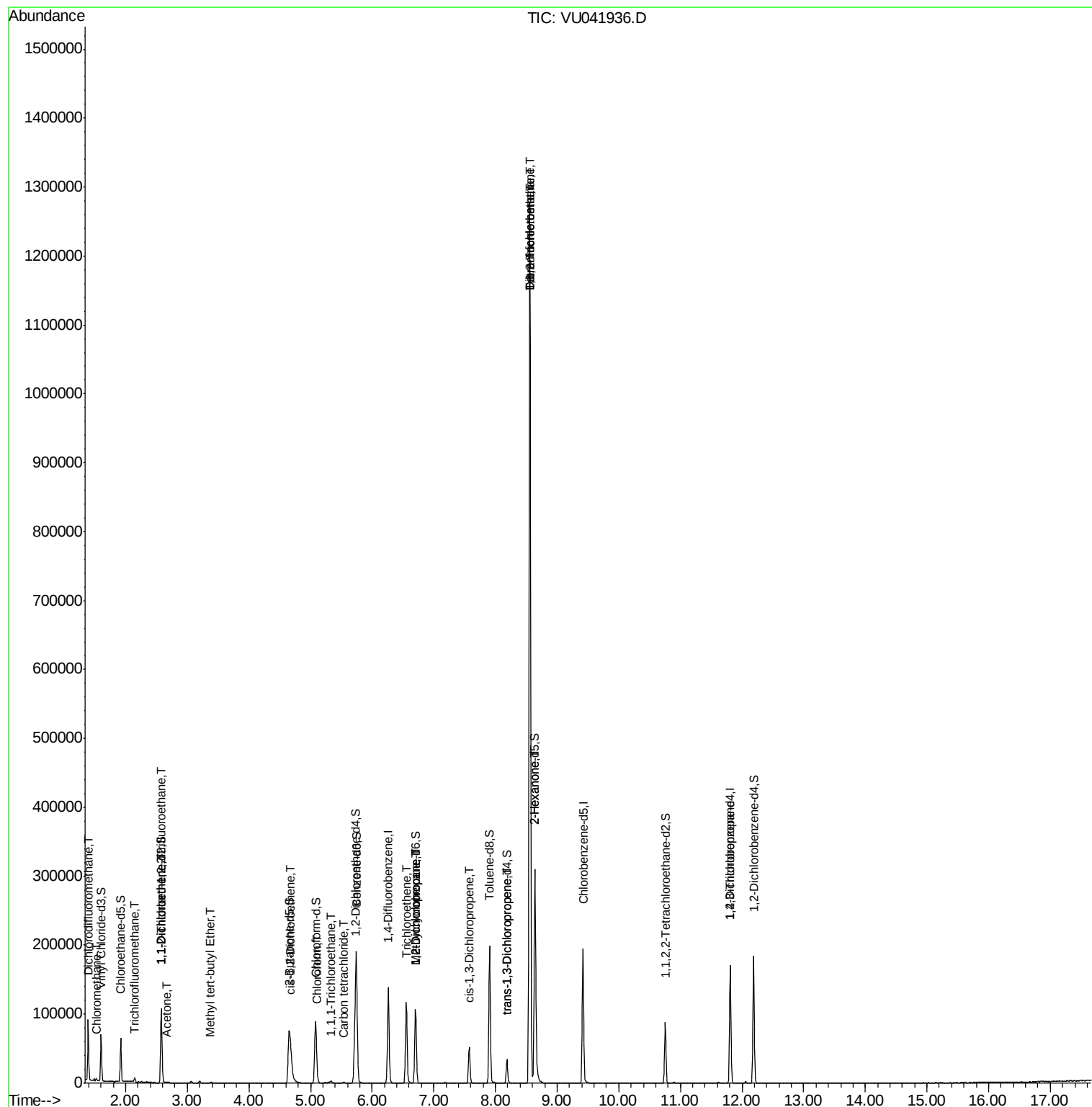
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.56	164	281964	43.668	ug/L	98
48) 2-Hexanone	8.64	43	13645	3.307	ug/L #	68
49) Dibromochloromethane	8.56	129	279280	33.954	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5343	0.830	ug/L	98

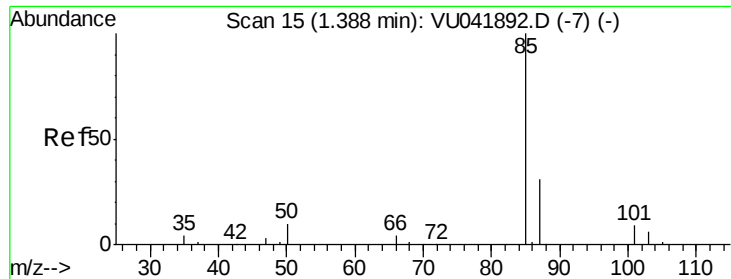
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
Data File : VU041936.D
Acq On : 11 Jan 2021 21:27
Operator : SY/MD
Sample : M1024-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXM5

Quant Time: Jan 12 03:30:10 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jan 12 03:17:19 2021
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.778 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041936.D

Acq: 11 Jan 2021 21:27

Instrument :

MSVOA_U

ClientSampleId :

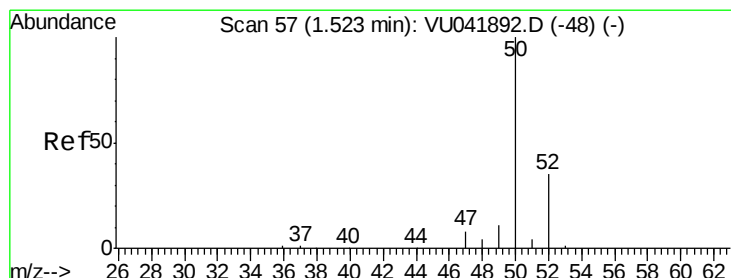
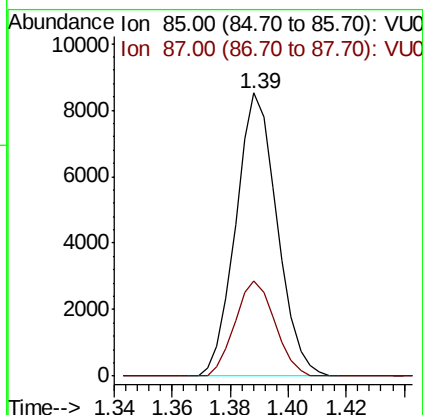
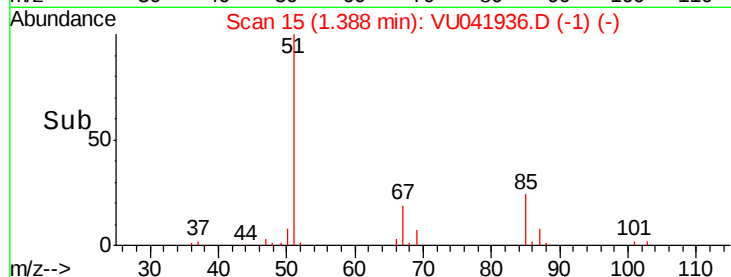
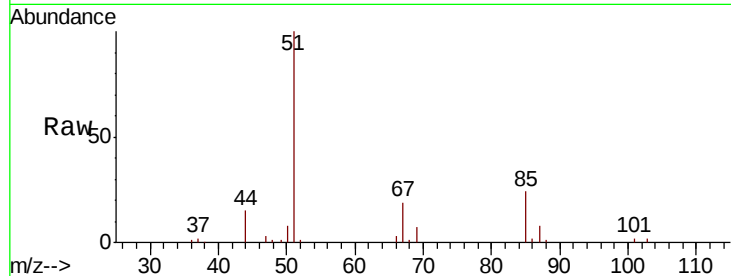
BFXM5

Tot Ion: 85 Resp: 8414

Ion Ratio Lower Upper

85 100

87 32.5 26.3 39.5



#3

Chloromethane

Concen: 0.197 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041936.D

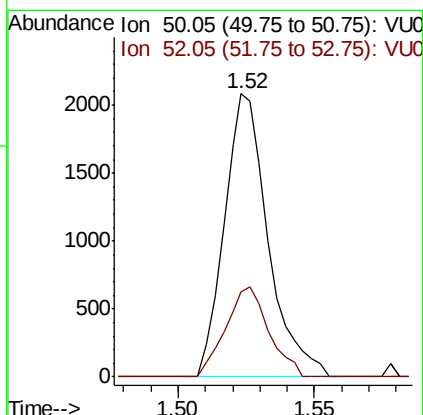
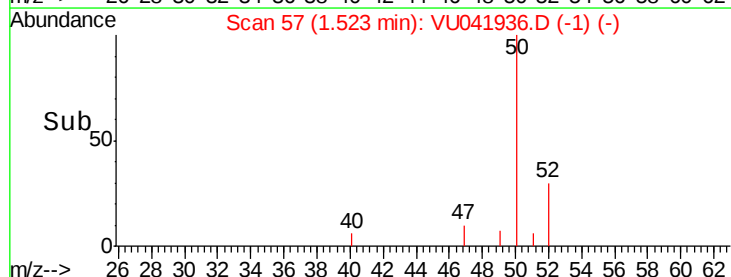
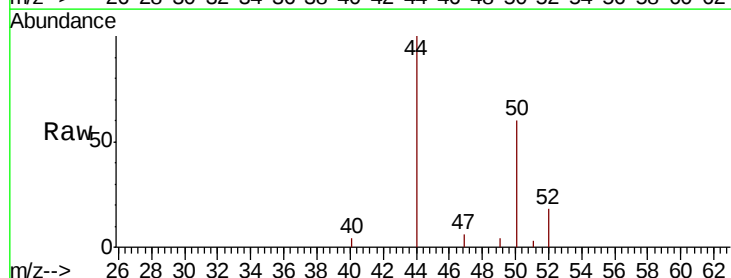
Acq: 11 Jan 2021 21:27

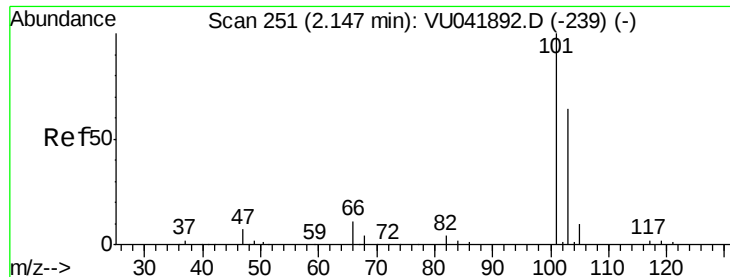
Tgt Ion: 50 Resp: 2321

Ion Ratio Lower Upper

50 100

52 30.1 21.4 39.8



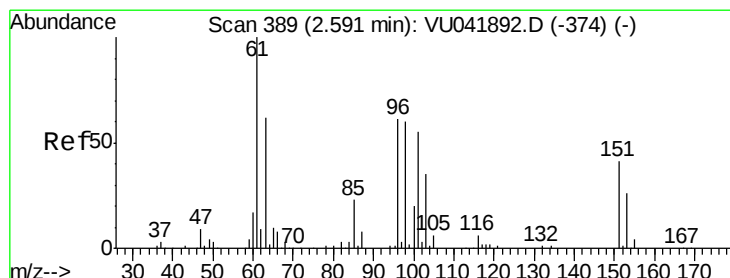
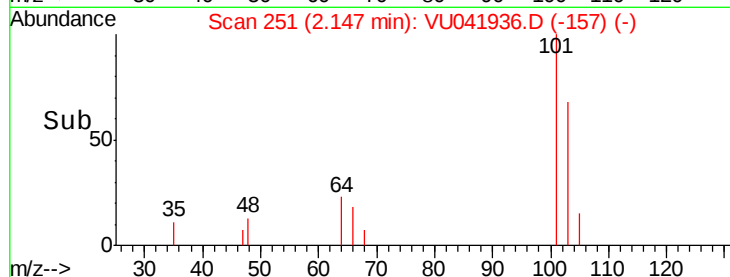
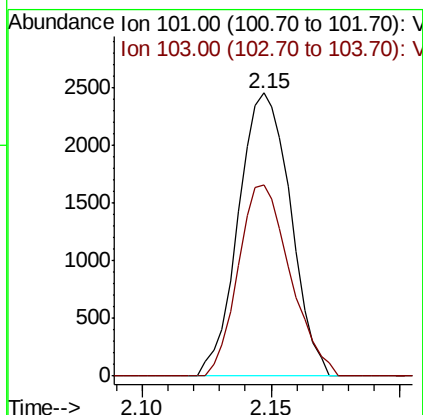
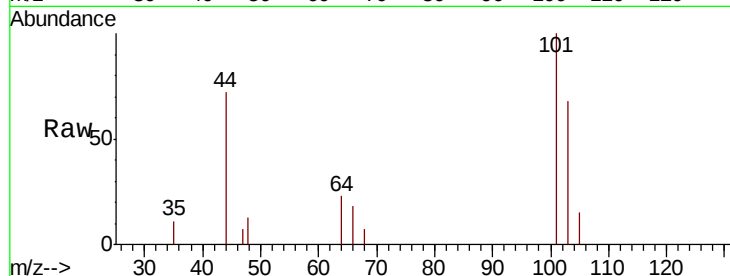


#9

Trichlorofluoromethane
Concen: 0.210 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041936.D
Acq: 11 Jan 2021 21:27

Instrument :
MSVOA_U
ClientSampled :
BFXM5

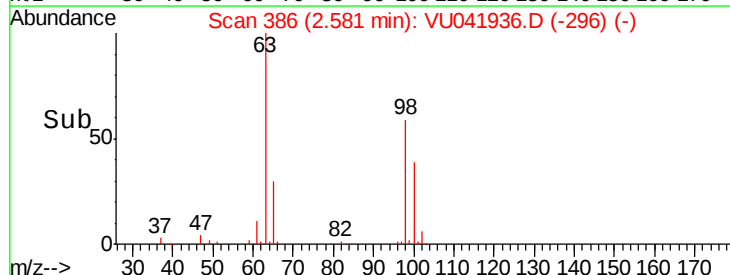
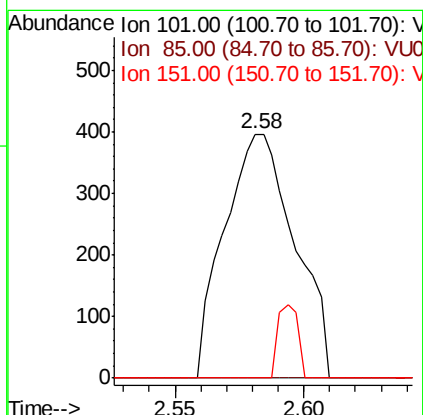
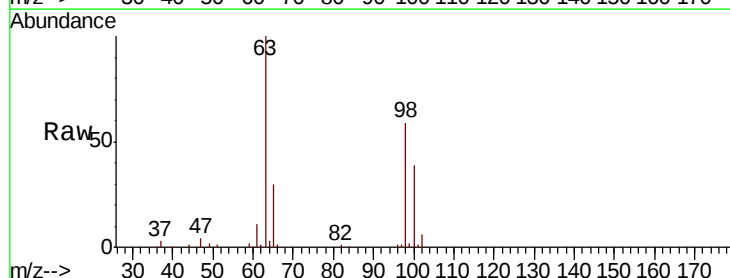
Tot Ion:101 Resp: 3462
Ion Ratio Lower Upper
101 100
103 67.5 51.3 76.9

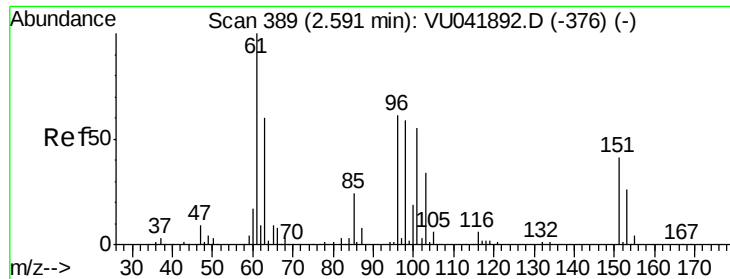


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.084 ug/L
RT: 2.58 min Scan# 386
Delta R.T. -0.01 min
Lab File: VU041936.D
Acq: 11 Jan 2021 21:27

Tgt Ion:101 Resp: 753
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 8.5 58.2 87.2#

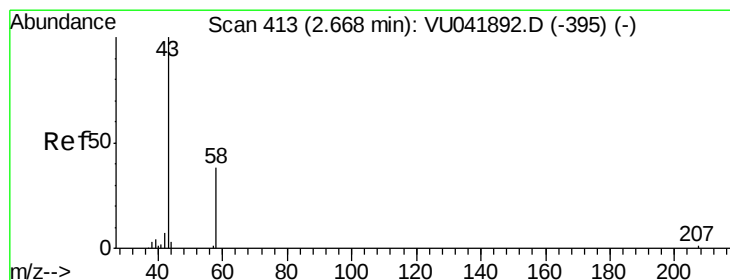
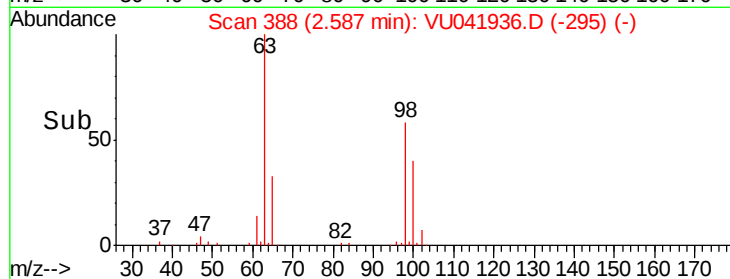
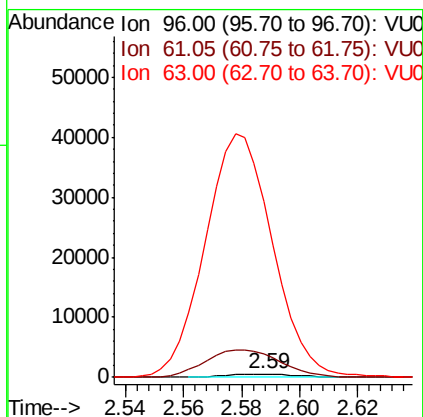
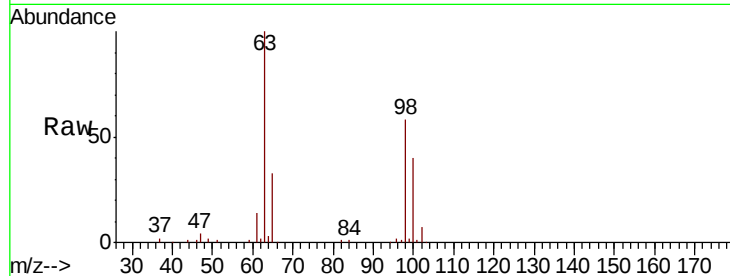




#12
 1,1-Dichloroethene
 Concen: 0.098 ug/L
 RT: 2.59 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VU041936.D
 Acq: 11 Jan 2021 21:27

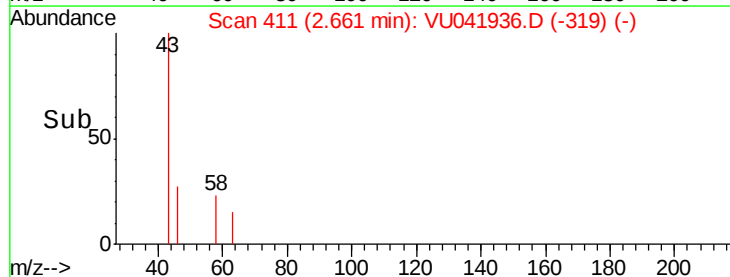
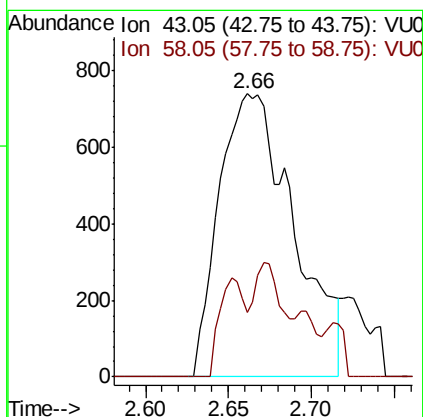
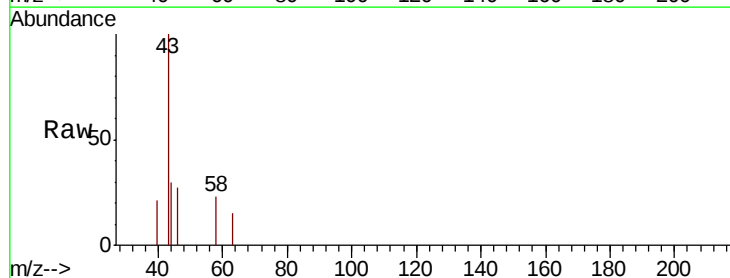
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXM5

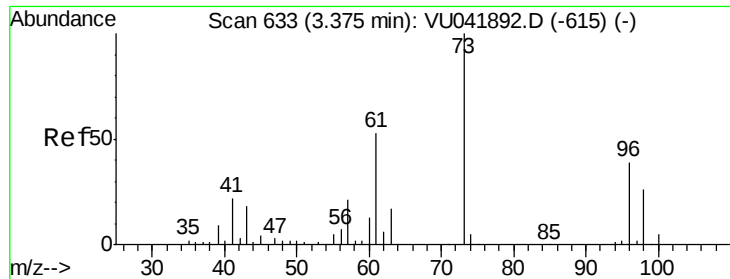
Tot Ion: 96 Resp: 855
 Ion Ratio Lower Upper
 96 100
 61 758.2 123.5 229.4#
 63 5613.8 93.5 173.7#



#13
 Acetone
 Concen: 1.359 ug/L
 RT: 2.66 min Scan# 411
 Delta R.T. -0.00 min
 Lab File: VU041936.D
 Acq: 11 Jan 2021 21:27

Tgt Ion: 43 Resp: 2312
 Ion Ratio Lower Upper
 43 100
 58 8.0 0.0 23.6

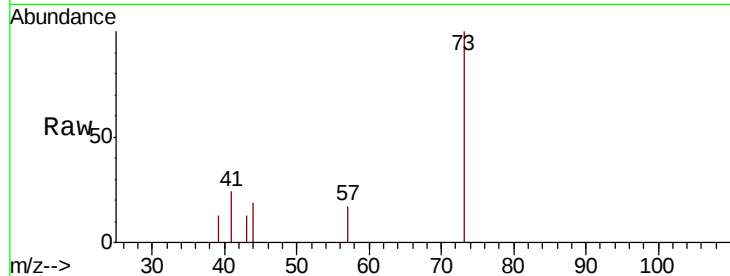




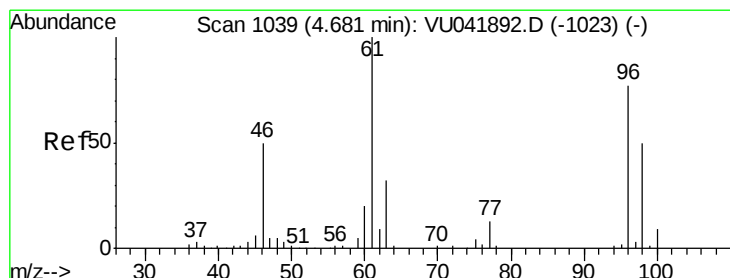
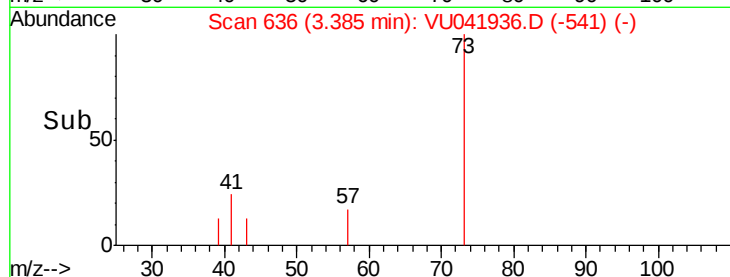
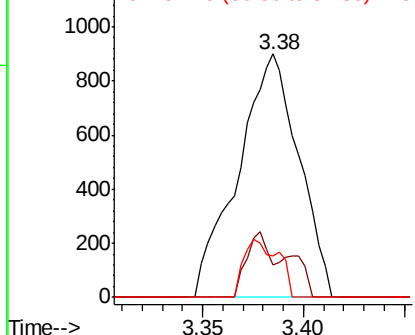
#17
Methvl tert-butvl Ether
Concen: 0.090 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.01 min
Lab File: VU041936.D
Acq: 11 Jan 2021 21:27

Instrument :
MSVOA_U
ClientSampleId :
BFXM5

Tot Ion: 73 Resp: 1879
Ion Ratio Lower Upper
73 100
43 5.9 15.8 23.8#
57 0.0 18.3 27.5#

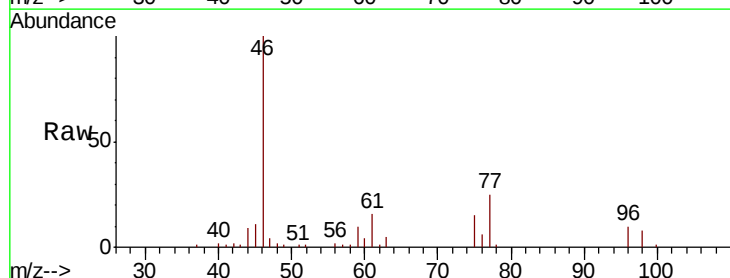


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

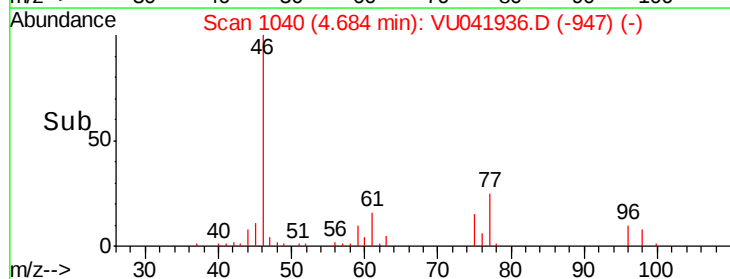
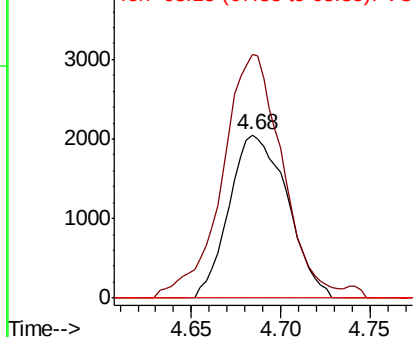


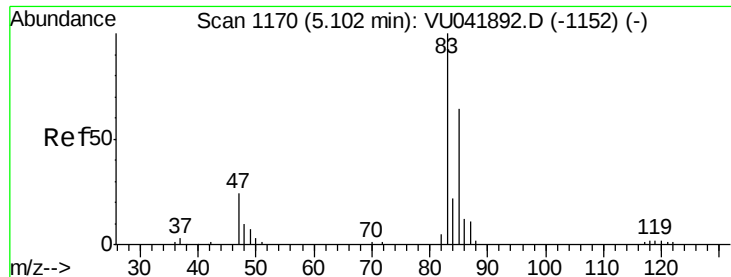
#22
cis-1,2-Dichloroethene
Concen: 0.514 ug/L
RT: 4.68 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VU041936.D
Acq: 11 Jan 2021 21:27

Tgt Ion: 96 Resp: 4656
Ion Ratio Lower Upper
96 100
61 149.3 90.3 167.7
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0

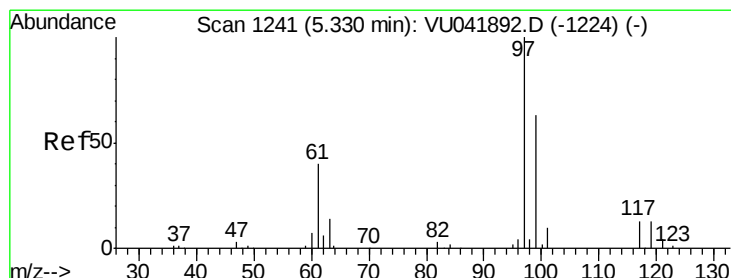
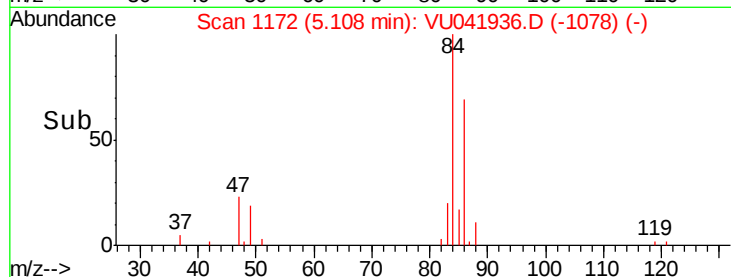
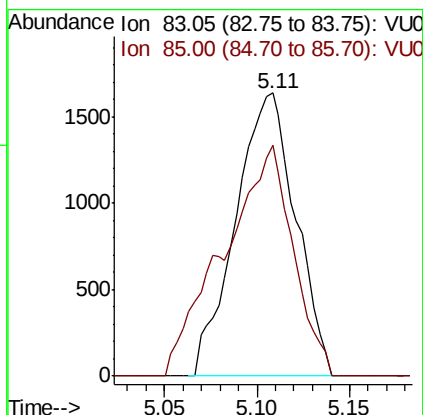
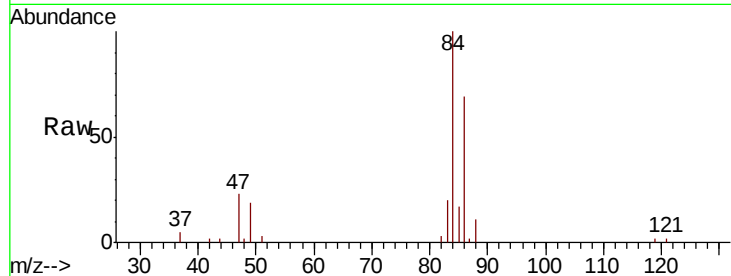




#25
Chloroform
Concen: 0.223 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041936.D
Acq: 11 Jan 2021 21:27

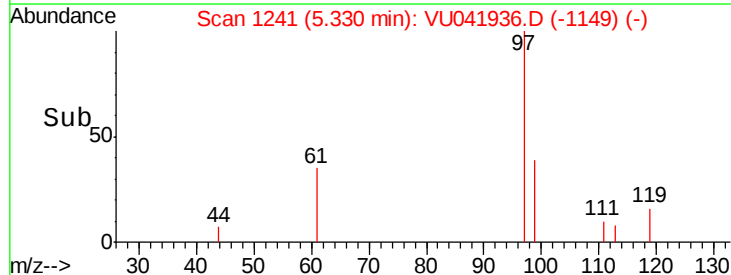
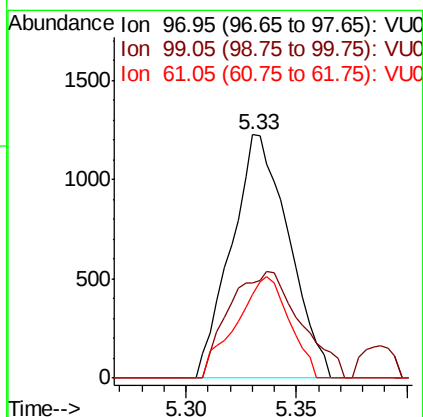
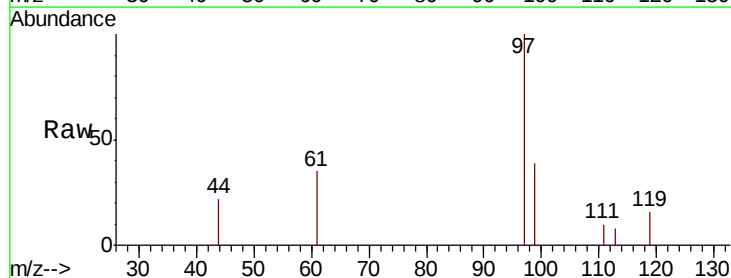
Instrument :
MSVOA_U
ClientSampleId :
BFXM5

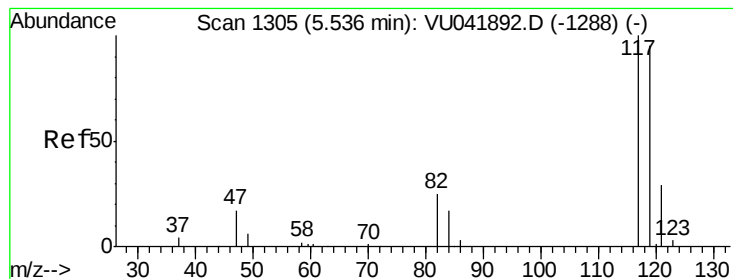
Tot Ion: 83 Resp: 3692
Ion Ratio Lower Upper
83 100
85 81.4 45.1 83.9



#29
1,1,1-Trichloroethane
Concen: 0.154 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU041936.D
Acq: 11 Jan 2021 21:27

Tgt Ion: 97 Resp: 2211
Ion Ratio Lower Upper
97 100
99 54.2 51.4 77.2
61 38.6 35.3 52.9





#31

Carbon tetrachloride

Concen: 0.062 ug/L

RT: 5.53 min Scan# 1304

Delta R.T. -0.01 min

Lab File: VU041936.D

Acq: 11 Jan 2021 21:27

Instrument :

MSVOA_U

ClientSampleId :

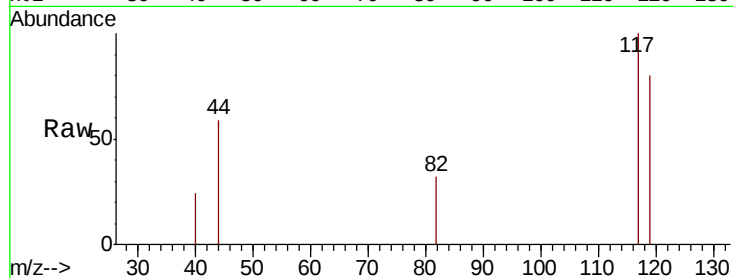
BFXM5

Tot Ion:117 Resp: 768

Ion Ratio Lower Upper

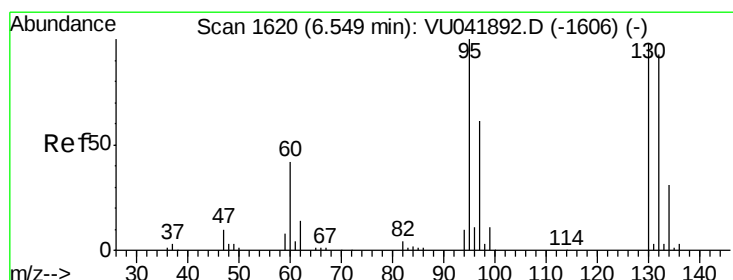
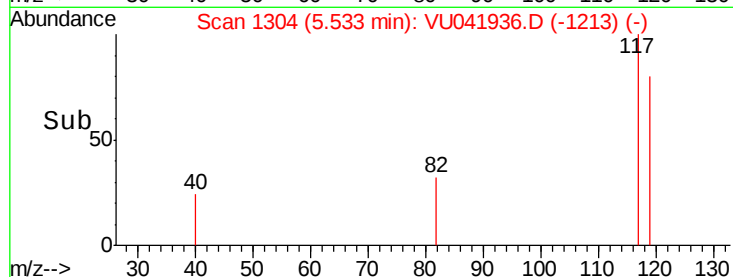
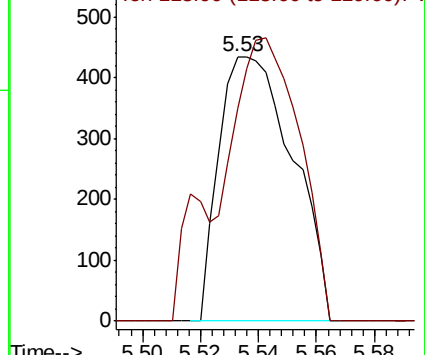
117 100

119 98.4 75.0 112.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 4.353 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041936.D

Acq: 11 Jan 2021 21:27

Tgt Ion: 95 Resp: 40390

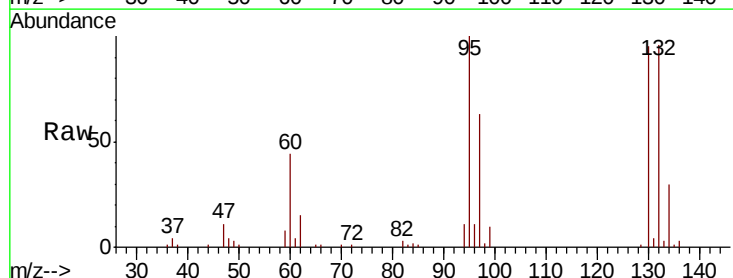
Ion Ratio Lower Upper

95 100

97 63.0 45.2 84.0

132 95.7 68.7 127.5

130 94.8 68.0 126.4

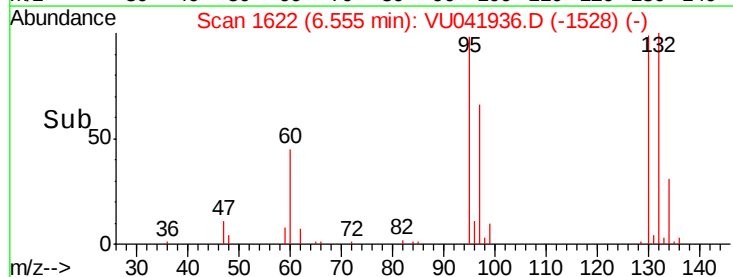
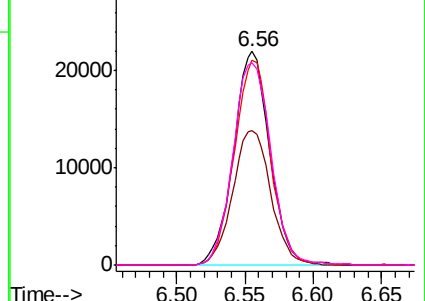


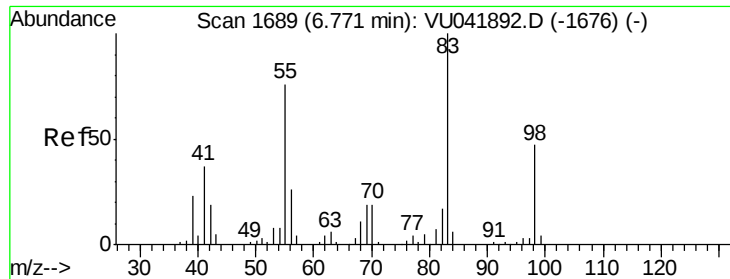
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

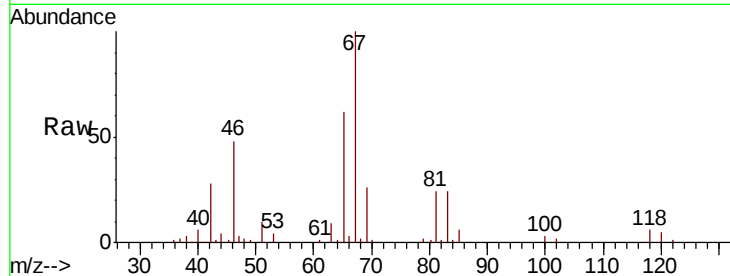




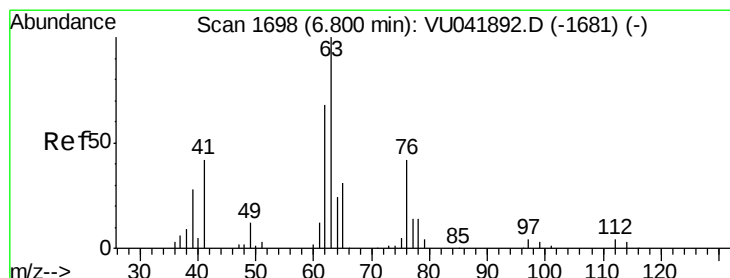
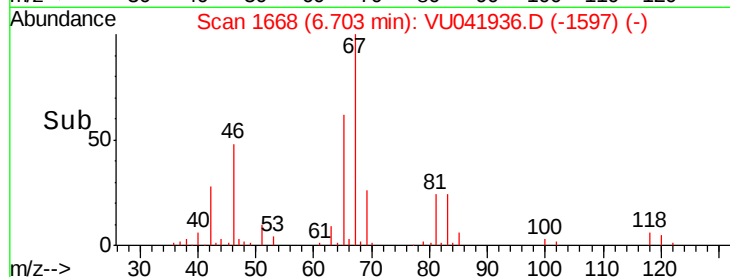
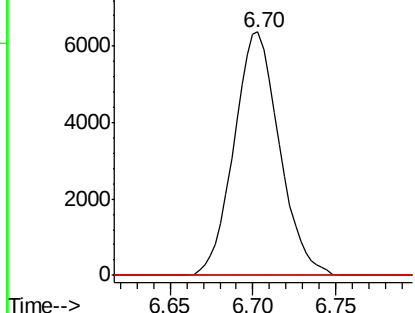
#35
Methvlcvclohexane
Concen: 0.887 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041936.D
Acq: 11 Jan 2021 21:27

Instrument :
MSVOA_U
ClientSampleId :
BFXM5

Tot Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.3	96.5#
98	0.0	36.6	54.8#

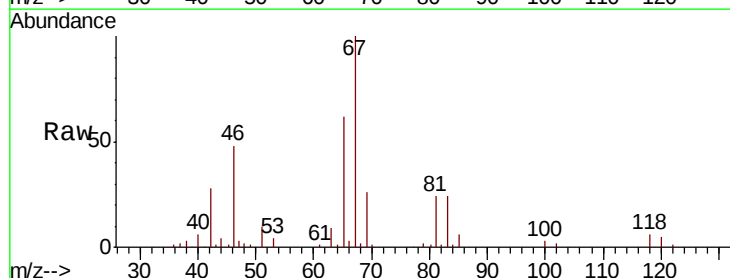


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

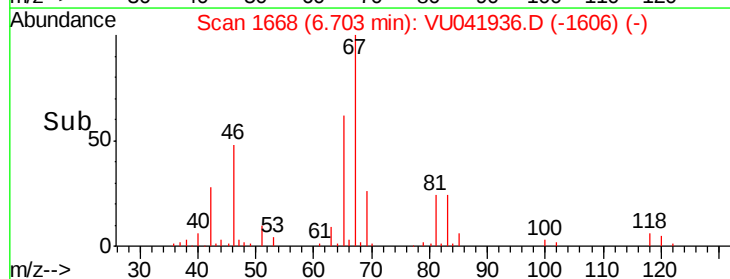
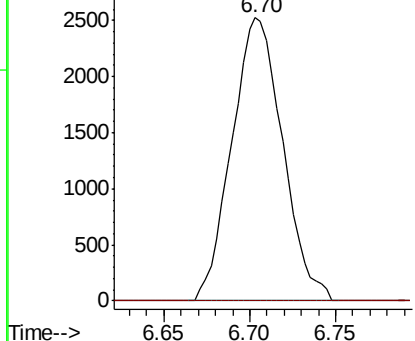


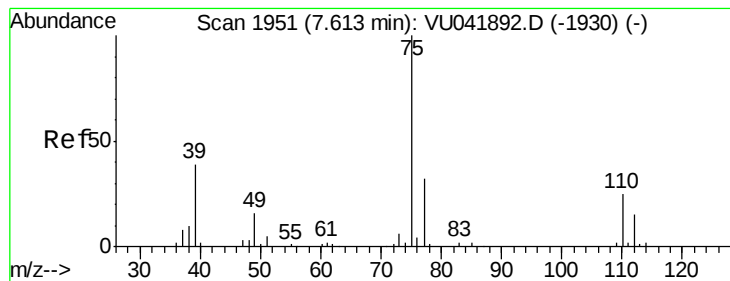
#37
1,2-Dichloropropane
Concen: 0.590 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041936.D
Acq: 11 Jan 2021 21:27

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.3	4.9#



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



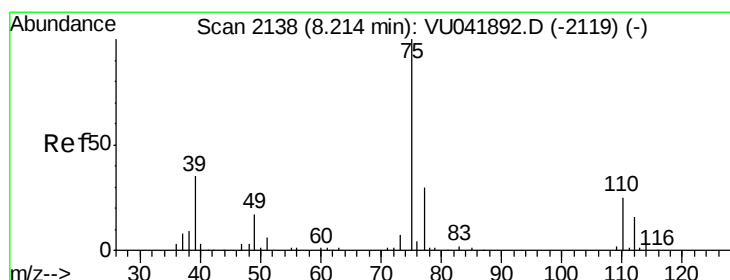
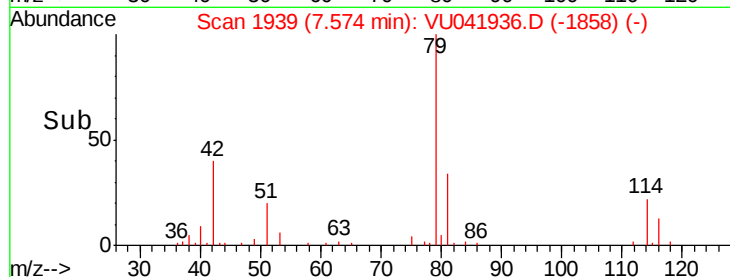
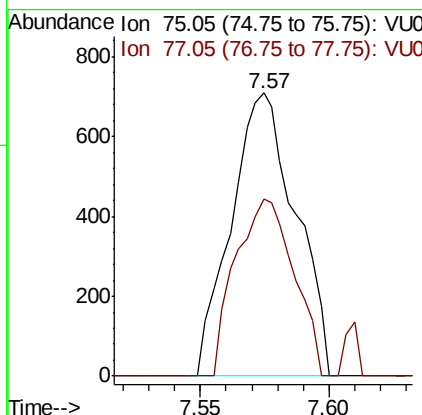
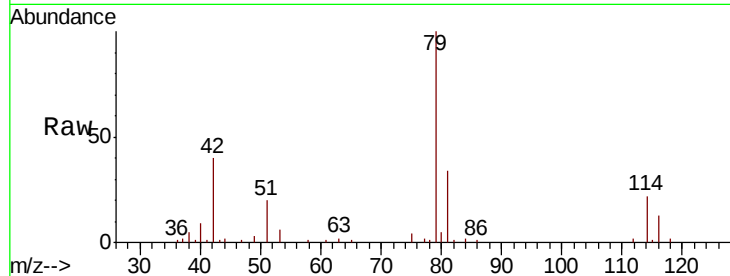


#39

cis-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU041936.D
Acq: 11 Jan 2021 21:27

Instrument :
MSVOA_U
ClientSampleId :
BFXM5

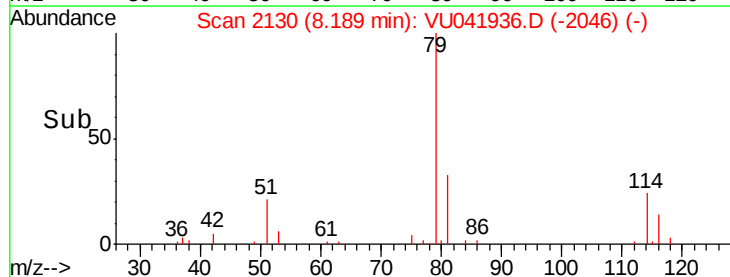
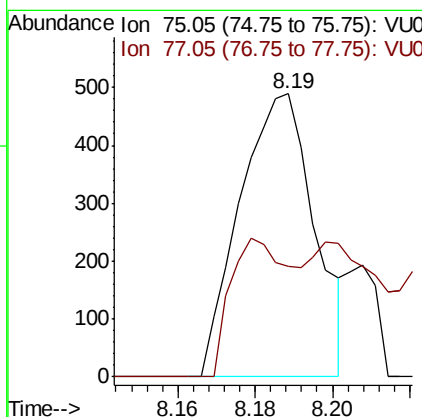
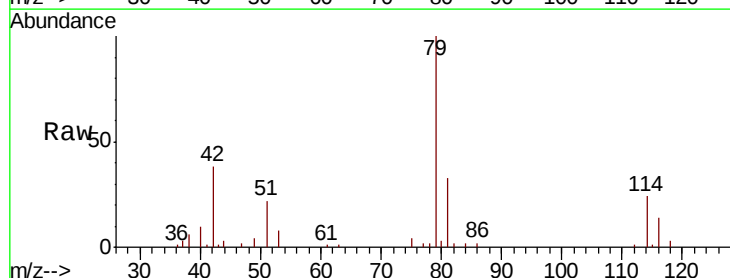
Tot Ion: 75 Resp: 1235
Ion Ratio Lower Upper
75 100
77 62.6 21.5 39.9#

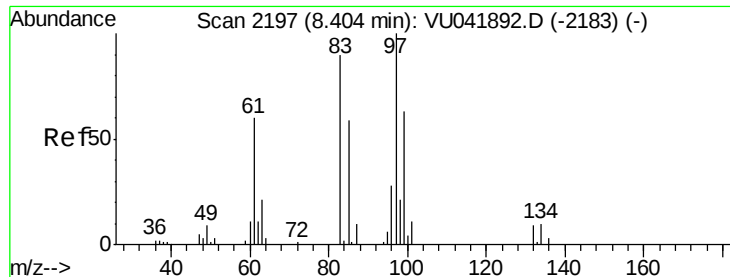


#44

trans-1,3-Dichloropropene
Concen: 0.057 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041936.D
Acq: 11 Jan 2021 21:27

Tgt Ion: 75 Resp: 654
Ion Ratio Lower Upper
75 100
77 38.9 23.7 44.1





#45

1,1,2-Trichloroethane

Concen: 0.318 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.15 min

Lab File: VU041936.D

Acq: 11 Jan 2021 21:27

Instrument :

MSVOA_U

ClientSampleId :

BFXM5

Tot Ion: 97 Resp: 2149

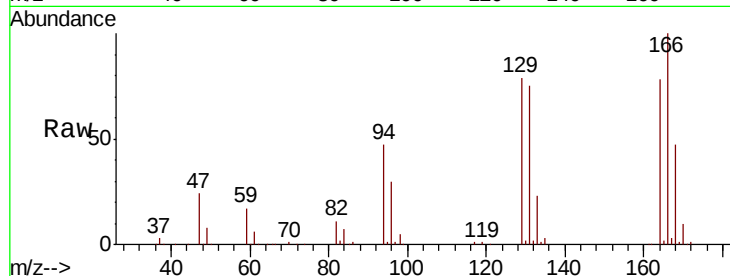
Ion Ratio Lower Upper

97 100

99 19.1 45.1 83.9#

83 299.7 63.3 117.7#

85 46.7 39.2 72.8



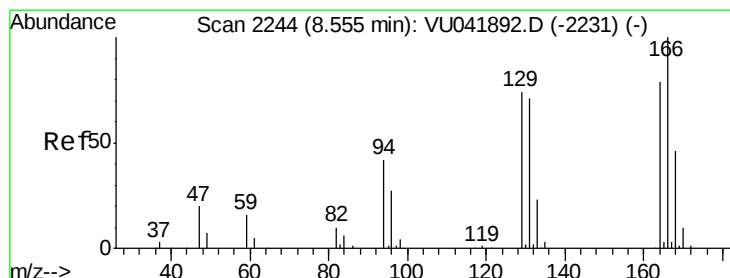
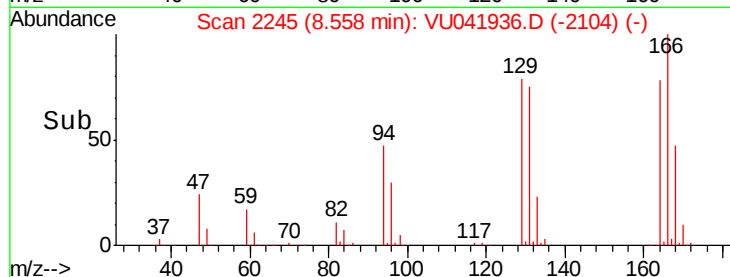
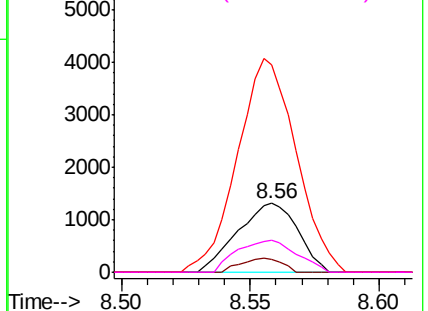
Abundance

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: 43.668 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041936.D

Acq: 11 Jan 2021 21:27

Tgt Ion: 164 Resp: 281964

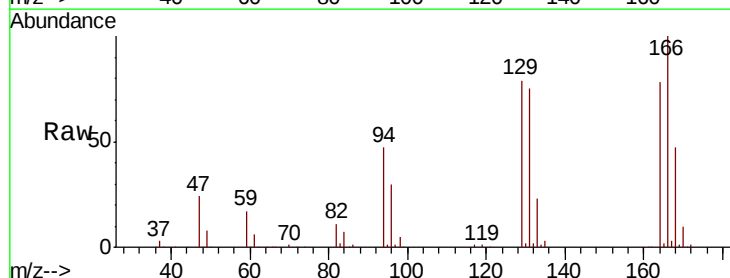
Ion Ratio Lower Upper

164 100

129 100.9 69.2 128.6

131 96.4 69.7 129.5

166 128.1 89.2 165.8



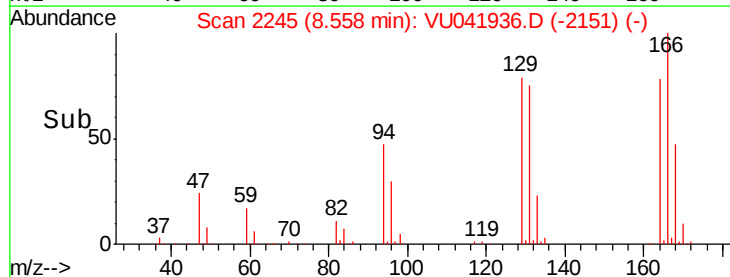
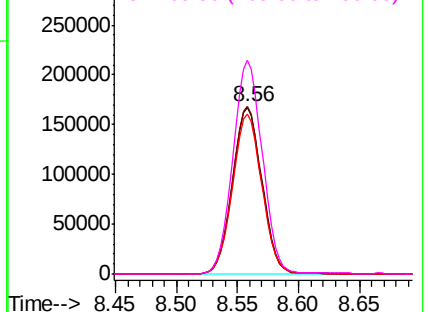
Abundance

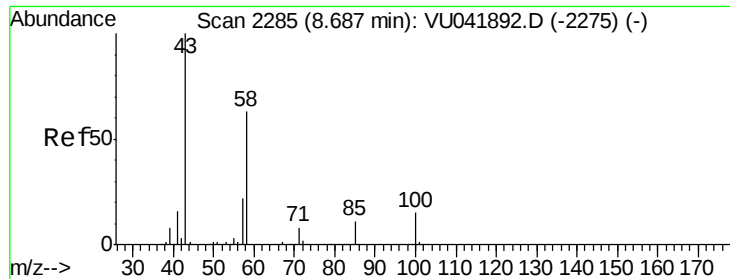
Ion 163.90 (163.60 to 164.60): V

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

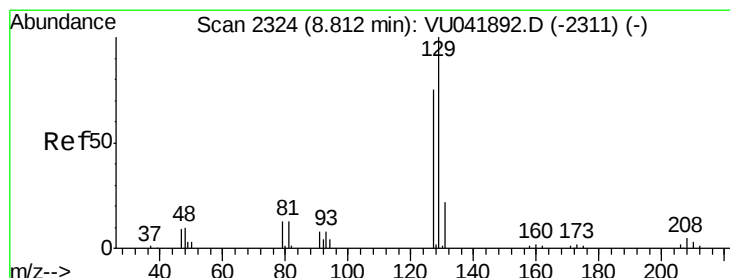
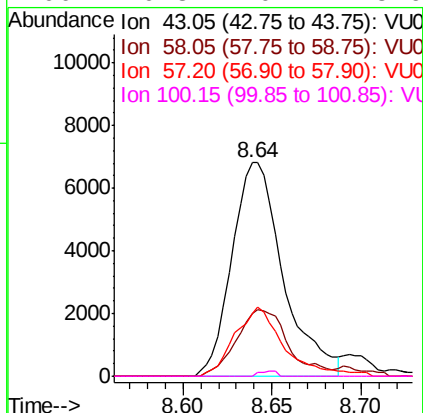
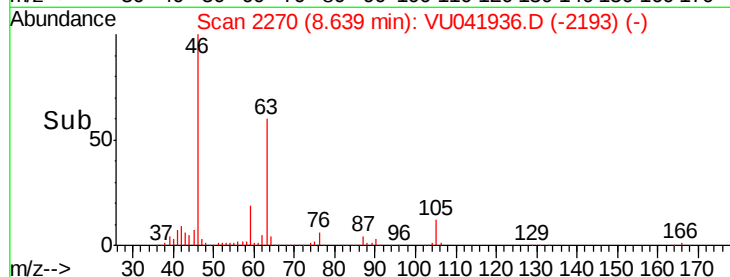
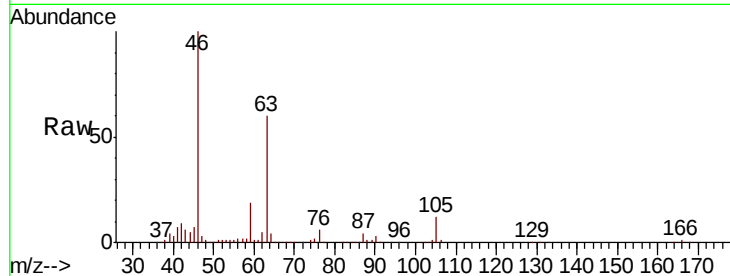




#48
2-Hexanone
Concen: 3.307 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041936.D
Acq: 11 Jan 2021 21:27

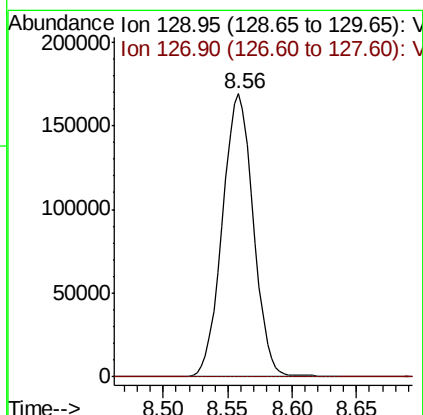
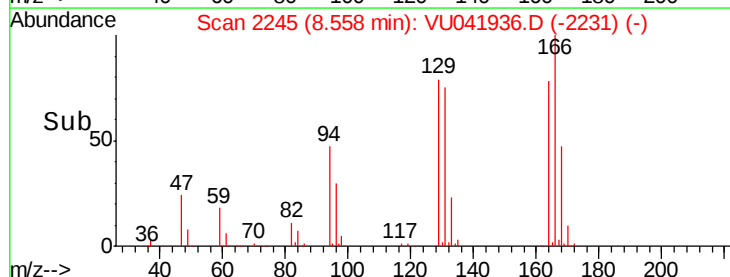
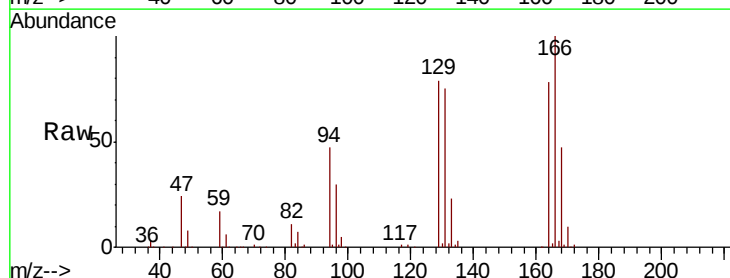
Instrument :
MSVOA_U
ClientSampleId :
BFXM5

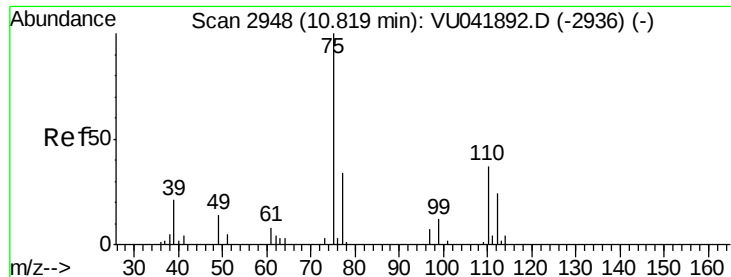
Tot Ion	Ratio	Lower	Upper
43	100		
58	31.6	47.6	71.4#
57	31.1	17.1	25.7#
100	0.8	10.4	15.6#



#49
Dibromochloromethane
Concen: 33.954 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041936.D
Acq: 11 Jan 2021 21:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.9	101.9#





#59

1,2,3-Trichloropropane

Concen: 0.830 ug/L

RT: 11.81 min Scan# 3257

Delta R.T. 0.99 min

Lab File: VU041936.D

Acq: 11 Jan 2021 21:27

Instrument :

MSVOA_U

ClientSampleId :

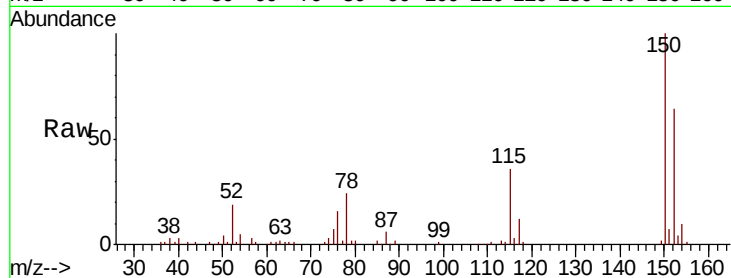
BFXM5

Tot Ion: 75 Resp: 5343

Ion Ratio Lower Upper

75 100

77 32.4 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

