

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
 Data File : VU041894.D
 Acq On : 08 Jan 2021 10:50
 Operator : SY/MD
 Sample : M1027-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXM2

Quant Time: Jan 09 01:42:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 09 01:31:59 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	139285	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	136706	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56081	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39936	3.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.40%
7) Chloroethane-d5	1.92	69	44888	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.57	63	65057	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	4.65	46	181602	58.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.12%
24) Chloroform-d	5.08	84	105358	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.00%
26) 1,2-Dichloroethane-d4	5.71	65	57418	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.74	84	189476	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.70	67	62974	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.90	98	156215	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.18	79	23356	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.64	63	147886	49.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.04%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	57440	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	57113	5.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.60%

Target Compounds

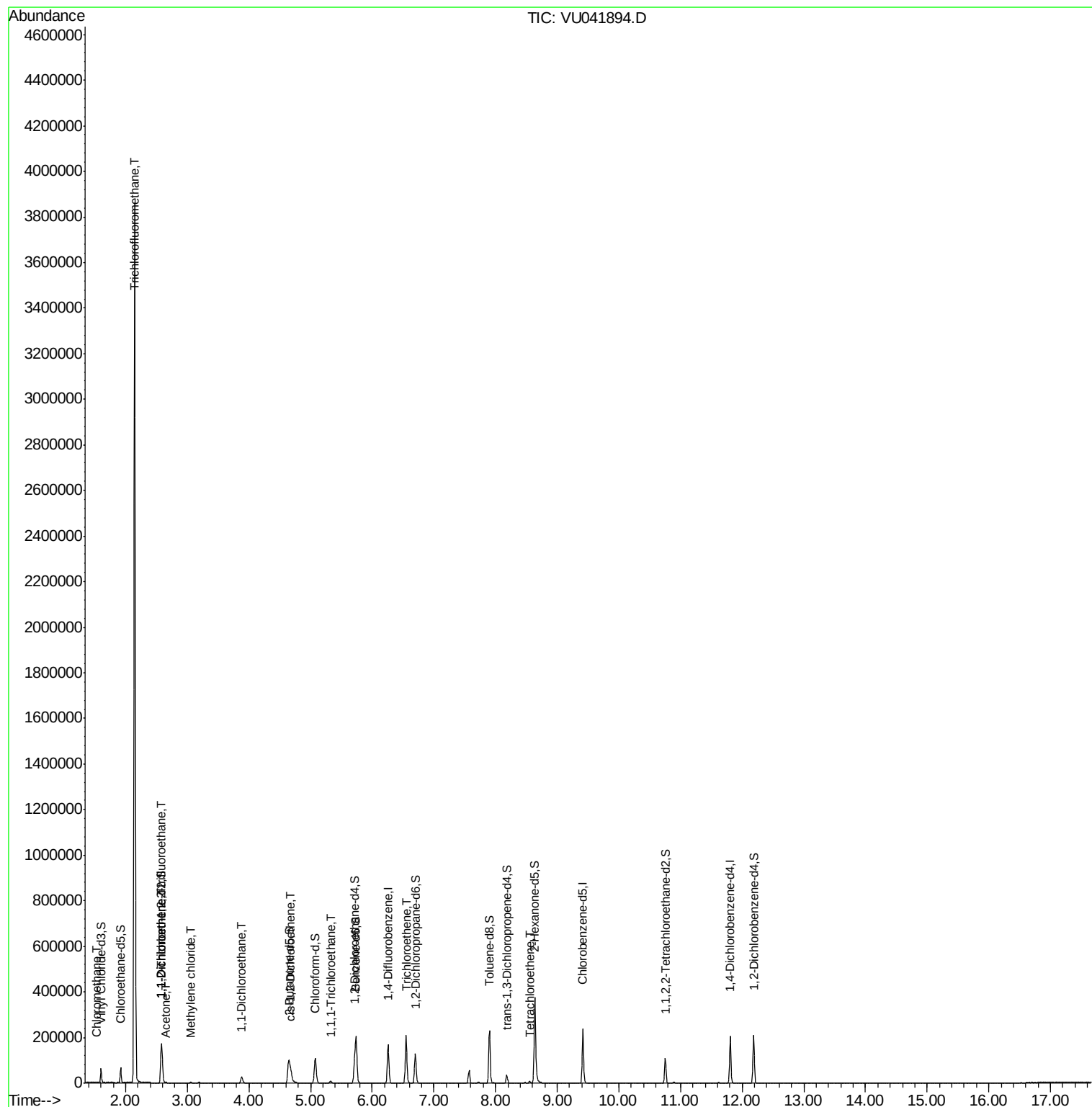
					Qvalue
3) Chloromethane	1.52	50	2104	0.184 ug/L	95
9) Trichlorofluoromethane	2.15	101	2508587	156.571 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	37982	3.964 ug/L	93
12) 1,1-Dichloroethene	2.59	96	4112	0.435 ug/L #	1
13) Acetone	2.65	43	1866	0.938 ug/L	57
16) Methylene chloride	3.06	84	1888	0.167 ug/L	87
19) 1,1-Dichloroethane	3.89	63	31390	1.718 ug/L	97
22) cis-1,2-Dichloroethene	4.68	96	12190	1.129 ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	5821	0.371 ug/L	98
34) Trichloroethene	6.55	95	73661	6.705 ug/L	95
47) Tetrachloroethene	8.55	164	1668	0.217 ug/L	90

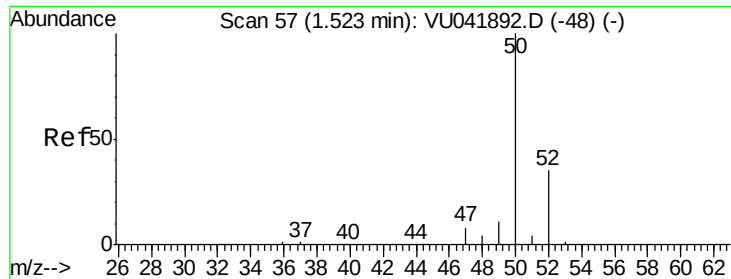
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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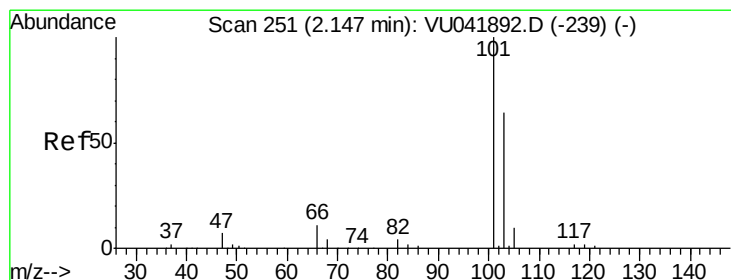
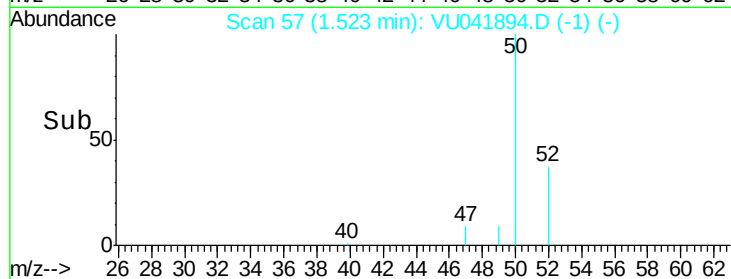
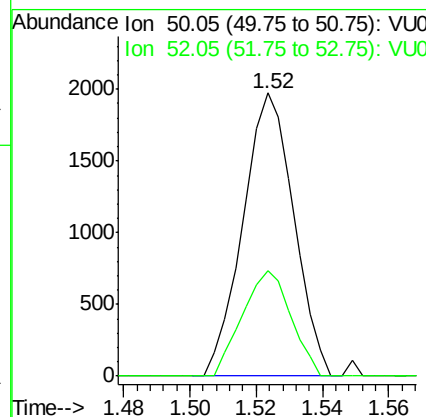
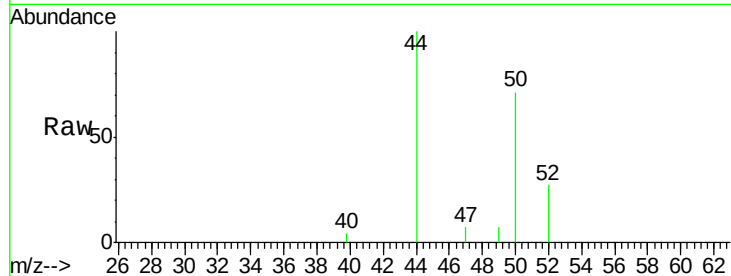




#3
 Chloromethane
 Concen: 0.184 ug/L
 RT: 1.52 min Scan# 57
 Delta R.T. 0.00 min
 Lab File: VU041894.D
 Acq: 08 Jan 2021 10:50

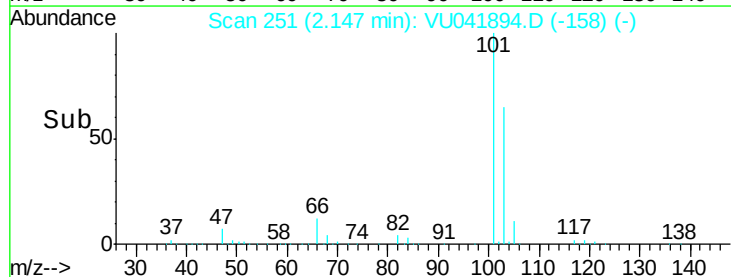
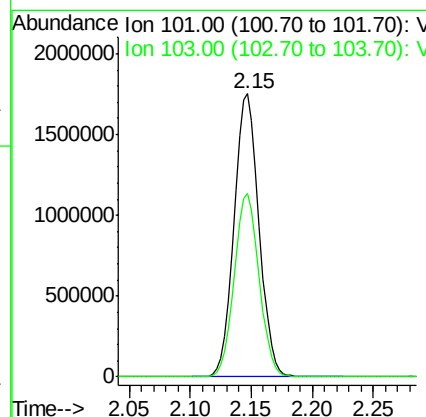
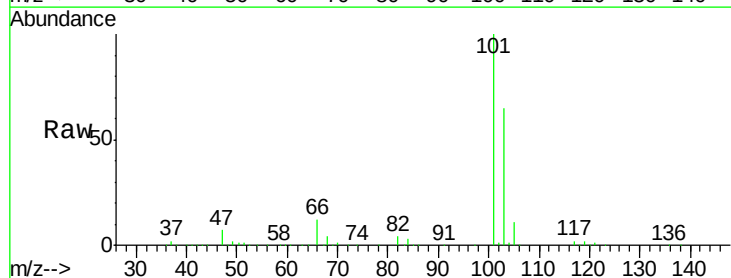
Instrument :
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 BFXM2

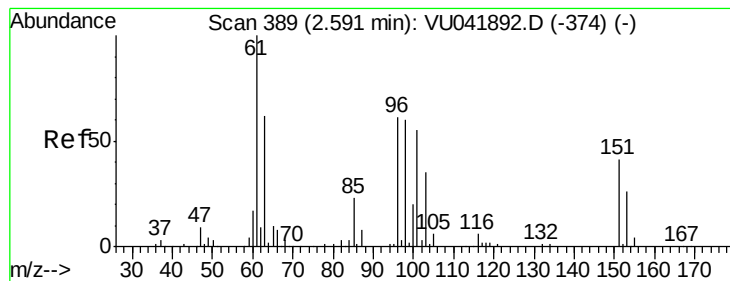
Tgt Ion: 50 Resp: 2104
 Ion Ratio Lower Upper
 50 100
 52 37.4 24.1 44.8



#9
 Trichlorofluoromethane
 Concen: 156.571 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU041894.D
 Acq: 08 Jan 2021 10:50

Tgt Ion: 101 Resp: 2508587
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.1 76.7





#10

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

Concen: 3.964 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041894.D

Acq: 08 Jan 2021 10:50

Instrument :

MSVOA_U

ClientSampleId :

BFXM2

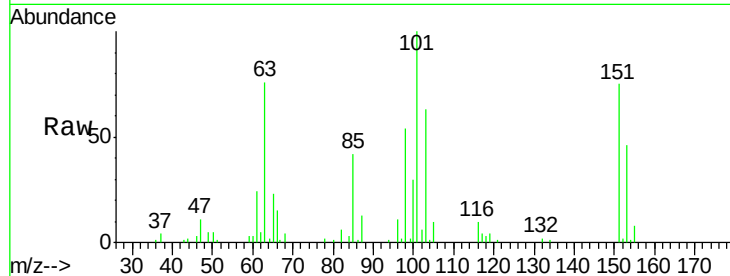
Tgt Ion: 101 Resp: 37982

Ion Ratio Lower Upper

101 100

85 43.4 33.6 50.4

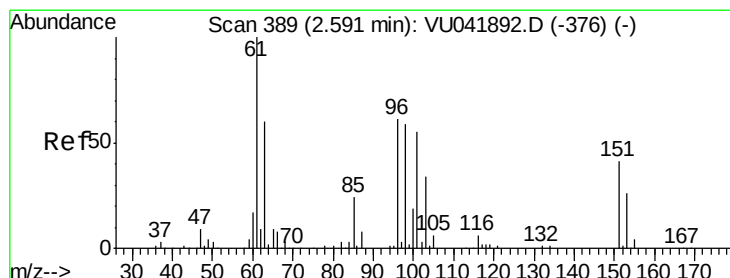
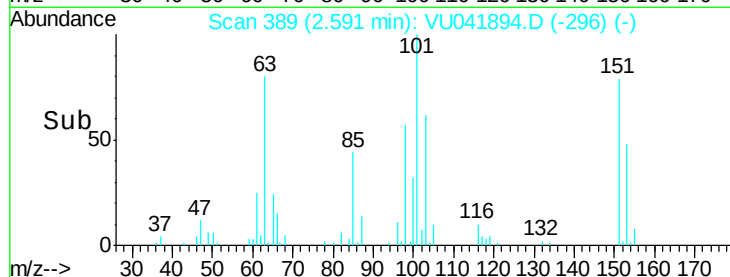
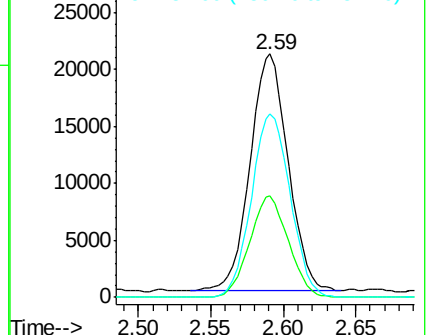
151 78.9 56.2 84.4



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: 0.435 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041894.D

Acq: 08 Jan 2021 10:50

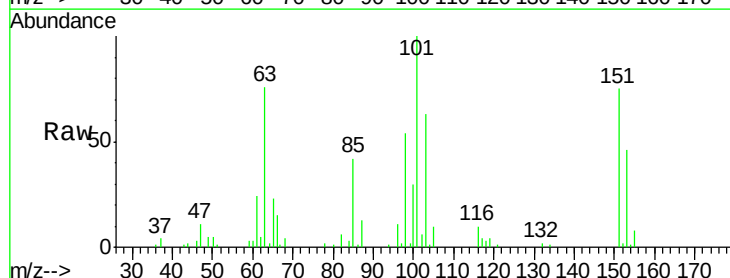
Tgt Ion: 96 Resp: 4112

Ion Ratio Lower Upper

96 100

61 217.5 123.8 230.0

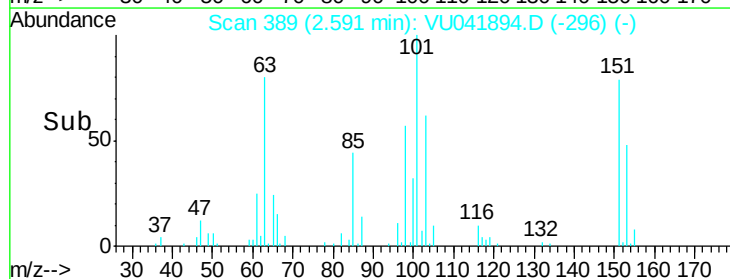
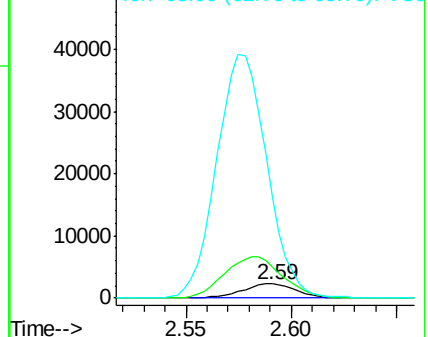
63 700.8 81.0 150.4#

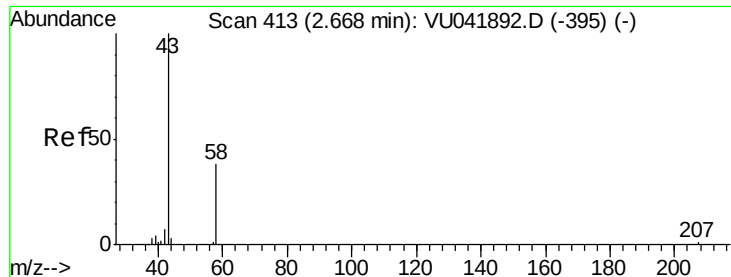


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.938 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.02 min

Lab File: VU041894.D

Acq: 08 Jan 2021 10:50

Instrument :

MSVOA_U

ClientSampleId :

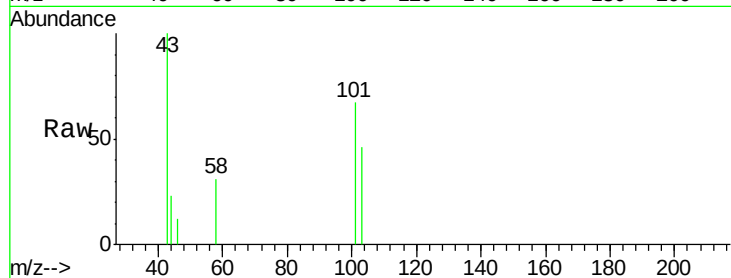
BFXM2

Tgt Ion: 43 Resp: 1866

Ion Ratio Lower Upper

43 100

58 11.1 0.0 73.2

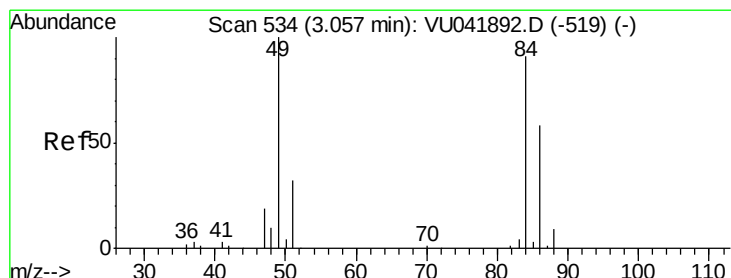
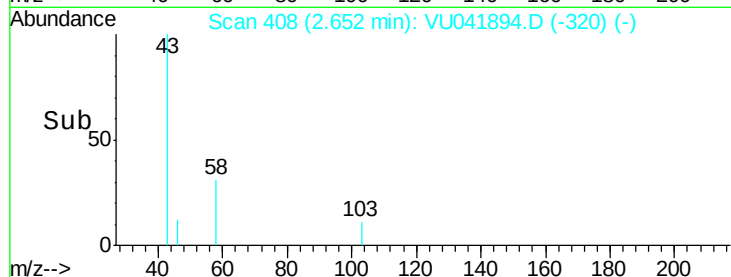


Abundance Ion 43.05 (42.75 to 43.75): VU041892.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041892.D (-395) (-)

2.65

Time-->



#16

Methylene chloride

Concen: 0.167 ug/L

RT: 3.06 min Scan# 534

Delta R.T. 0.00 min

Lab File: VU041894.D

Acq: 08 Jan 2021 10:50

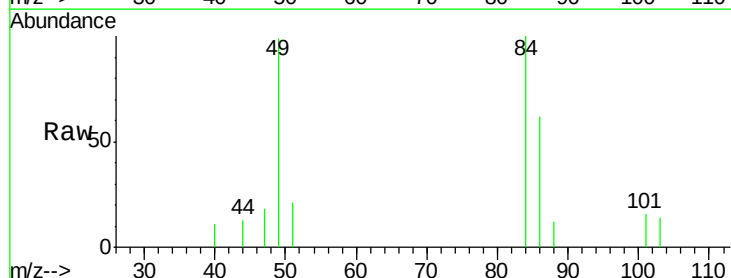
Tgt Ion: 84 Resp: 1888

Ion Ratio Lower Upper

84 100

86 61.9 45.1 83.7

49 98.7 83.1 154.3



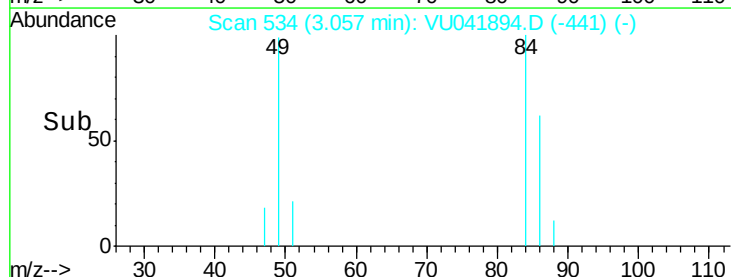
Abundance Ion 84.05 (83.75 to 84.75): VU041892.D (-519) (-)

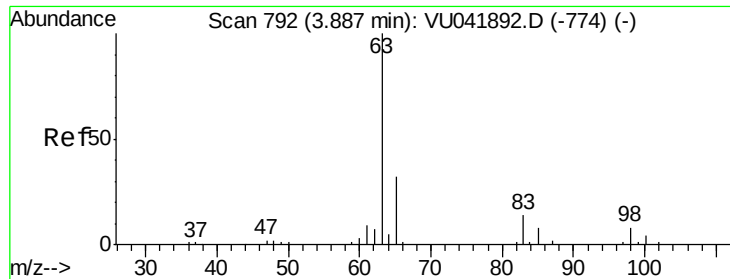
Ion 86.00 (85.70 to 86.70): VU041892.D (-519) (-)

Ion 49.10 (48.80 to 49.80): VU041892.D (-519) (-)

3.06

Time-->

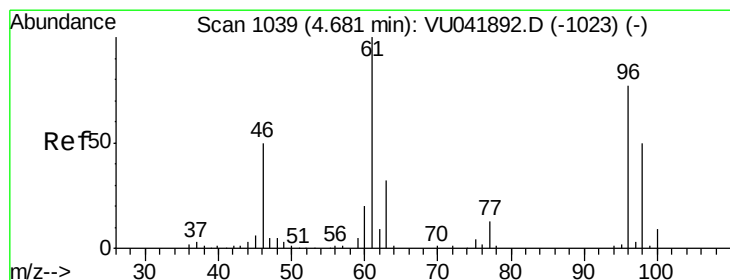
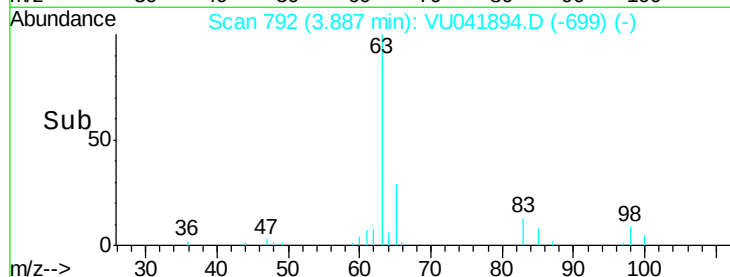
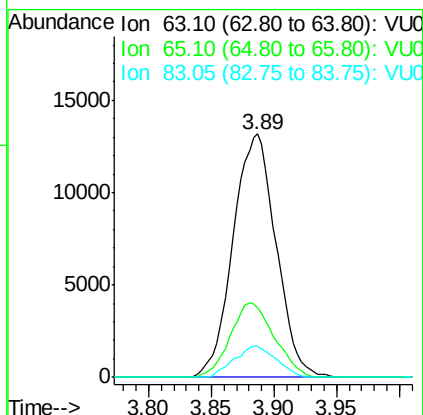
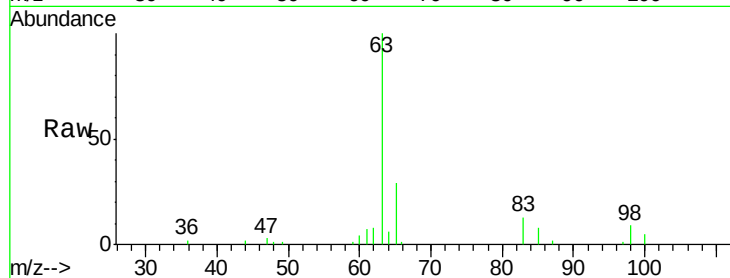




#19
 1,1-Dichloroethane
 Concen: 1.718 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041894.D
 Acq: 08 Jan 2021 10:50

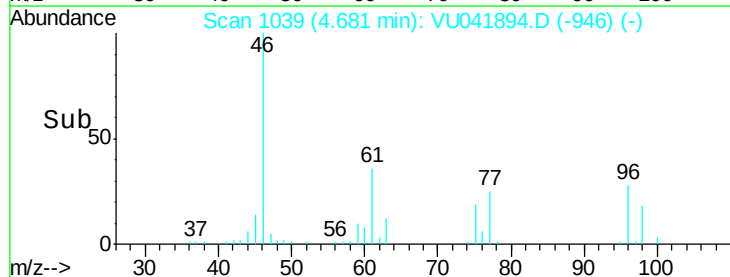
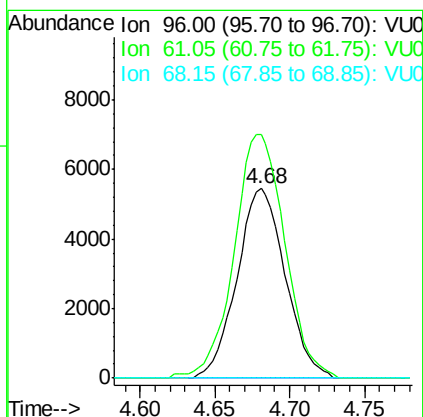
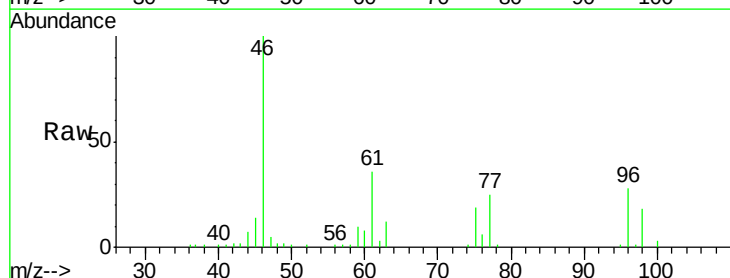
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXM2

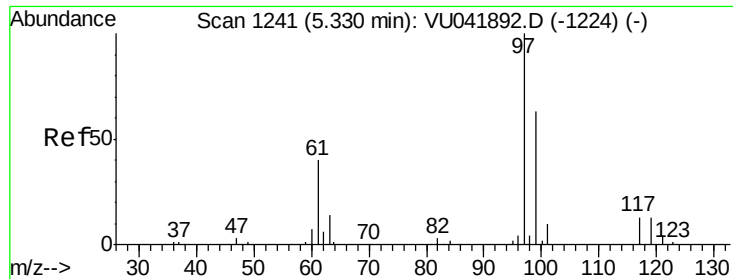
Tgt Ion: 63 Resp: 31390
 Ion Ratio Lower Upper
 63 100
 65 28.7 21.3 39.6
 83 12.7 9.3 17.3



#22
 cis-1,2-Dichloroethene
 Concen: 1.129 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: VU041894.D
 Acq: 08 Jan 2021 10:50

Tgt Ion: 96 Resp: 12190
 Ion Ratio Lower Upper
 96 100
 61 128.6 88.8 165.0
 68 0.0 0.0 0.0

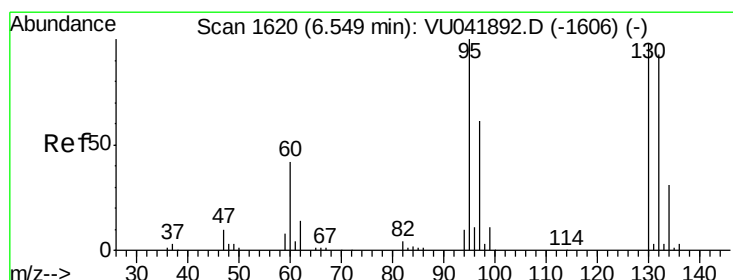
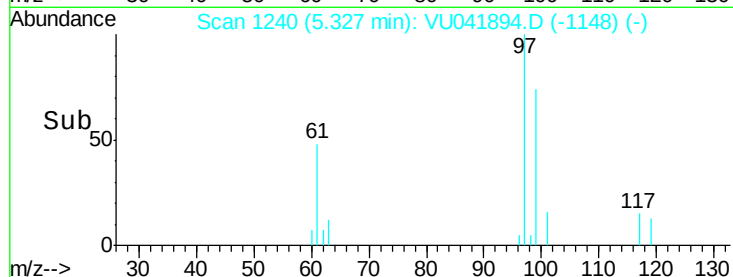
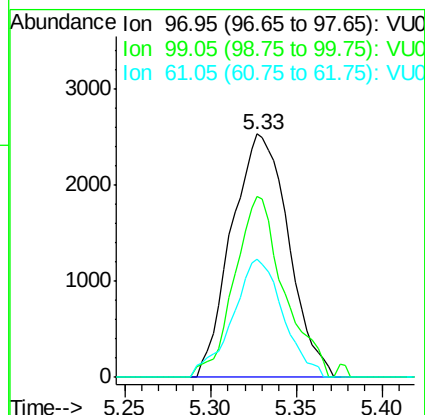
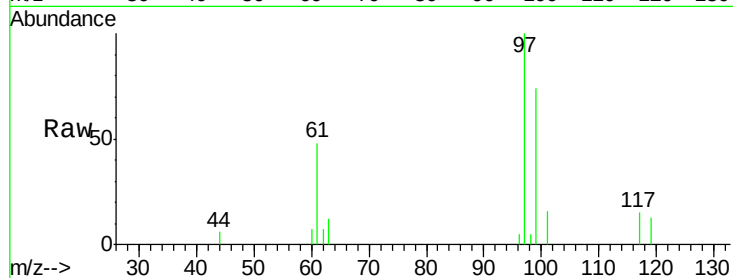




#29
1,1,1-Trichloroethane
Concen: 0.371 ug/L
RT: 5.33 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VU041894.D
Acq: 08 Jan 2021 10:50

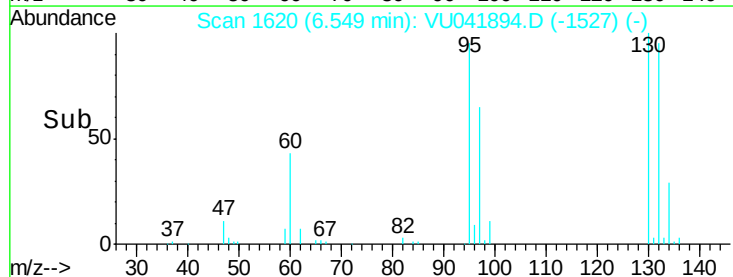
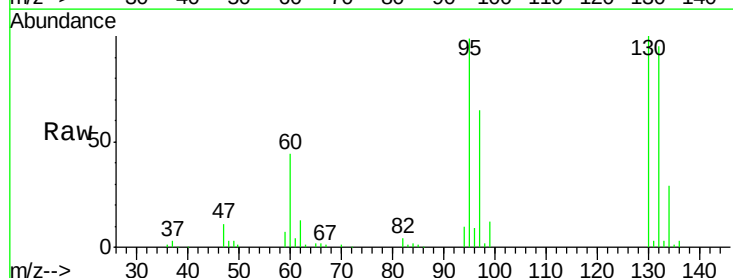
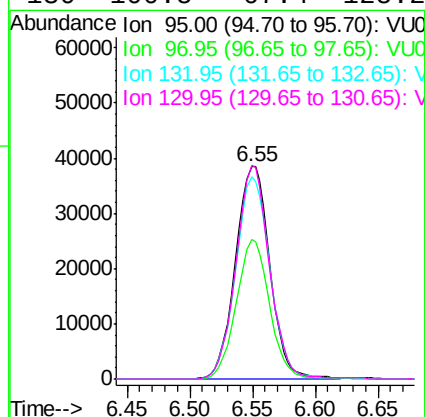
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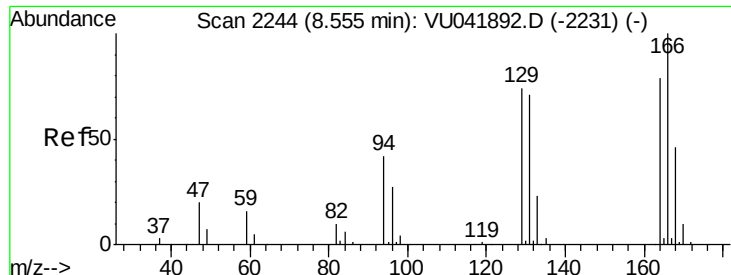
Tgt Ion: 97 Resp: 5821
Ion Ratio Lower Upper
97 100
99 64.6 51.3 76.9
61 43.0 36.5 54.7



#34
Trichloroethene
Concen: 6.705 ug/L
RT: 6.55 min Scan# 1620
Delta R.T. 0.00 min
Lab File: VU041894.D
Acq: 08 Jan 2021 10:50

Tgt Ion: 95 Resp: 73661
Ion Ratio Lower Upper
95 100
97 65.8 43.9 81.5
132 95.4 63.1 117.3
130 100.5 67.4 125.2





#47

Tetrachloroethene

Concen: 0.217 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. -0.00 min

Lab File: VU041894.D

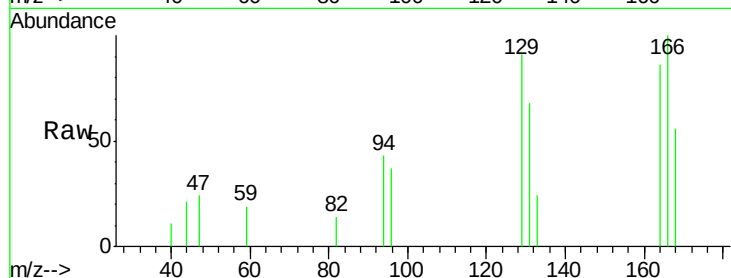
Acq: 08 Jan 2021 10:50

Instrument :

MSVOA_U

ClientSampleId :

BFXM2



Tgt Ion:164 Resp: 1668

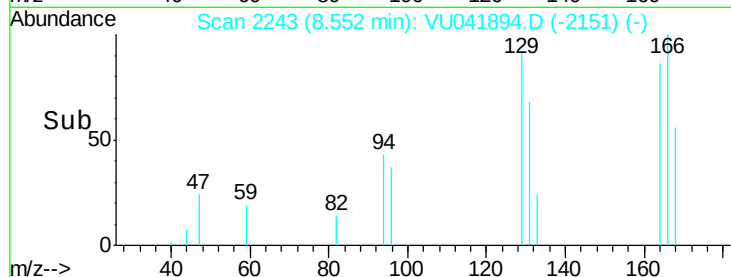
Ion Ratio Lower Upper

164 100

129 105.2 72.2 134.0

131 78.5 66.9 124.3

166 115.7 89.6 166.4



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

