

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
 Data File : VU041897.D
 Acq On : 08 Jan 2021 12:02
 Operator : SY/MD
 Sample : M1027-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXM5

Quant Time: Jan 09 02:13:11 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	140258	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	136211	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60525	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39126	3.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.40%
7) Chloroethane-d5	1.92	69	42419	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.58	63	62219	3.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.60%
20) 2-Butanone-d5	4.65	46	166990	53.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.04%
24) Chloroform-d	5.08	84	99144	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.72	65	57228	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	5.74	84	191667	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.70	67	63674	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.90	98	155501	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.19	79	23093	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.64	63	148394	49.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.74%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	57258	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	59350	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

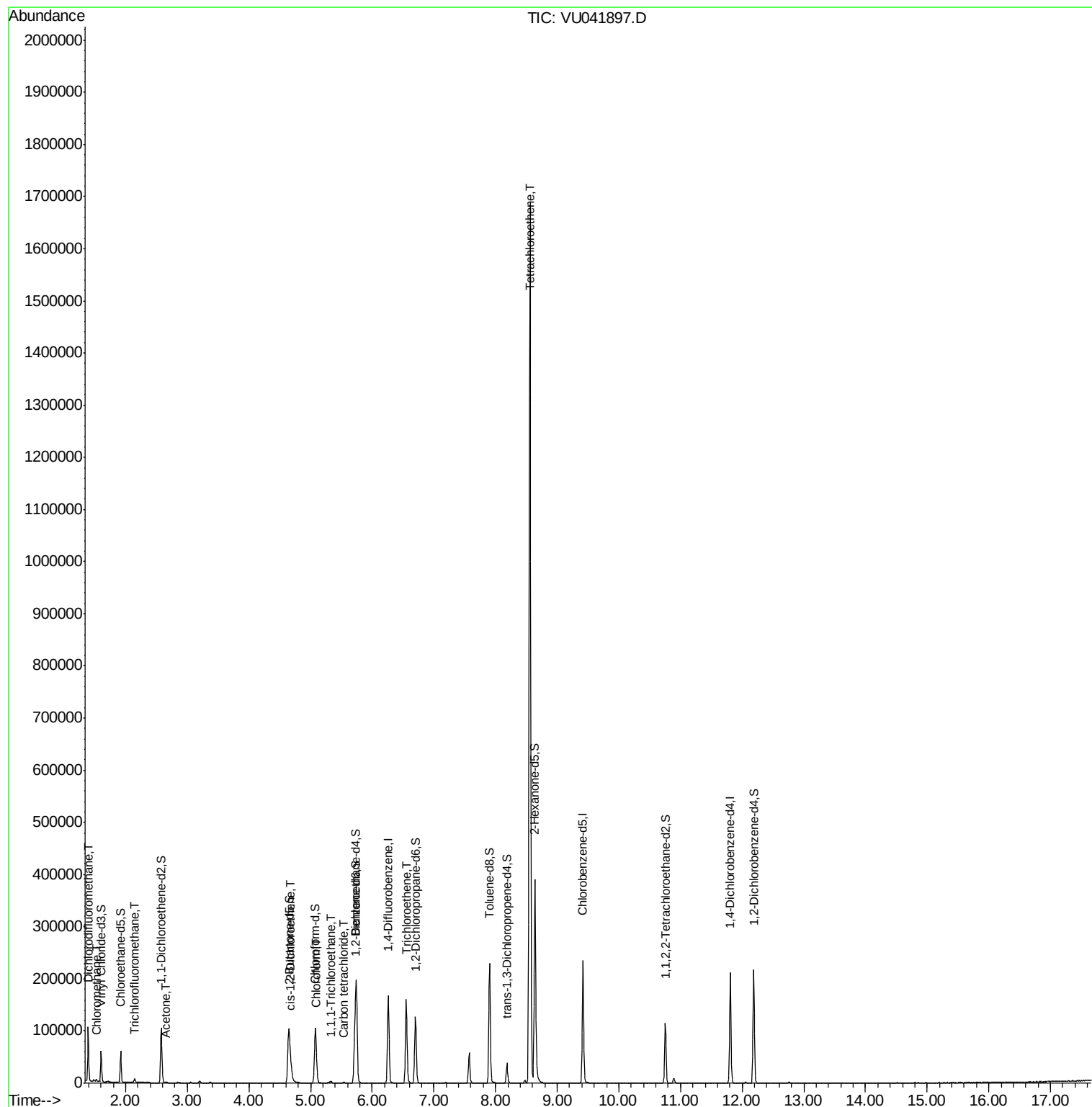
					Qvalue
2) Dichlorodifluoromethane	1.39	85	10160	0.855 ug/L	95
3) Chloromethane	1.52	50	2638	0.229 ug/L	94
9) Trichlorofluoromethane	2.15	101	4650	0.288 ug/L	94
13) Acetone	2.66	43	2569	1.282 ug/L	76
22) cis-1,2-Dichloroethene	4.68	96	6488	0.596 ug/L	94
25) Chloroform	5.11	83	4778	0.258 ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	2168	0.139 ug/L	96
31) Carbon tetrachloride	5.53	117	1038	0.077 ug/L #	80
34) Trichloroethene	6.55	95	56747	5.184 ug/L	98
47) Tetrachloroethene	8.56	164	391407	51.078 ug/L	96

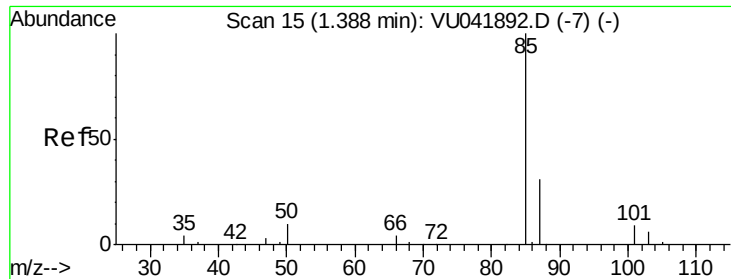
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jan 09 01:31:59 2021
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.855 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041897.D

Acq: 08 Jan 2021 12:02

Instrument :

MSVOA_U

ClientSampleId :

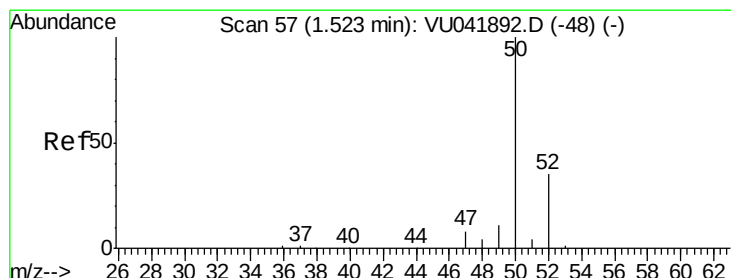
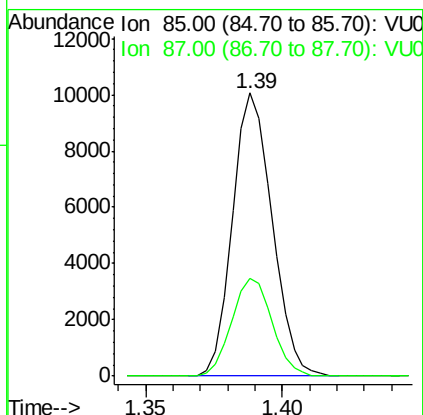
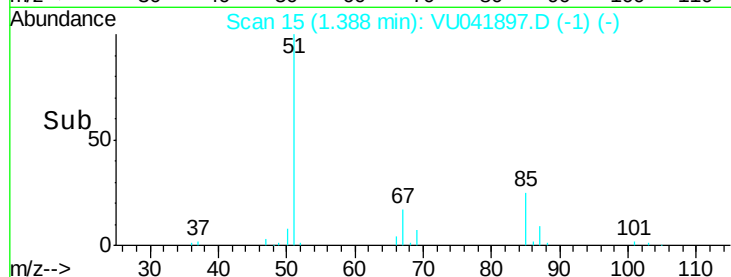
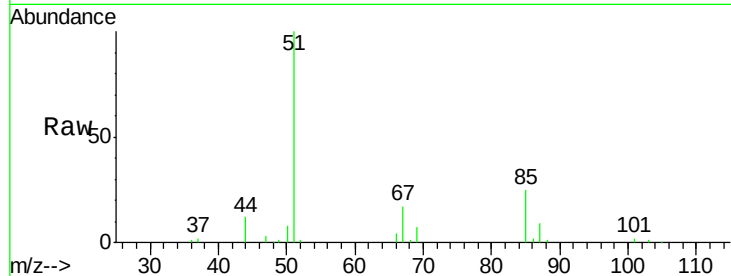
BFXM5

Tgt Ion: 85 Resp: 10160

Ion Ratio Lower Upper

85 100

87 35.2 25.8 38.6



#3

Chloromethane

Concen: 0.229 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041897.D

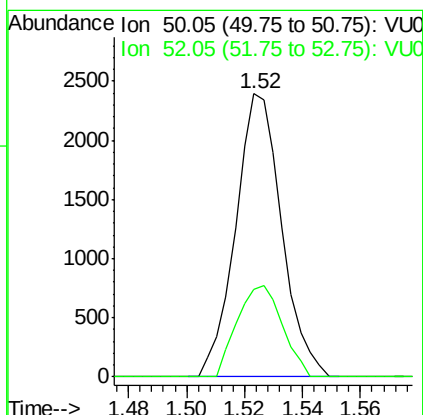
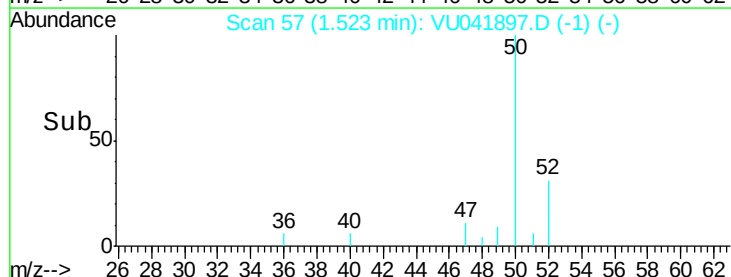
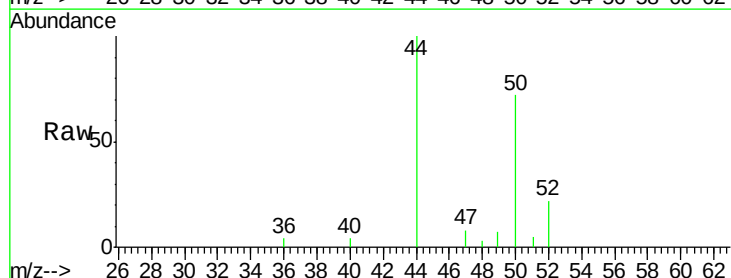
Acq: 08 Jan 2021 12:02

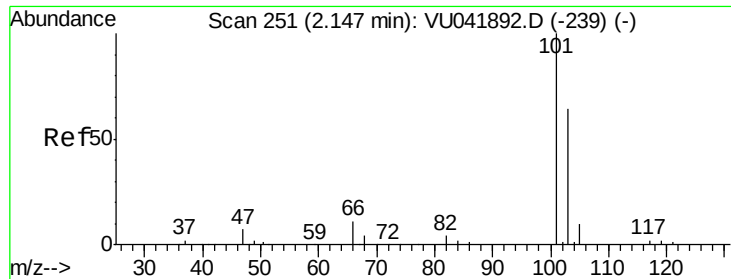
Tgt Ion: 50 Resp: 2638

Ion Ratio Lower Upper

50 100

52 31.1 24.1 44.8



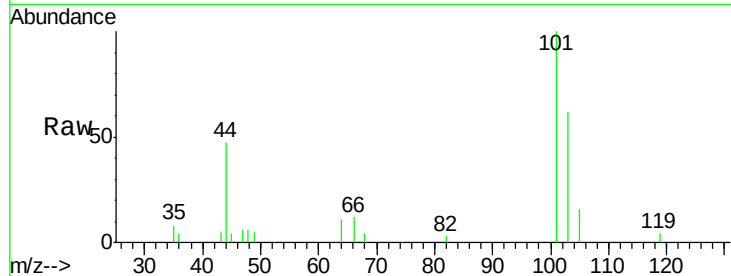


#9

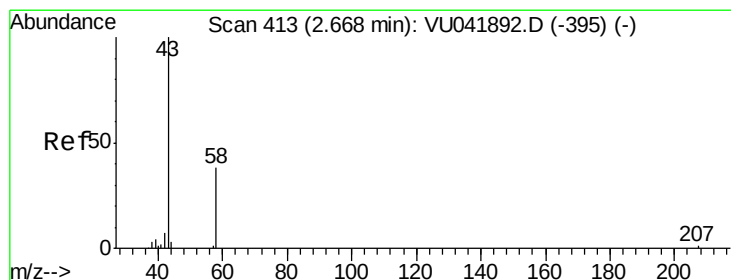
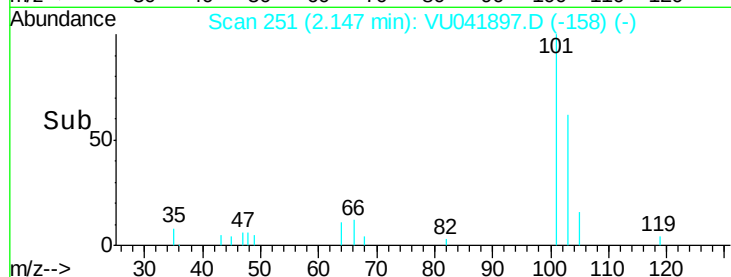
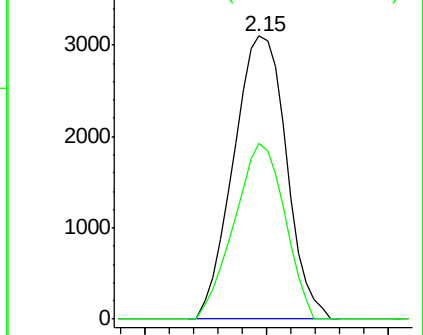
Trichlorofluoromethane
 Concen: 0.288 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VU041897.D
 Acq: 08 Jan 2021 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXM5

Tgt Ion: 101 Resp: 4650
 Ion Ratio Lower Upper
 101 100
 103 59.3 51.1 76.7



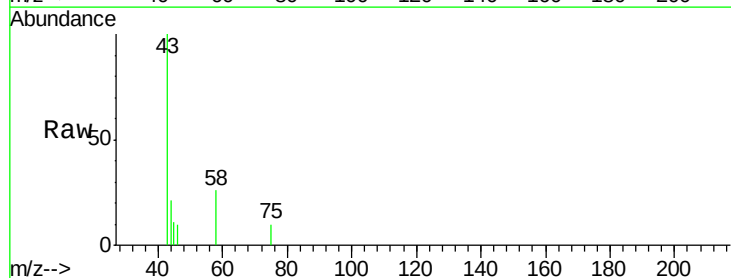
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



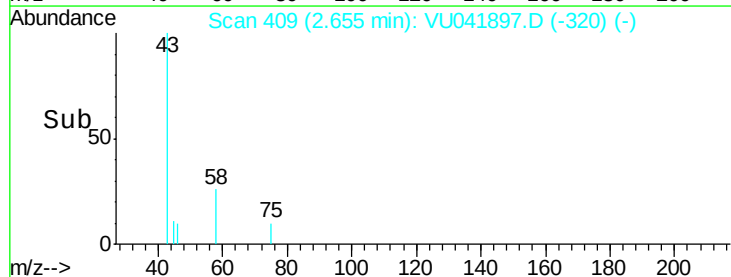
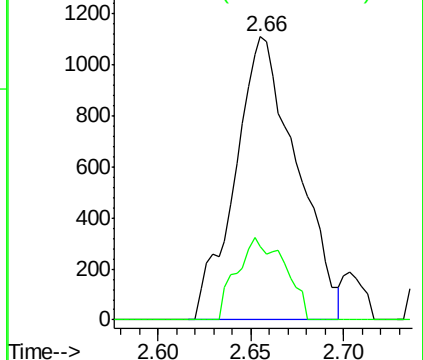
#13

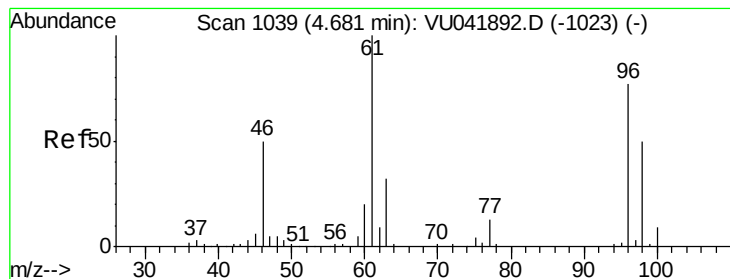
Acetone
 Concen: 1.282 ug/L
 RT: 2.66 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VU041897.D
 Acq: 08 Jan 2021 12:02

Tgt Ion: 43 Resp: 2569
 Ion Ratio Lower Upper
 43 100
 58 22.7 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.596 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041897.D

Acq: 08 Jan 2021 12:02

Instrument :

MSVOA_U

ClientSampleId :

BFXM5

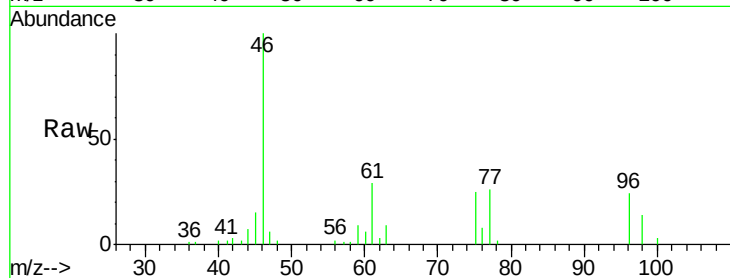
Tgt Ion: 96 Resp: 6488

Ion Ratio Lower Upper

96 100

61 120.5 88.8 165.0

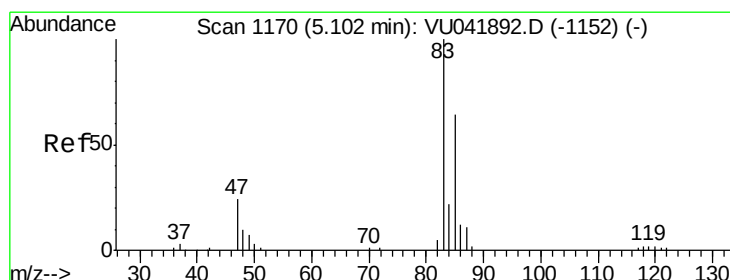
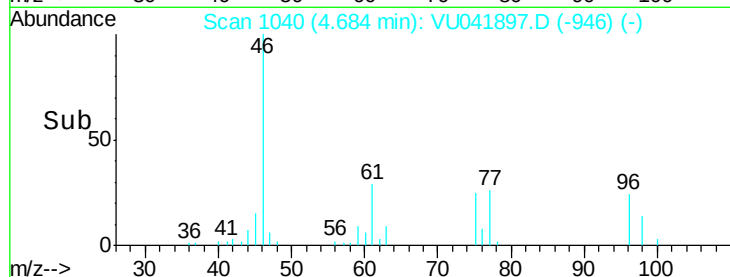
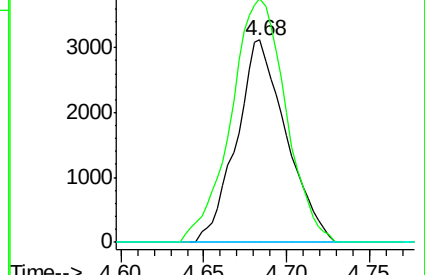
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041897.D (-1023) (-)

Ion 61.05 (60.75 to 61.75): VU041897.D (-1023) (-)

Ion 68.15 (67.85 to 68.85): VU041897.D (-1023) (-)



#25

Chloroform

Concen: 0.258 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU041897.D

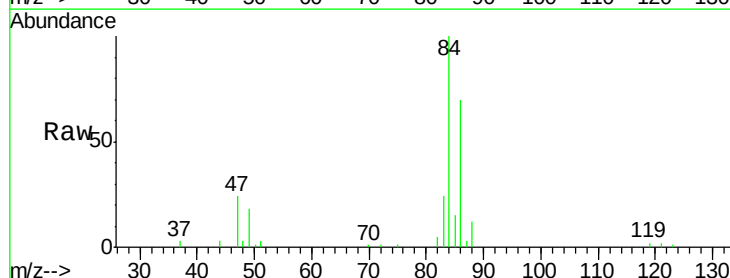
Acq: 08 Jan 2021 12:02

Tgt Ion: 83 Resp: 4778

Ion Ratio Lower Upper

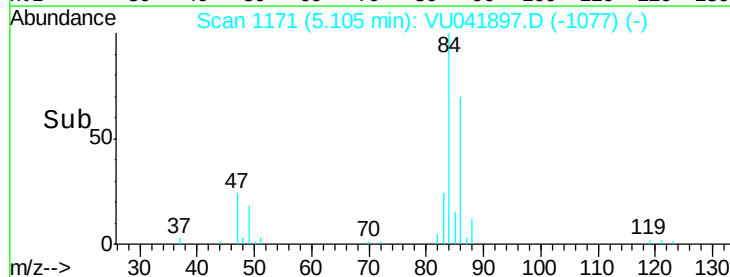
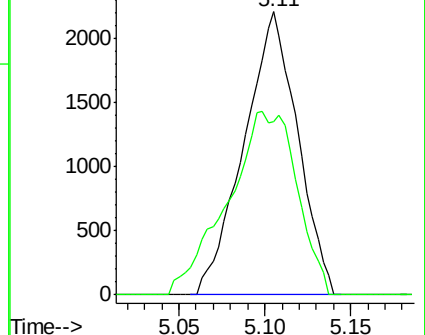
83 100

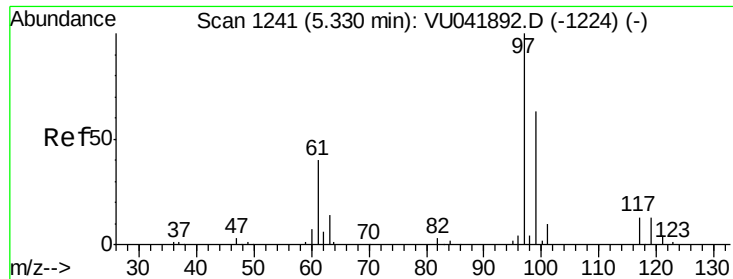
85 61.2 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VU041897.D (-1152) (-)

Ion 85.00 (84.70 to 85.70): VU041897.D (-1152) (-)

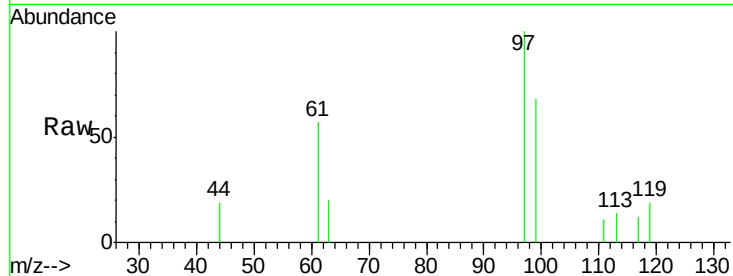




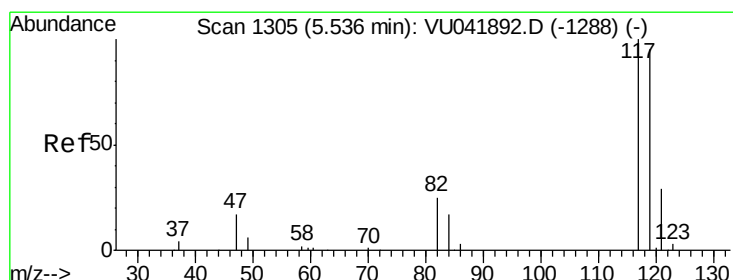
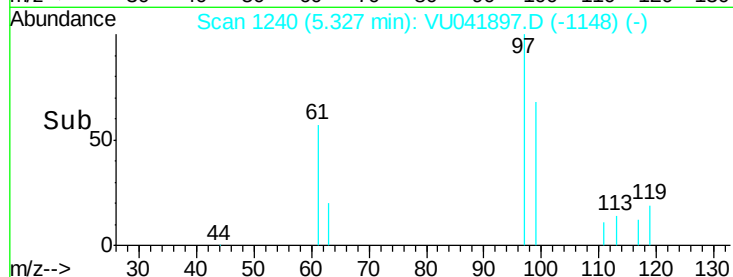
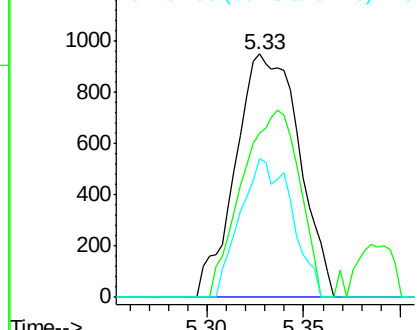
#29
 1,1,1-Trichloroethane
 Concen: 0.139 ug/L
 RT: 5.33 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VU041897.D
 Acq: 08 Jan 2021 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXM5

Tgt Ion: 97 Resp: 2168
 Ion Ratio Lower Upper
 97 100
 99 69.3 51.3 76.9
 61 46.3 36.5 54.7

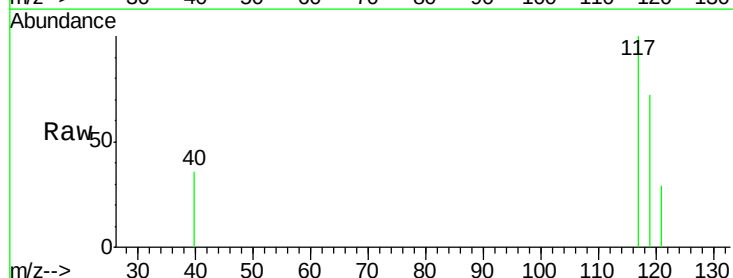


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

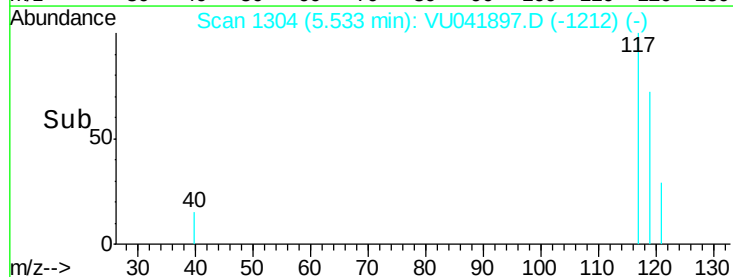
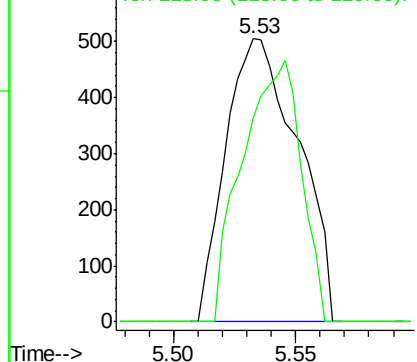


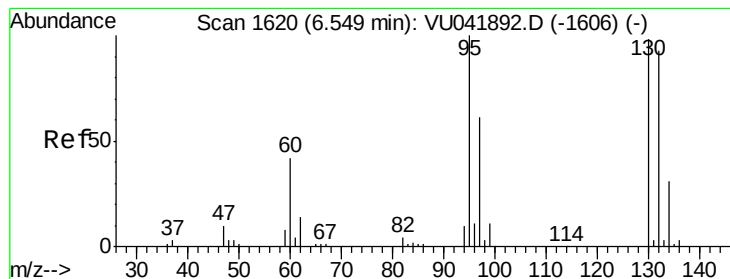
#31
 Carbon tetrachloride
 Concen: 0.077 ug/L
 RT: 5.53 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: VU041897.D
 Acq: 08 Jan 2021 12:02

Tgt Ion: 117 Resp: 1038
 Ion Ratio Lower Upper
 117 100
 119 75.3 76.2 114.2#



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V





#34

Trichloroethene

Concen: 5.184 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041897.D

Acq: 08 Jan 2021 12:02

Instrument :

MSVOA_U

ClientSampleId :

BFXM5

Tgt Ion: 95 Resp: 56747

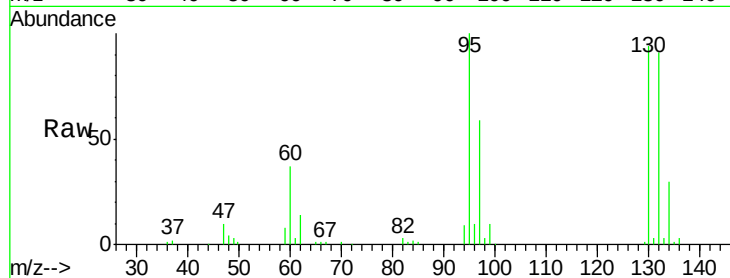
Ion Ratio Lower Upper

95 100

97 59.0 43.9 81.5

132 91.4 63.1 117.3

130 94.4 67.4 125.2



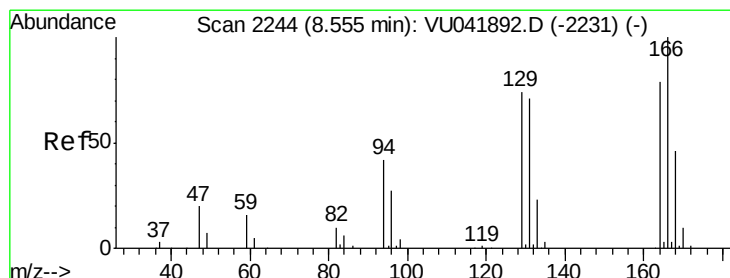
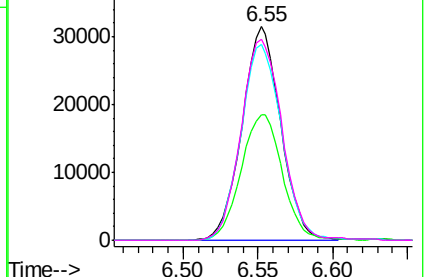
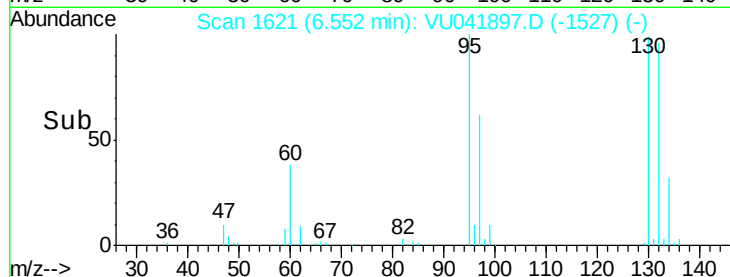
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Time-->



#47

Tetrachloroethene

Concen: 51.078 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041897.D

Acq: 08 Jan 2021 12:02

Tgt Ion: 164 Resp: 391407

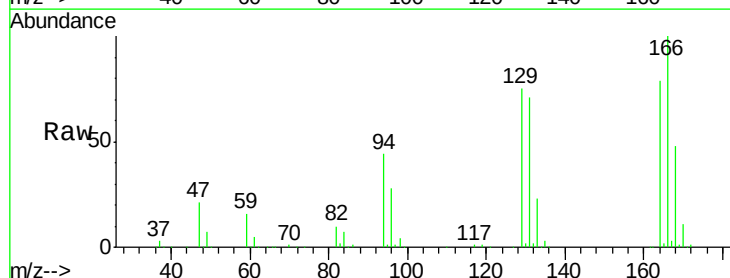
Ion Ratio Lower Upper

164 100

129 95.2 72.2 134.0

131 90.7 66.9 124.3

166 127.1 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

Time-->

