

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041933.D
 Acq On : 11 Jan 2021 20:18
 Operator : SY/MD
 Sample : M1026-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL4

Quant Time: Jan 12 03:29:26 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	106281	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	108346	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44324	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45968	5.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.60%
7) Chloroethane-d5	1.92	69	45120	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.80%
11) 1,1-Dichloroethene-d2	2.58	63	65337	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.00%
20) 2-Butanone-d5	4.66	46	145366	58.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.78%
24) Chloroform-d	5.08	84	84721	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.72	65	51005	5.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.40%
32) Benzene-d6	5.74	84	168486	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
36) 1,2-Dichloropropane-d6	6.70	67	50254	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.90	98	132809	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	8.19	79	20383	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.64	63	120786	56.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.76%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45823	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	47760	5.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	76534	7.445	ug/L	96
3) Chloromethane	1.52	50	1248	0.112	ug/L #	76
9) Trichlorofluoromethane	2.15	101	3434	0.219	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	621	0.073	ug/L #	29
12) 1,1-Dichloroethene	2.58	96	552	0.067	ug/L #	1
16) Methylene chloride	3.06	84	1379	0.132	ug/L	88
17) Methyl tert-butyl Ether	3.38	73	11260	0.566	ug/L	97
19) 1,1-Dichloroethane	3.89	63	8426	0.557	ug/L	97
25) Chloroform	5.11	83	4603	0.292	ug/L	92
27) 1,2-Dichloroethane	5.75	62	997	0.099	ug/L #	73
29) 1,1,1-Trichloroethane	5.33	97	1292	0.091	ug/L #	74
34) Trichloroethene	6.55	95	15335	1.673	ug/L	91
35) Methylcyclohexane	6.70	83	11892	0.883	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	5205	0.598	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1222	0.095	ug/L #	74
44) trans-1,3-Dichloropropene	8.19	75	660	0.058	ug/L #	73
47) Tetrachloroethene	8.56	164	3257	0.511	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
Data File : VU041933.D
Acq On : 11 Jan 2021 20:18
Operator : SY/MD
Sample : M1026-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXL4

Quant Time: Jan 12 03:29:26 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

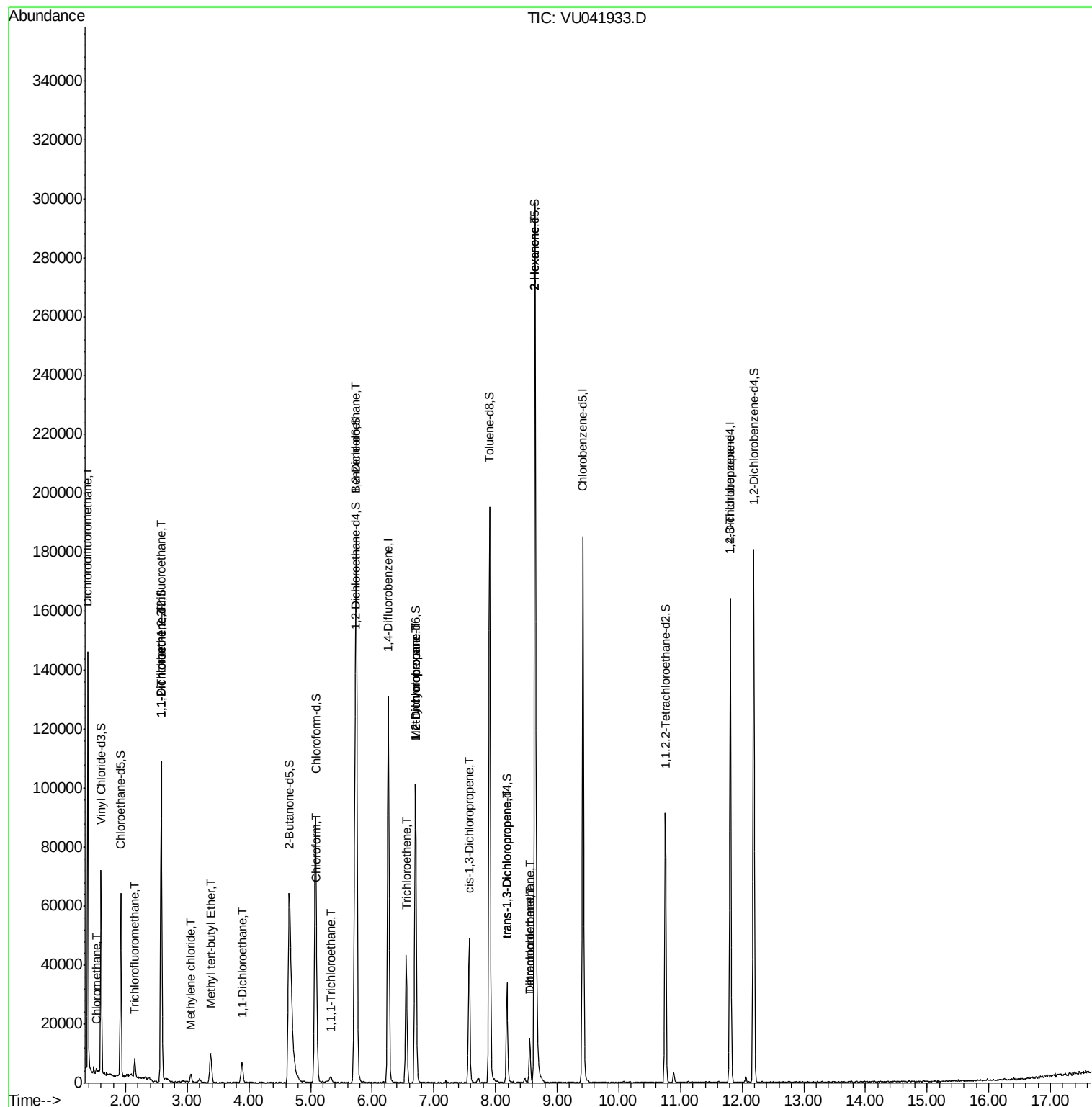
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.64	43	14295	3.508	ug/L #	66
49) Dibromochloromethane	8.56	129	3201	0.394	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5040	0.792	ug/L	91

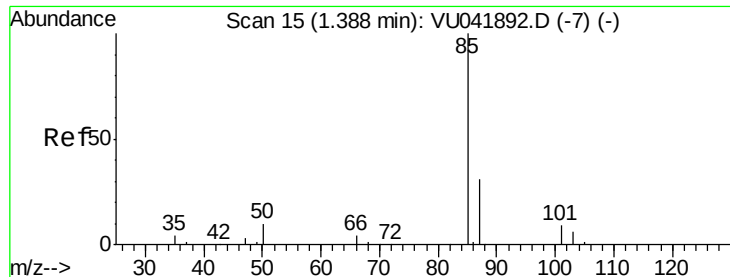
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
Data File : VU041933.D
Acq On : 11 Jan 2021 20:18
Operator : SY/MD
Sample : M1026-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXL4

Quant Time: Jan 12 03:29:26 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: 7.445 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041933.D

Acq: 11 Jan 2021 20:18

Instrument :

MSVOA_U

ClientSampleId :

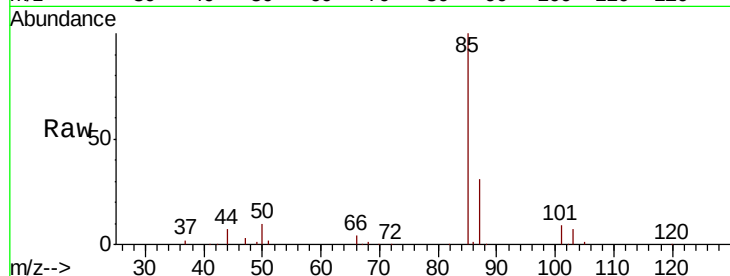
BFXL4

Tot Ion: 85 Resp: 76534

Ion Ratio Lower Upper

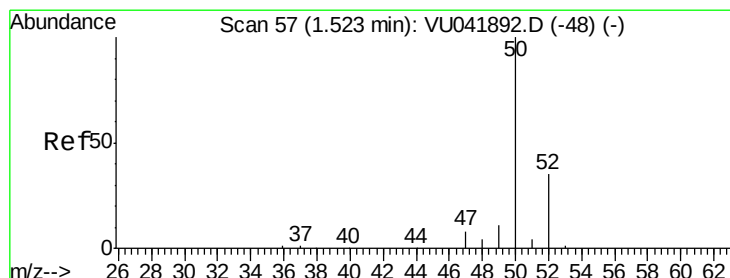
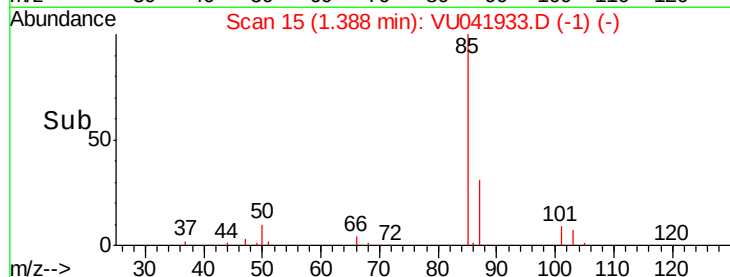
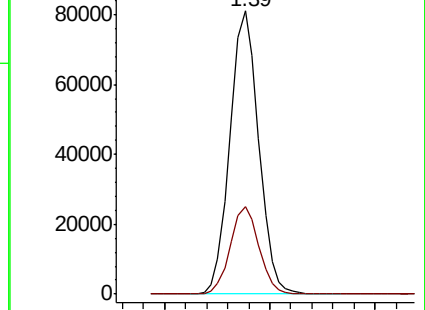
85 100

87 30.8 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU041933.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU041933.D (-1) (-)



#3

Chloromethane

Concen: 0.112 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041933.D

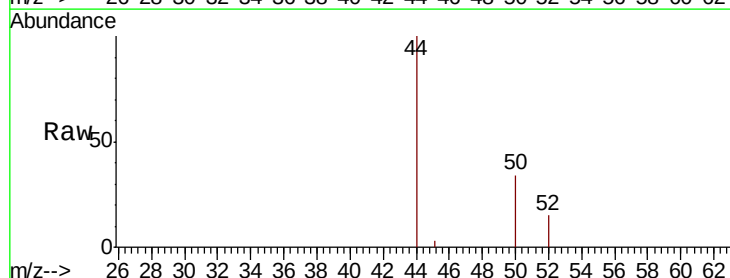
Acq: 11 Jan 2021 20:18

Tgt Ion: 50 Resp: 1248

Ion Ratio Lower Upper

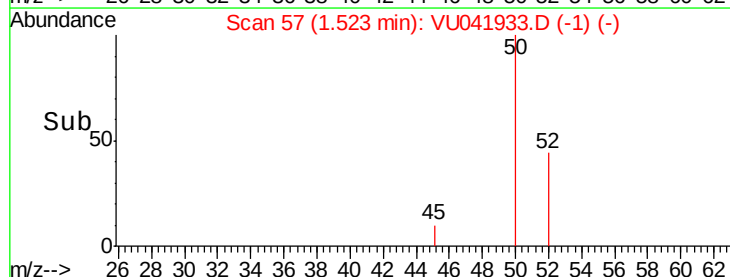
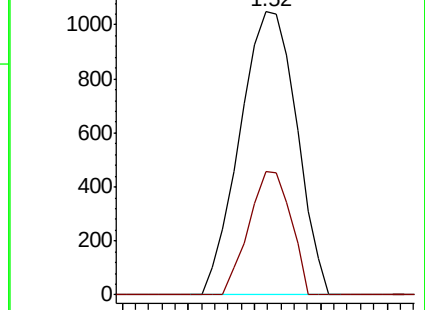
50 100

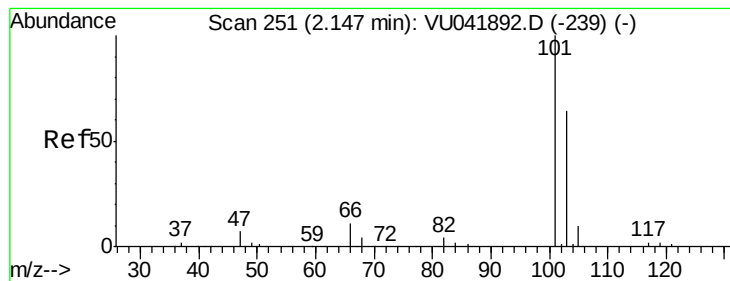
52 43.6 21.4 39.8#



Abundance Ion 50.05 (49.75 to 50.75): VU041933.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU041933.D (-1) (-)



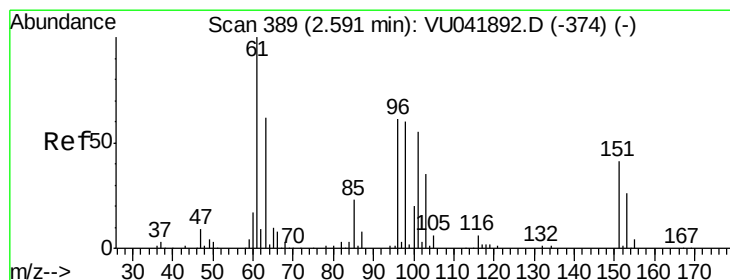
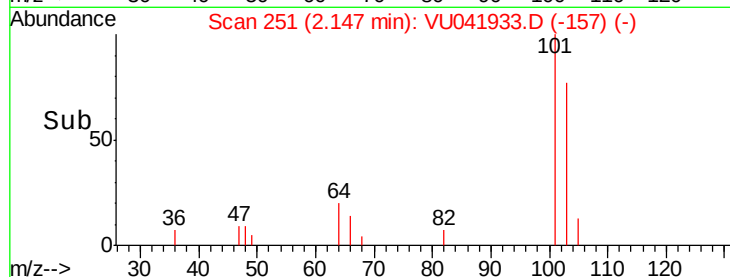
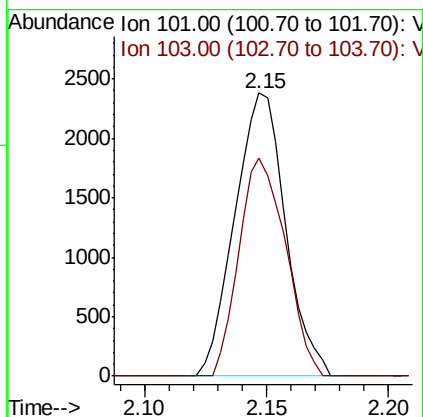
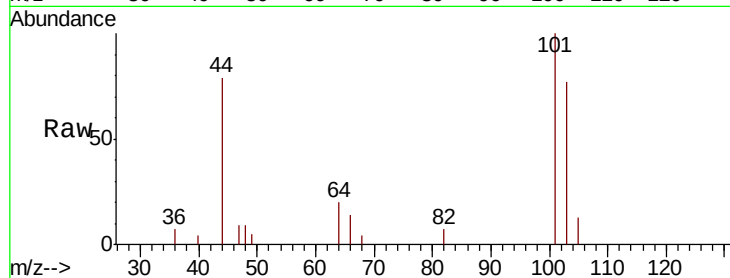


#9

Trichlorofluoromethane
Concen: 0.219 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041933.D
Acq: 11 Jan 2021 20:18

Instrument :
MSVOA_U
ClientSampled :
BFXL4

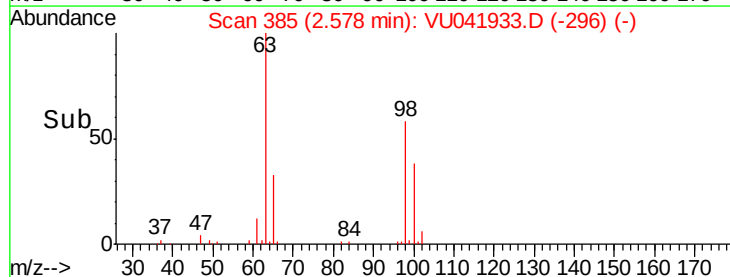
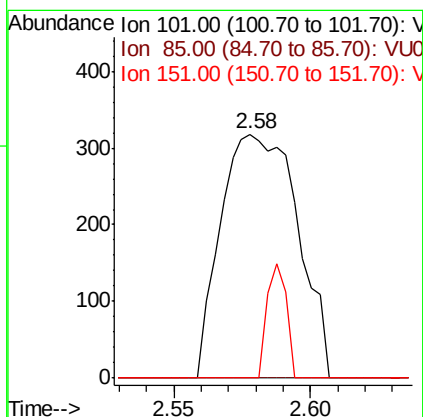
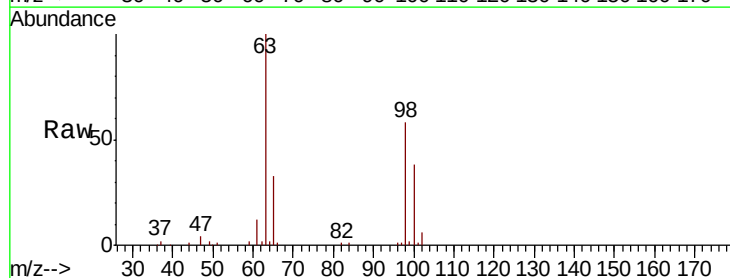
Tot Ion:101 Resp: 3434
Ion Ratio Lower Upper
101 100
103 70.7 51.3 76.9

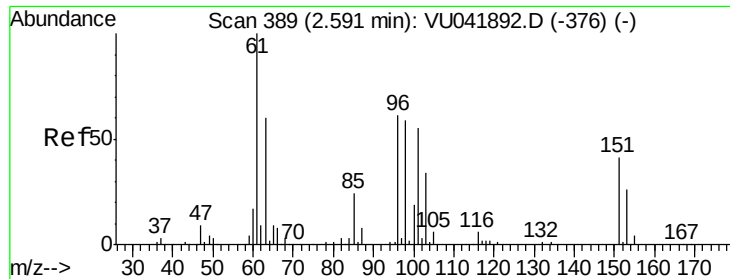


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.073 ug/L
RT: 2.58 min Scan# 385
Delta R.T. -0.01 min
Lab File: VU041933.D
Acq: 11 Jan 2021 20:18

Tgt Ion:101 Resp: 621
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 11.6 58.2 87.2#

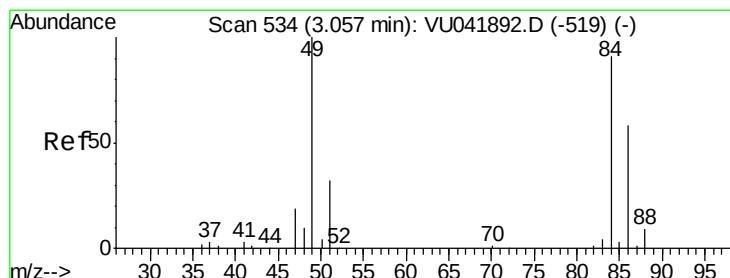
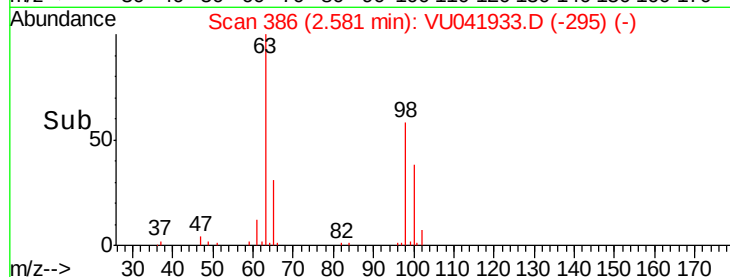
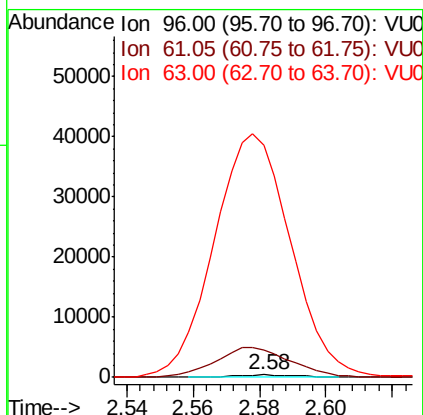
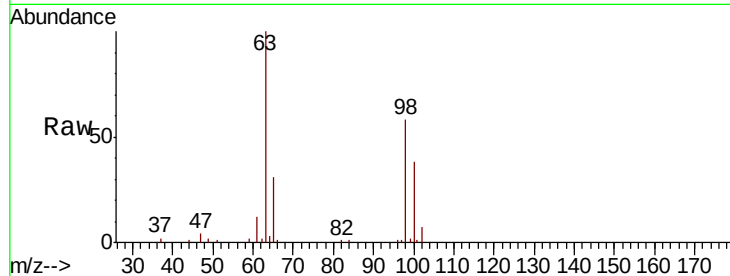




#12
 1,1-Dichloroethene
 Concen: 0.067 ug/L
 RT: 2.58 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VU041933.D
 Acq: 11 Jan 2021 20:18

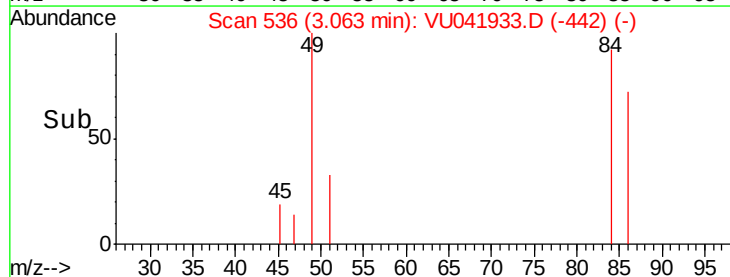
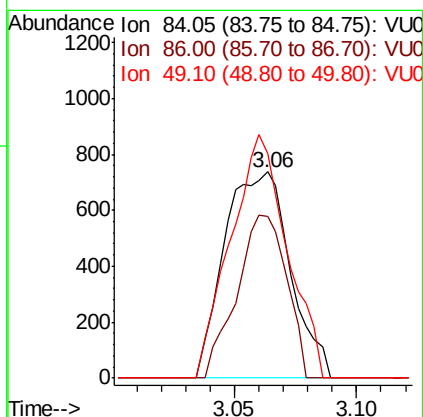
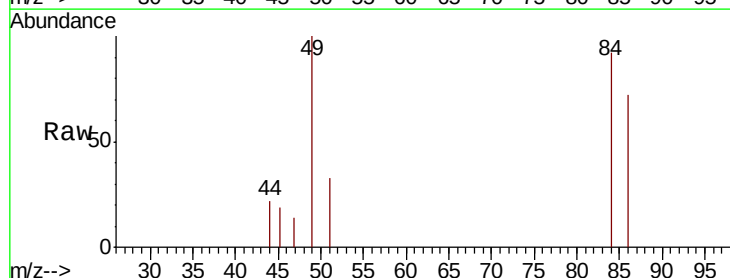
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL4

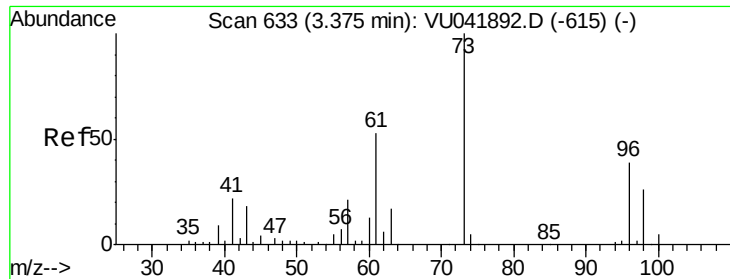
Tot Ion: 96 Resp: 552
 Ion Ratio Lower Upper
 96 100
 61 1048.7 123.5 229.4#
 63 8899.8 93.5 173.7#



#16
 Methylene chloride
 Concen: 0.132 ug/L
 RT: 3.06 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VU041933.D
 Acq: 11 Jan 2021 20:18

Tgt Ion: 84 Resp: 1379
 Ion Ratio Lower Upper
 84 100
 86 78.5 43.5 80.7
 49 108.8 81.8 151.8

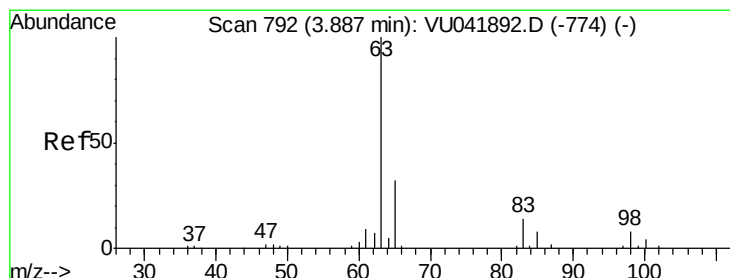
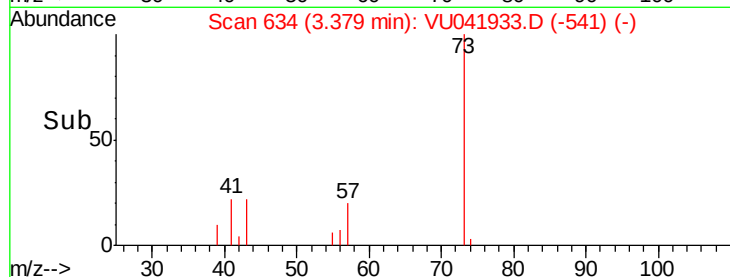
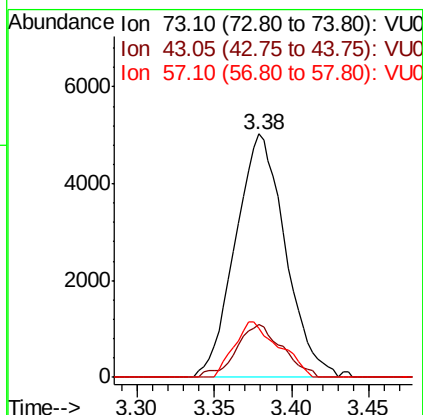
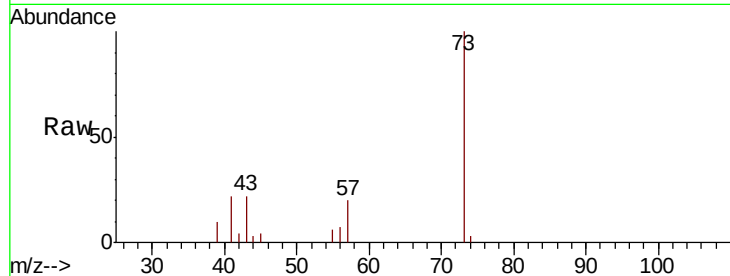




#17
Methyl tert-butyl Ether
Concen: 0.566 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041933.D
Acq: 11 Jan 2021 20:18

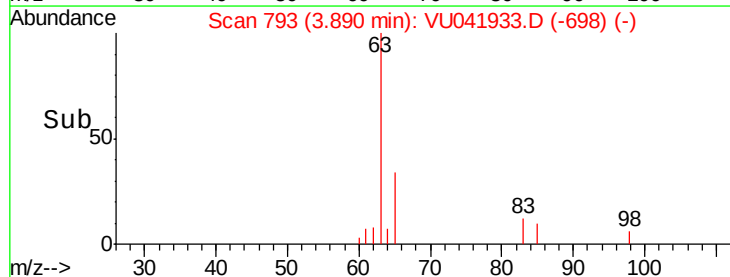
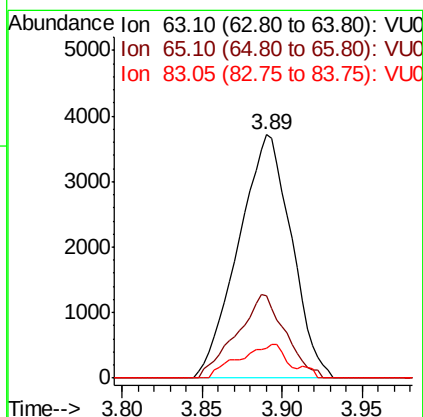
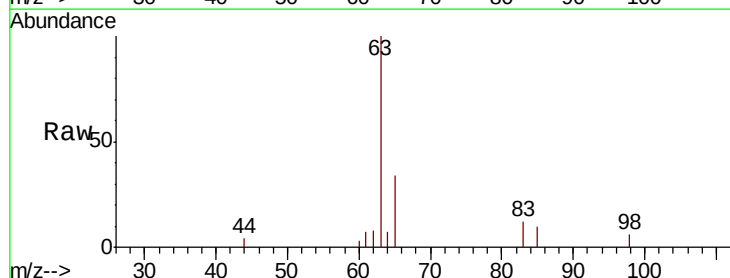
Instrument :
MSVOA_U
ClientSampleId :
BFXL4

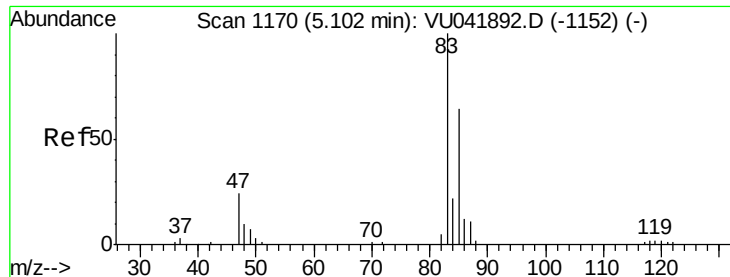
Tot Ion: 73 Resp: 11260
Ion Ratio Lower Upper
73 100
43 20.0 15.8 23.8
57 20.4 18.3 27.5



#19
1,1-Dichloroethane
Concen: 0.557 ug/L
RT: 3.89 min Scan# 793
Delta R.T. 0.01 min
Lab File: VU041933.D
Acq: 11 Jan 2021 20:18

Tgt Ion: 63 Resp: 8426
Ion Ratio Lower Upper
63 100
65 33.6 22.3 41.5
83 12.3 9.0 16.8

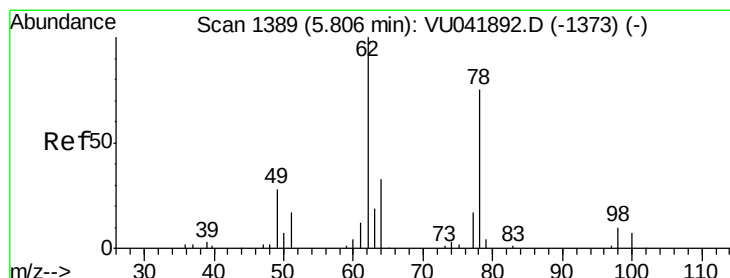
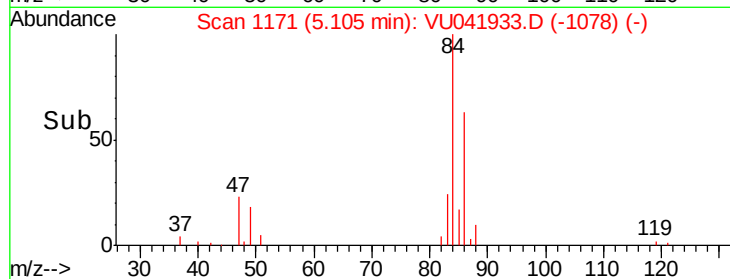
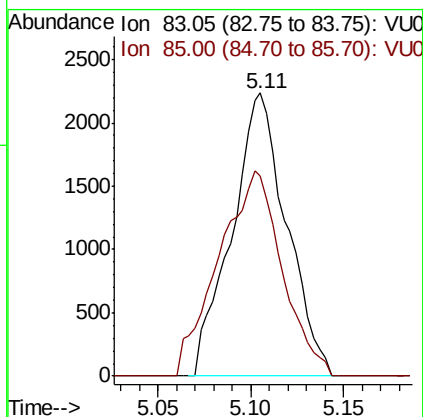
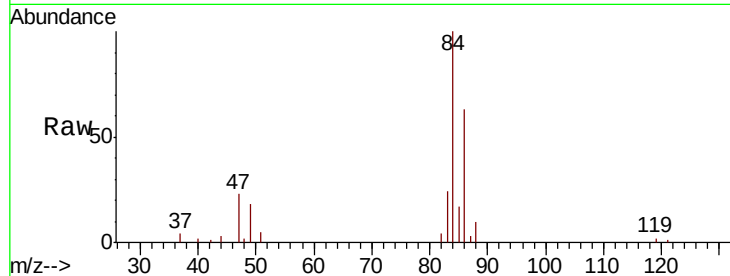




#25
Chloroform
Concen: 0.292 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041933.D
Acq: 11 Jan 2021 20:18

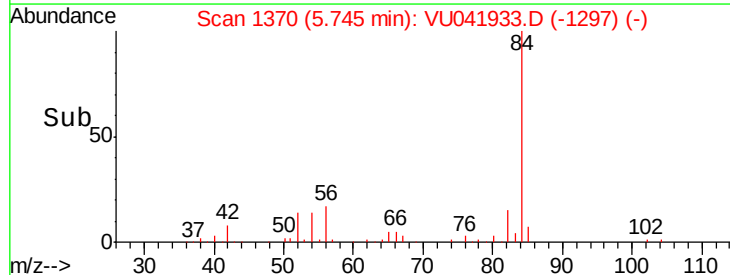
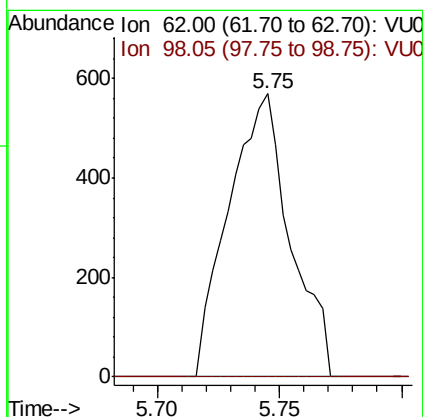
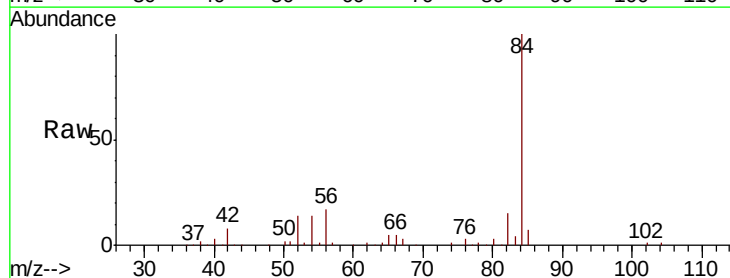
Instrument :
MSVOA_U
ClientSampleId :
BFXL4

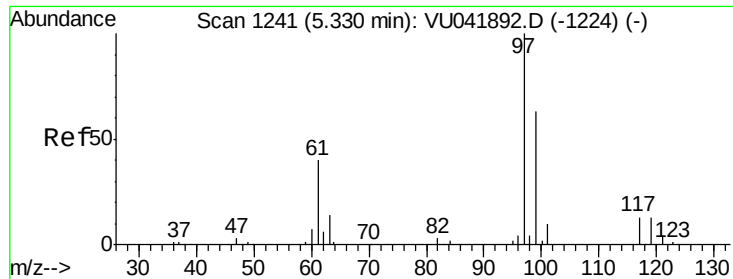
Tot Ion: 83 Resp: 4603
Ion Ratio Lower Upper
83 100
85 70.6 45.1 83.9



#27
1,2-Dichloroethane
Concen: 0.099 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041933.D
Acq: 11 Jan 2021 20:18

Tgt Ion: 62 Resp: 997
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.8#

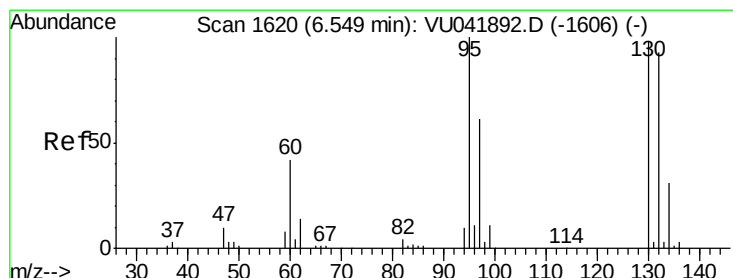
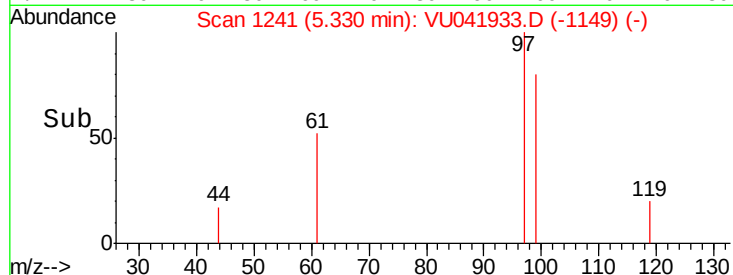
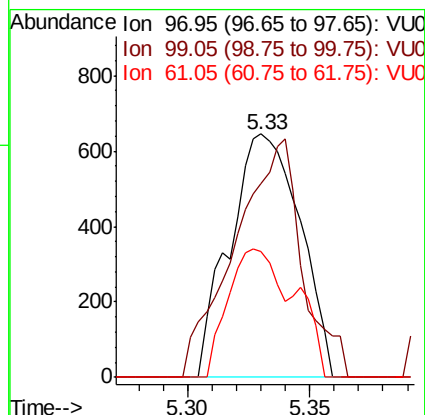
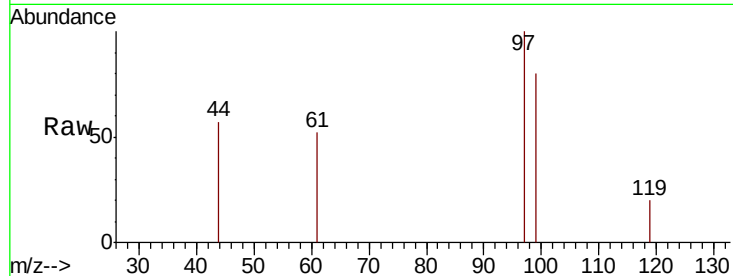




#29
 1,1,1-Trichloroethane
 Concen: 0.091 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041933.D
 Acq: 11 Jan 2021 20:18

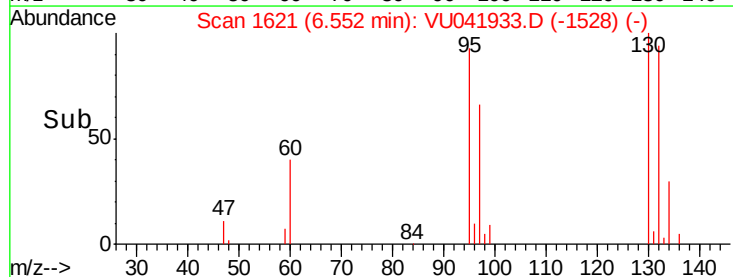
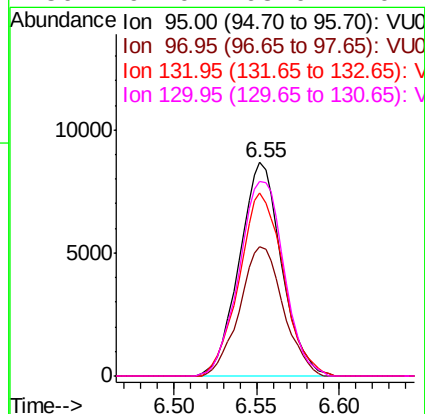
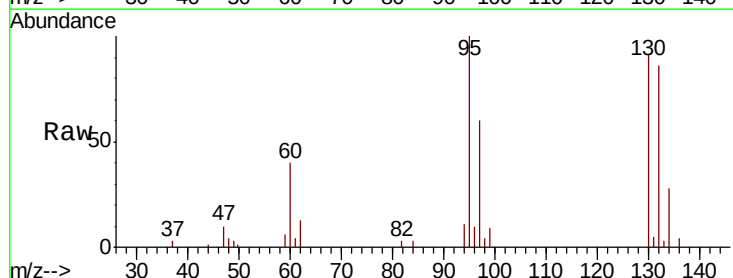
Instrument :
 MSVOA_U
 ClientSampled :
 BFXL4

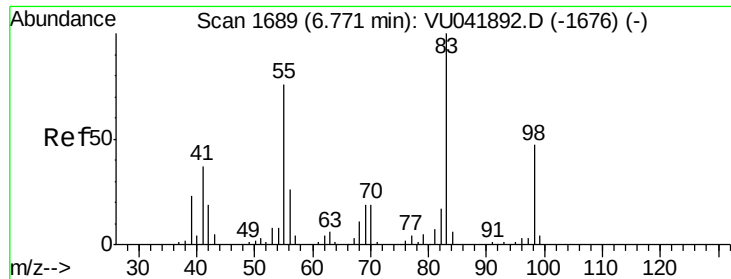
Tot Ion: 97 Resp: 1292
 Ion Ratio Lower Upper
 97 100
 99 93.9 51.4 77.2#
 61 38.0 35.3 52.9



#34
 Trichloroethene
 Concen: 1.673 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041933.D
 Acq: 11 Jan 2021 20:18

Tgt Ion: 95 Resp: 15335
 Ion Ratio Lower Upper
 95 100
 97 60.3 45.2 84.0
 132 85.5 68.7 127.5
 130 91.0 68.0 126.4

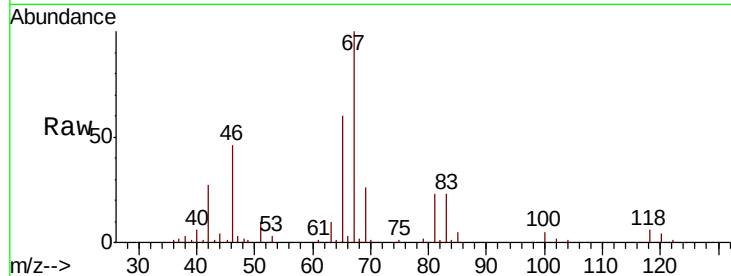




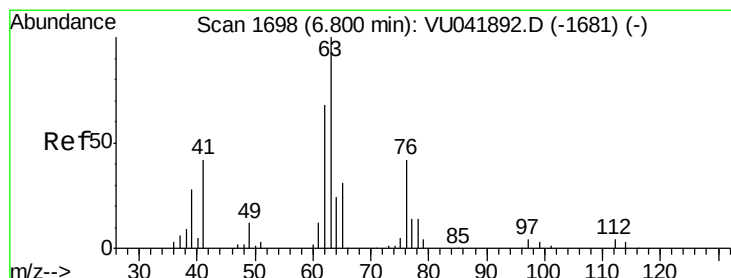
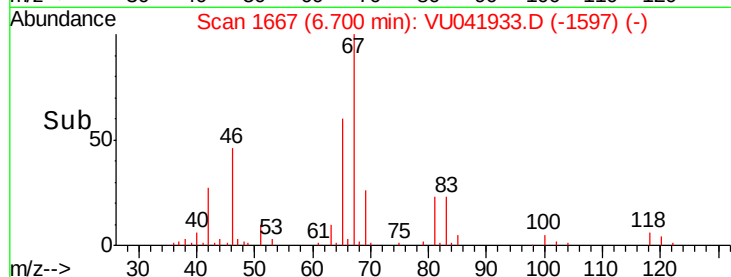
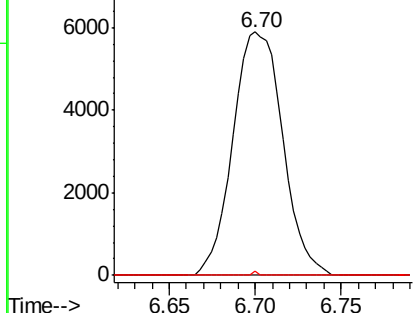
#35
Methylvlcyclohexane
Concen: 0.883 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041933.D
Acq: 11 Jan 2021 20:18

Instrument :
MSVOA_U
ClientSampleId :
BFXL4

Tot Ion	83.15	Resp	11892
Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.3	96.5#
98	0.4	36.6	54.8#

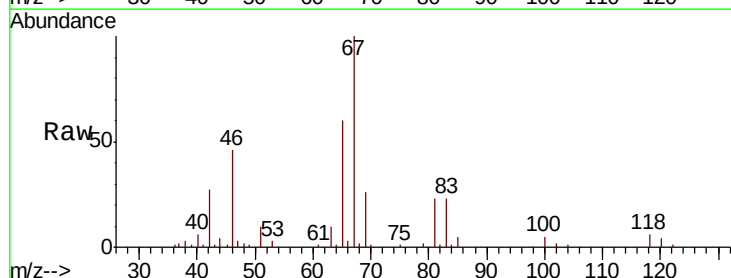


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

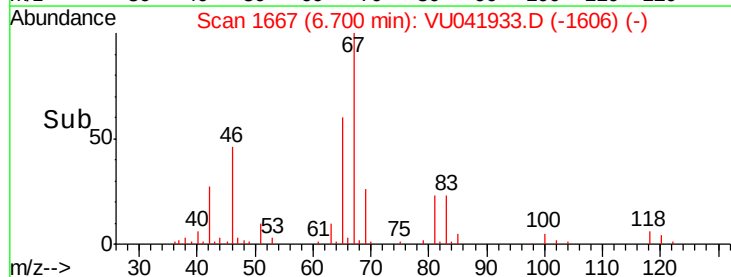
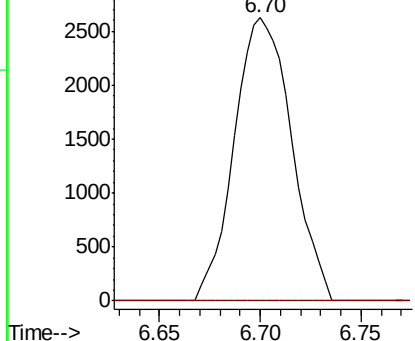


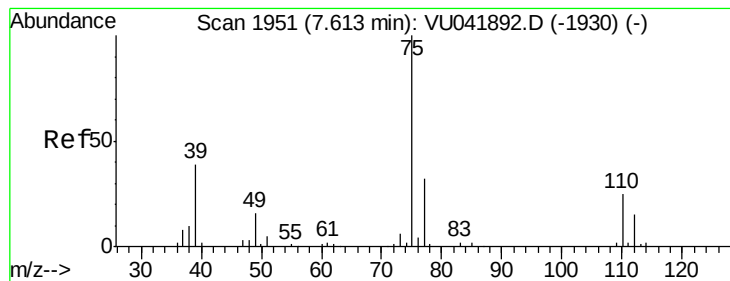
#37
1,2-Dichloropropane
Concen: 0.598 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041933.D
Acq: 11 Jan 2021 20:18

Tgt Ion	63	Resp	5205
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



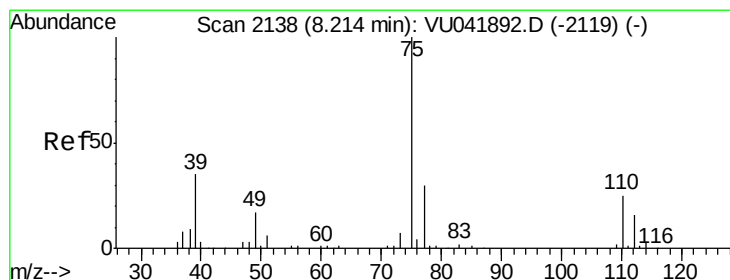
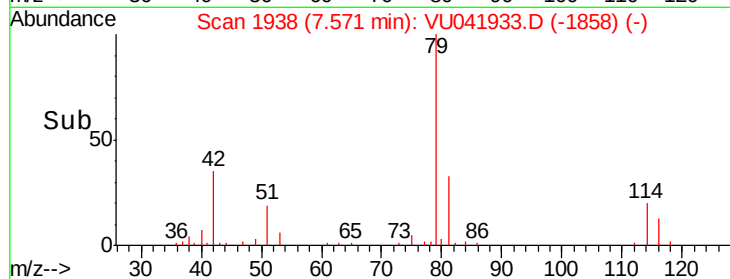
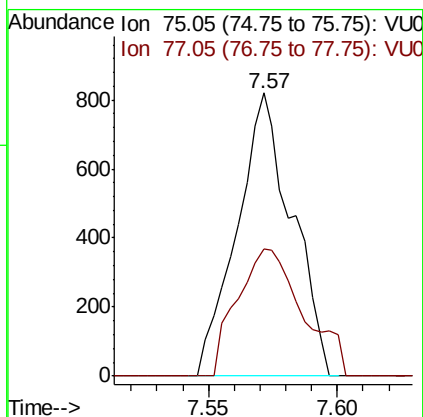
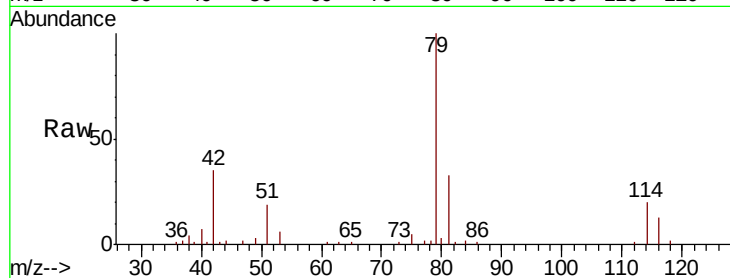


#39

cis-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 7.57 min Scan# 1938
Delta R.T. -0.04 min
Lab File: VU041933.D
Acq: 11 Jan 2021 20:18

Instrument :
MSVOA_U
ClientSampleId :
BFXL4

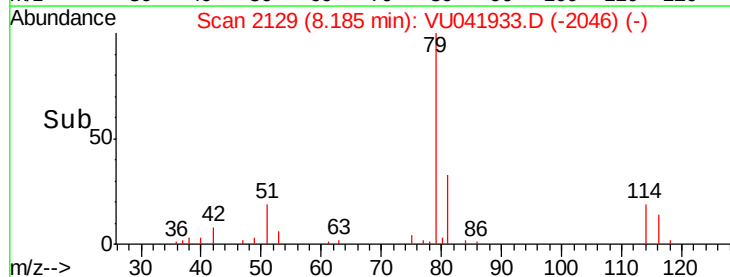
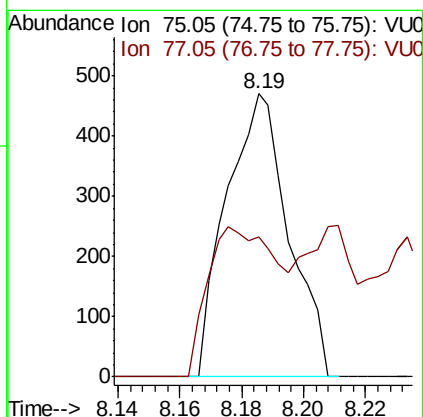
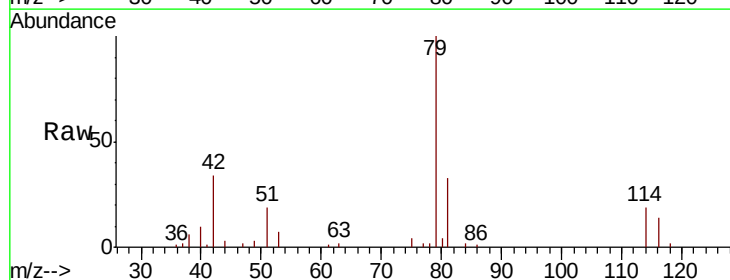
Tot Ion: 75 Resp: 1222
Ion Ratio Lower Upper
75 100
77 45.0 21.5 39.9#

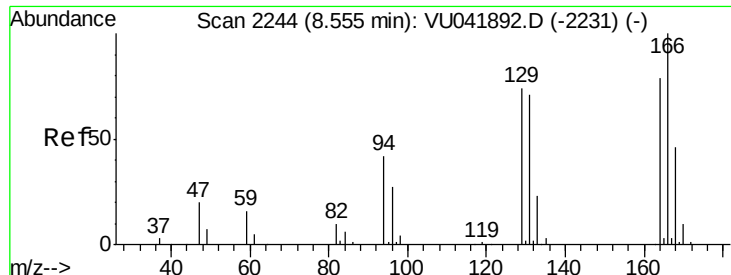


#44

trans-1,3-Dichloropropene
Concen: 0.058 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041933.D
Acq: 11 Jan 2021 20:18

Tgt Ion: 75 Resp: 660
Ion Ratio Lower Upper
75 100
77 49.6 23.7 44.1#





#47

Tetrachloroethene

Concen: 0.511 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041933.D

Acq: 11 Jan 2021 20:18

Instrument :

MSVOA_U

ClientSampleId :

BFXL4

Tot Ion:164 Resp: 3257

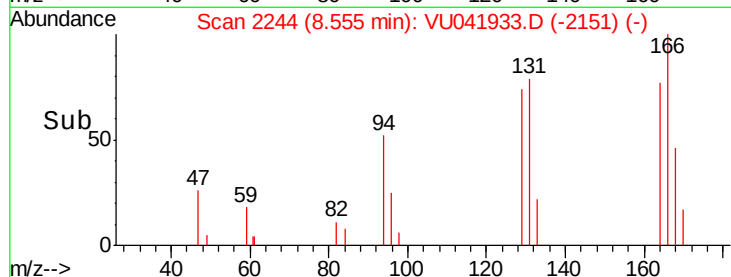
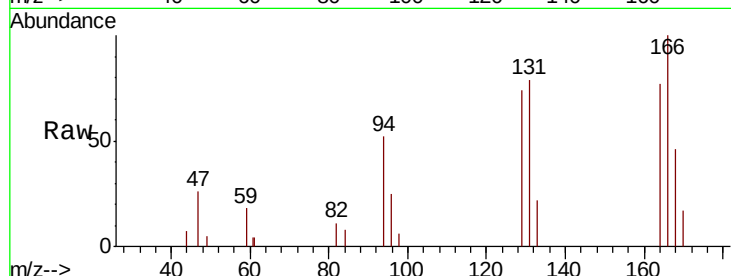
Ion Ratio Lower Upper

164 100

129 97.3 69.2 128.6

131 102.8 69.7 129.5

166 130.6 89.2 165.8

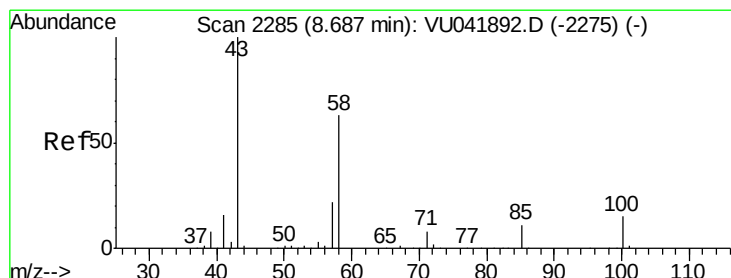
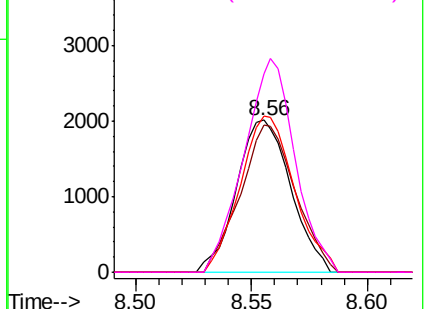


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.508 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041933.D

Acq: 11 Jan 2021 20:18

Tgt Ion: 43 Resp: 14295

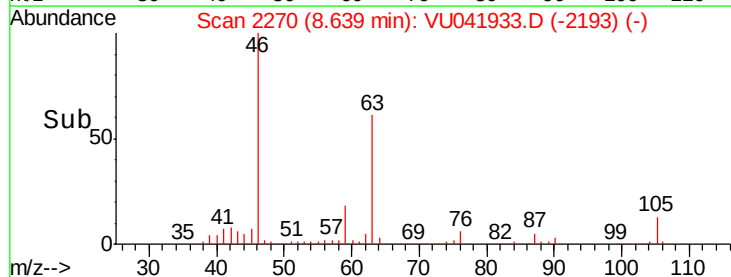
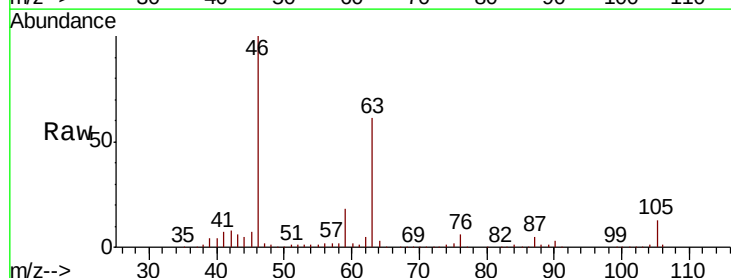
Ion Ratio Lower Upper

43 100

58 28.2 47.6 71.4#

57 29.0 17.1 25.7#

100 1.1 10.4 15.6#

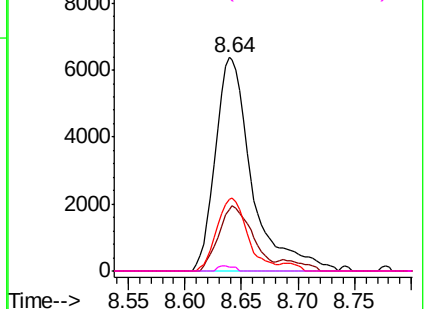


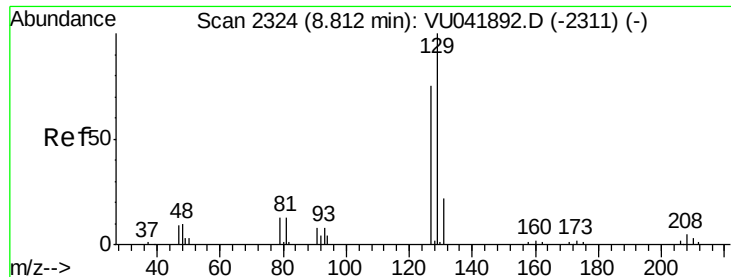
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

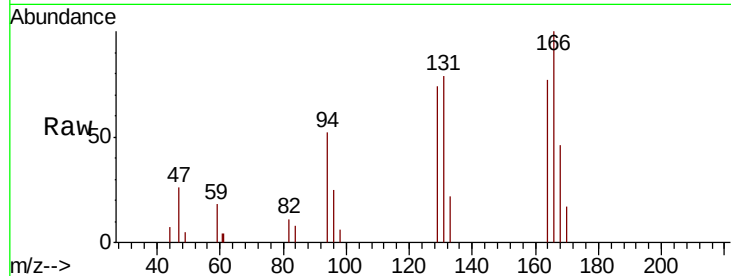




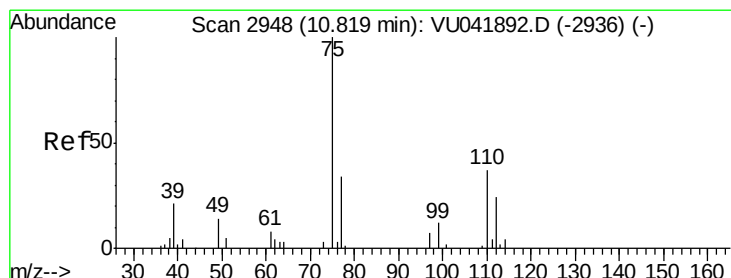
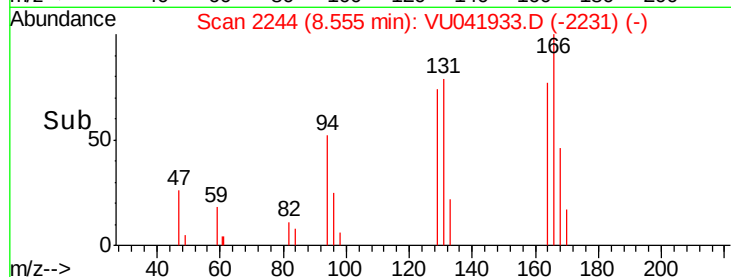
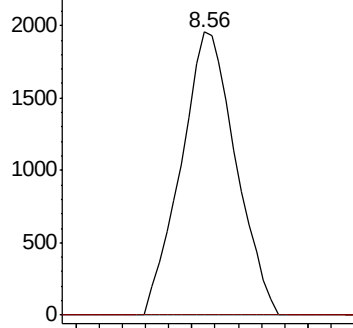
#49
Dibromochloromethane
Concen: 0.394 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041933.D
Acq: 11 Jan 2021 20:18

Instrument :
MSVOA_U
ClientSampled :
BFXL4

Tot Ion:129 Resp: 3201
Ion Ratio Lower Upper
129 100
127 0.0 54.9 101.9#

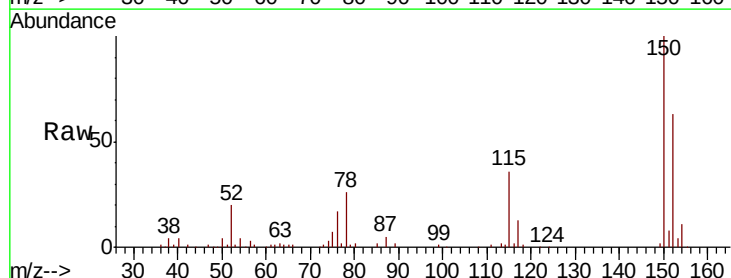


Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#59
1,2,3-Trichloropropane
Concen: 0.792 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU041933.D
Acq: 11 Jan 2021 20:18

Tgt Ion: 75 Resp: 5040
Ion Ratio Lower Upper
75 100
77 28.7 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

