

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041934.D
 Acq On : 11 Jan 2021 20:42
 Operator : SY/MD
 Sample : M1026-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL5

Quant Time: Jan 12 03:29:41 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	110133	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	111130	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47762	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	44286	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.92	69	44722	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.58	63	68708	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	4.66	46	147881	57.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.66%
24) Chloroform-d	5.08	84	83919	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.72	65	49435	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.74	84	159332	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.70	67	50707	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.90	98	132667	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	8.19	79	20527	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.64	63	121339	55.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.42%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48607	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	48810	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	7961	0.747 ug/L	99
3) Chloromethane	1.52	50	1308	0.113 ug/L	88
9) Trichlorofluoromethane	2.15	101	1494	0.092 ug/L	85
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	598	0.068 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	536	0.062 ug/L #	1
13) Acetone	2.67	43	1577	0.941 ug/L	90
17) Methyl tert-butyl Ether	3.38	73	36746	1.782 ug/L	99
19) 1,1-Dichloroethane	3.89	63	3038	0.194 ug/L	95
25) Chloroform	5.11	83	14631	0.896 ug/L	92
27) 1,2-Dichloroethane	5.74	62	811	0.077 ug/L #	73
29) 1,1,1-Trichloroethane	5.33	97	1075	0.074 ug/L #	81
34) Trichloroethene	6.55	95	14041	1.493 ug/L	97
35) Methylcyclohexane	6.70	83	11758	0.851 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5423	0.607 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1084	0.082 ug/L #	19
44) trans-1,3-Dichloropropene	8.18	75	667	0.057 ug/L #	68
47) Tetrachloroethene	8.56	164	2897	0.443 ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
Data File : VU041934.D
Acq On : 11 Jan 2021 20:42
Operator : SY/MD
Sample : M1026-12
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXL5

Quant Time: Jan 12 03:29:41 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

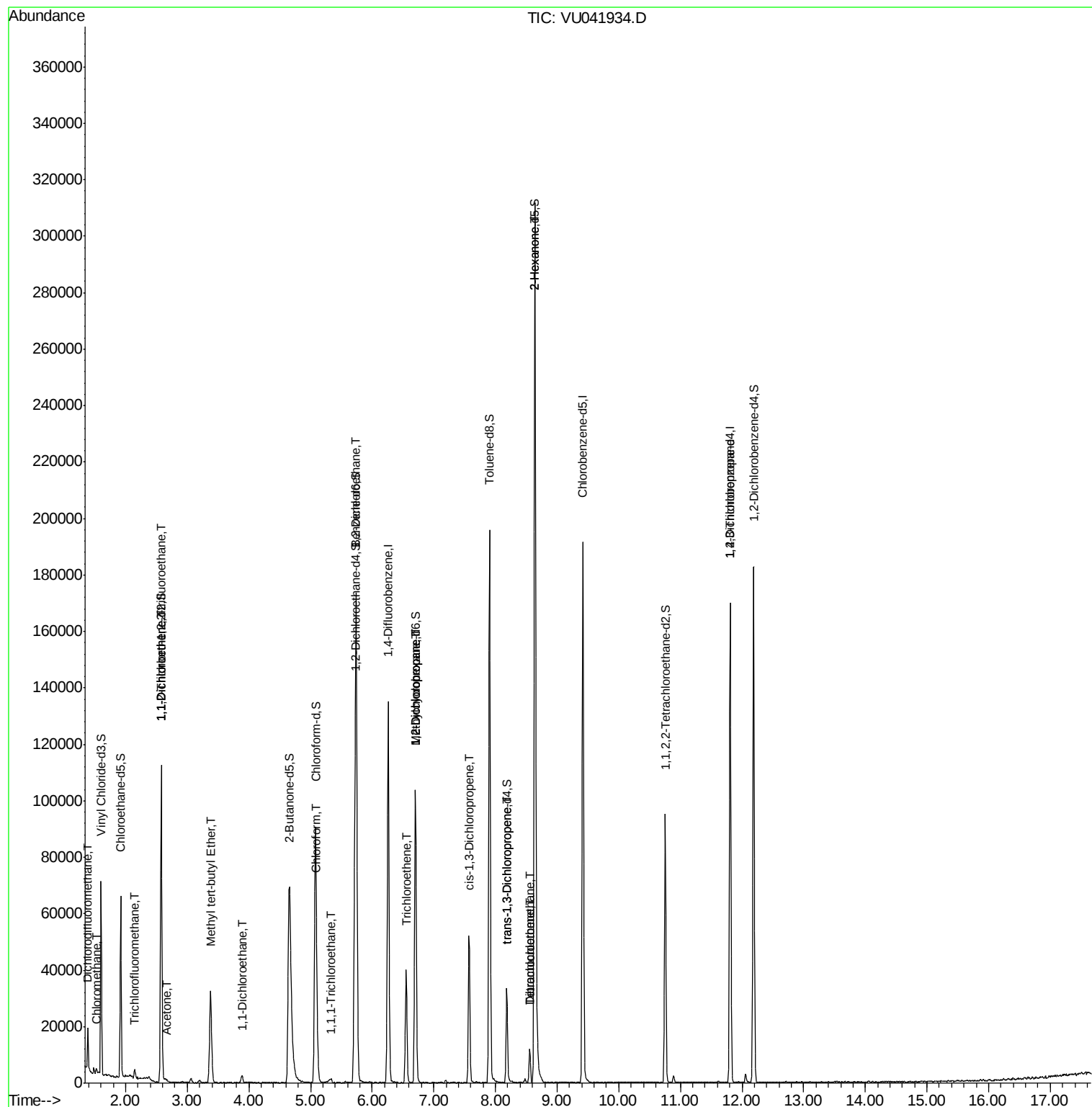
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.64	43	14966	3.580	ug/L #	70
49) Dibromochloromethane	8.56	129	2422	0.291	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5404	0.828	ug/L	98

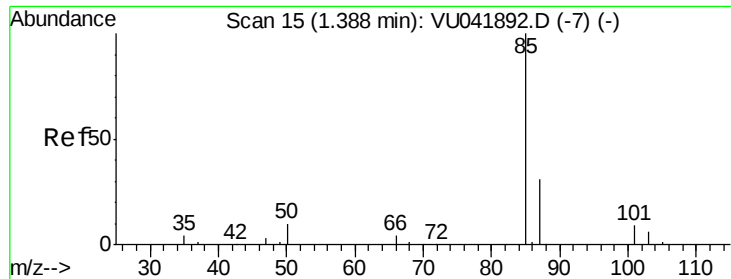
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
Data File : VU041934.D
Acq On : 11 Jan 2021 20:42
Operator : SY/MD
Sample : M1026-12
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXL5

Quant Time: Jan 12 03:29:41 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: 0.747 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041934.D

Acq: 11 Jan 2021 20:42

Instrument :

MSVOA_U

ClientSampleId :

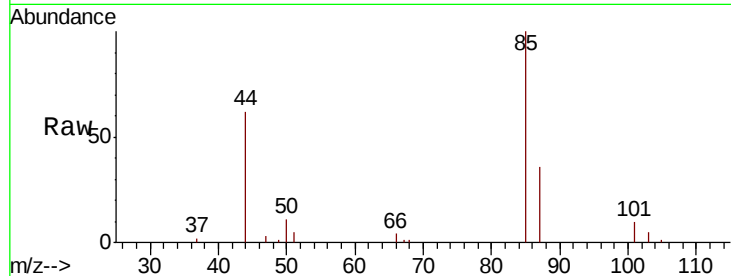
BFXL5

Tot Ion: 85 Resp: 7961

Ion Ratio Lower Upper

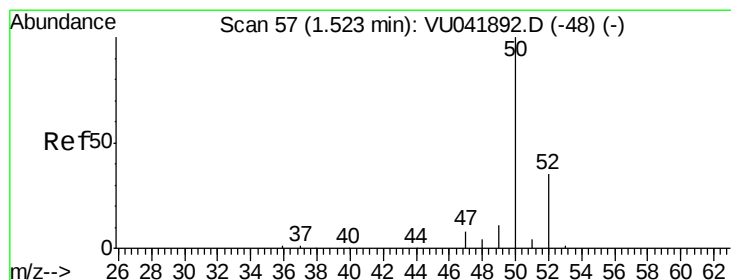
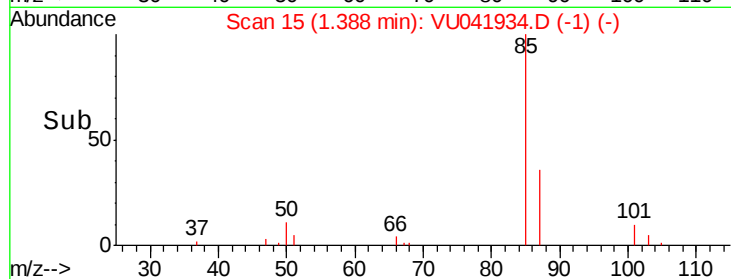
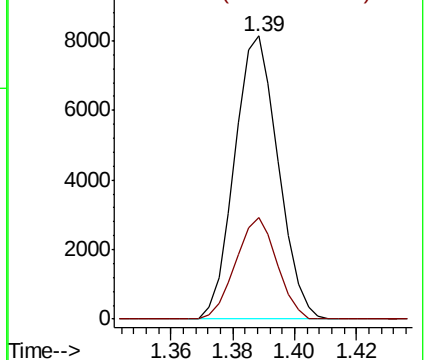
85 100

87 33.7 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.113 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041934.D

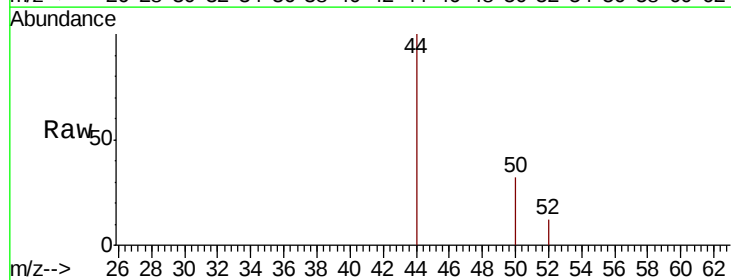
Acq: 11 Jan 2021 20:42

Tgt Ion: 50 Resp: 1308

Ion Ratio Lower Upper

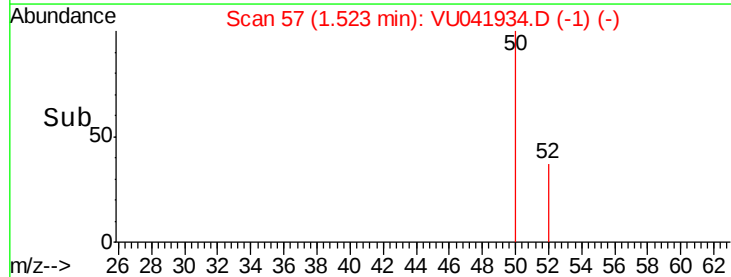
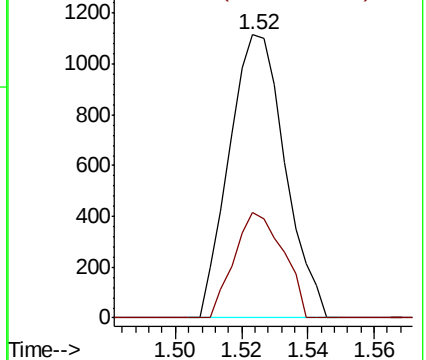
50 100

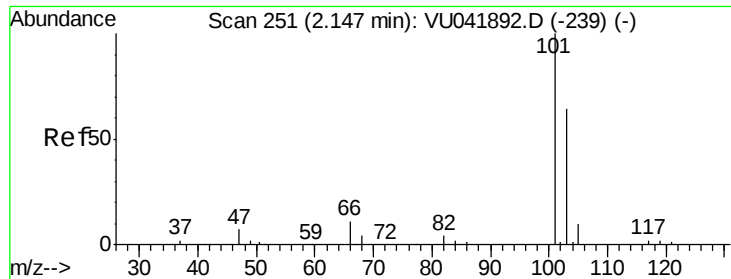
52 37.4 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#9

Trichlorofluoromethane

Concen: 0.092 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.01 min

Lab File: VU041934.D

Acq: 11 Jan 2021 20:42

Instrument :

MSVOA_U

ClientSampleId :

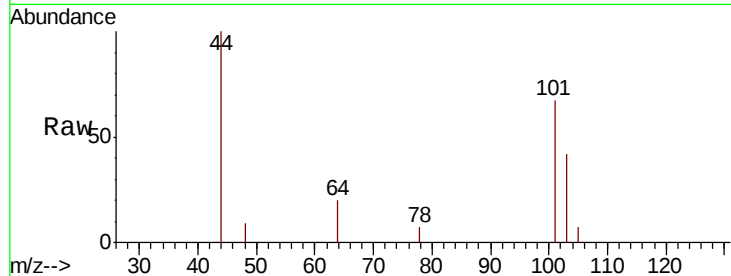
BFXL5

Tot Ion:101 Resp: 1494

Ion Ratio Lower Upper

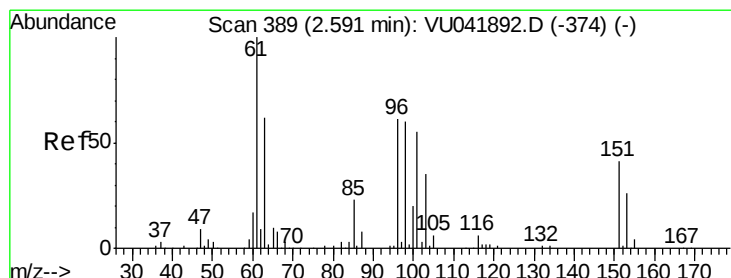
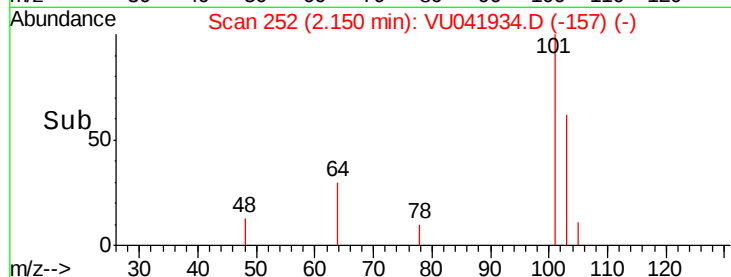
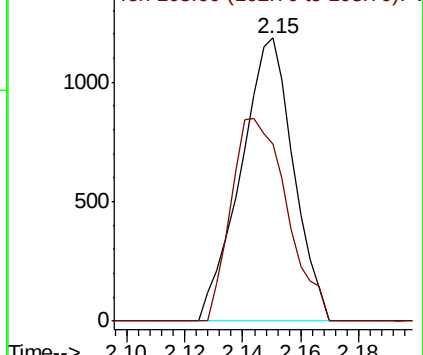
101 100

103 75.8 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.068 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041934.D

Acq: 11 Jan 2021 20:42

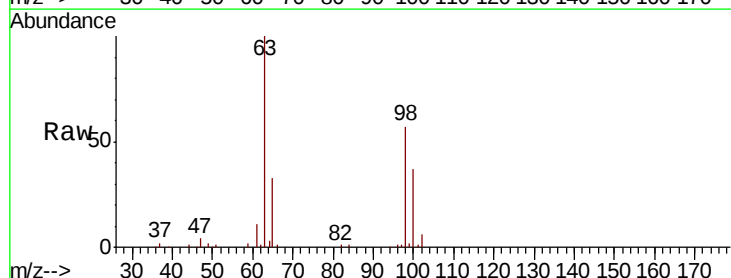
Tgt Ion:101 Resp: 598

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

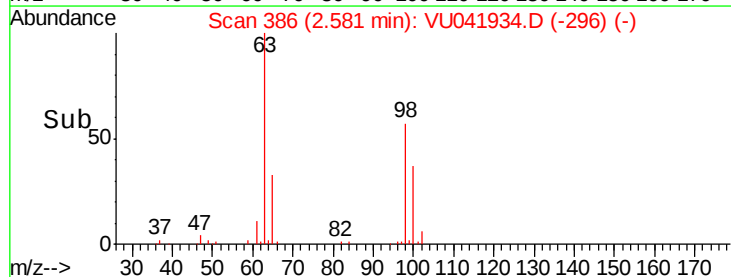
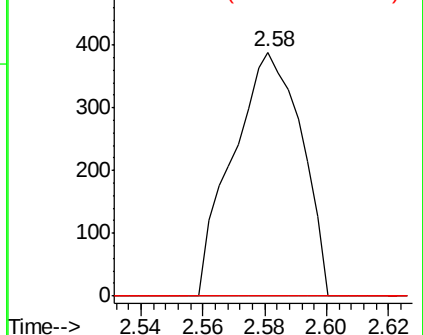
151 0.0 58.2 87.2#

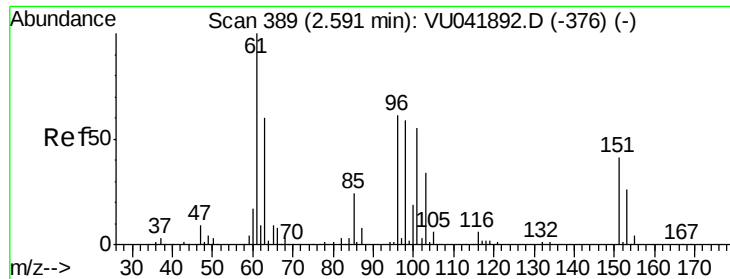


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

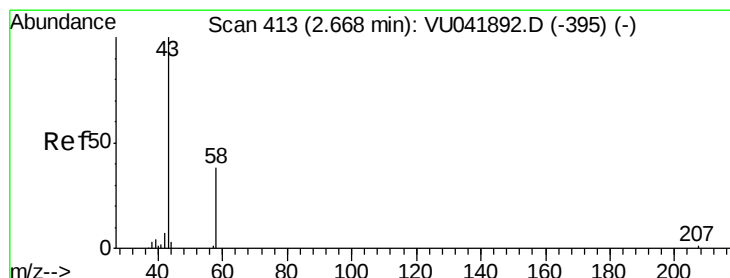
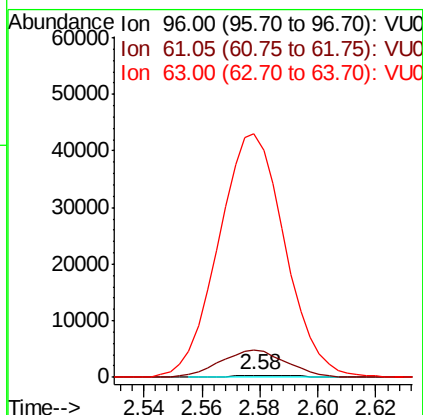
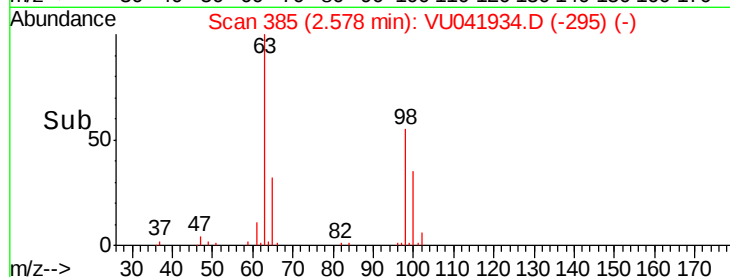
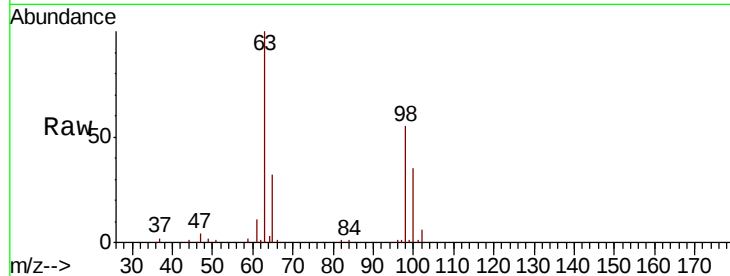




#12
 1,1-Dichloroethene
 Concen: 0.062 ug/L
 RT: 2.58 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VU041934.D
 Acq: 11 Jan 2021 20:42

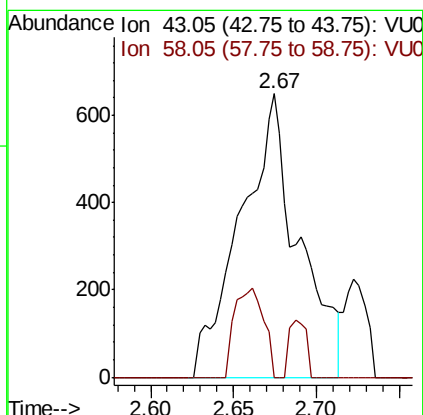
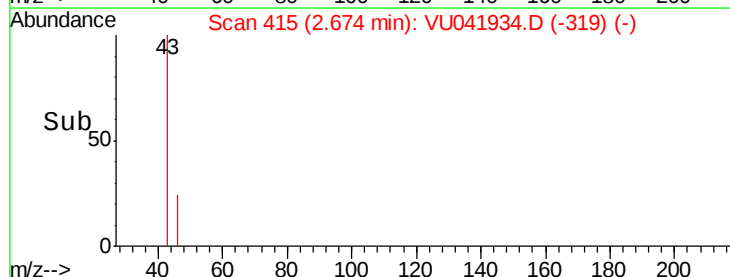
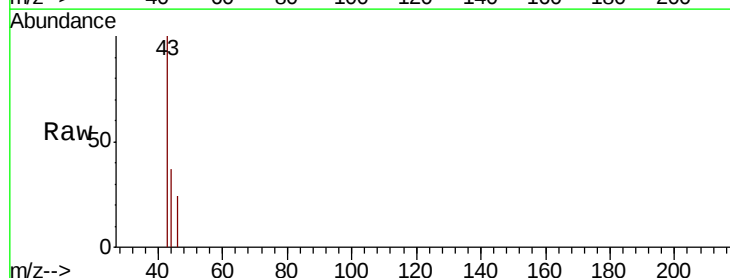
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL5

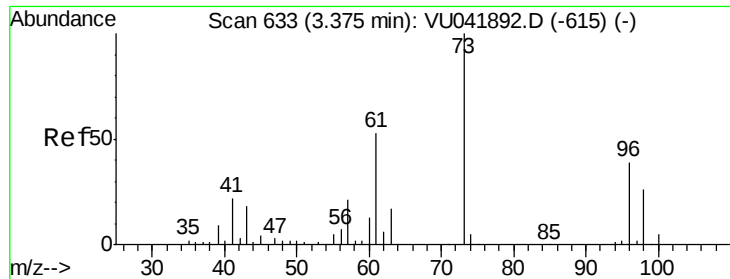
Tot Ion: 96 Resp: 536
 Ion Ratio Lower Upper
 96 100
 61 1604.3 123.5 229.4#
 63 14199.3 93.5 173.7#



#13
 Acetone
 Concen: 0.941 ug/L
 RT: 2.67 min Scan# 415
 Delta R.T. 0.01 min
 Lab File: VU041934.D
 Acq: 11 Jan 2021 20:42

Tgt Ion: 43 Resp: 1577
 Ion Ratio Lower Upper
 43 100
 58 15.9 0.0 23.6

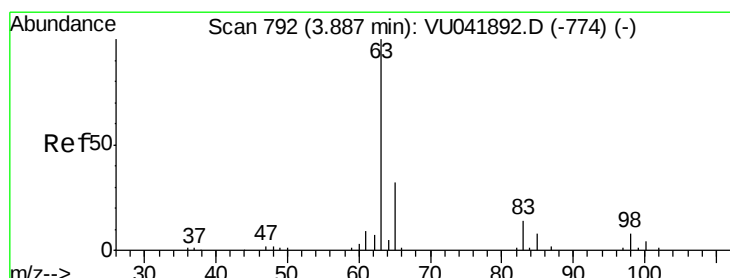
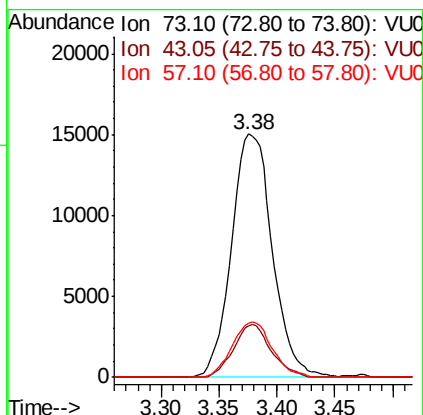
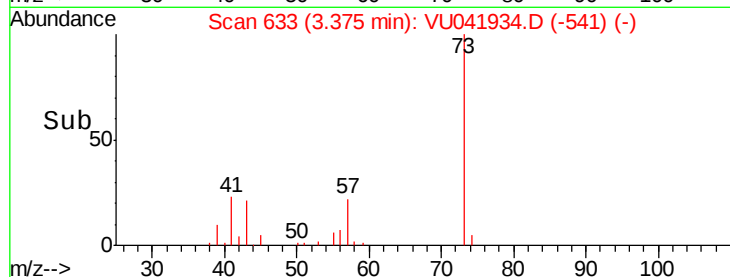
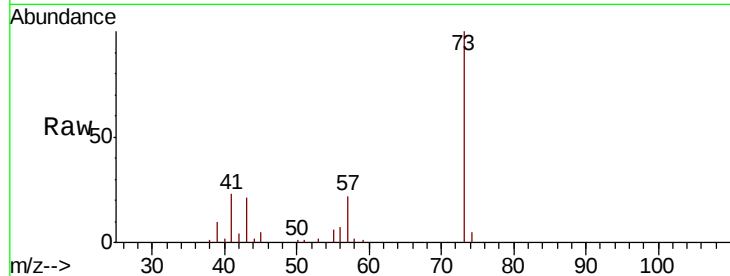




#17
Methvl tert-butvl Ether
Concen: 1.782 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.00 min
Lab File: VU041934.D
Acq: 11 Jan 2021 20:42

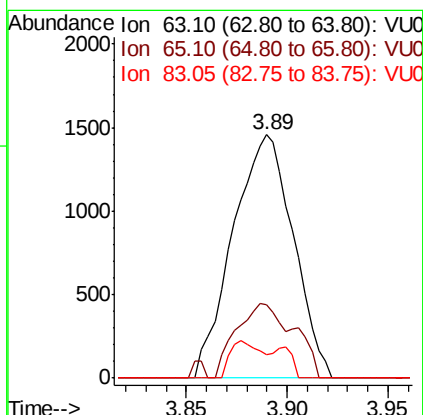
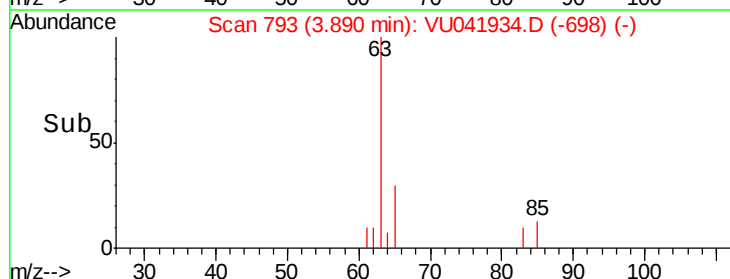
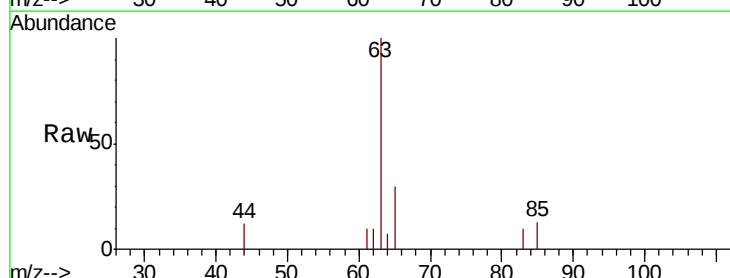
Instrument :
MSVOA_U
ClientSampleId :
BFXL5

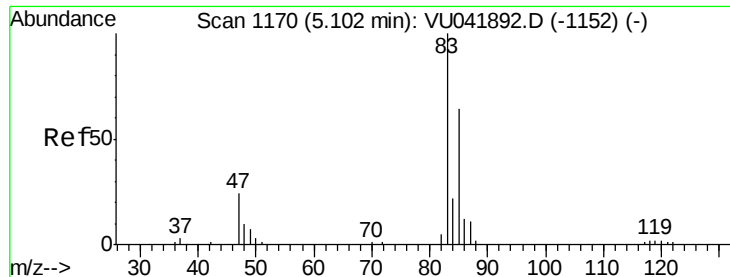
Tot Ion: 73 Resp: 36746
Ion Ratio Lower Upper
73 100
43 20.0 15.8 23.8
57 22.2 18.3 27.5



#19
1,1-Dichloroethane
Concen: 0.194 ug/L
RT: 3.89 min Scan# 793
Delta R.T. 0.01 min
Lab File: VU041934.D
Acq: 11 Jan 2021 20:42

Tgt Ion: 63 Resp: 3038
Ion Ratio Lower Upper
63 100
65 30.0 22.3 41.5
83 9.8 9.0 16.8

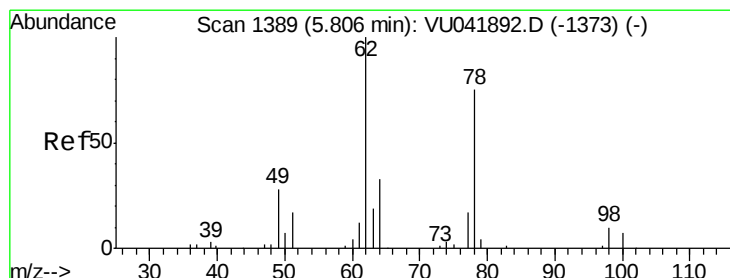
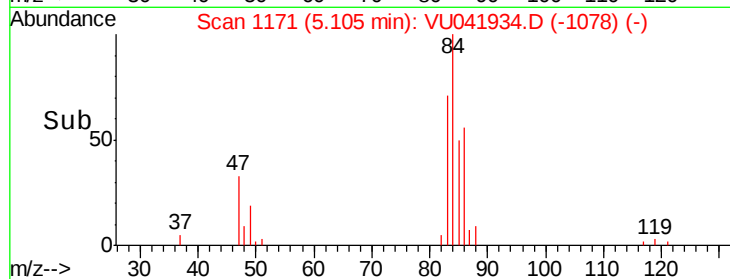
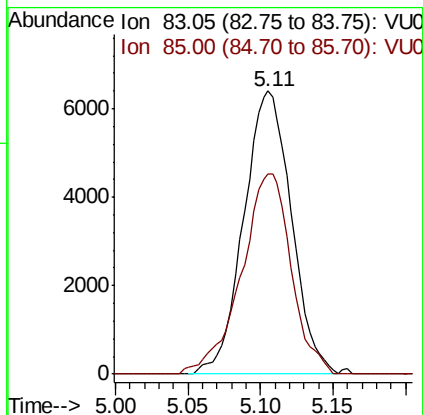
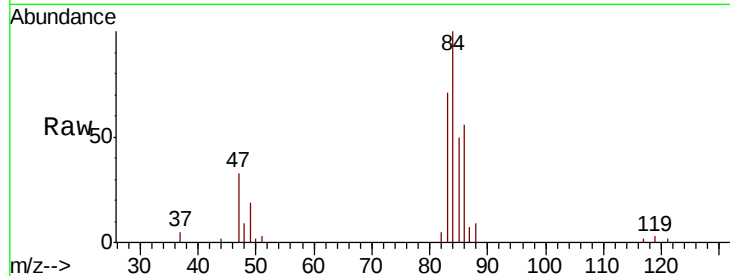




#25
Chloroform
Concen: 0.896 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041934.D
Acq: 11 Jan 2021 20:42

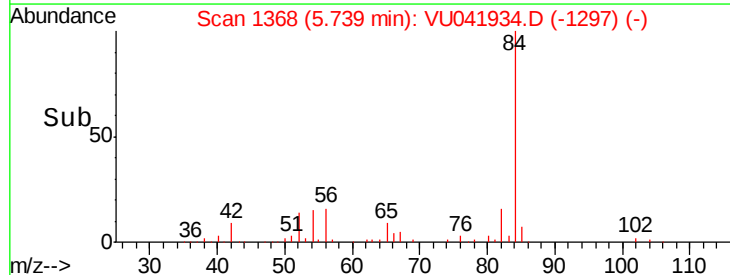
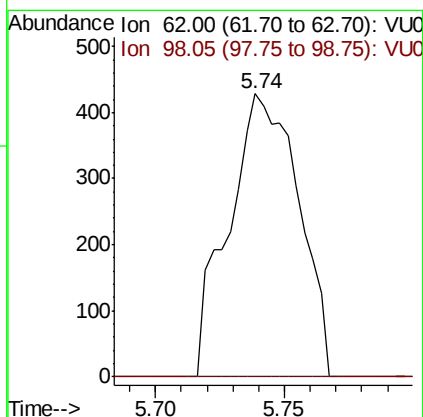
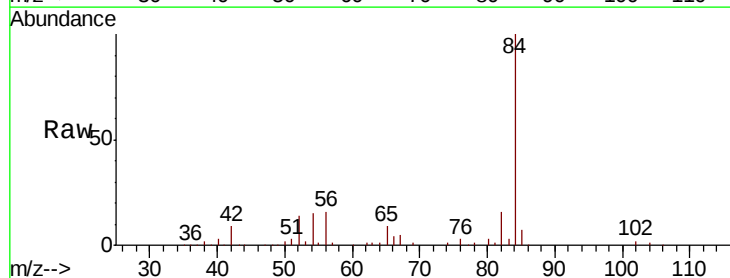
Instrument :
MSVOA_U
ClientSampleId :
BFXL5

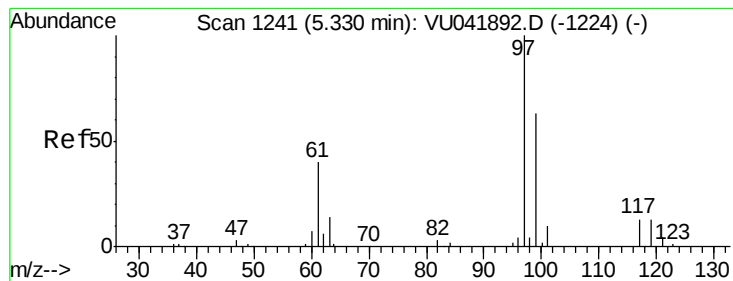
Tot Ion: 83 Resp: 14631
Ion Ratio Lower Upper
83 100
85 70.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 0.077 ug/L
RT: 5.74 min Scan# 1368
Delta R.T. -0.07 min
Lab File: VU041934.D
Acq: 11 Jan 2021 20:42

Tgt Ion: 62 Resp: 811
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.8#





#29

1,1,1-Trichloroethane

Concen: 0.074 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VU041934.D

Acq: 11 Jan 2021 20:42

Instrument :

MSVOA_U

ClientSampleId :

BFXL5

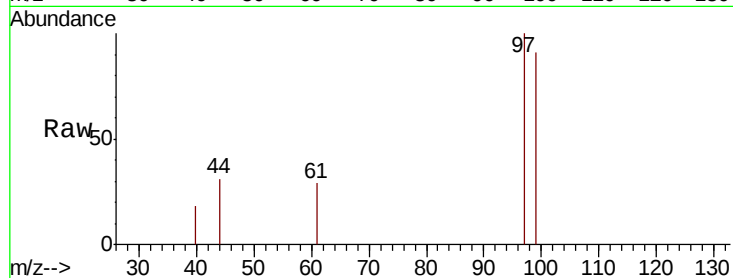
Tot Ion: 97 Resp: 1075

Ion Ratio Lower Upper

97 100

99 76.3 51.4 77.2

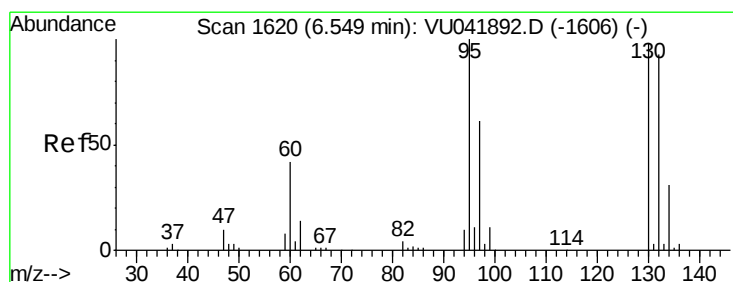
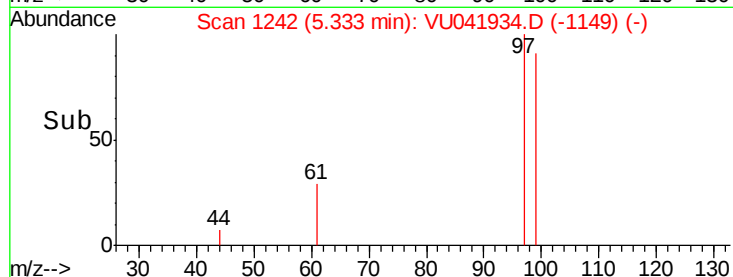
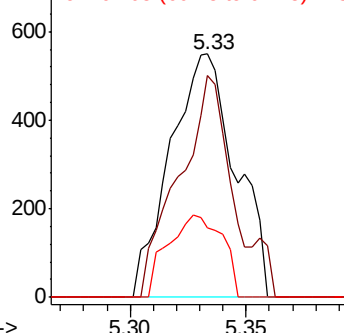
61 28.1 35.3 52.9#



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



#34

Trichloroethene

Concen: 1.493 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041934.D

Acq: 11 Jan 2021 20:42

Tgt Ion: 95 Resp: 14041

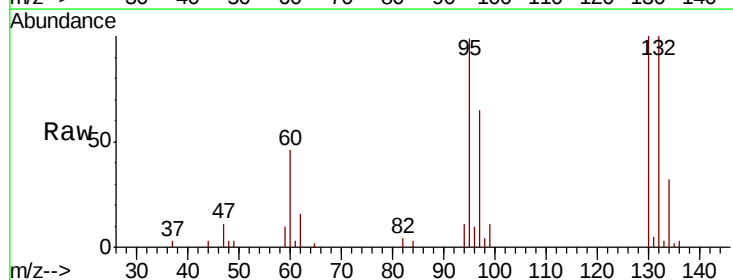
Ion Ratio Lower Upper

95 100

97 66.0 45.2 84.0

132 100.8 68.7 127.5

130 101.1 68.0 126.4

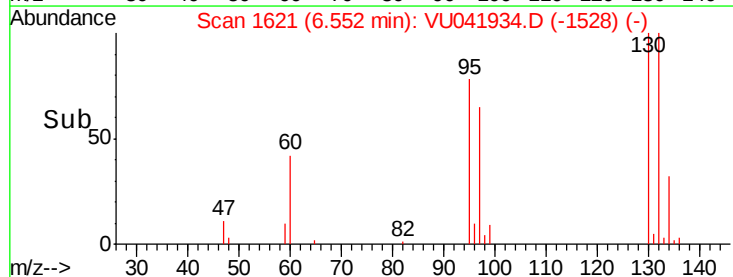
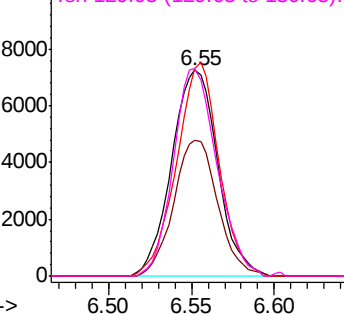


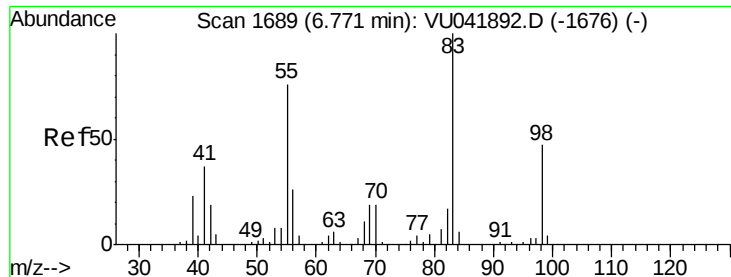
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

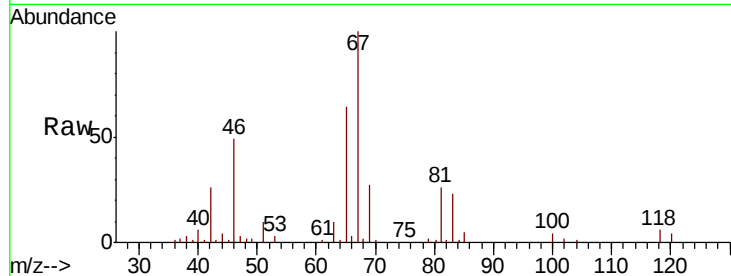




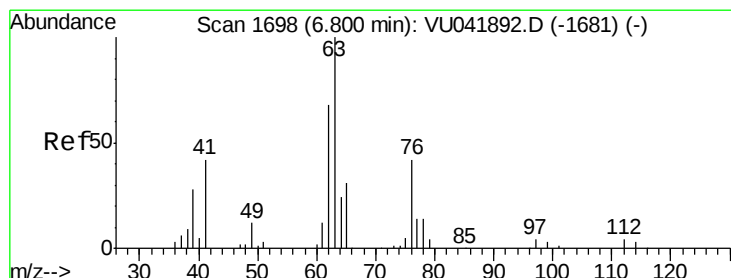
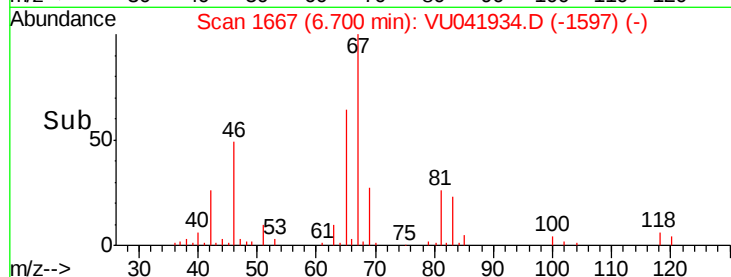
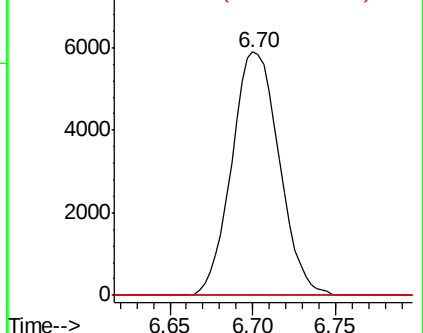
#35
Methvlcvclohexane
Concen: 0.851 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041934.D
Acq: 11 Jan 2021 20:42

Instrument :
MSVOA_U
ClientSampleId :
BFXL5

Tot Ion	83	Resp	11758
Ion Ratio	Lower	Upper	
83	100		
55	0.0	64.3	96.5#
98	1.8	36.6	54.8#

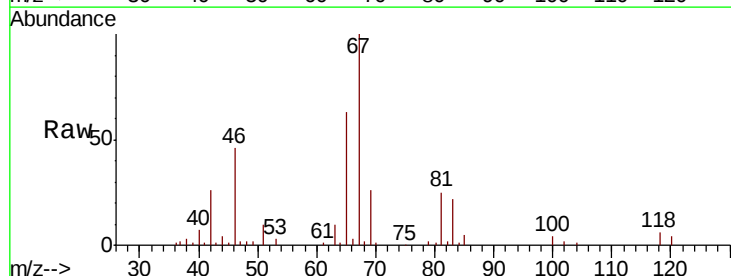


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

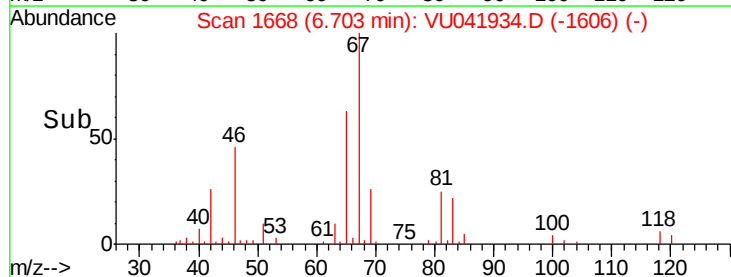
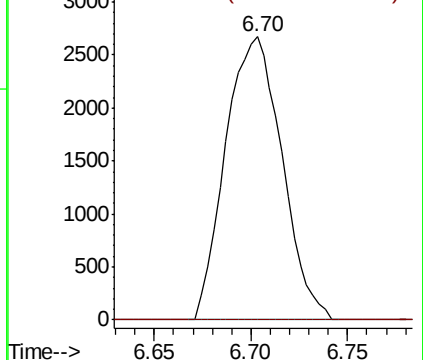


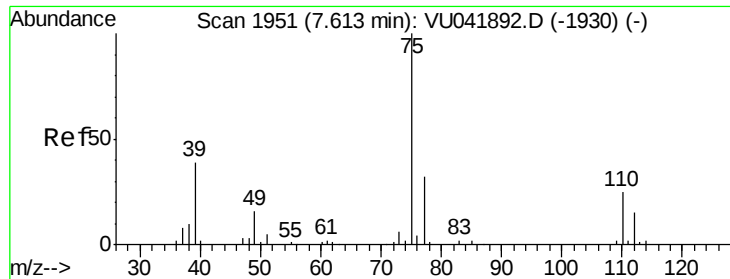
#37
1,2-Dichloropropane
Concen: 0.607 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041934.D
Acq: 11 Jan 2021 20:42

Tgt Ion	63	Resp	5423
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

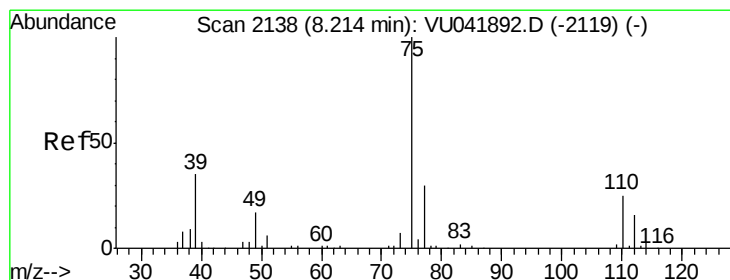
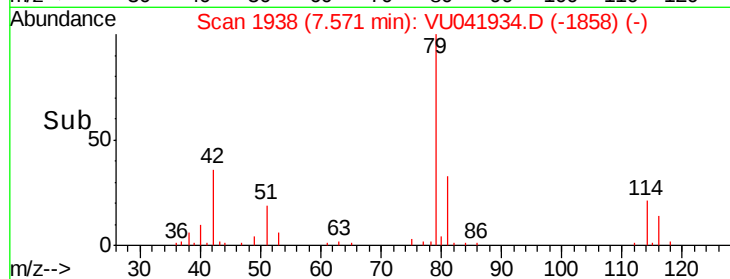
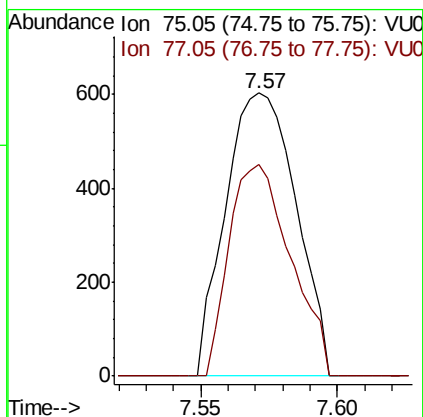
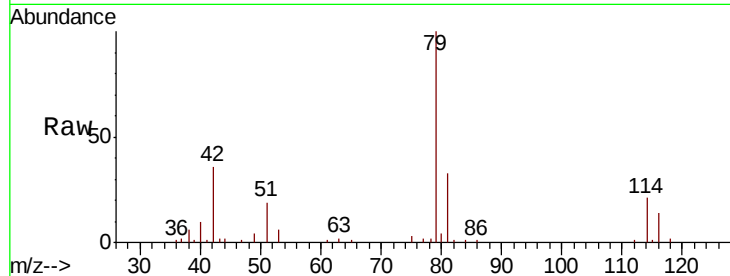




#39
 cis-1,3-Dichloropropene
 Concen: 0.082 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041934.D
 Acq: 11 Jan 2021 20:42

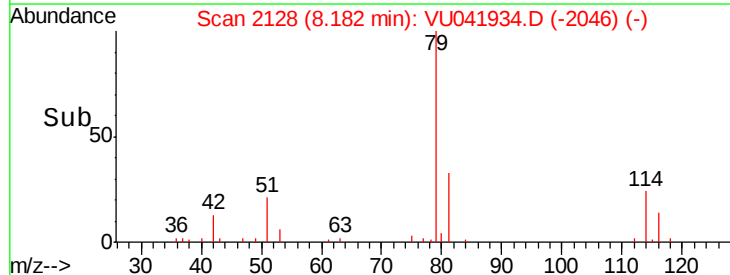
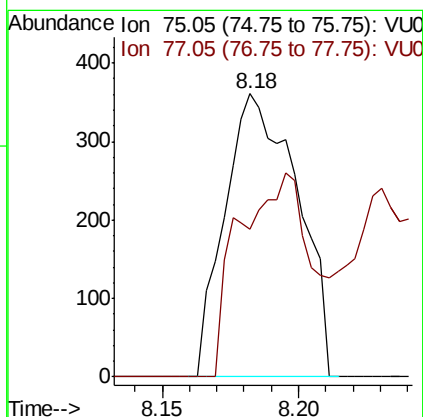
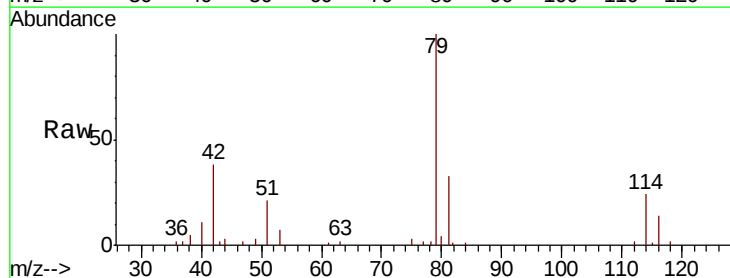
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL5

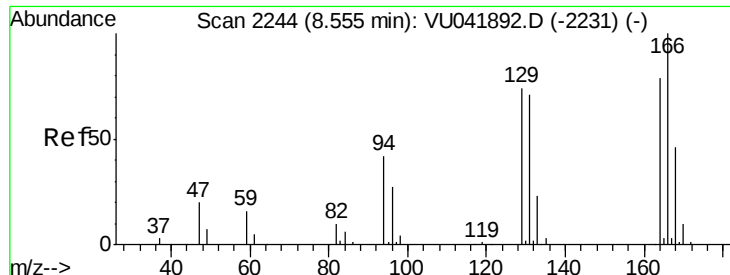
Tot Ion: 75 Resp: 1084
 Ion Ratio Lower Upper
 75 100
 77 75.0 21.5 39.9#



#44
 trans-1,3-Dichloropropene
 Concen: 0.057 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.04 min
 Lab File: VU041934.D
 Acq: 11 Jan 2021 20:42

Tgt Ion: 75 Resp: 667
 Ion Ratio Lower Upper
 75 100
 77 52.1 23.7 44.1#





#47

Tetrachloroethene

Concen: 0.443 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041934.D

Acq: 11 Jan 2021 20:42

Instrument :

MSVOA_U

ClientSampleId :

BFXL5

Tot Ion:164 Resp: 2897

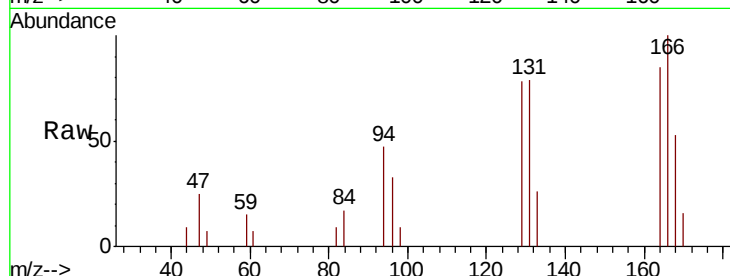
Ion Ratio Lower Upper

164 100

129 91.6 69.2 128.6

131 92.2 69.7 129.5

166 117.4 89.2 165.8

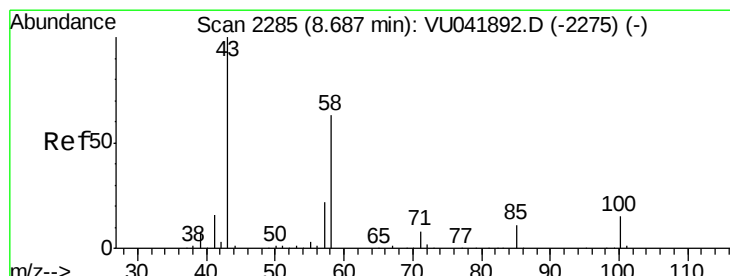
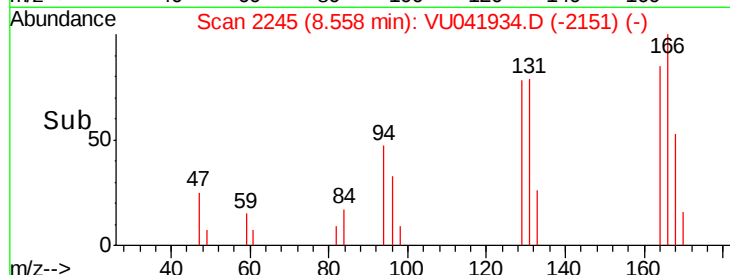
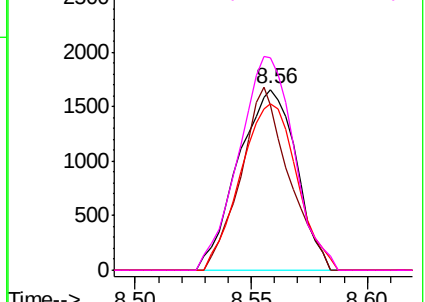


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.580 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041934.D

Acq: 11 Jan 2021 20:42

Tgt Ion: 43 Resp: 14966

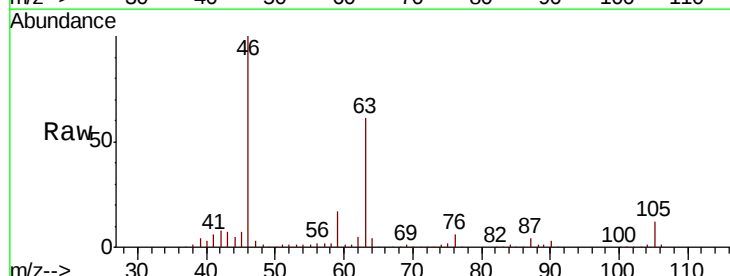
Ion Ratio Lower Upper

43 100

58 31.2 47.6 71.4#

57 26.5 17.1 25.7#

100 1.5 10.4 15.6#

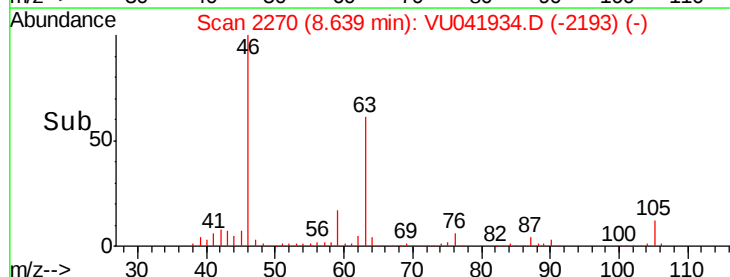
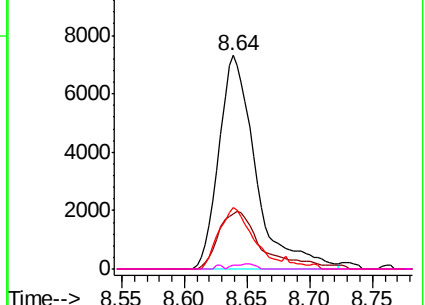


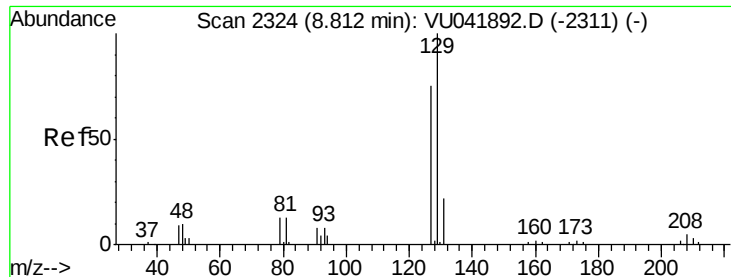
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.291 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041934.D

Acq: 11 Jan 2021 20:42

Instrument :

MSVOA_U

ClientSampled :

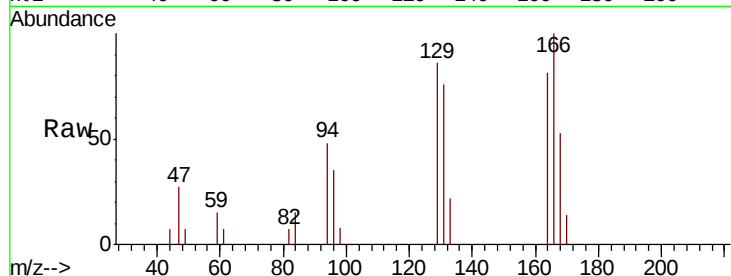
BFXL5

Tot Ion:129 Resp: 2422

Ion Ratio Lower Upper

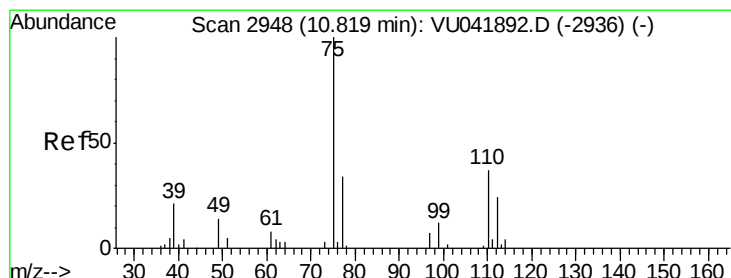
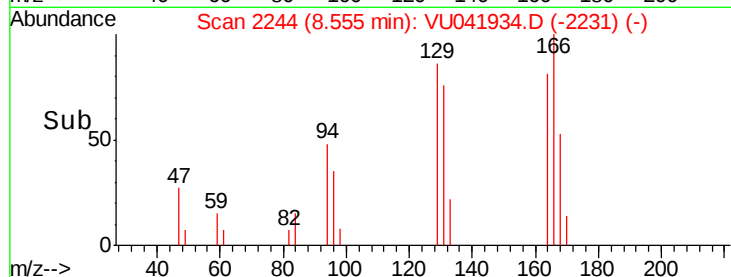
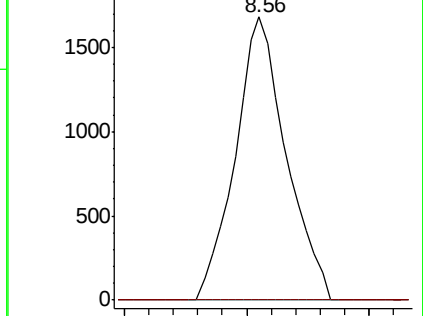
129 100

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: 0.828 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041934.D

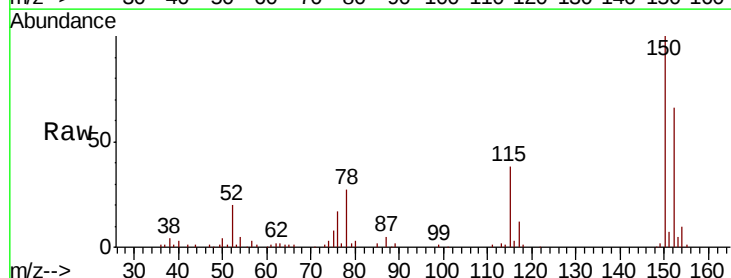
Acq: 11 Jan 2021 20:42

Tgt Ion: 75 Resp: 5404

Ion Ratio Lower Upper

75 100

77 32.6 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

