

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 05:35:44 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

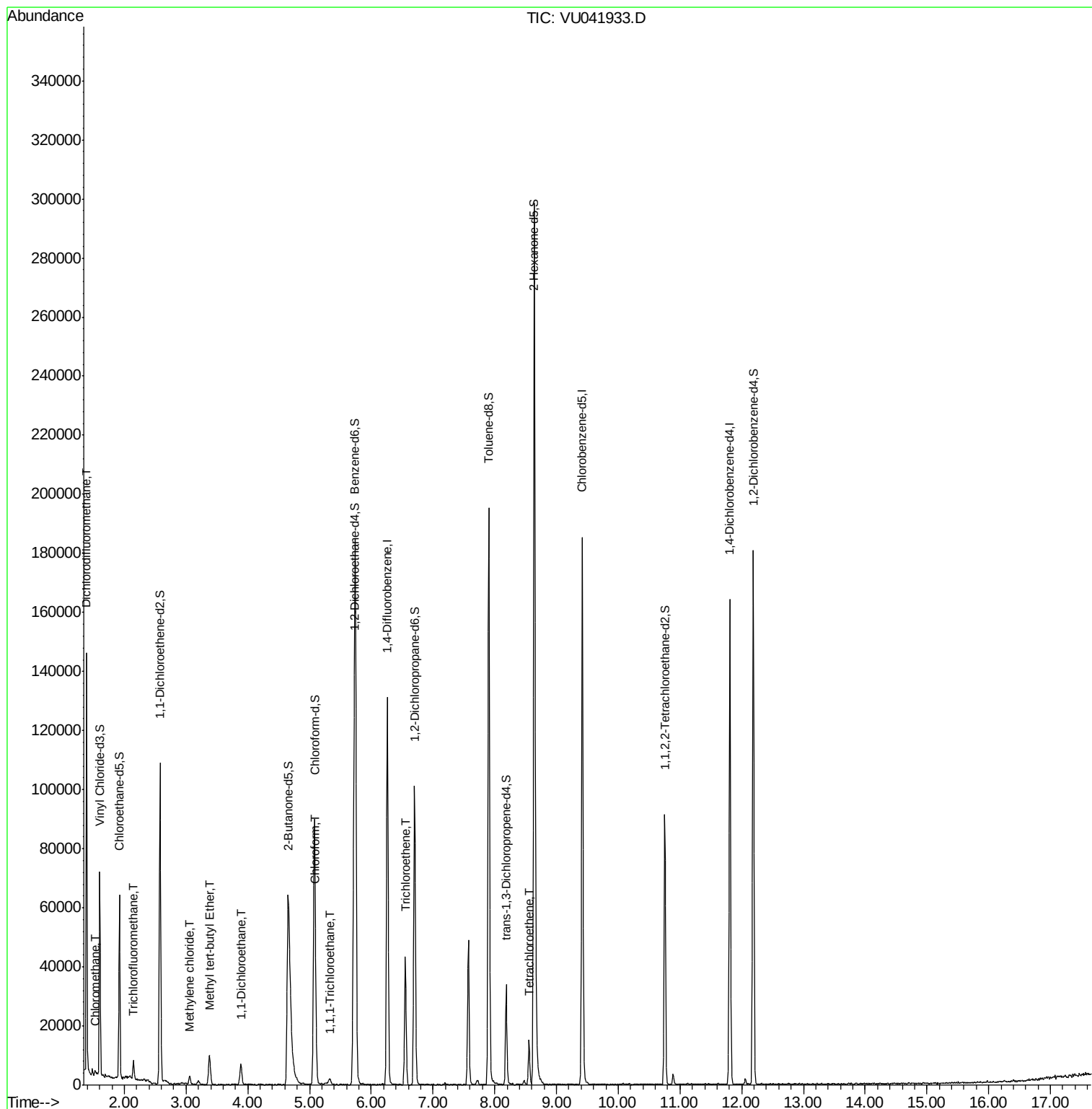
					Ovalue
2) Dichlorodifluoromethane	1.39	85	76534	7.445 ug/L	96
3) Chloromethane	1.52	50	1248	0.112 ug/L #	76
9) Trichlorofluoromethane	2.15	101	3434	0.219 ug/L	92
16) Methylene chloride	3.06	84	1379	0.132 ug/L	88
17) Methyl tert-butyl Ether	3.38	73	11260	0.566 ug/L	97
19) 1,1-Dichloroethane	3.89	63	8426	0.557 ug/L	97
25) Chloroform	5.11	83	4603	0.292 ug/L	92
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
47) Tetrachloroethene	8.56	164	3257	0.511 ug/L	97

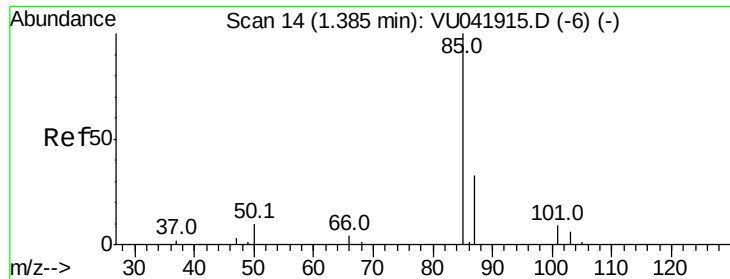
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

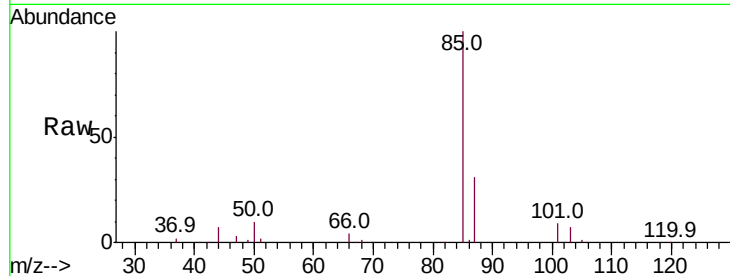
BFXL4

Tot Ion: 85 Resp: 76534

Ion Ratio Lower Upper

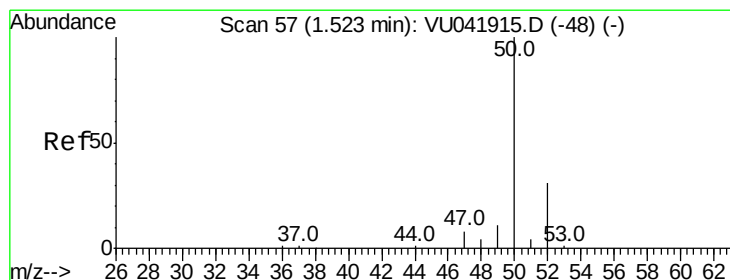
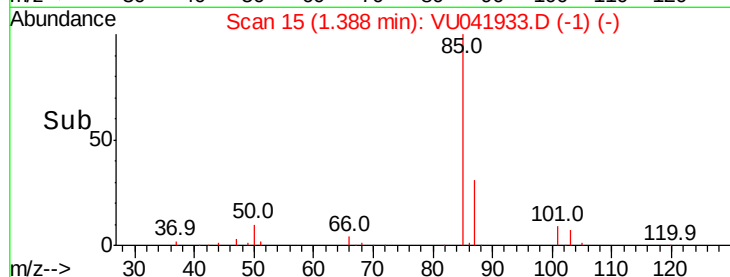
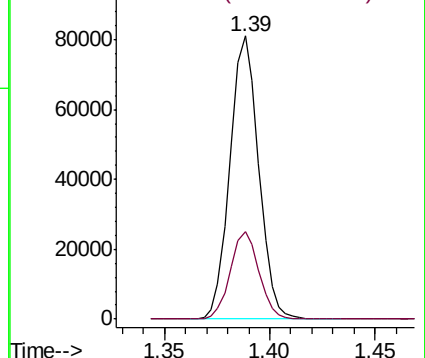
85 100

87 30.8 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.112 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041933.D

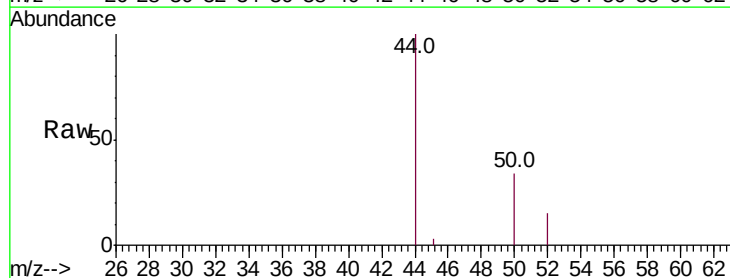
Acq: 11 Jan 2021 20:18

Tgt Ion: 50 Resp: 1248

Ion Ratio Lower Upper

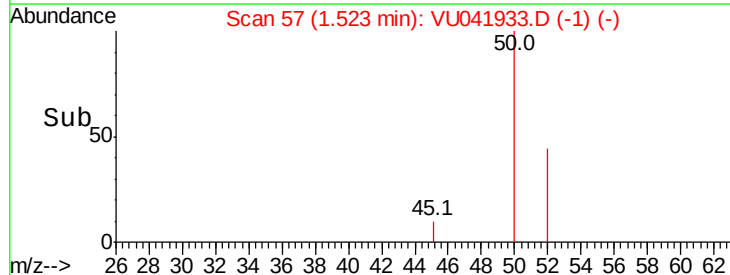
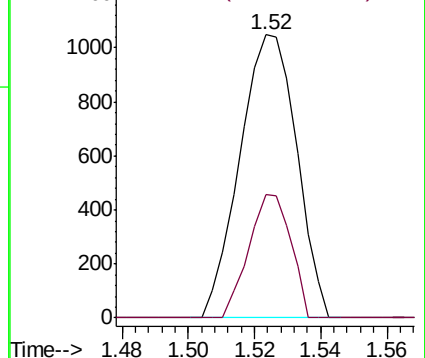
50 100

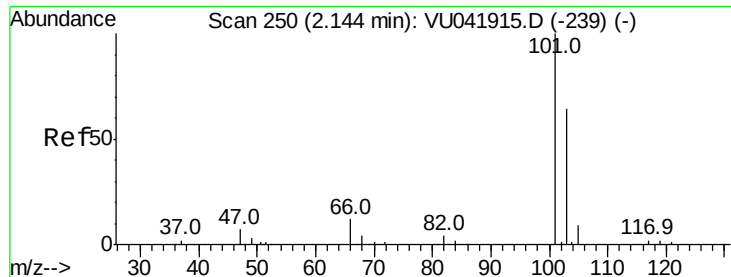
52 43.6 21.4 39.8#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



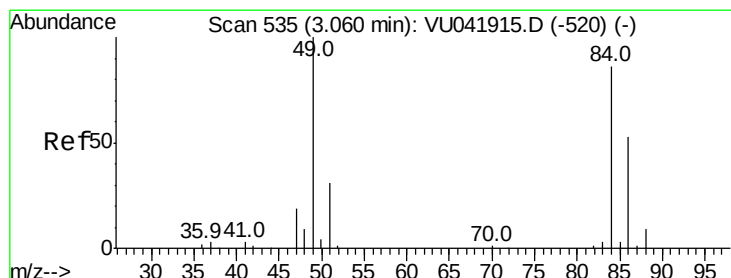
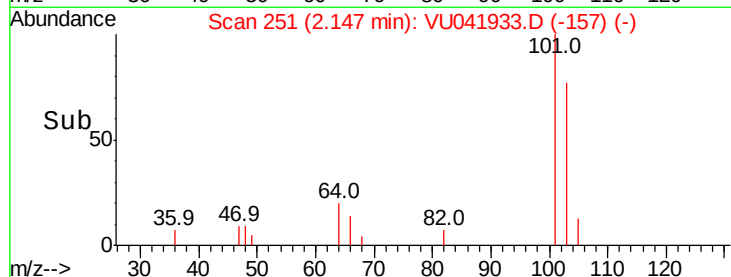
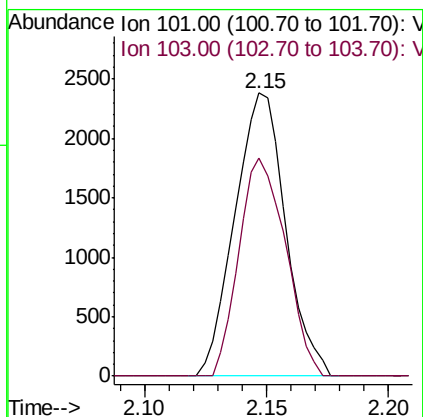
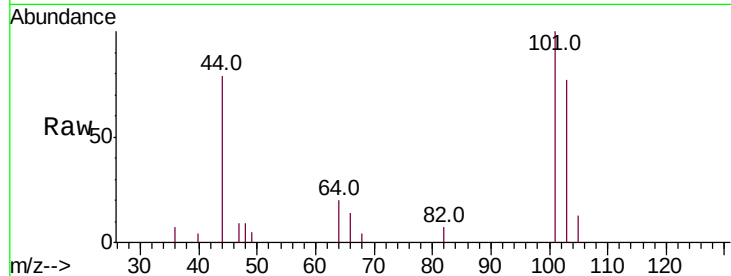


#9

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

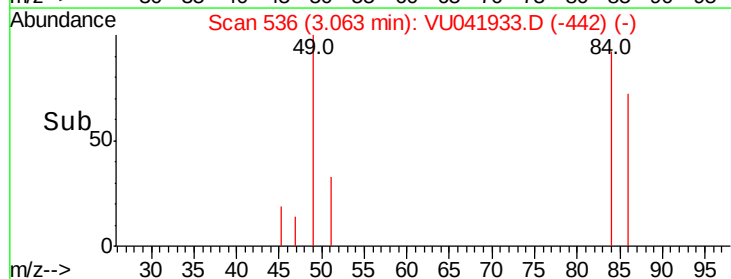
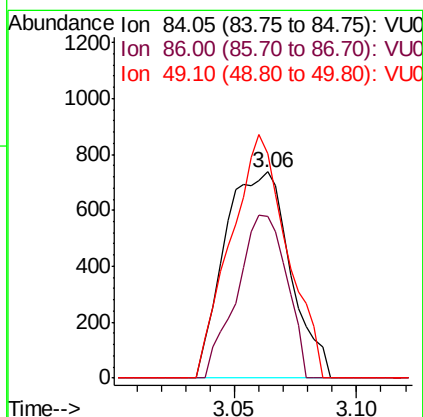
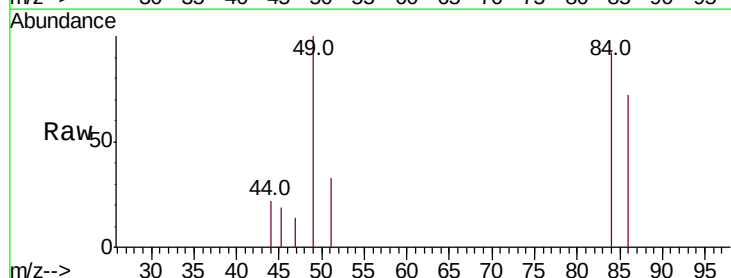
Tot Ion:101 Resp: 3434
Ion Ratio Lower Upper
101 100
103 70.7 51.3 76.9

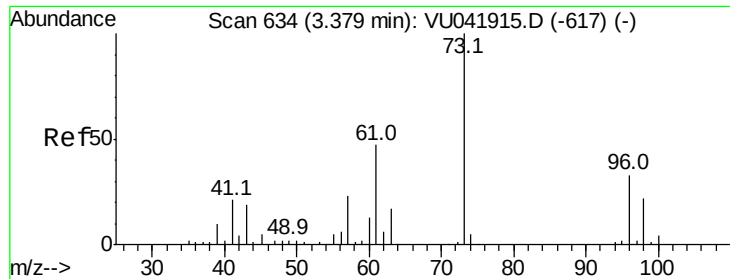


#16

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

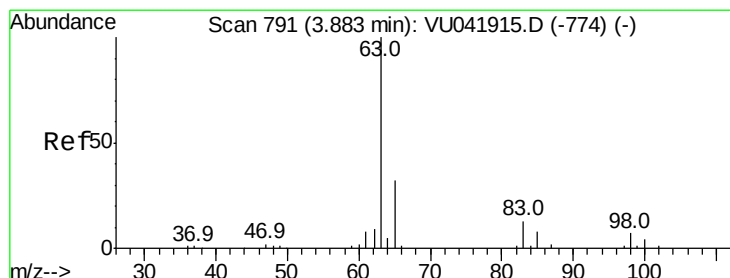
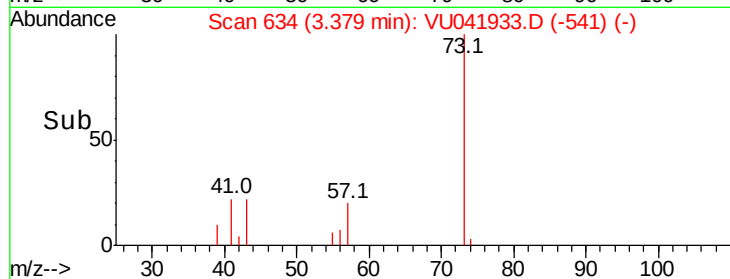
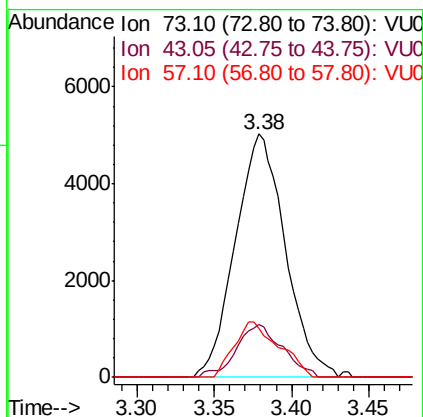
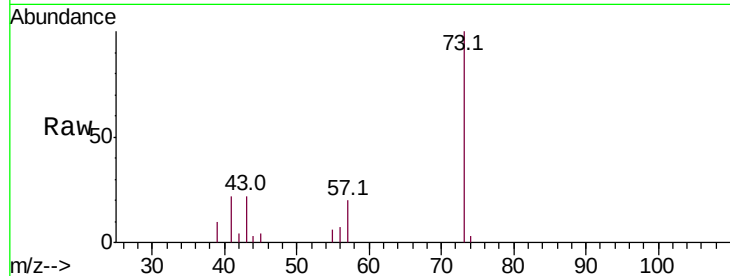




#17
Methyl tert-butyl Ether
Concen: 0.566 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041933.D
Acq: 11 Jan 2021 20:18

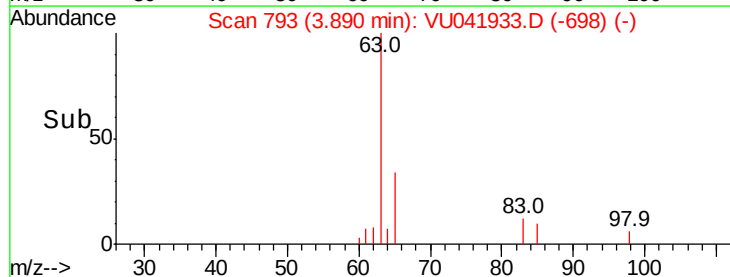
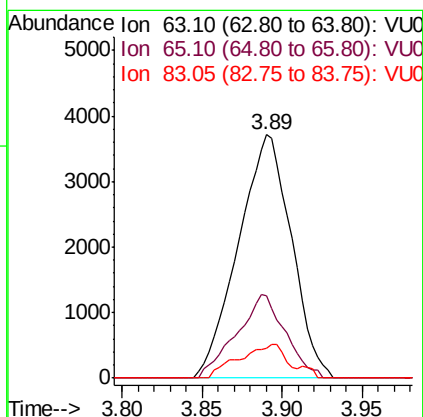
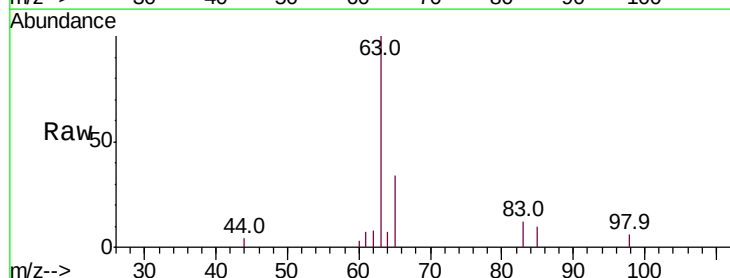
Instrument :
MSVOA_U
ClientSampleId :
BFXL4

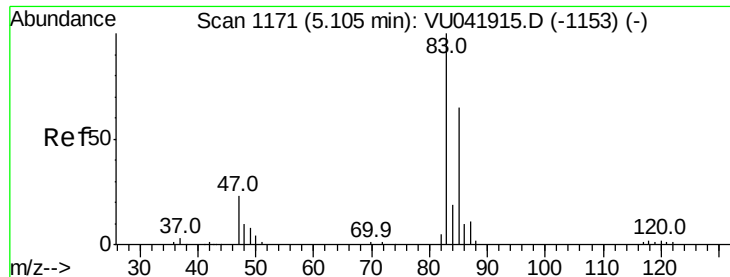
Tot Ion: 73 Resp: 11260
Ion Ratio Lower Upper
73 100
43 20.0 15.8 23.8
57 20.4 18.3 27.5



#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

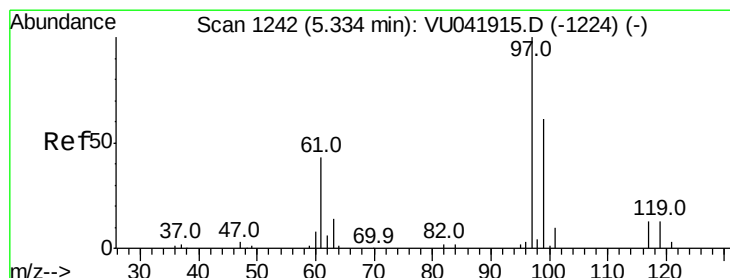
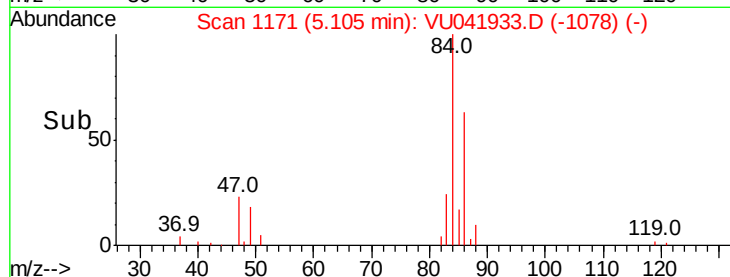
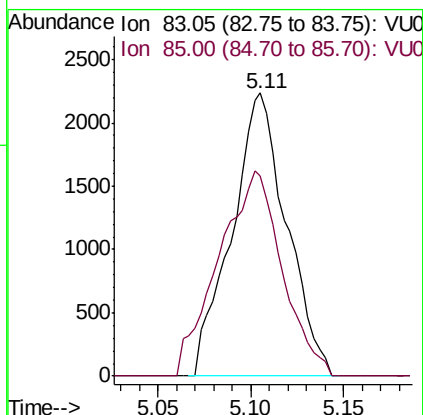
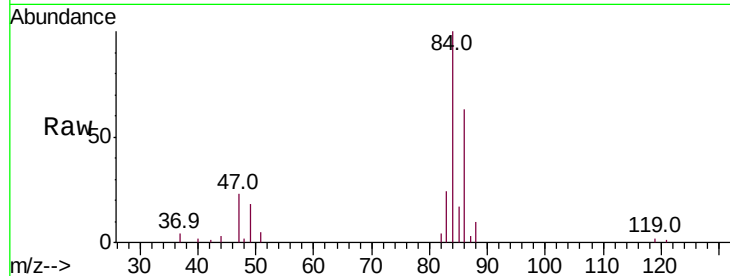




#25
Chloroform
Concen: 0.292 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041933.D
Acq: 11 Jan 2021 20:18

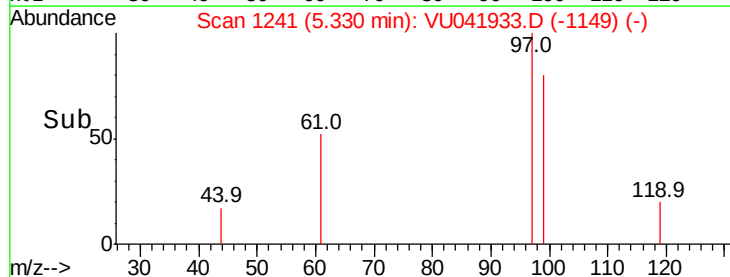
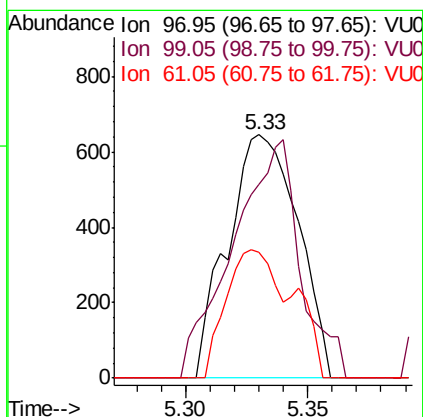
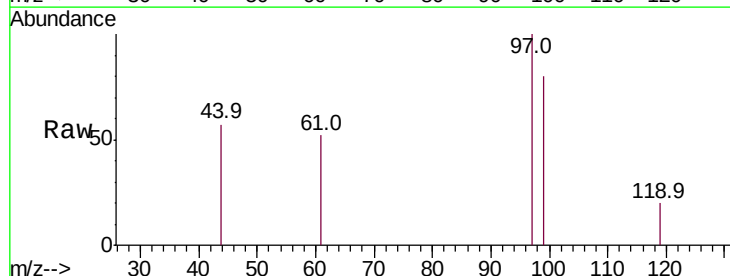
Instrument :
MSVOA_U
ClientSampleId :
BFXL4

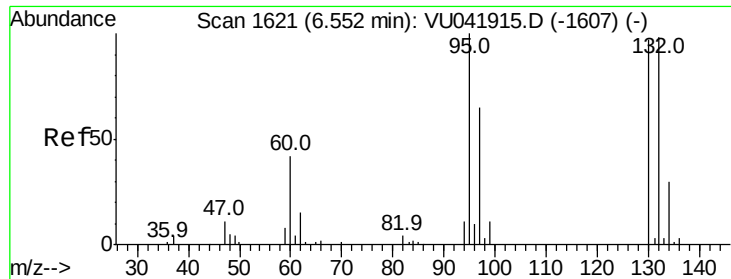
Tot Ion: 83 Resp: 4603
Ion Ratio Lower Upper
83 100
85 70.6 45.1 83.9



#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

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

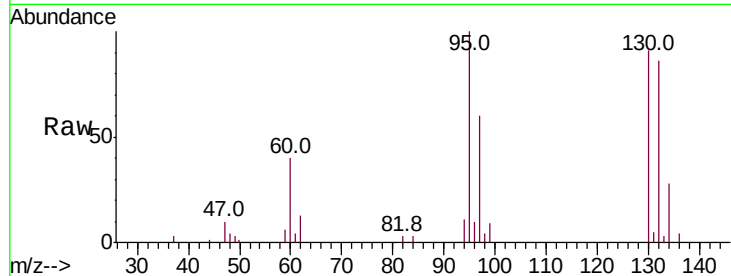




#34
 Trichloroethene
 Concen: 1.673 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041933.D
 Acq: 11 Jan 2021 20:18

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL4

Tot 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



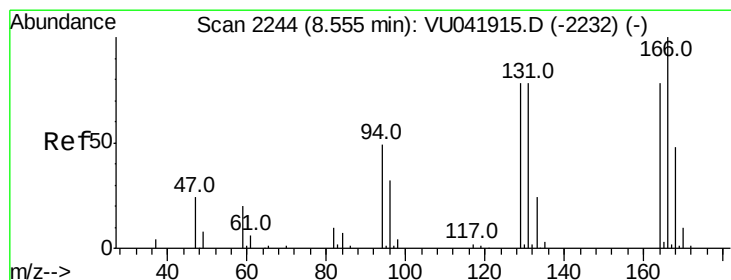
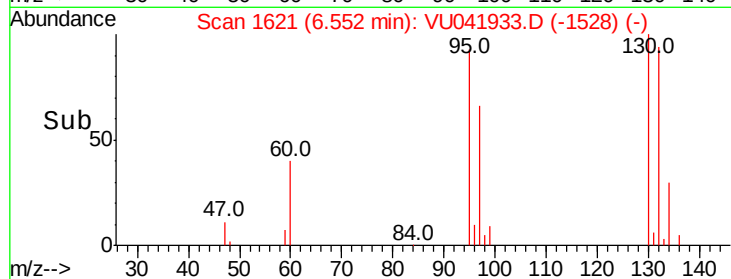
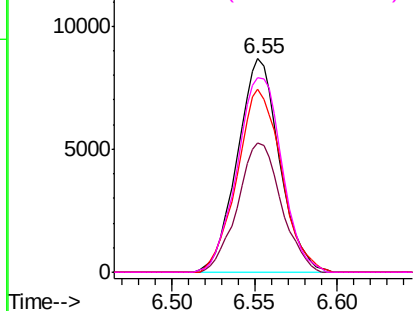
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

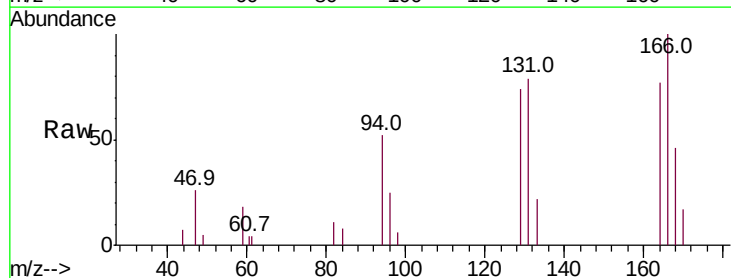
Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#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

Tgt 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

