

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041956.D
 Acq On : 12 Jan 2021 05:47
 Operator : SY/MD
 Sample : M1027-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXN7

Quant Time: Jan 12 07:45:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 05:50:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	116211	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110047	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	41731	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46484	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.92	69	44421	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.58	63	143316	7.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	154.40%#
20) 2-Butanone-d5	4.66	46	174615	64.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.30%
24) Chloroform-d	5.08	84	89878	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.72	65	54043	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.80%
32) Benzene-d6	5.74	84	175748	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
36) 1,2-Dichloropropane-d6	6.70	67	59359	5.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.20%
41) Toluene-d8	7.90	98	139502	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	8.18	79	22126	5.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.80%
46) 2-Hexanone-d5	8.64	63	157300	72.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	145.86%#
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45094	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	45706	5.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.80%

Target Compounds

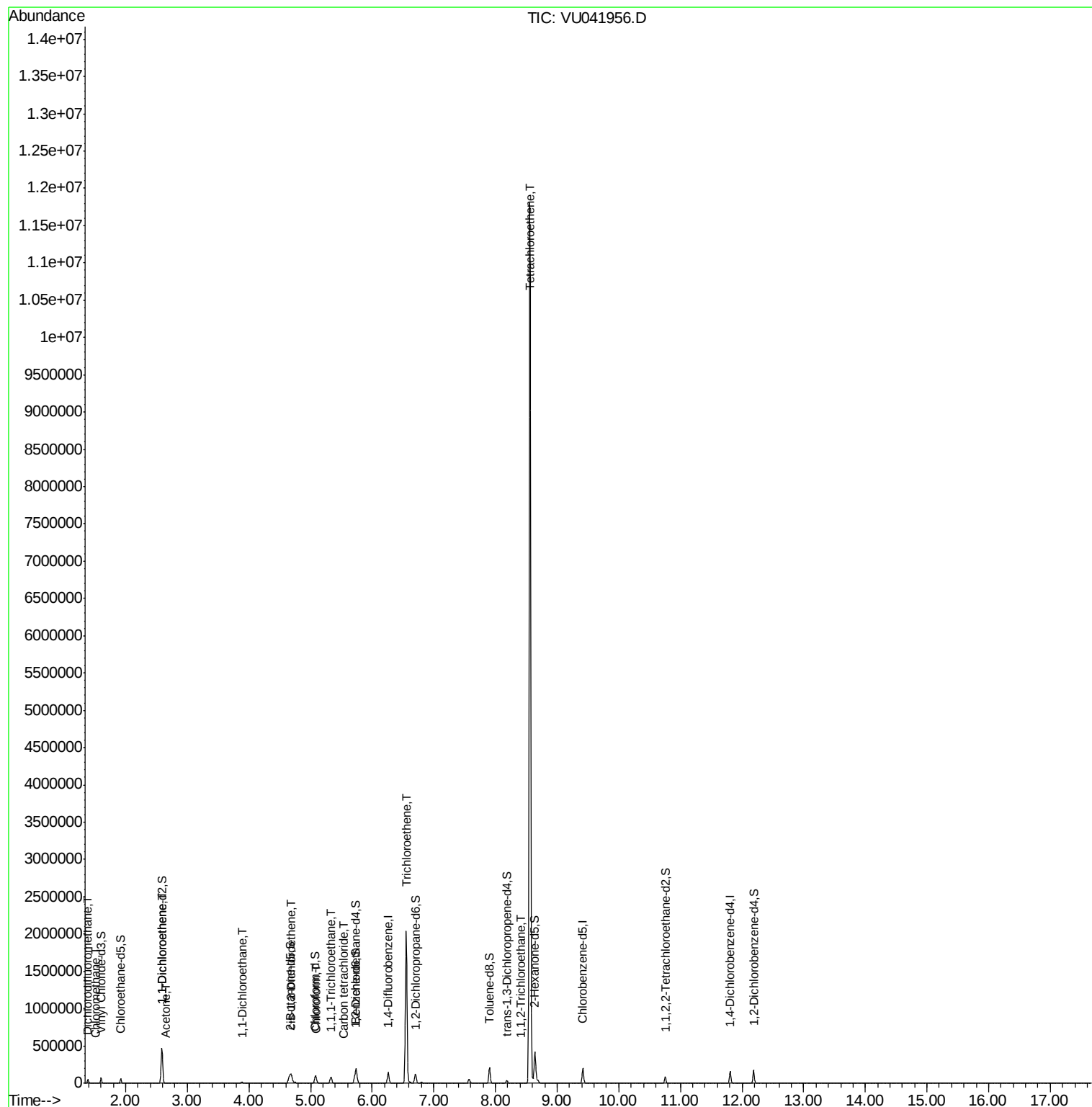
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	23511	2.092	ug/L	99
3) Chloromethane	1.52	50	1076	0.088	ug/L	97
12) 1,1-Dichloroethene	2.59	96	140779	15.517	ug/L #	76
13) Acetone	2.66	43	3268	1.849	ug/L	73
19) 1,1-Dichloroethane	3.89	63	11512	0.696	ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	36257	3.854	ug/L	99
25) Chloroform	5.10	83	7356	0.427	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	56725	3.950	ug/L	97
31) Carbon tetrachloride	5.54	117	1940	0.156	ug/L	92
34) Trichloroethene	6.55	95	725031	77.876	ug/L	94
45) 1,1,2-Trichloroethane	8.41	97	1398	0.206	ug/L	91
47) Tetrachloroethene	8.56	164	2459960	379.719	ug/L	98

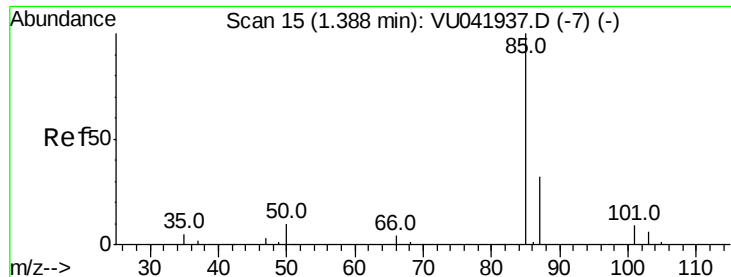
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.092 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041956.D

Acq: 12 Jan 2021 05:47

Instrument :

MSVOA_U

ClientSampleId :

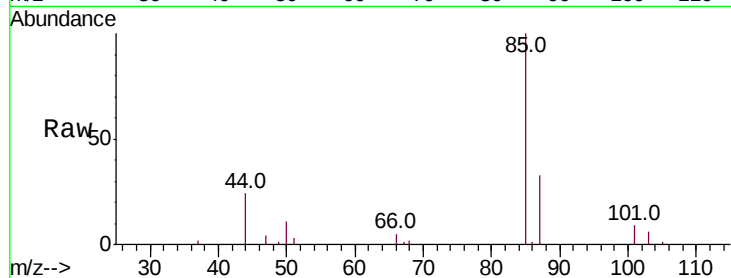
BFXN7

Tot Ion: 85 Resp: 23511

Ion Ratio Lower Upper

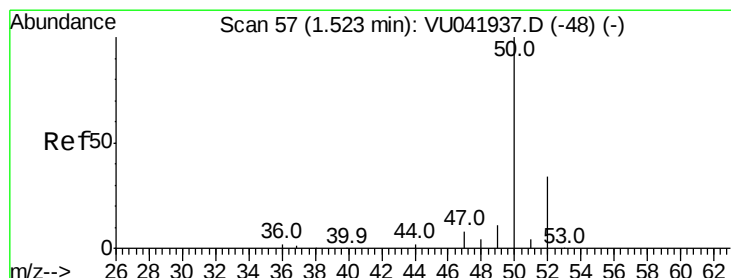
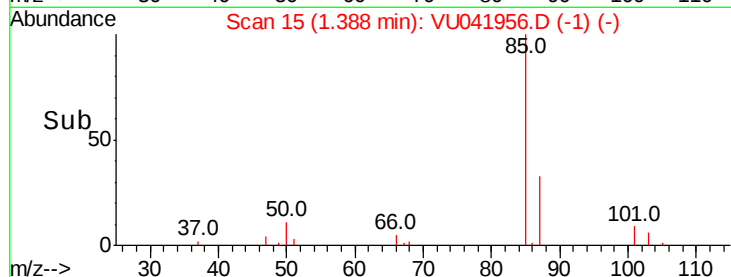
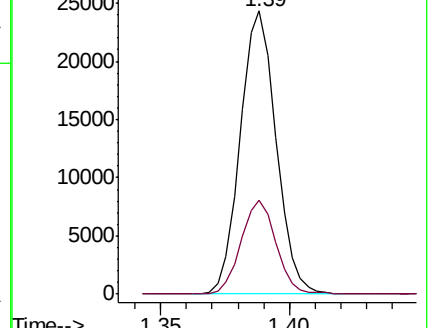
85 100

87 32.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU041937.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041937.D (-7) (-)



#3

Chloromethane

Concen: 0.088 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041956.D

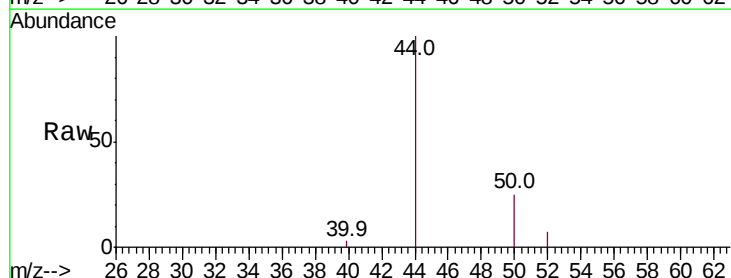
Acq: 12 Jan 2021 05:47

Tgt Ion: 50 Resp: 1076

Ion Ratio Lower Upper

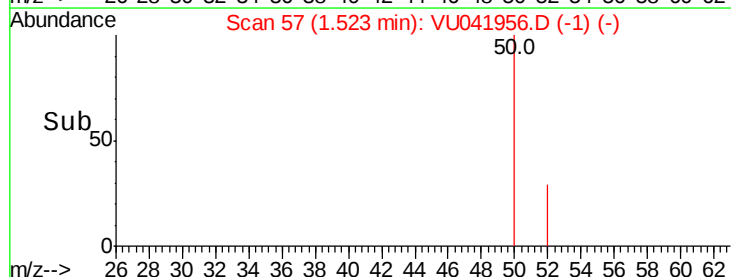
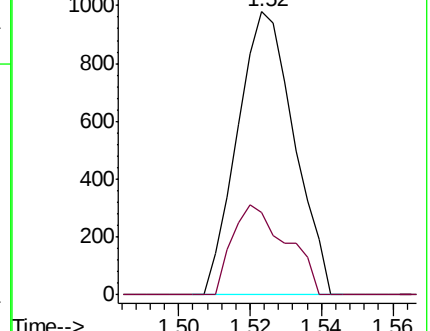
50 100

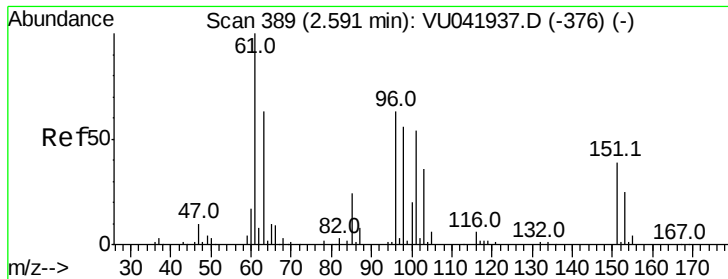
52 28.9 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VU041937.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041937.D (-48) (-)





#12

1,1-Dichloroethene

Concen: 15.517 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041956.D

Acq: 12 Jan 2021 05:47

Instrument :

MSVOA_U

ClientSampleId :

BFXN7

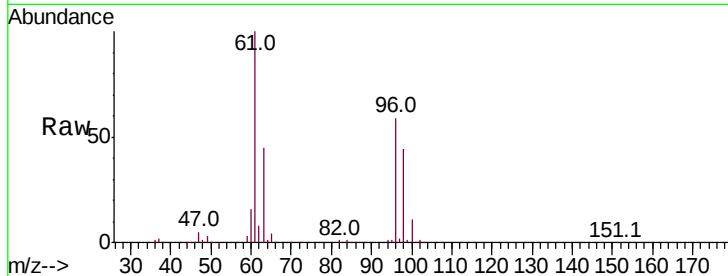
Tot Ion: 96 Resp: 140779

Ion Ratio Lower Upper

96 100

61 169.2 123.5 229.4

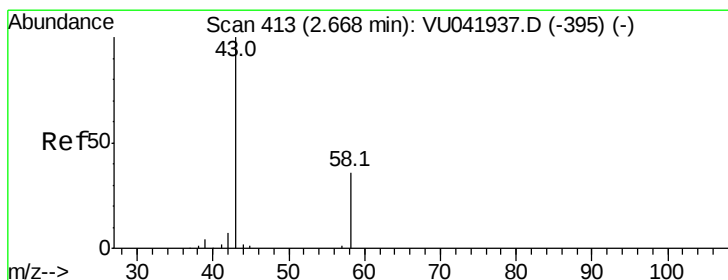
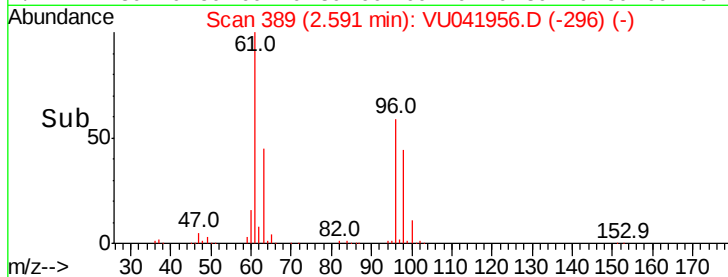
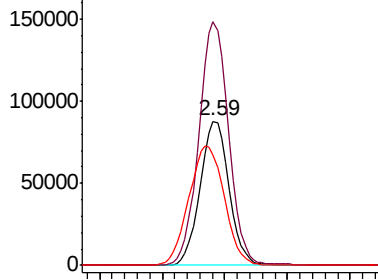
63 77.0 93.5 173.7#



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: 1.849 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU041956.D

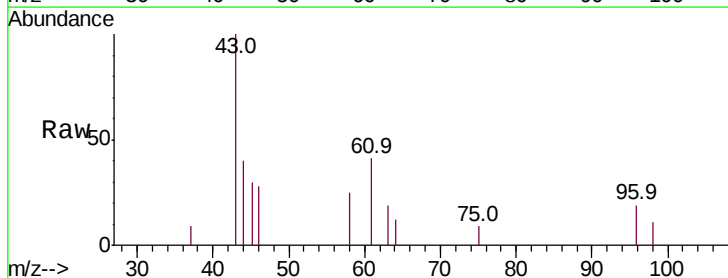
Acq: 12 Jan 2021 05:47

Tgt Ion: 43 Resp: 3268

Ion Ratio Lower Upper

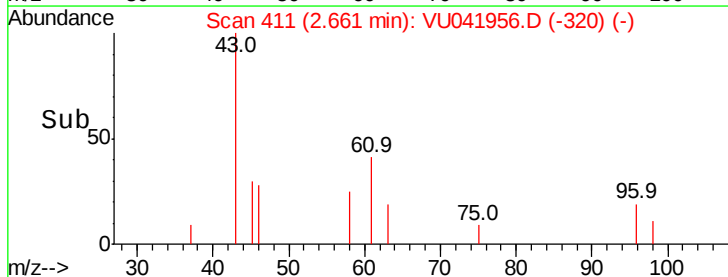
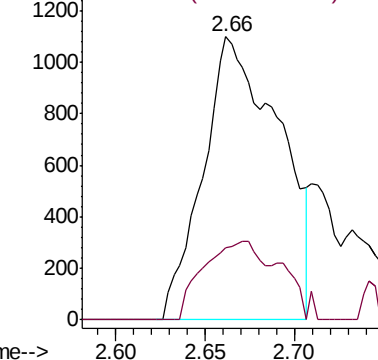
43 100

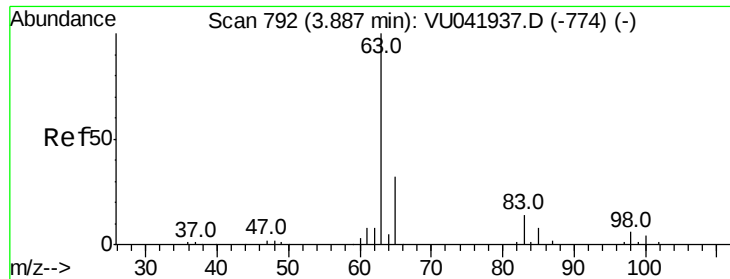
58 22.2 0.0 23.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

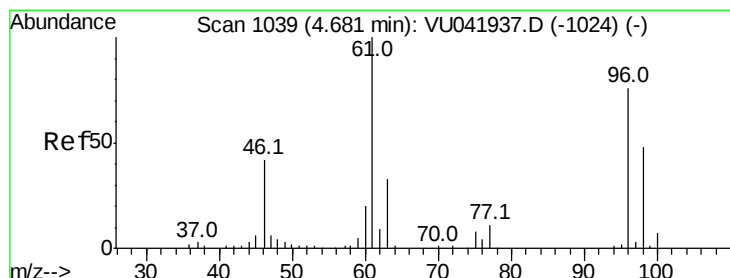
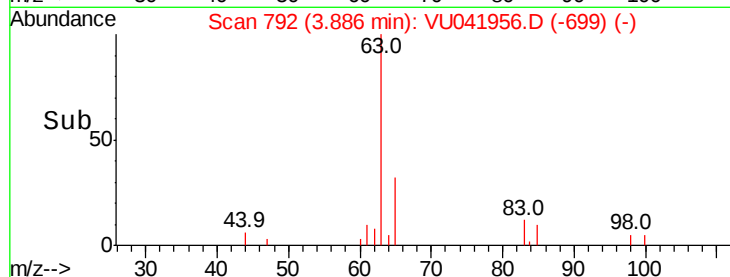
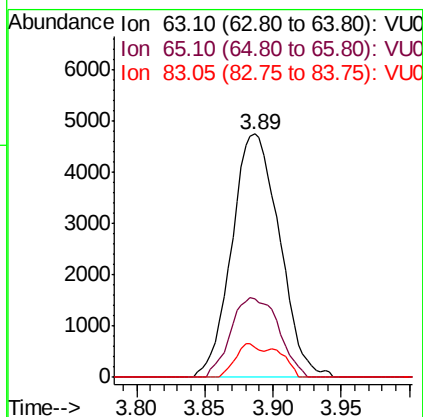
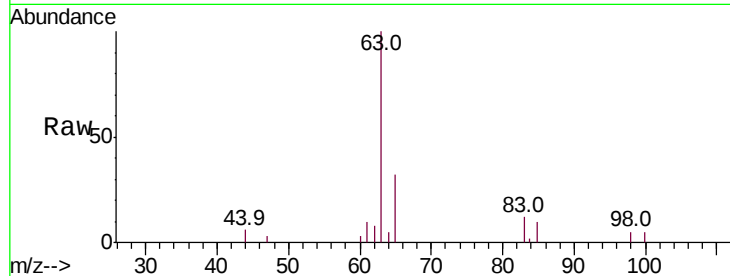




#19
 1,1-Dichloroethane
 Concen: 0.696 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041956.D
 Acq: 12 Jan 2021 05:47

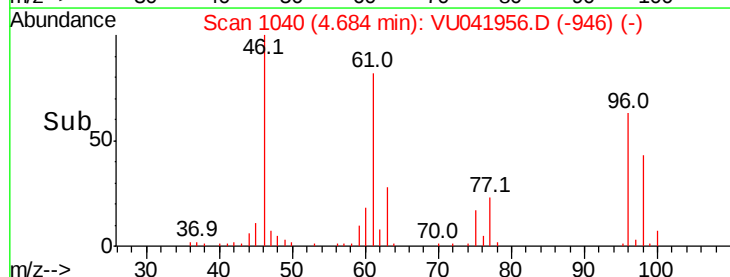
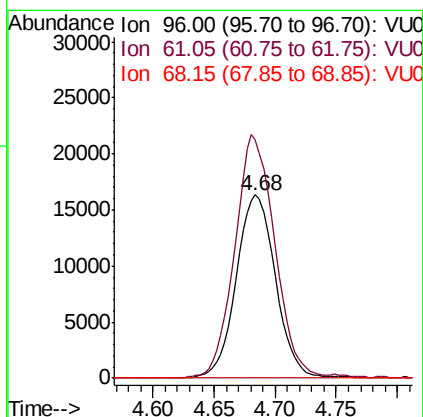
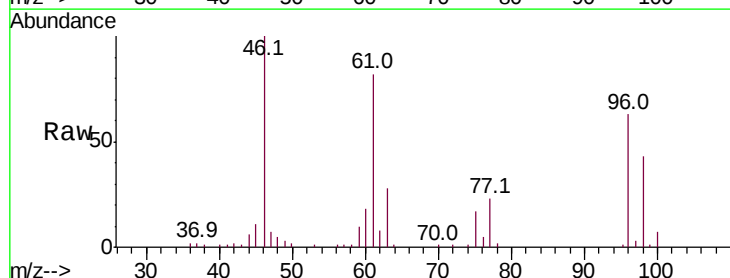
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXN7

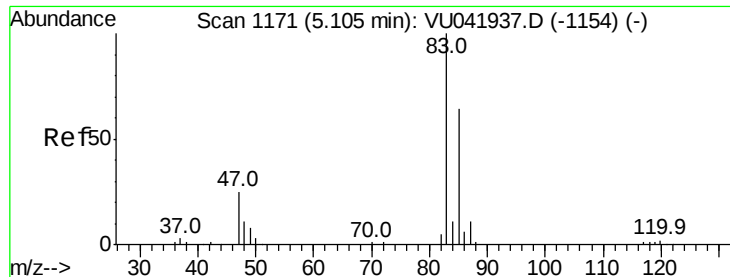
Tot Ion: 63 Resp: 11512
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.3 41.5
 83 12.2 9.0 16.8



#22
 cis-1,2-Dichloroethene
 Concen: 3.854 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041956.D
 Acq: 12 Jan 2021 05:47

Tgt Ion: 96 Resp: 36257
 Ion Ratio Lower Upper
 96 100
 61 130.1 90.3 167.7
 68 0.0 0.0 0.0

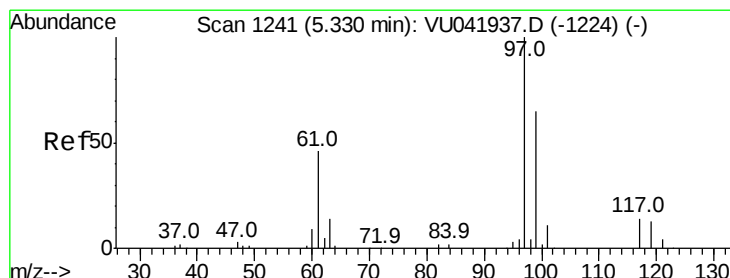
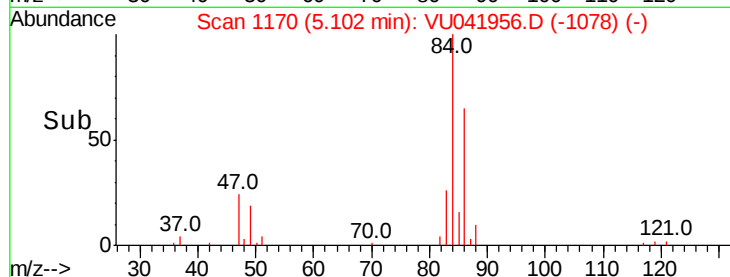
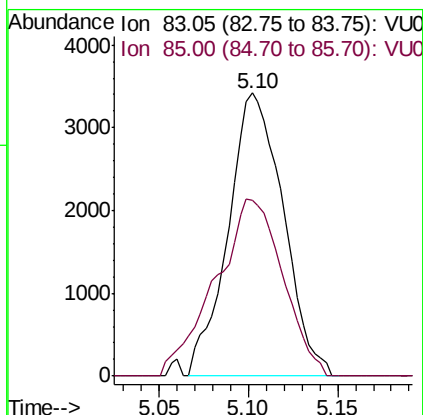
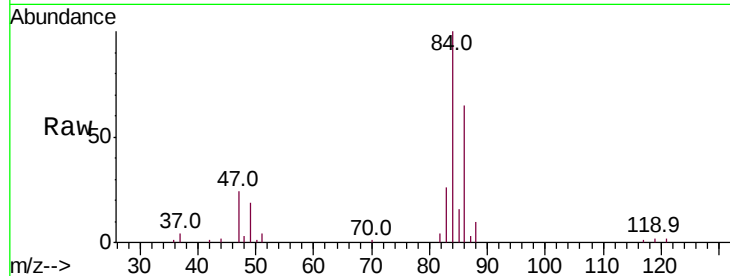




#25
Chloroform
Concen: 0.427 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041956.D
Acq: 12 Jan 2021 05:47

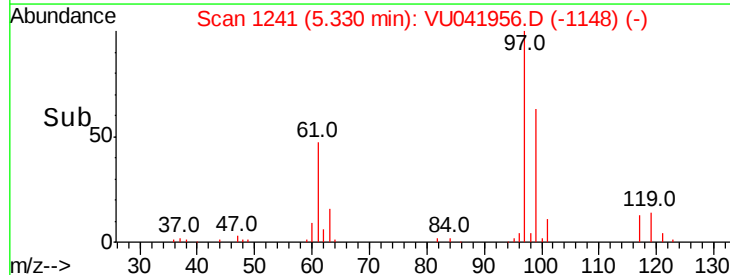
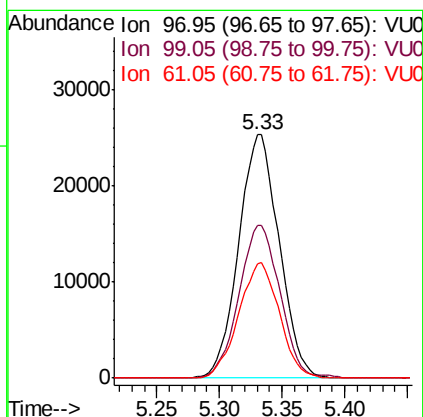
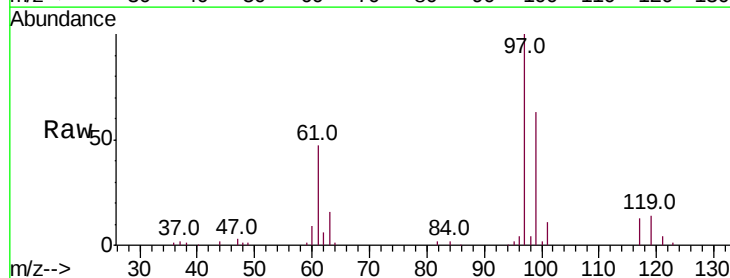
Instrument :
MSVOA_U
ClientSampleId :
BFXN7

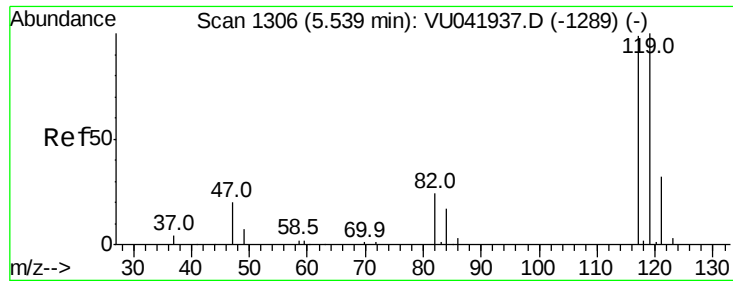
Tot Ion: 83 Resp: 7356
Ion Ratio Lower Upper
83 100
85 62.3 45.1 83.9



#29
1,1,1-Trichloroethane
Concen: 3.950 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU041956.D
Acq: 12 Jan 2021 05:47

Tgt Ion: 97 Resp: 56725
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.2
61 47.6 35.3 52.9

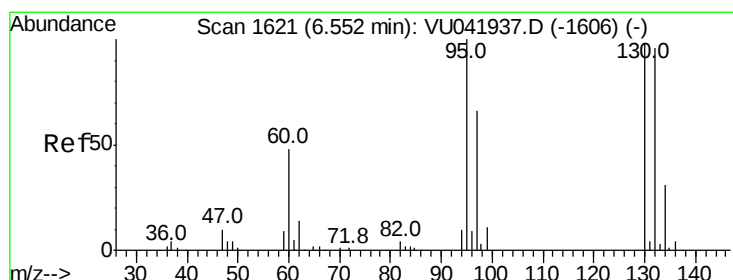
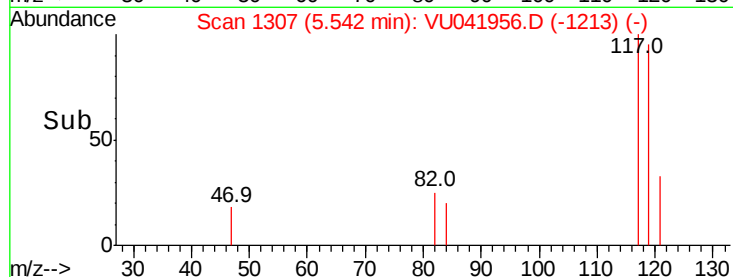
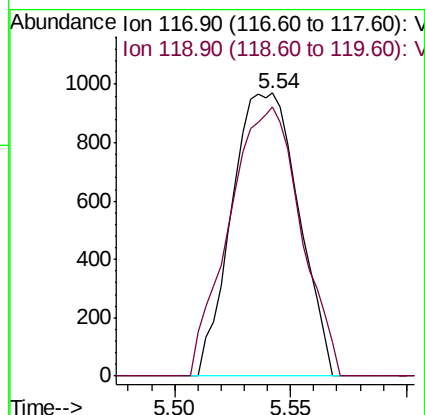
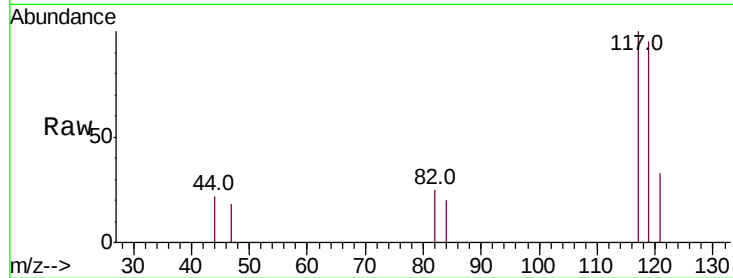




#31
Carbon tetrachloride
Concen: 0.156 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU041956.D
Acq: 12 Jan 2021 05:47

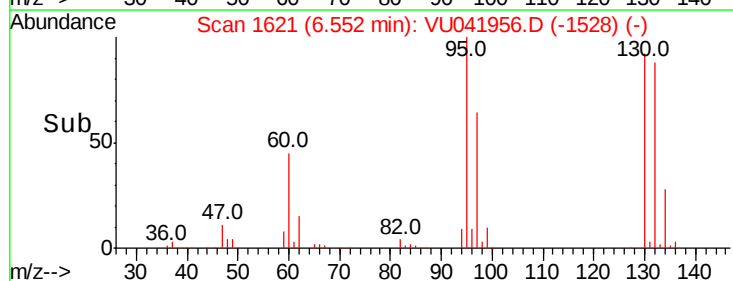
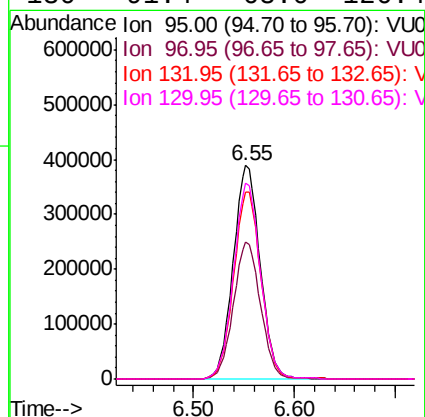
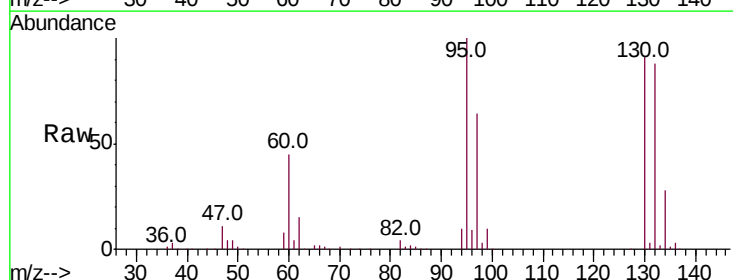
Instrument :
MSVOA_U
ClientSampled :
BFXN7

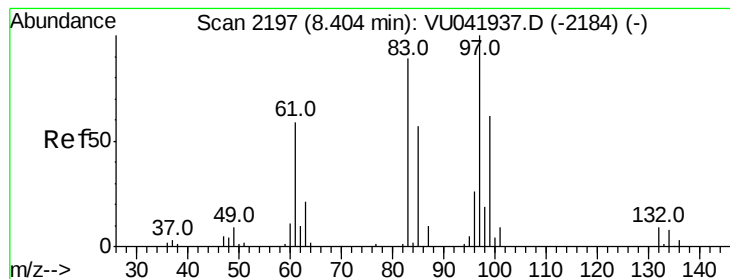
Tot Ion:117 Resp: 1940
Ion Ratio Lower Upper
117 100
119 101.7 75.0 112.4



#34
Trichloroethene
Concen: 77.876 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU041956.D
Acq: 12 Jan 2021 05:47

Tgt Ion: 95 Resp: 725031
Ion Ratio Lower Upper
95 100
97 64.1 45.2 84.0
132 87.8 68.7 127.5
130 91.4 68.0 126.4





#45

1,1,2-Trichloroethane

Concen: 0.206 ug/L

RT: 8.41 min Scan# 2199

Delta R.T. 0.01 min

Lab File: VU041956.D

Acq: 12 Jan 2021 05:47

Instrument :

MSVOA_U

ClientSampleId :

BFXN7

Tot Ion: 97 Resp: 1398

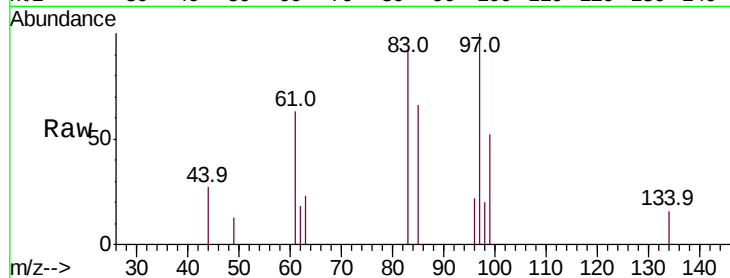
Ion Ratio Lower Upper

97 100

99 52.5 45.1 83.9

83 92.1 63.3 117.7

85 66.4 39.2 72.8



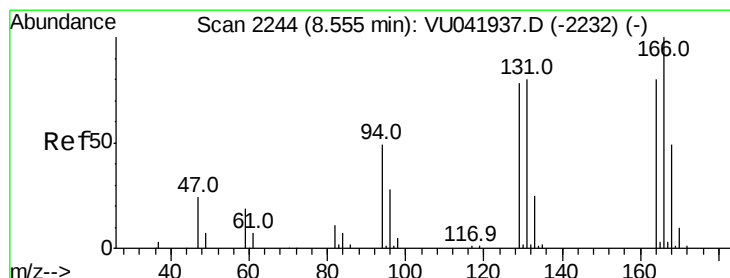
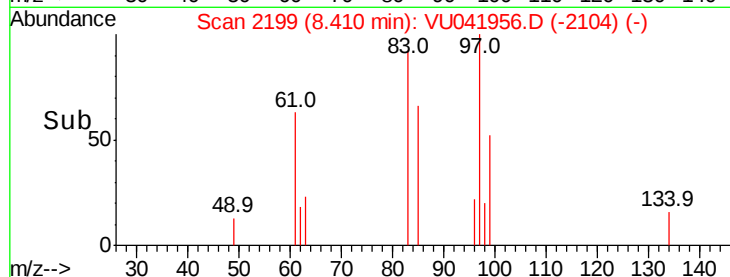
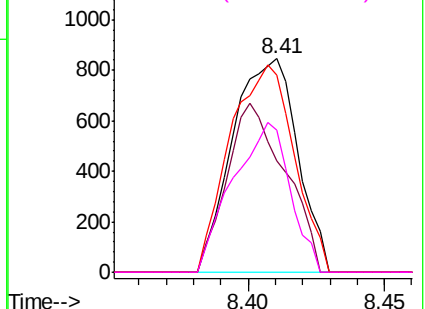
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 379.719 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041956.D

Acq: 12 Jan 2021 05:47

Tgt Ion:164 Resp: 2459960

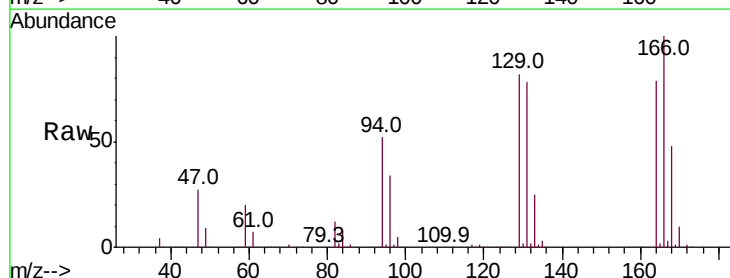
Ion Ratio Lower Upper

164 100

129 103.6 69.2 128.6

131 99.4 69.7 129.5

166 126.8 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

