

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 05:39:22 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

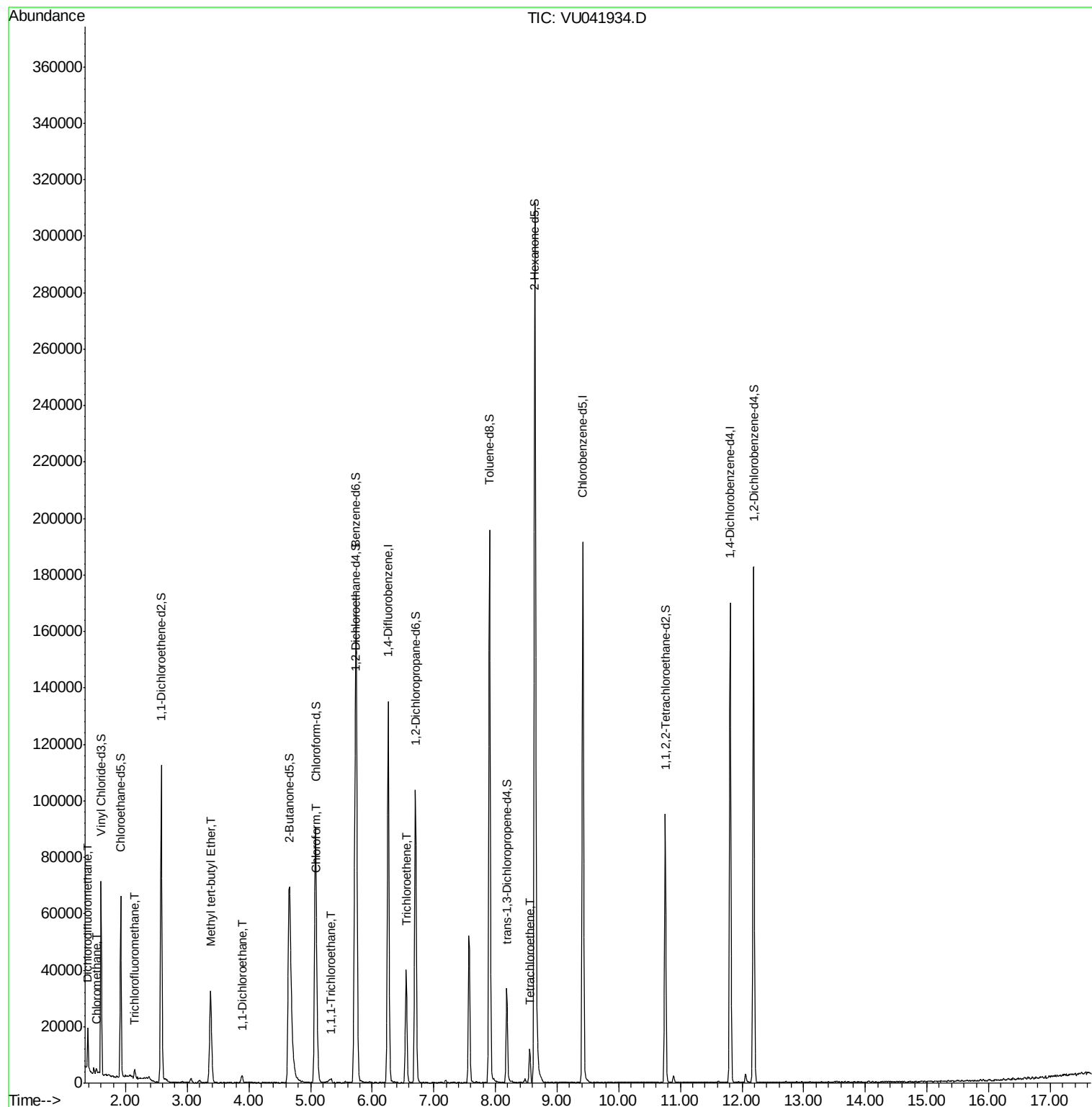
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	7961	0.747	ug/L	99
3) Chloromethane	1.52	50	1308	0.113	ug/L	88
9) Trichlorofluoromethane	2.15	101	1494	0.092	ug/L	85
17) Methyl tert-butyl Ether	3.38	73	36746	1.782	ug/L	99
19) 1,1-Dichloroethane	3.89	63	3038	0.194	ug/L	95
25) Chloroform	5.11	83	14631	0.896	ug/L	92
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
47) Tetrachloroethene	8.56	164	2897	0.443	ug/L	92

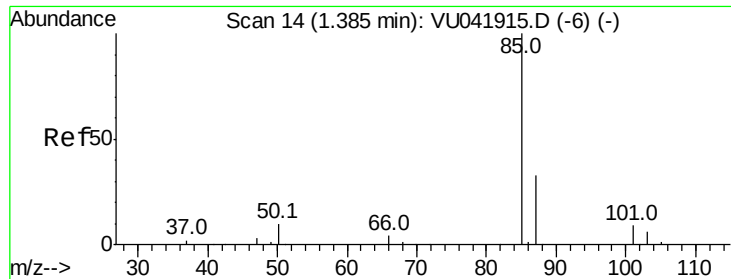
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

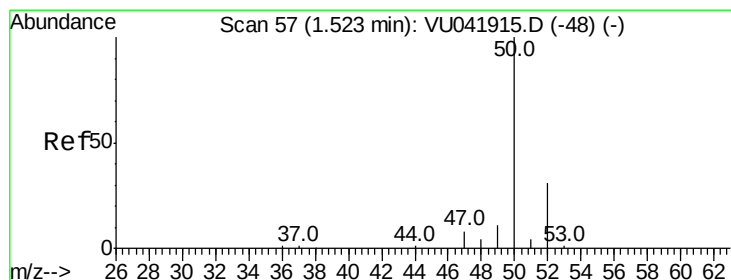
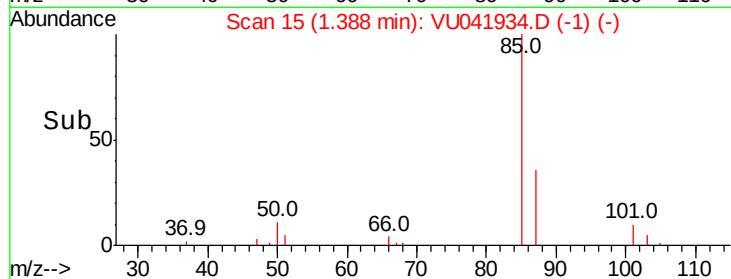
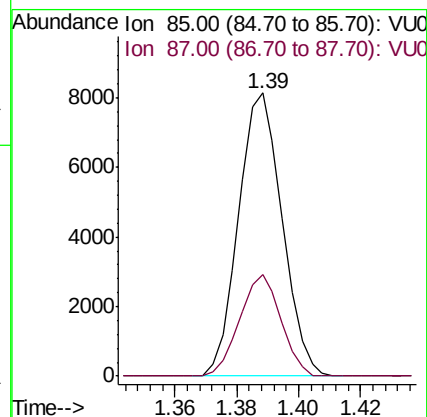
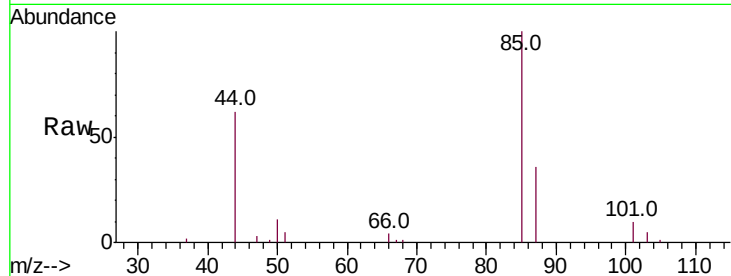
BFXL5

Tot Ion: 85 Resp: 7961

Ion Ratio Lower Upper

85 100

87 33.7 26.3 39.5



#3

Chloromethane

Concen: 0.113 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041934.D

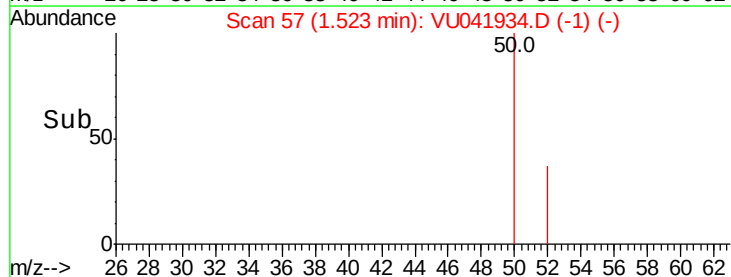
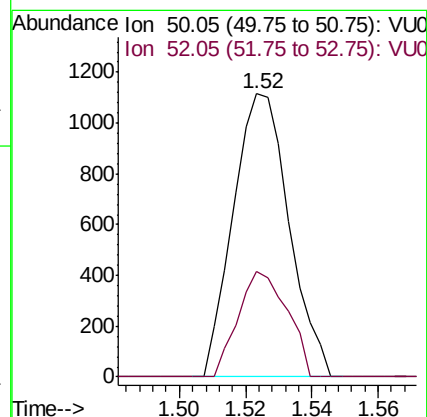
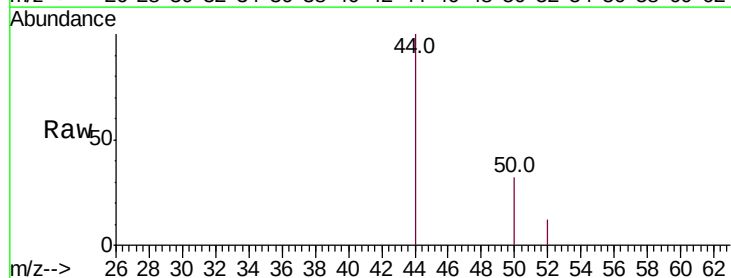
Acq: 11 Jan 2021 20:42

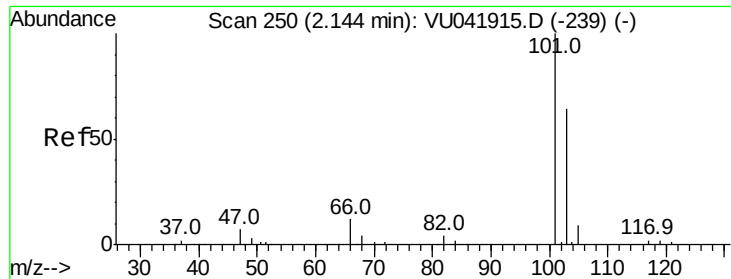
Tgt Ion: 50 Resp: 1308

Ion Ratio Lower Upper

50 100

52 37.4 21.4 39.8



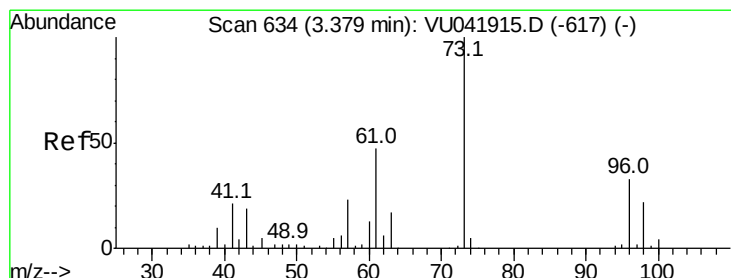
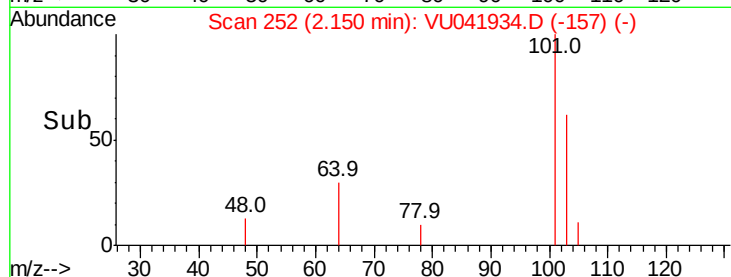
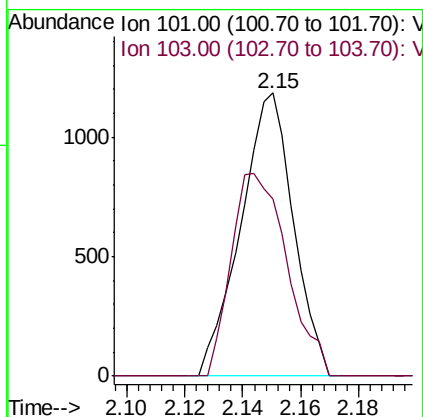
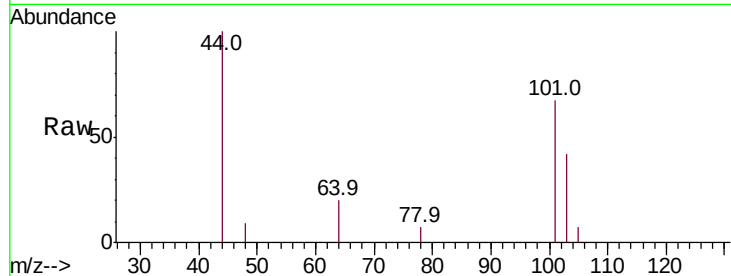


#9

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

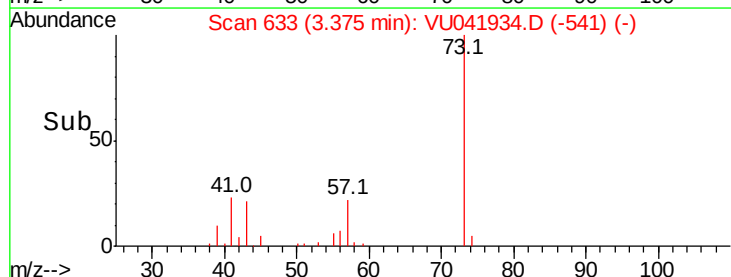
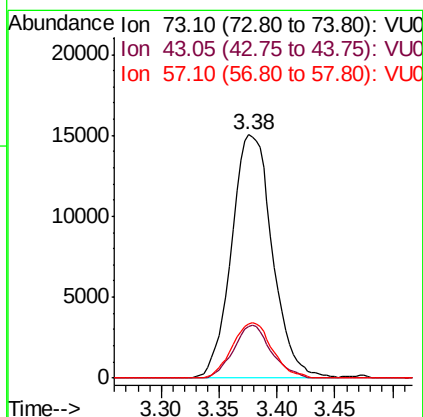
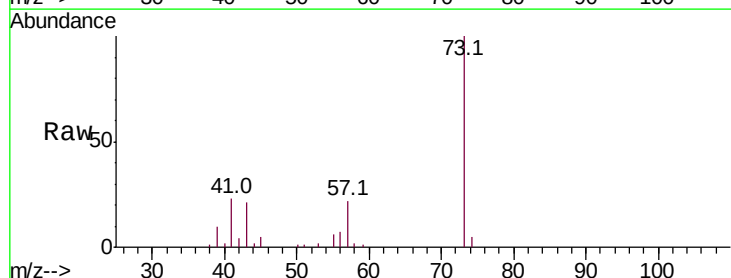
Tot Ion:101 Resp: 1494
Ion Ratio Lower Upper
101 100
103 75.8 51.3 76.9

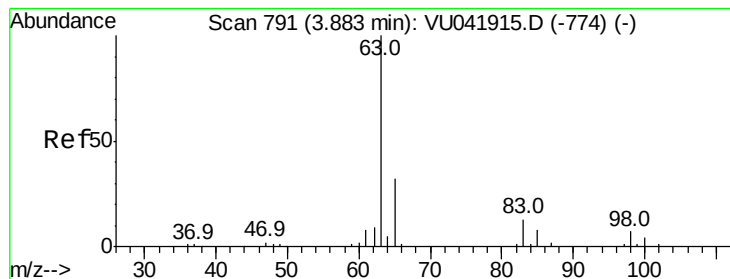


#17

Methyl tert-butyl 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

Tgt 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

Instrument :

MSVOA_U

ClientSampleId :

BFXL5

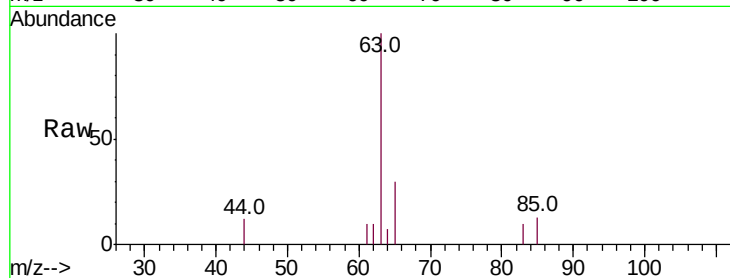
Tot Ion: 63 Resp: 3038

Ion Ratio Lower Upper

63 100

65 30.0 22.3 41.5

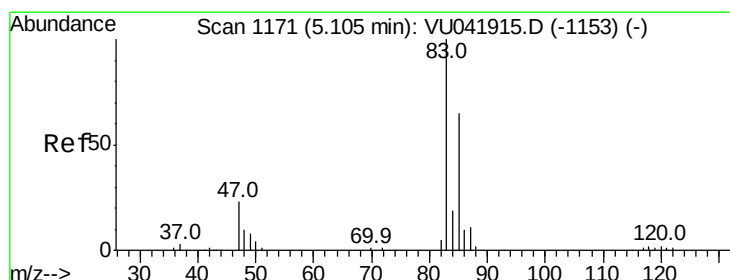
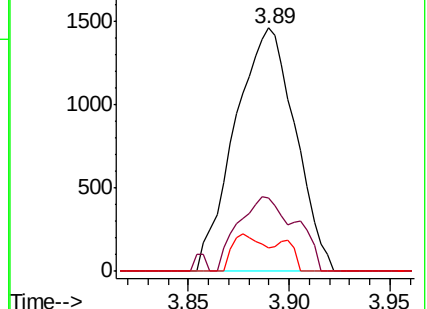
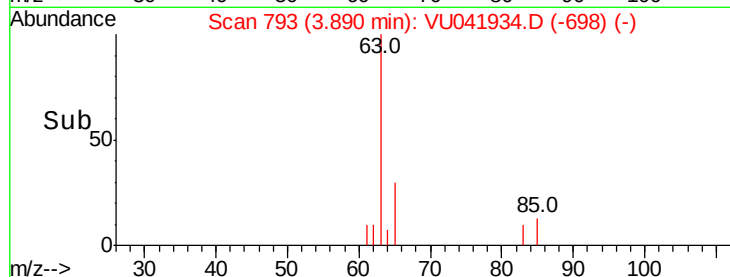
83 9.8 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU041915.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU041915.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU041915.D (-774) (-)



#25

Chloroform

Concen: 0.896 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU041934.D

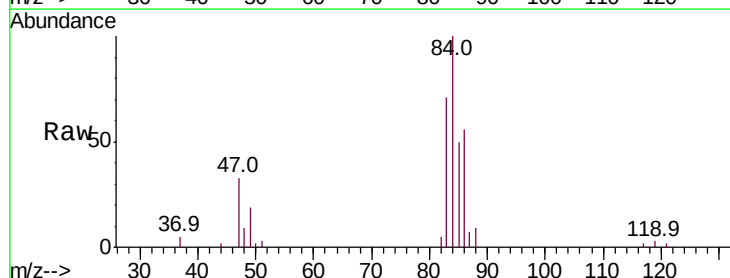
Acq: 11 Jan 2021 20:42

Tgt Ion: 83 Resp: 14631

Ion Ratio Lower Upper

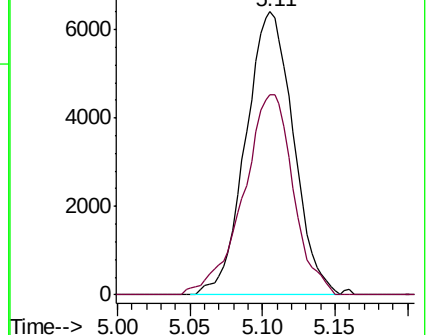
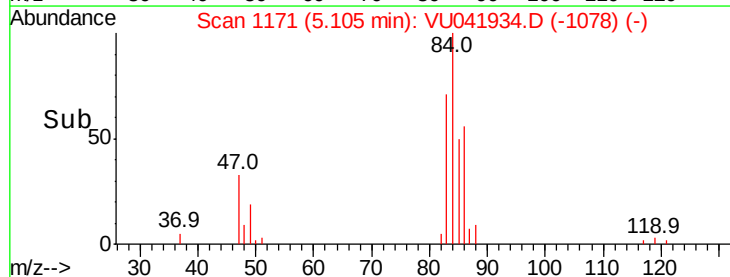
83 100

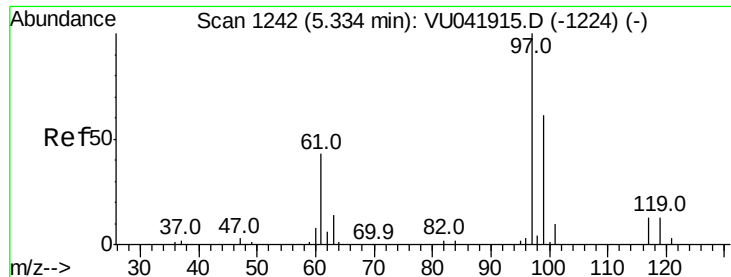
85 70.5 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU041915.D (-1153) (-)

Ion 85.00 (84.70 to 85.70): VU041915.D (-1153) (-)

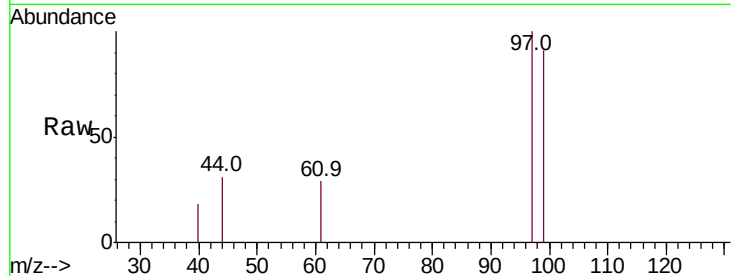




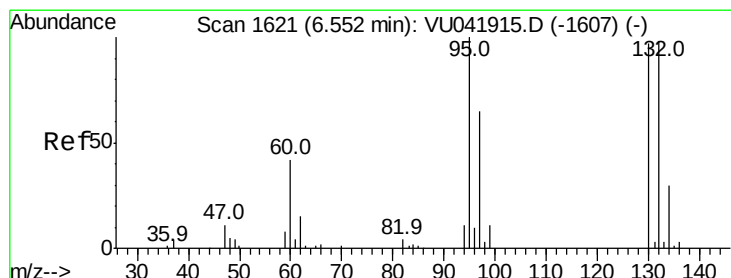
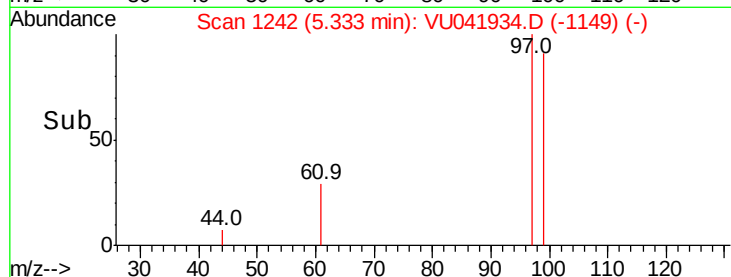
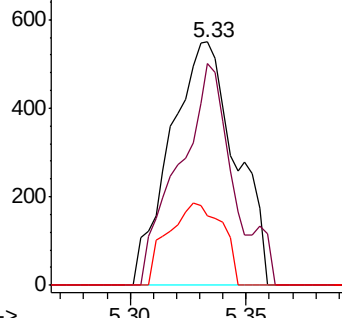
#29
1,1,1-Trichloroethane
Concen: 0.074 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU041934.D
Acq: 11 Jan 2021 20:42

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#

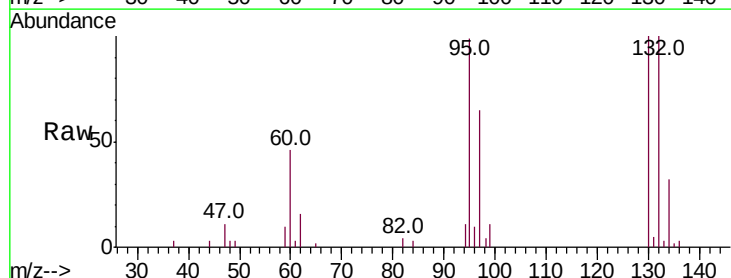


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

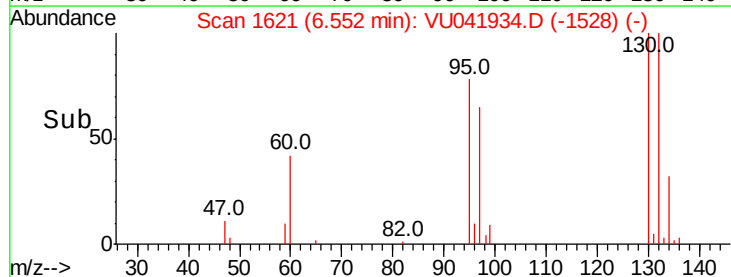
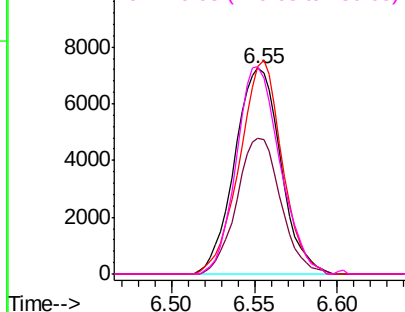


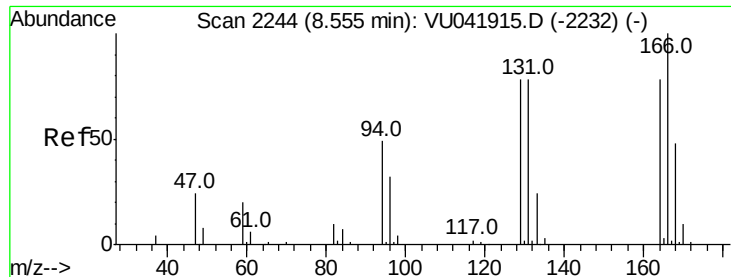
#34
Trichloroethene
Concen: 1.493 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU041934.D
Acq: 11 Jan 2021 20:42

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): VU0
Ion 129.95 (129.65 to 130.65): VU0





#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

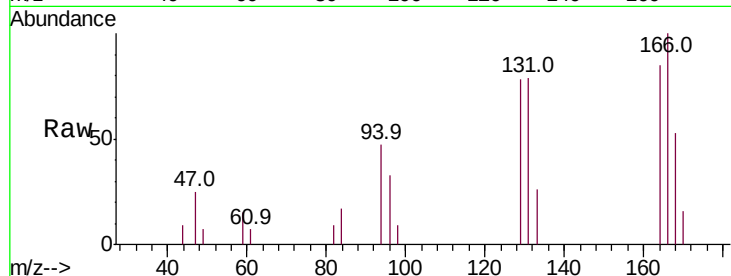
Ion Ratio Lower Upper

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

