

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
 Data File : VU041888.D
 Acq On : 07 Jan 2021 21:28
 Operator : SY/MD
 Sample : M1026-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXM0

Quant Time: Jan 08 06:53:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 08 04:58:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	132608	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132548	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56657	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41286	3.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.60%
7) Chloroethane-d5	1.92	69	42849	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.58	63	65777	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	4.65	46	167132	56.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.24%
24) Chloroform-d	5.08	84	96266	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.72	65	56089	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
32) Benzene-d6	5.74	84	183581	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.70	67	61911	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.90	98	154288	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.18	79	23810	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.64	63	141609	48.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.82%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54917	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	60012	5.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.20%

Target Compounds

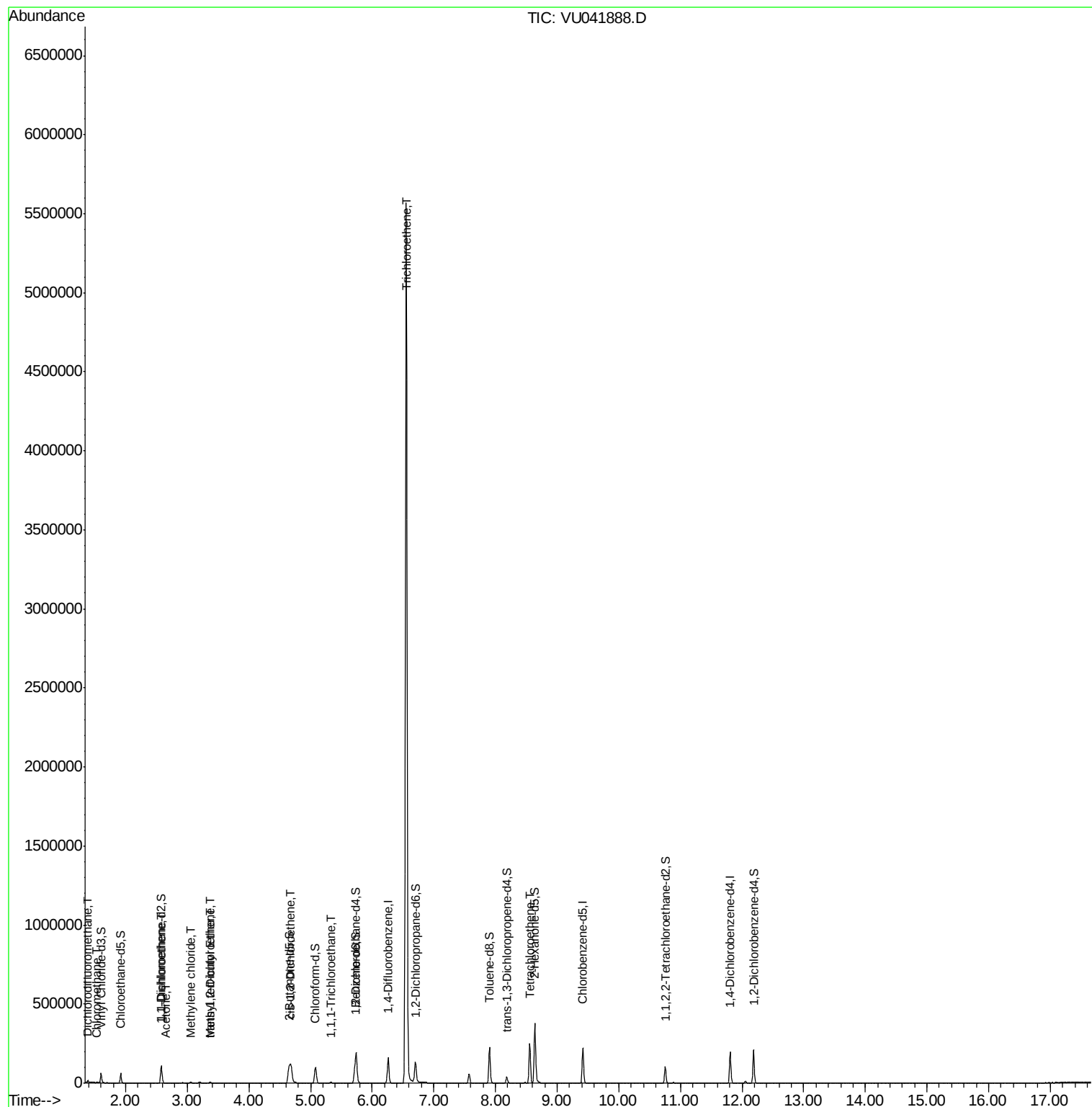
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.39	85	6645	0.592	ug/L	96
3) Chloromethane	1.52	50	867	0.079	ug/L	84
12) 1,1-Dichloroethene	2.59	96	4521	0.503	ug/L #	1
13) Acetone	2.66	43	2891	1.526	ug/L	88
16) Methylene chloride	3.06	84	2274	0.212	ug/L	82
17) Methyl tert-butyl Ether	3.38	73	4135	0.172	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	1145	0.123	ug/L	80
22) cis-1,2-Dichloroethene	4.68	96	41450	4.031	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	3163	0.208	ug/L	96
34) Trichloroethene	6.55	95	1947480	182.824	ug/L	96
47) Tetrachloroethene	8.56	164	55740	7.475	ug/L	98

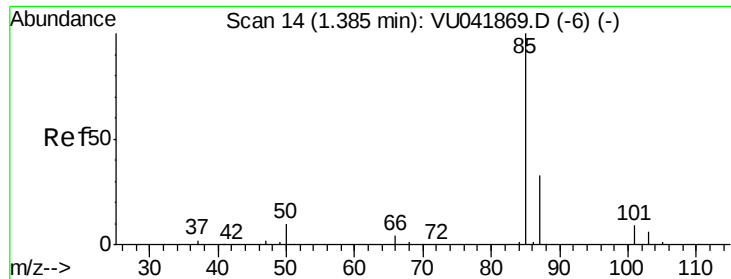
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.592 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041888.D

Acq: 07 Jan 2021 21:28

Instrument :

MSVOA_U

ClientSampleId :

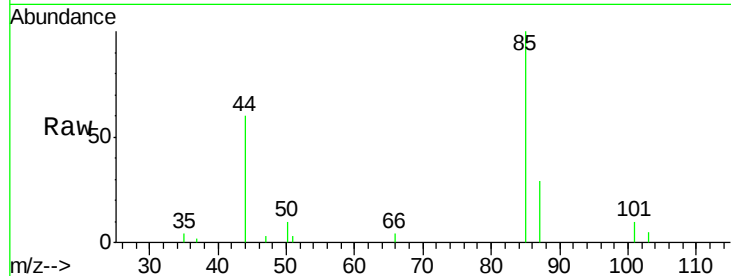
BFXM0

Tgt Ion: 85 Resp: 6645

Ion Ratio Lower Upper

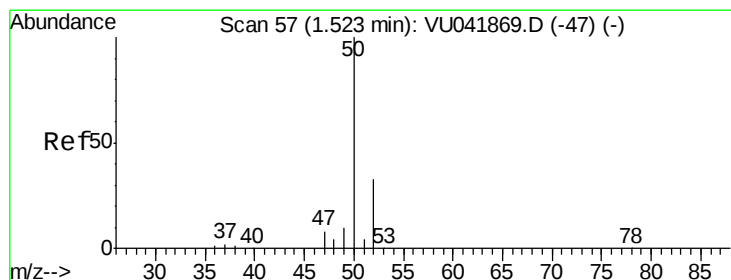
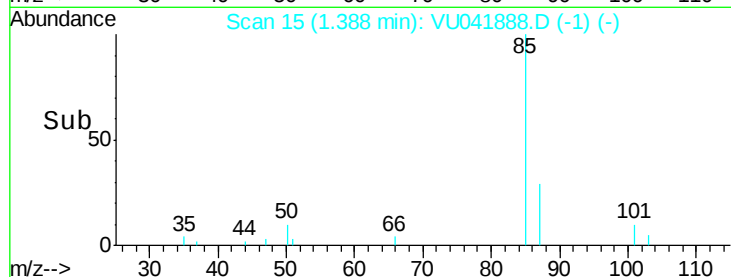
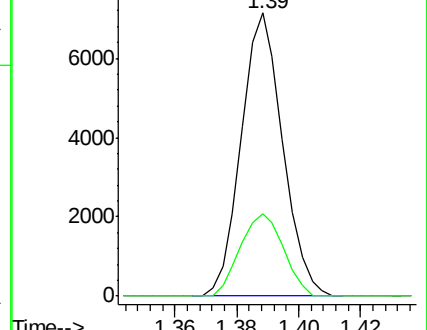
85 100

87 30.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041869.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VU041869.D (-6) (-)



#3

Chloromethane

Concen: 0.079 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041888.D

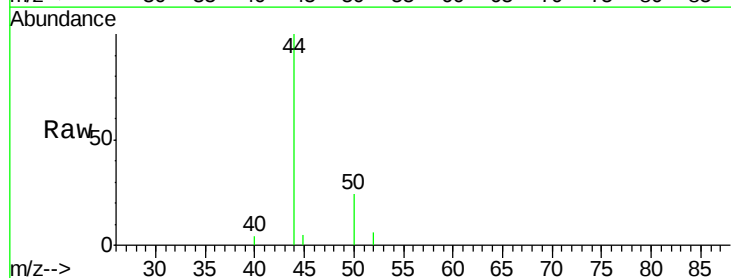
Acq: 07 Jan 2021 21:28

Tgt Ion: 50 Resp: 867

Ion Ratio Lower Upper

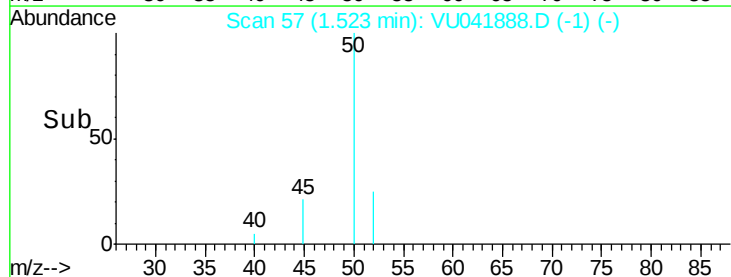
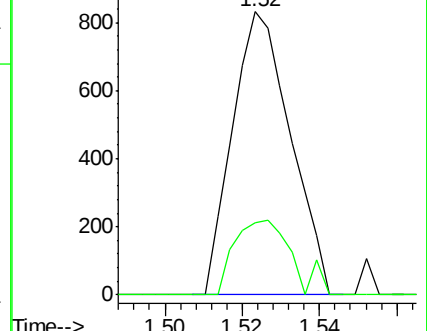
50 100

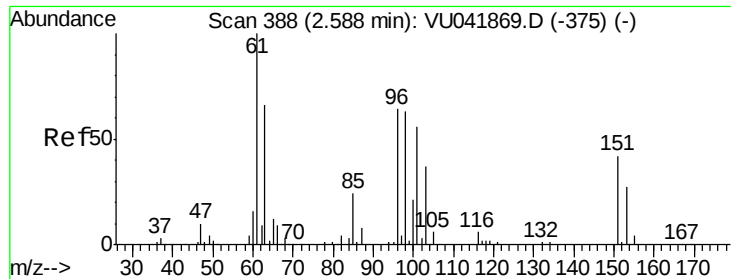
52 25.5 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041869.D (-47) (-)

Ion 52.05 (51.75 to 52.75): VU041869.D (-47) (-)

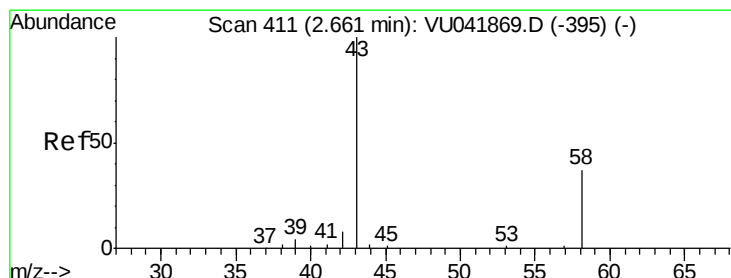
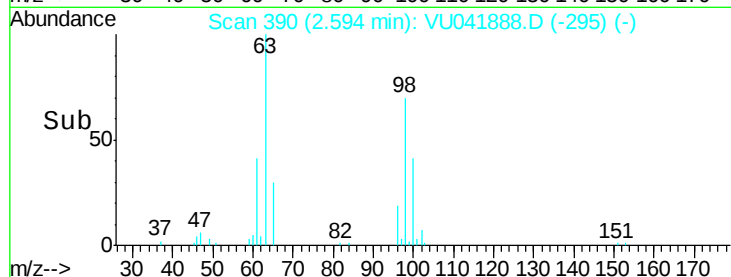
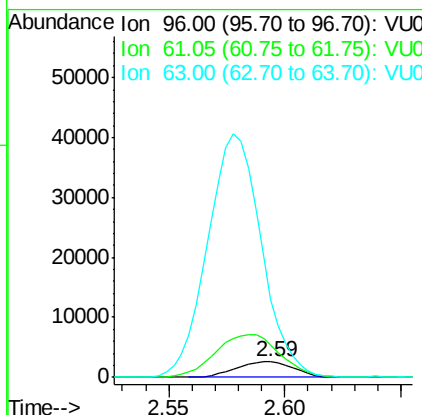
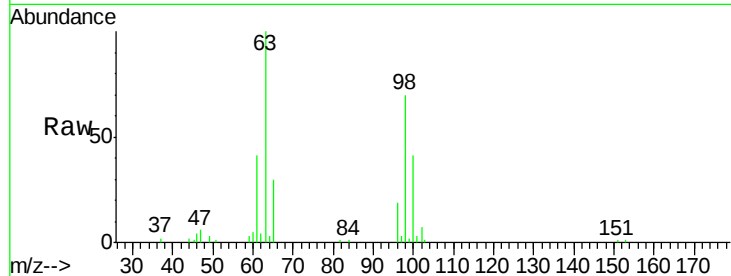




#12
 1,1-Dichloroethene
 Concen: 0.503 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: VU041888.D
 Acq: 07 Jan 2021 21:28

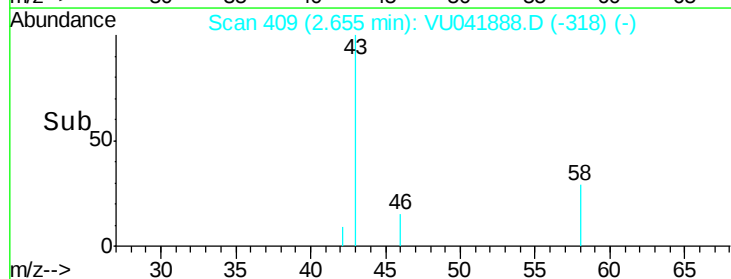
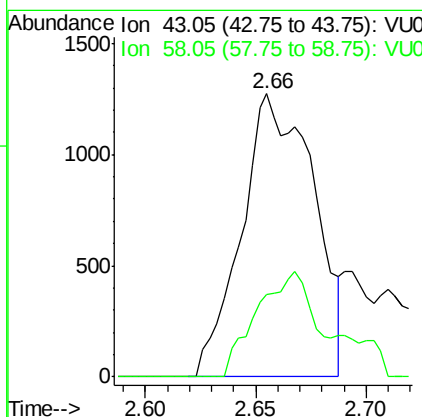
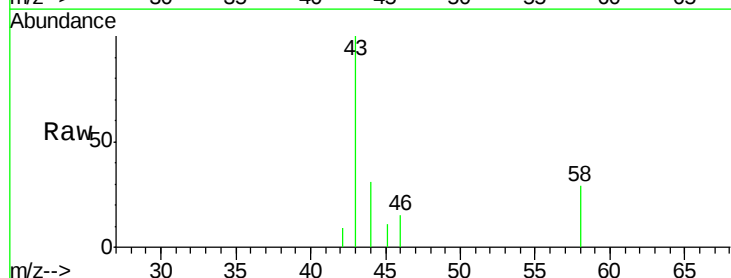
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXM0

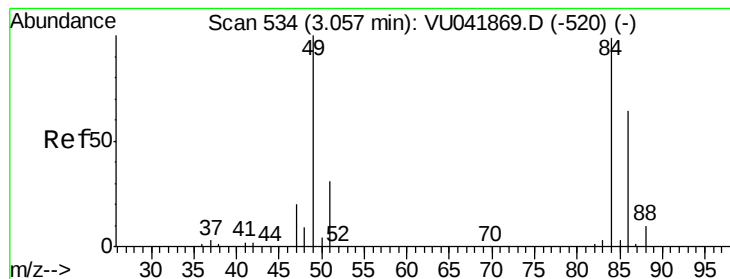
Tgt Ion: 96 Resp: 4521
 Ion Ratio Lower Upper
 96 100
 61 210.9 123.8 230.0
 63 513.8 81.0 150.4#



#13
 Acetone
 Concen: 1.526 ug/L
 RT: 2.66 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VU041888.D
 Acq: 07 Jan 2021 21:28

Tgt Ion: 43 Resp: 2891
 Ion Ratio Lower Upper
 43 100
 58 29.6 0.0 73.2





#16

Methylene chloride

Concen: 0.212 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041888.D

Acq: 07 Jan 2021 21:28

Instrument :

MSVOA_U

ClientSampleId :

BFXM0

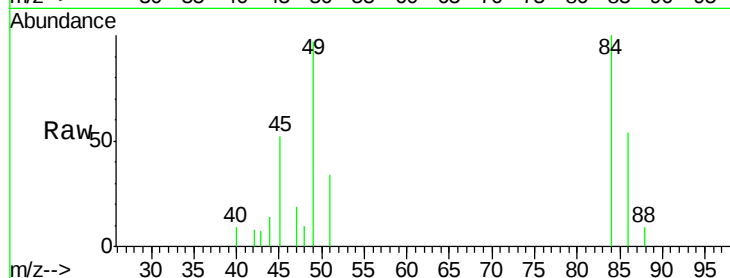
Tgt Ion: 84 Resp: 2274

Ion Ratio Lower Upper

84 100

86 53.9 45.1 83.7

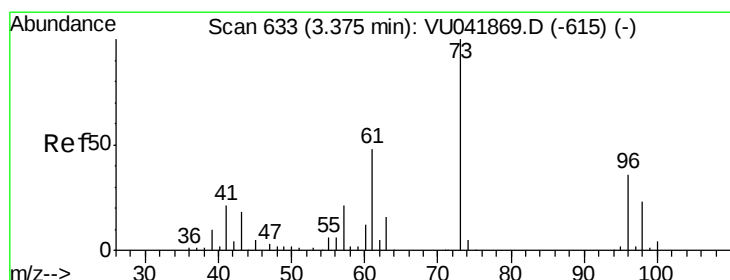
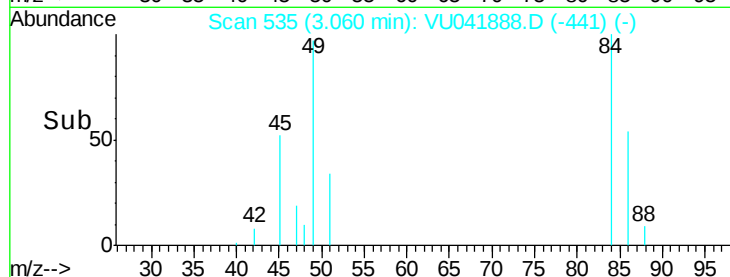
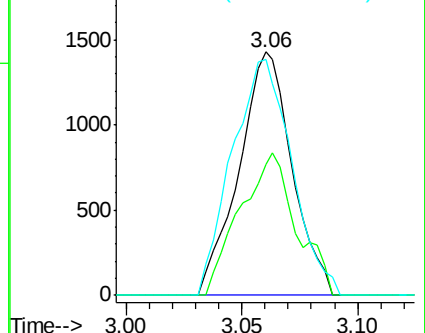
49 96.7 83.1 154.3



Abundance Ion 84.05 (83.75 to 84.75): VU041869.D (-520) (-)

Ion 86.00 (85.70 to 86.70): VU041869.D (-520) (-)

Ion 49.10 (48.80 to 49.80): VU041869.D (-520) (-)



#17

Methyl tert-butyl Ether

Concen: 0.172 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU041888.D

Acq: 07 Jan 2021 21:28

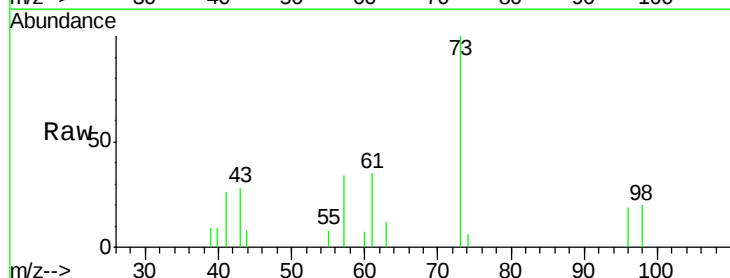
Tgt Ion: 73 Resp: 4135

Ion Ratio Lower Upper

73 100

43 17.8 14.7 22.1

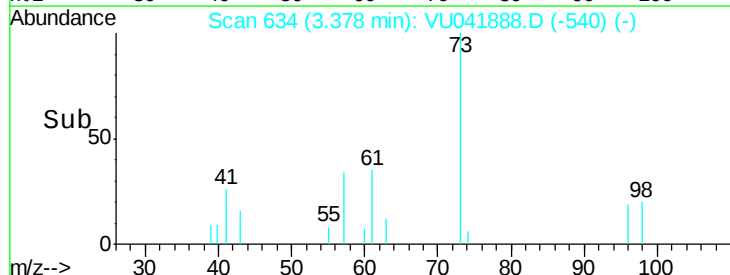
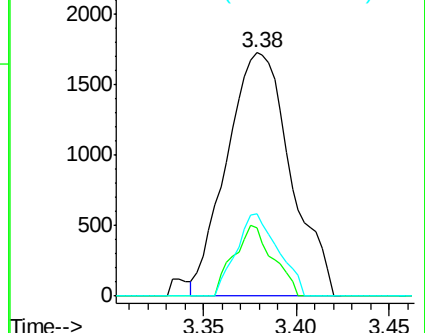
57 22.3 18.2 27.4

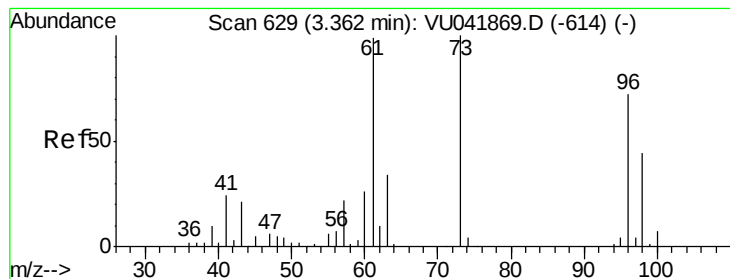


Abundance Ion 73.10 (72.80 to 73.80): VU041869.D (-615) (-)

Ion 43.05 (42.75 to 43.75): VU041869.D (-615) (-)

Ion 57.10 (56.80 to 57.80): VU041869.D (-615) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.123 ug/L

RT: 3.37 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU041888.D

Acq: 07 Jan 2021 21:28

Instrument :

MSVOA_U

ClientSampleId :

BFXM0

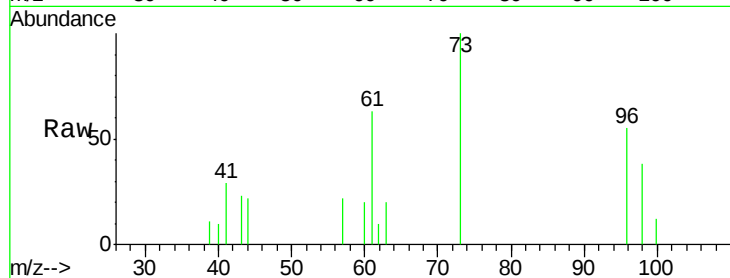
Tgt Ion: 96 Resp: 1145

Ion Ratio Lower Upper

96 100

61 113.0 101.8 189.0

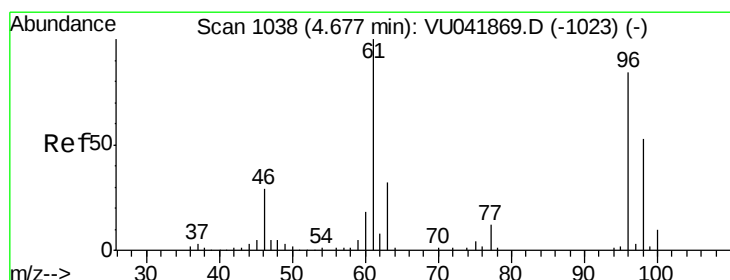
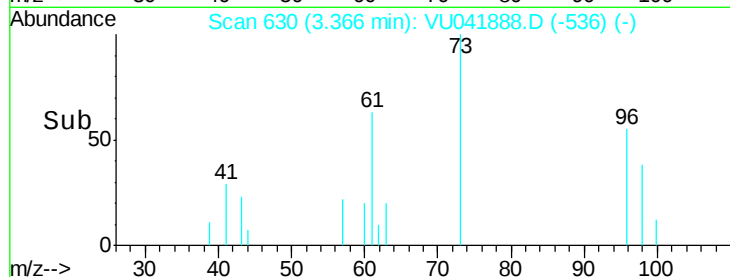
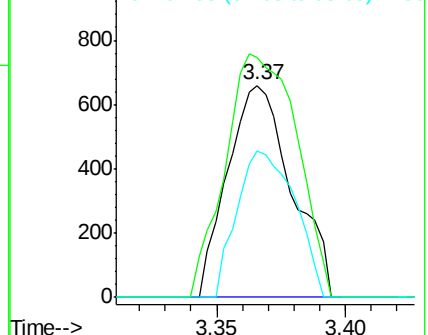
98 69.1 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU041869.D (-614) (-)

Ion 61.05 (60.75 to 61.75): VU041869.D (-614) (-)

Ion 97.95 (97.65 to 98.65): VU041869.D (-614) (-)



#22

cis-1,2-Dichloroethene

Concen: 4.031 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VU041888.D

Acq: 07 Jan 2021 21:28

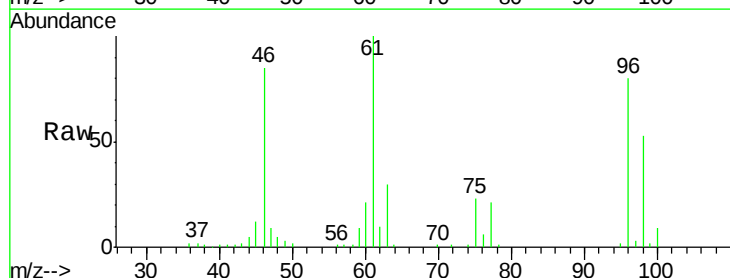
Tgt Ion: 96 Resp: 41450

Ion Ratio Lower Upper

96 100

61 125.1 88.8 165.0

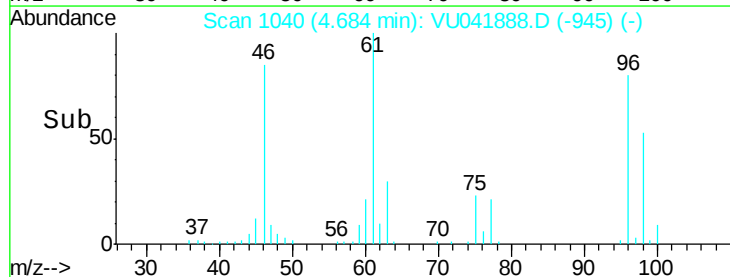
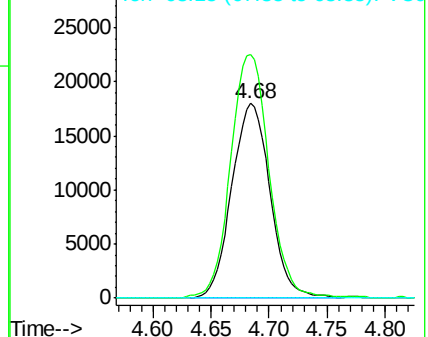
68 0.0 0.0 0.0

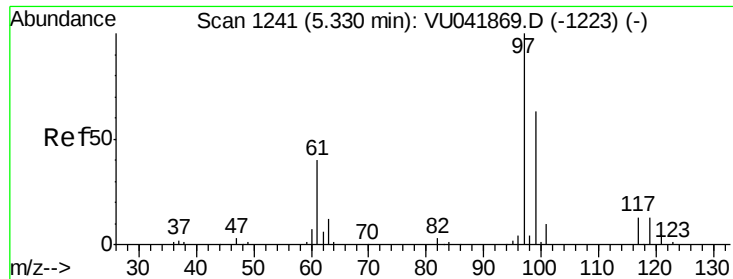


Abundance Ion 96.00 (95.70 to 96.70): VU041869.D (-1023) (-)

Ion 61.05 (60.75 to 61.75): VU041869.D (-1023) (-)

Ion 68.15 (67.85 to 68.85): VU041869.D (-1023) (-)

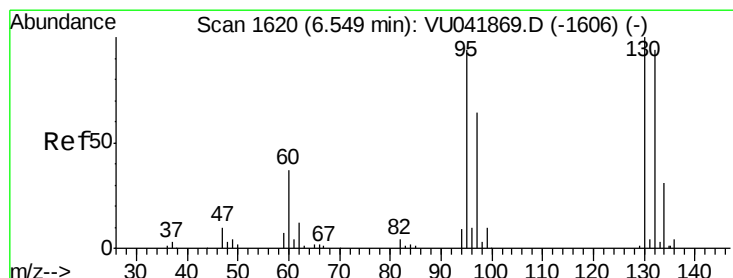
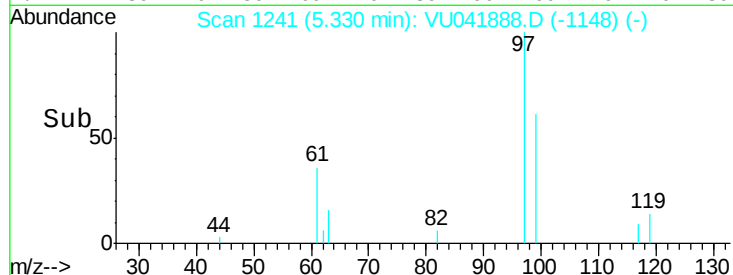
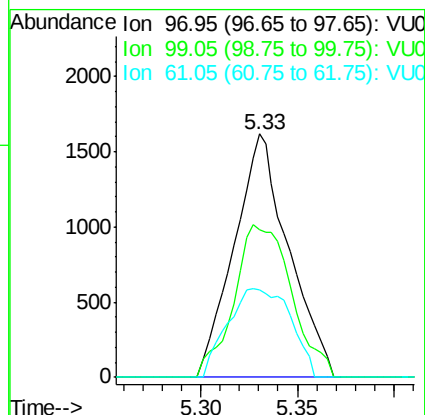
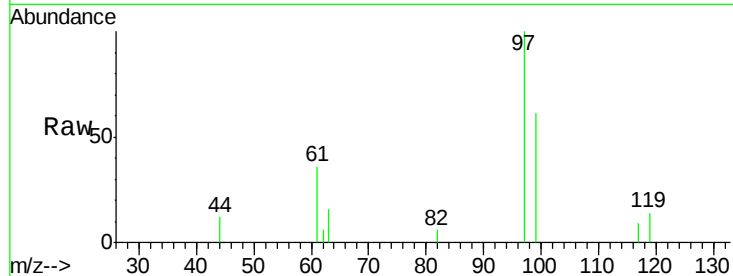




#29
1,1,1-Trichloroethane
Concen: 0.208 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VU041888.D
Acq: 07 Jan 2021 21:28

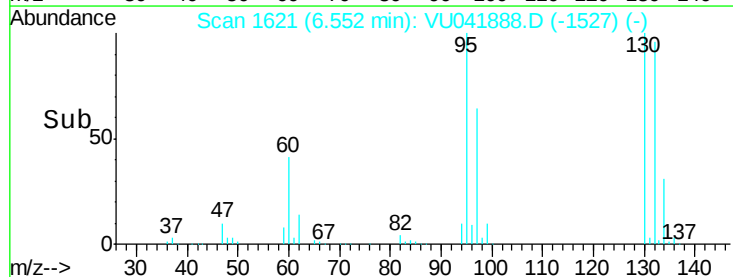
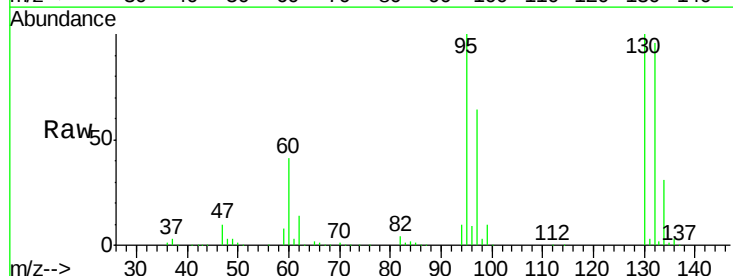
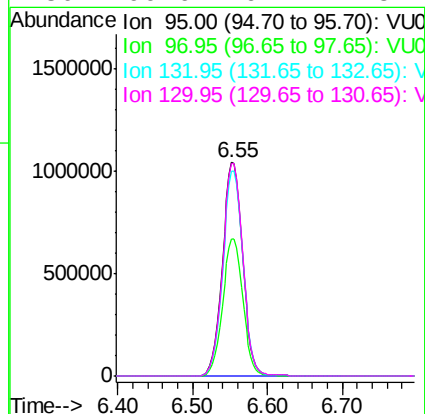
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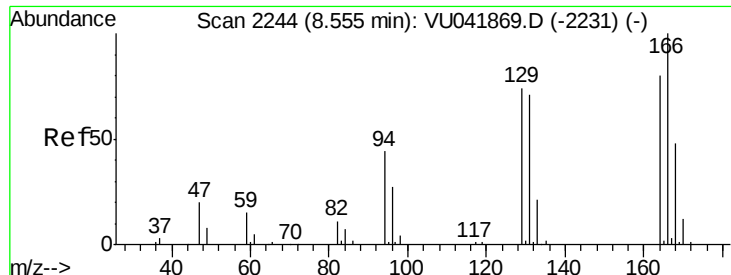
Tgt Ion: 97 Resp: 3163
Ion Ratio Lower Upper
97 100
99 66.1 51.3 76.9
61 42.0 36.5 54.7



#34
Trichloroethene
Concen: 182.824 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VU041888.D
Acq: 07 Jan 2021 21:28

Tgt Ion: 95 Resp: 1947480
Ion Ratio Lower Upper
95 100
97 63.9 43.9 81.5
132 95.7 63.1 117.3
130 99.6 67.4 125.2





#47

Tetrachloroethene

Concen: 7.475 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041888.D

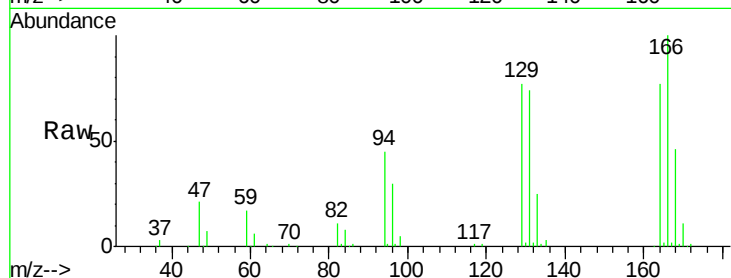
Acq: 07 Jan 2021 21:28

Instrument :

MSVOA_U

ClientSampleId :

BFXM0



Tgt Ion:164 Resp: 55740

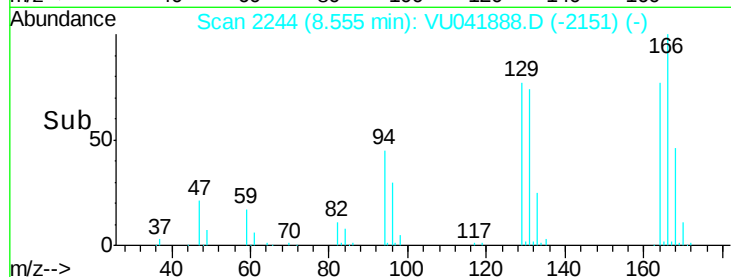
Ion Ratio Lower Upper

164 100

129 99.7 72.2 134.0

131 96.0 66.9 124.3

166 129.1 89.6 166.4



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

