

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
 Data File : VU041903.D
 Acq On : 08 Jan 2021 14:24
 Operator : SY/MD
 Sample : M1027-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXQ8

Quant Time: Jan 09 02:32:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 09 01:31:59 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	135422	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	129077	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55522	5.00	ug/L	0.00

System Monitoring Compounds

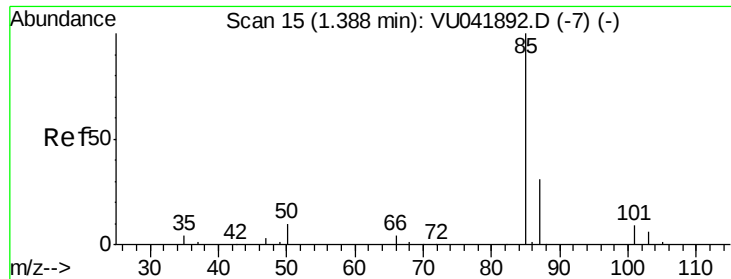
4) Vinyl Chloride-d3	1.60	65	36199	3.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.40%
7) Chloroethane-d5	1.92	69	41011	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.58	63	58563	3.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.00%
20) 2-Butanone-d5	4.65	46	157320	51.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.46%
24) Chloroform-d	5.08	84	97002	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
26) 1,2-Dichloroethane-d4	5.72	65	53975	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.74	84	181582	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.70	67	61433	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.91	98	146071	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	8.19	79	20394	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.64	63	117384	41.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.42%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50352	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	59950	6.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.40%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.39	85	2344	0.204	ug/L #	83
3) Chloromethane	1.52	50	1357	0.122	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1479	0.159	ug/L #	85
13) Acetone	2.65	43	4152	2.146	ug/L	88
16) Methylene chloride	3.06	84	3910	0.356	ug/L	99
17) Methyl tert-butyl Ether	3.39	73	3305	0.135	ug/L #	92
18) trans-1,2-Dichloroethene	3.37	96	43893	4.619	ug/L	94
19) 1,1-Dichloroethane	3.89	63	1811	0.102	ug/L #	83
22) cis-1,2-Dichloroethene	4.68	96	92389	8.797	ug/L	94
29) 1,1,1-Trichloroethane	5.34	97	4952	0.334	ug/L	97
33) Benzene	5.78	78	4031	0.098	ug/L	100
34) Trichloroethene	6.55	95	747760	72.085	ug/L	97
47) Tetrachloroethene	8.56	164	37343	5.143	ug/L	93

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

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ALS Vial : 37 Sample Multiplier: 1



#2

Dichlorodifluoromethane

Concen: 0.204 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041903.D

Acq: 08 Jan 2021 14:24

Instrument :

MSVOA_U

ClientSampleId :

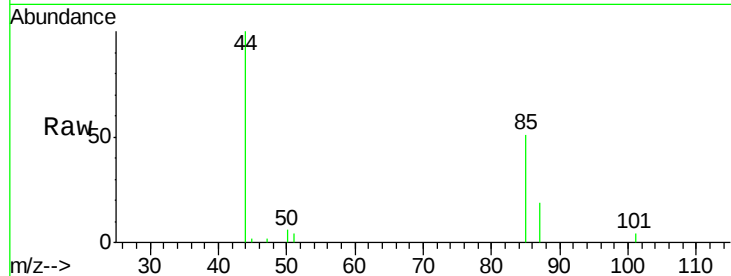
BFXQ8

Tgt Ion: 85 Resp: 2344

Ion Ratio Lower Upper

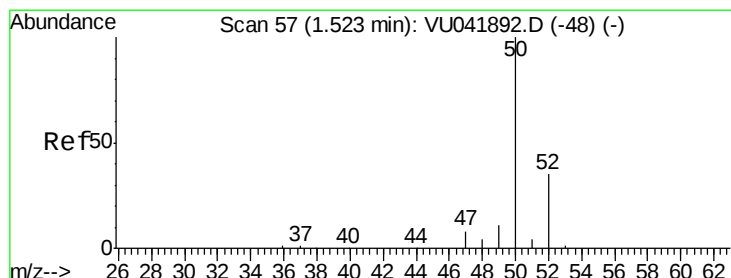
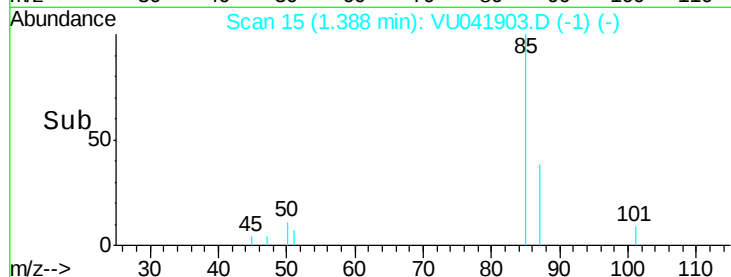
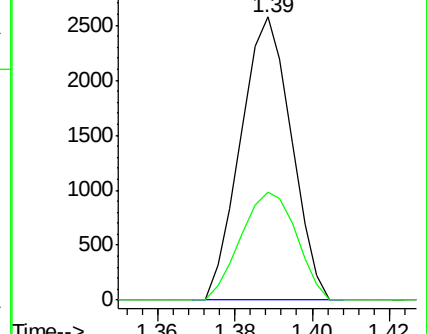
85 100

87 41.6 25.8 38.6#



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.122 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041903.D

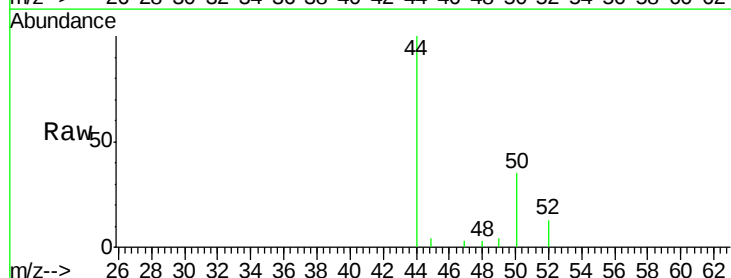
Acq: 08 Jan 2021 14:24

Tgt Ion: 50 Resp: 1357

Ion Ratio Lower Upper

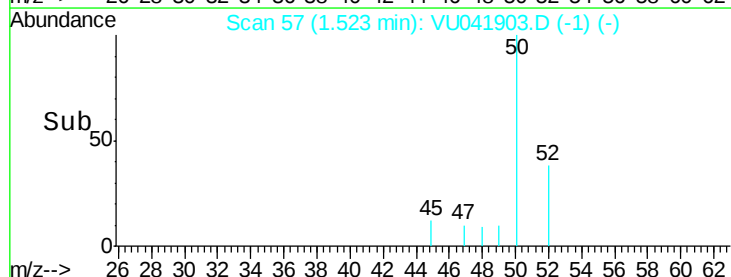
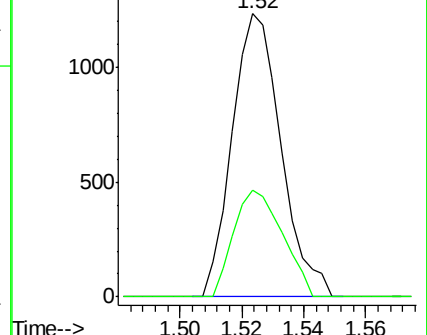
50 100

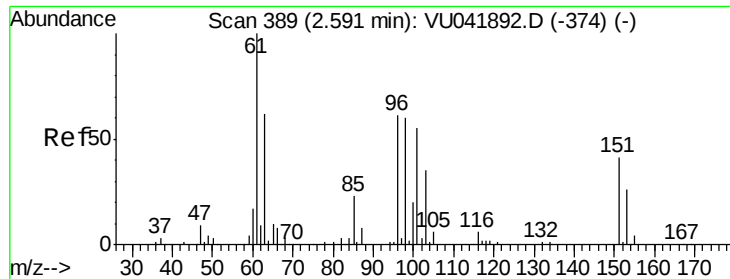
52 37.6 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#10

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

Concen: 0.159 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041903.D

Acq: 08 Jan 2021 14:24

Instrument :

MSVOA_U

ClientSampleId :

BFXQ8

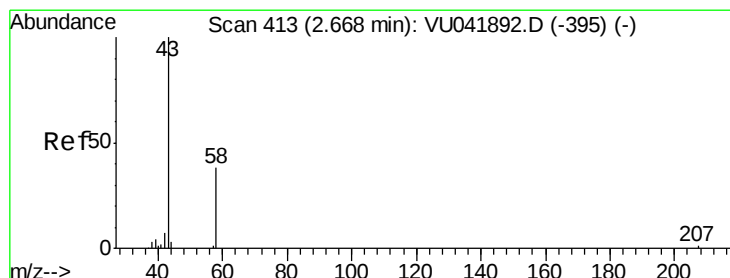
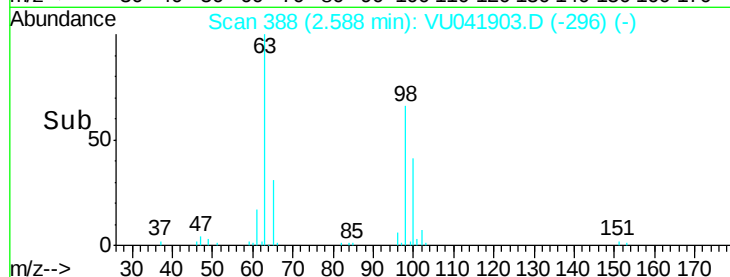
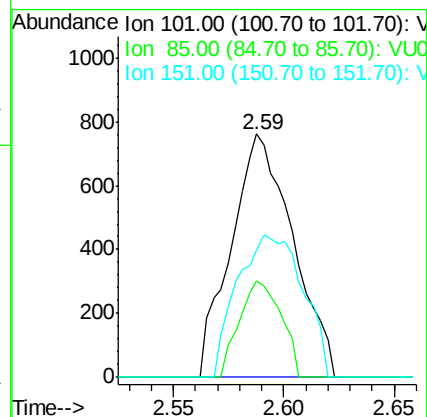
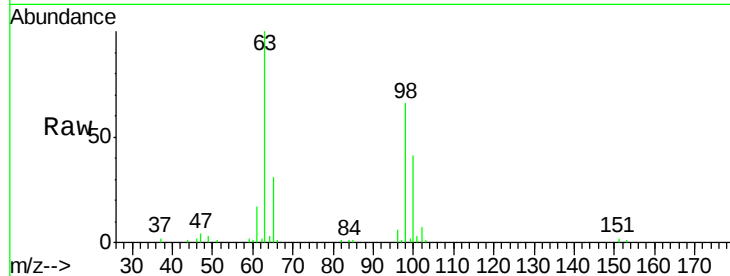
Tgt Ion:101 Resp: 1479

Ion Ratio Lower Upper

101 100

85 27.0 33.6 50.4#

151 62.3 56.2 84.4



#13

Acetone

Concen: 2.146 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.02 min

Lab File: VU041903.D

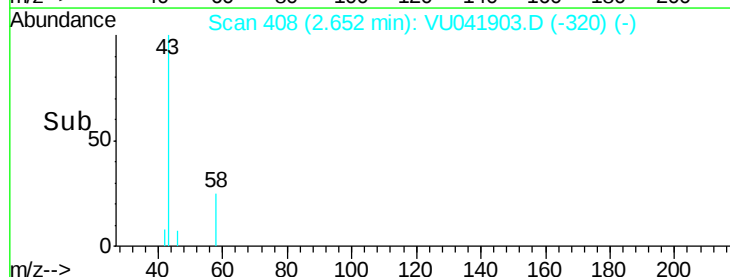
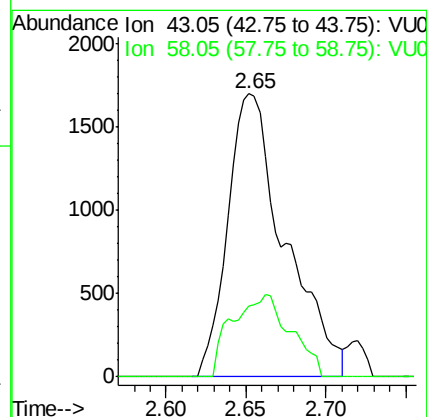
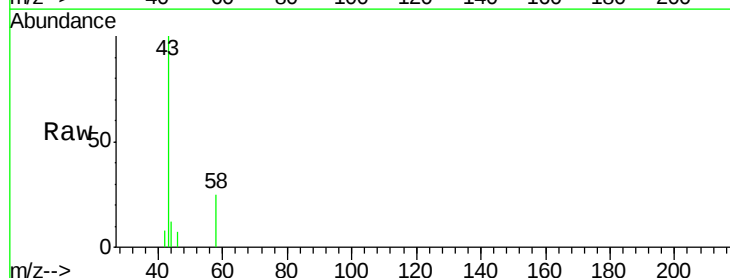
Acq: 08 Jan 2021 14:24

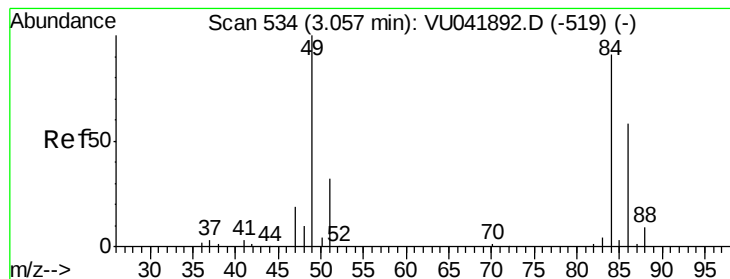
Tgt Ion: 43 Resp: 4152

Ion Ratio Lower Upper

43 100

58 29.6 0.0 73.2





#16

Methylene chloride

Concen: 0.356 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041903.D

Acq: 08 Jan 2021 14:24

Instrument :

MSVOA_U

ClientSampleId :

BFXQ8

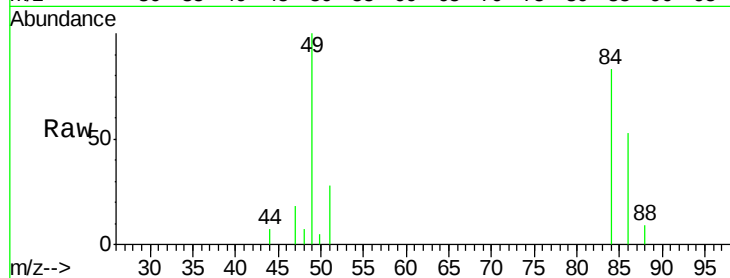
Tgt Ion: 84 Resp: 3910

Ion Ratio Lower Upper

84 100

86 64.2 45.1 83.7

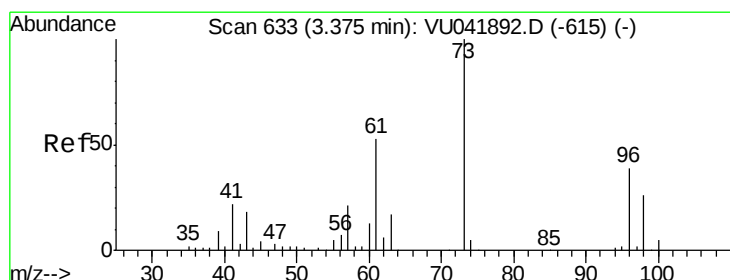
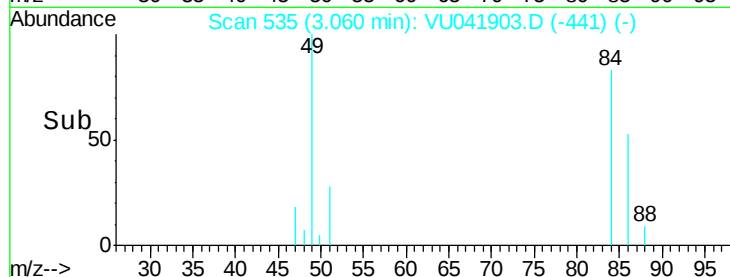
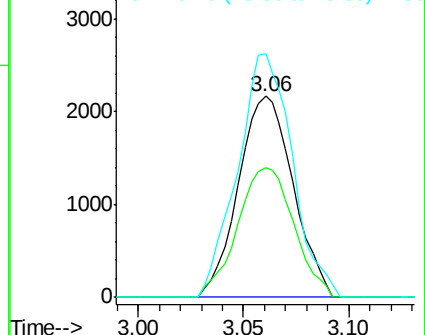
49 121.0 83.1 154.3



Abundance Ion 84.05 (83.75 to 84.75): VU041903.D (-540) (-)

Ion 86.00 (85.70 to 86.70): VU041903.D (-540) (-)

Ion 49.10 (48.80 to 49.80): VU041903.D (-540) (-)



#17

Methyl tert-butyl Ether

Concen: 0.135 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.01 min

Lab File: VU041903.D

Acq: 08 Jan 2021 14:24

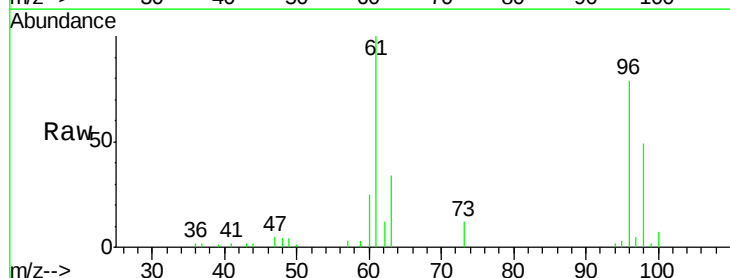
Tgt Ion: 73 Resp: 3305

Ion Ratio Lower Upper

73 100

43 15.7 14.7 22.1

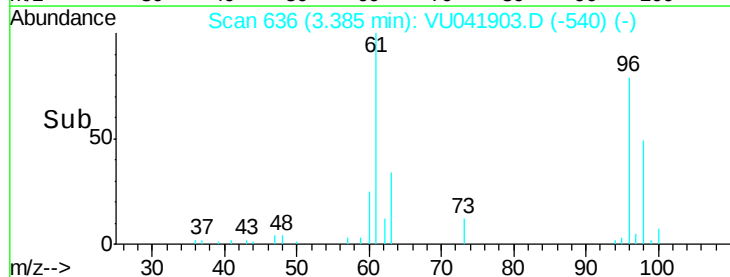
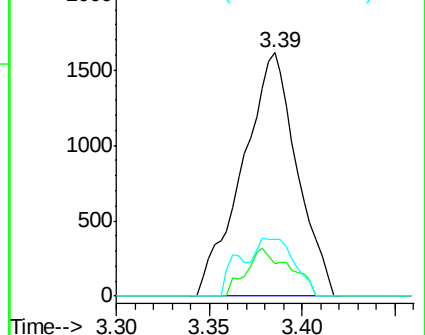
57 17.8 18.2 27.4#

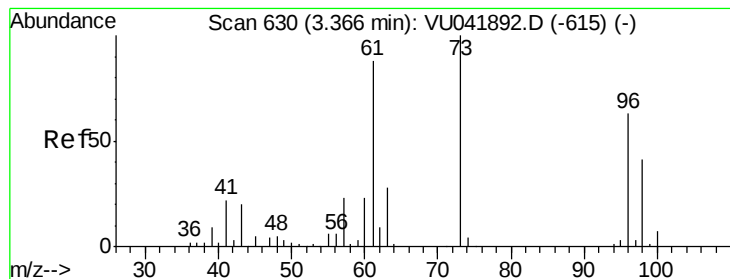


Abundance Ion 73.10 (72.80 to 73.80): VU041903.D (-540) (-)

Ion 43.05 (42.75 to 43.75): VU041903.D (-540) (-)

Ion 57.10 (56.80 to 57.80): VU041903.D (-540) (-)





#18

trans-1,2-Dichloroethene

Concen: 4.619 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041903.D

Acq: 08 Jan 2021 14:24

Instrument :

MSVOA_U

ClientSampleId :

BFXQ8

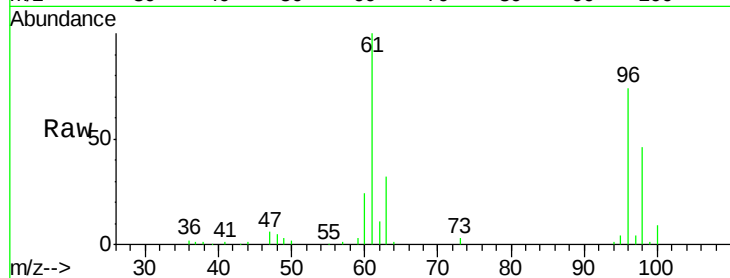
Tgt Ion: 96 Resp: 43893

Ion Ratio Lower Upper

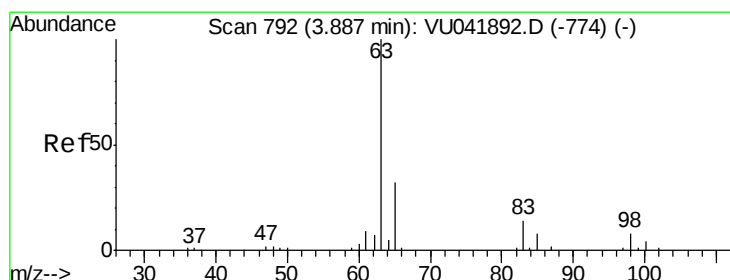
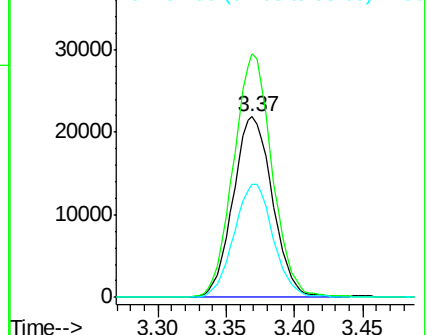
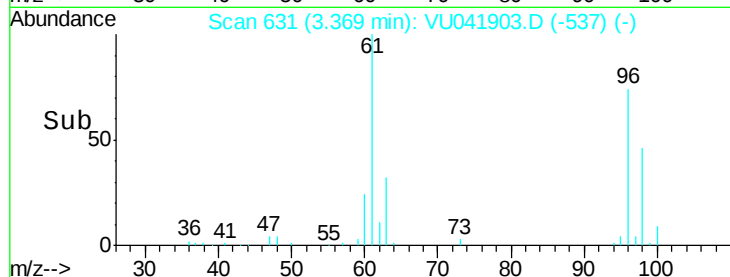
96 100

61 134.8 101.8 189.0

98 62.5 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU041903.D (-537) (-)



#19

1,1-Dichloroethane

Concen: 0.102 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041903.D

Acq: 08 Jan 2021 14:24

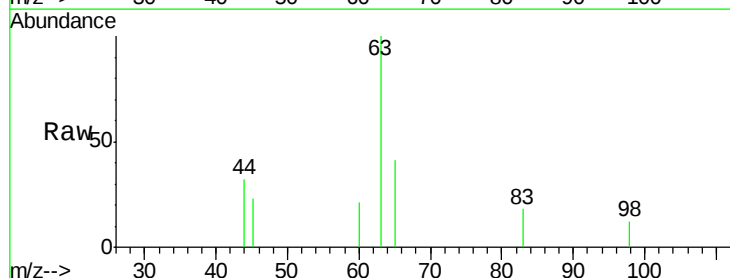
Tgt Ion: 63 Resp: 1811

Ion Ratio Lower Upper

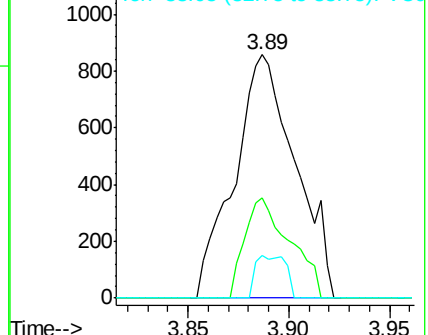
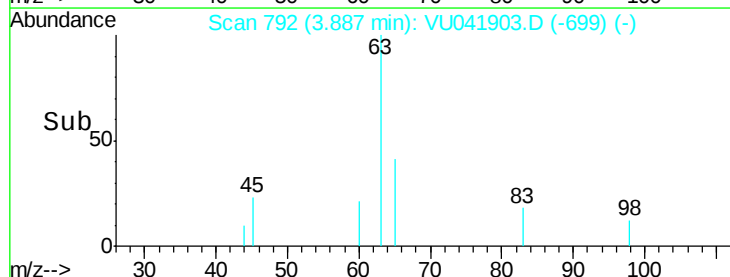
63 100

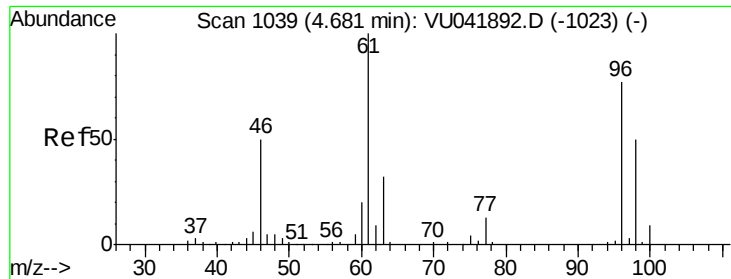
65 41.3 21.3 39.6#

83 17.6 9.3 17.3#



Abundance Ion 63.10 (62.80 to 63.80): VU041903.D (-699) (-)

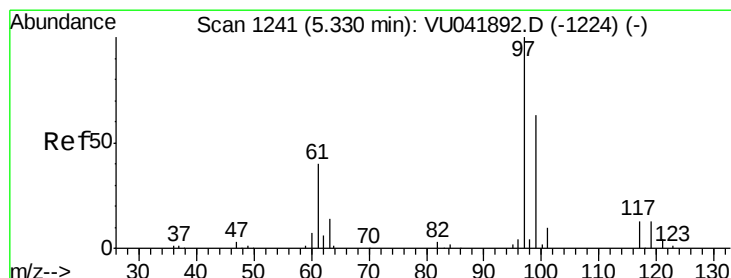
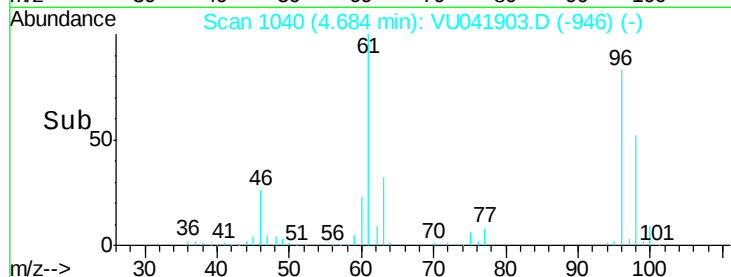
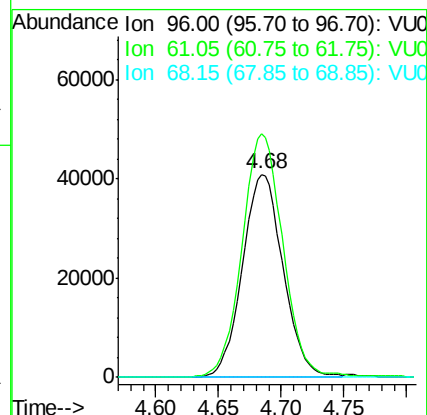
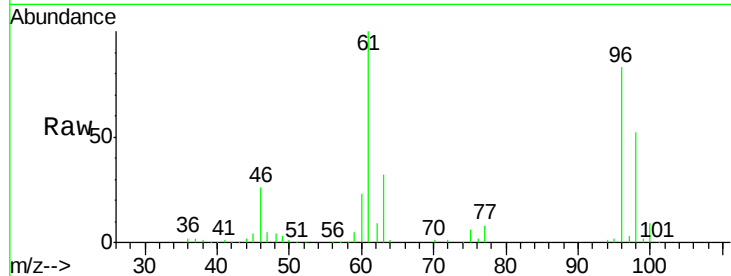




#22
 cis-1,2-Dichloroethene
 Concen: 8.797 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041903.D
 Acq: 08 Jan 2021 14:24

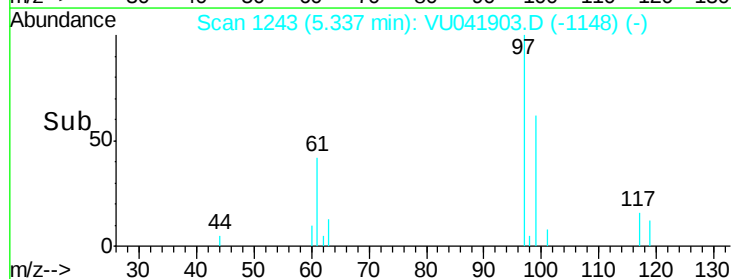
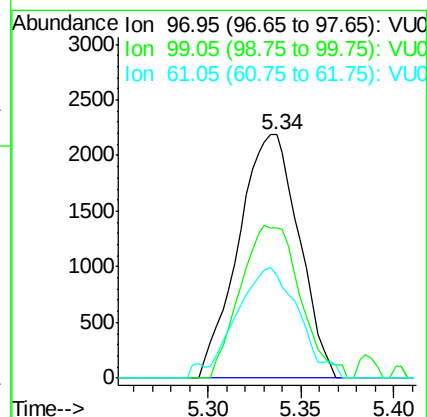
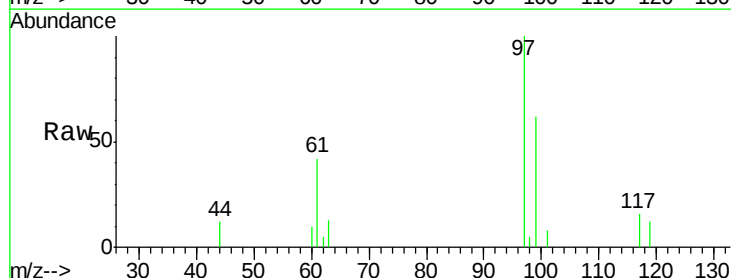
Instrument :
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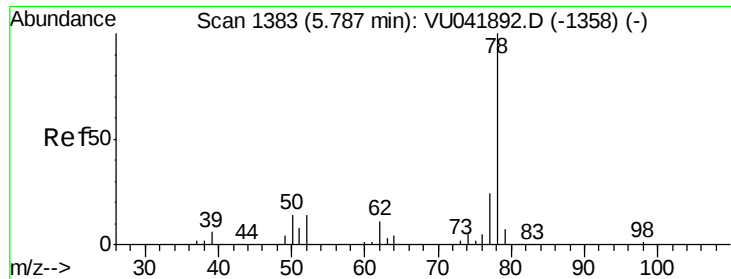
Tgt Ion: 96 Resp: 92389
 Ion Ratio Lower Upper
 96 100
 61 119.9 88.8 165.0
 68 0.0 0.0 0.0



#29
 1,1,1-Trichloroethane
 Concen: 0.334 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VU041903.D
 Acq: 08 Jan 2021 14:24

Tgt Ion: 97 Resp: 4952
 Ion Ratio Lower Upper
 97 100
 99 61.7 51.3 76.9
 61 47.2 36.5 54.7





#33

Benzene

Concen: 0.098 ug/L

RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VU041903.D

Acq: 08 Jan 2021 14:24

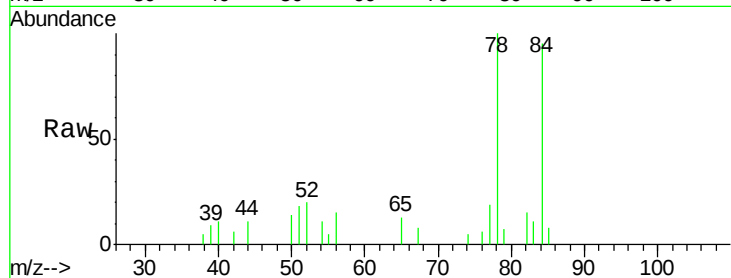
Instrument :

MSVOA_U

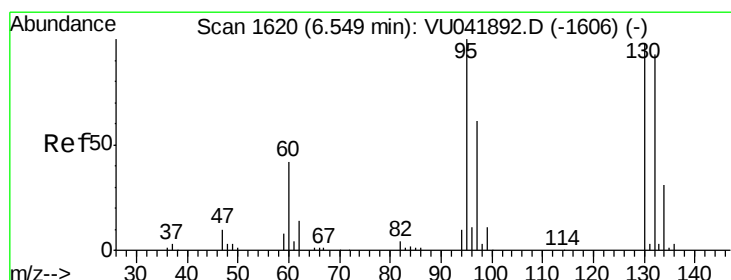
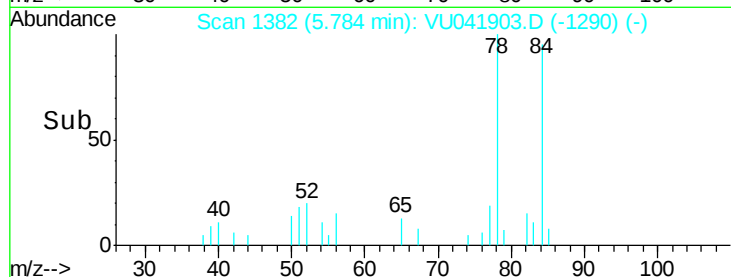
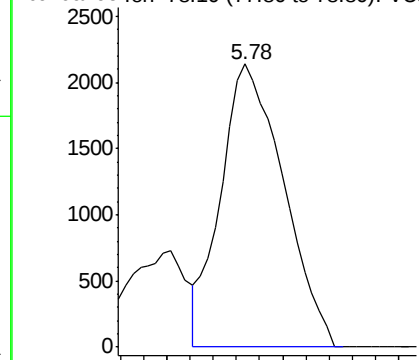
ClientSampleId :

BFXQ8

Tgt Ion: 78 Resp: 4031



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 72.085 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041903.D

Acq: 08 Jan 2021 14:24

Tgt Ion: 95 Resp: 747760

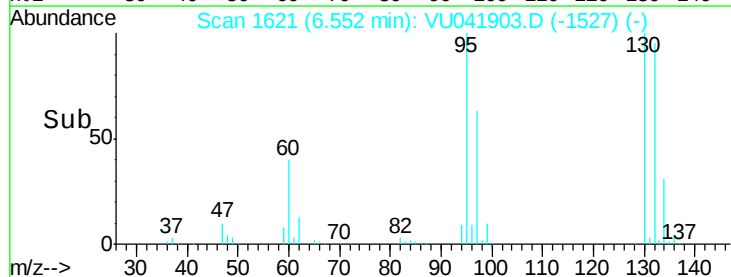
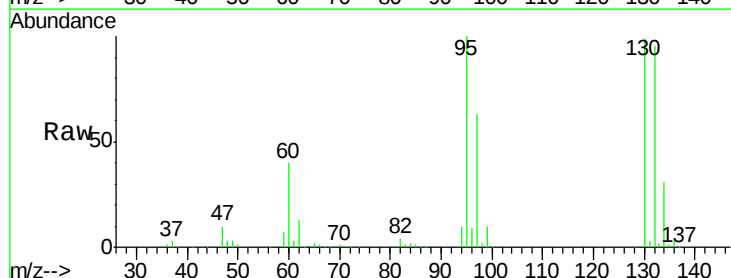
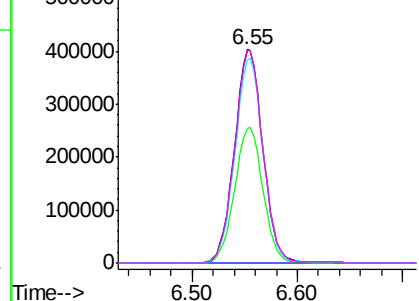
Ion	Ratio	Lower	Upper
95	100		
97	62.9	43.9	81.5
132	95.1	63.1	117.3
130	99.4	67.4	125.2

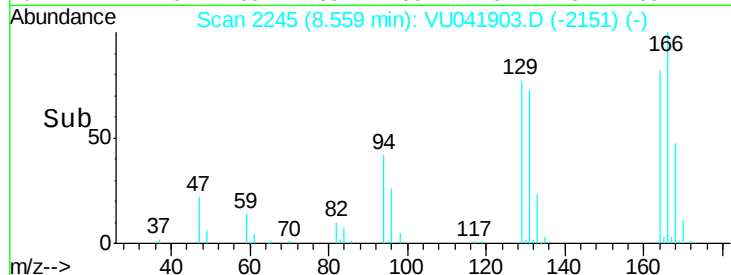
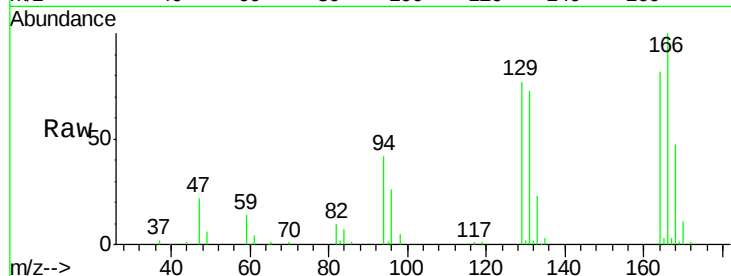
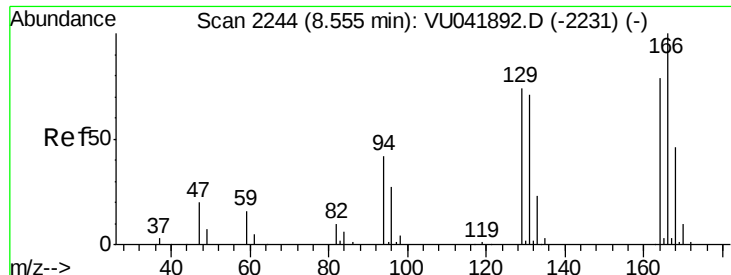
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.143 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041903.D

Acq: 08 Jan 2021 14:24

Instrument :

MSVOA_U

ClientSampleId :

BFXQ8

Tgt Ion:164 Resp: 37343

Ion Ratio Lower Upper

164 100

129 94.3 72.2 134.0

131 89.0 66.9 124.3

166 121.7 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

