

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
 Data File : VU041887.D
 Acq On : 07 Jan 2021 21:04
 Operator : SY/MD
 Sample : M1026-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL9

Quant Time: Jan 08 06:49:32 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	133869	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132717	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57081	5.00	ug/L	0.00

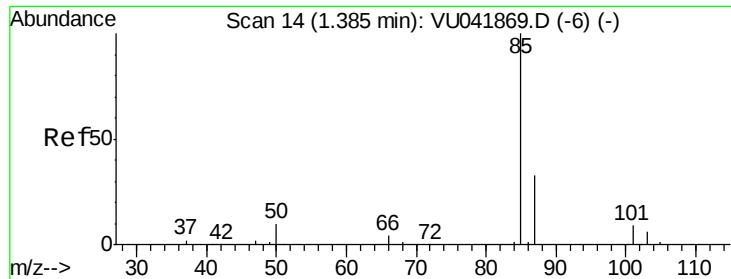
System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41596	3.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.60%
7) Chloroethane-d5	1.92	69	42786	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.60%
11) 1,1-Dichloroethene-d2	2.58	63	63365	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.65	46	174392	58.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.02%
24) Chloroform-d	5.08	84	96992	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
26) 1,2-Dichloroethane-d4	5.72	65	55277	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.74	84	189166	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.70	67	62925	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.90	98	154834	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	8.18	79	23631	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.64	63	147004	50.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.38%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56914	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	64414	6.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	127.00%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	2326	0.205 ug/L	93
3) Chloromethane	1.52	50	1087	0.099 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	1649	0.179 ug/L #	62
13) Acetone	2.66	43	3332	1.742 ug/L	91
16) Methylene chloride	3.06	84	4393	0.405 ug/L	87
17) Methyl tert-butyl Ether	3.38	73	3295	0.136 ug/L #	93
18) trans-1,2-Dichloroethene	3.37	96	46018	4.899 ug/L	94
22) cis-1,2-Dichloroethene	4.68	96	98863	9.523 ug/L	98
29) 1,1,1-Trichloroethane	5.34	97	4813	0.316 ug/L	94
33) Benzene	5.79	78	4687	0.110 ug/L	100
34) Trichloroethene	6.55	95	768501	72.053 ug/L	97
47) Tetrachloroethene	8.56	164	37995	5.089 ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	1565	0.092 ug/L #	88

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



#2

Dichlorodifluoromethane

Concen: 0.205 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041887.D

Acq: 07 Jan 2021 21:04

Instrument :

MSVOA_U

ClientSampleId :

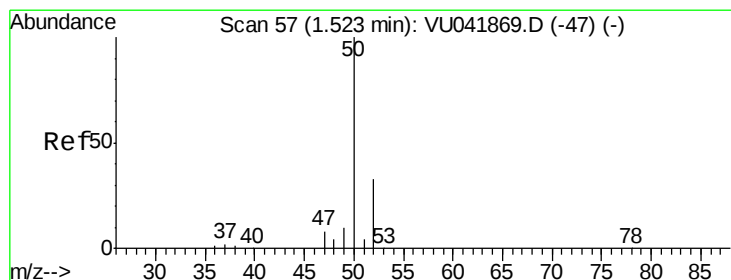
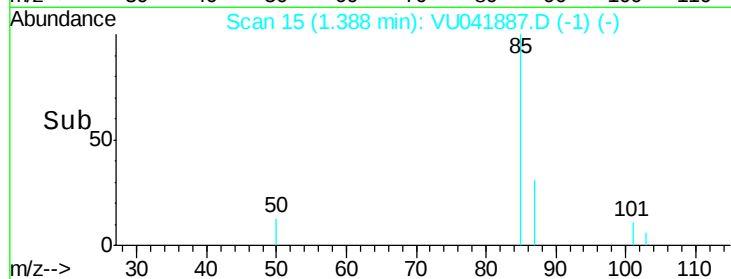
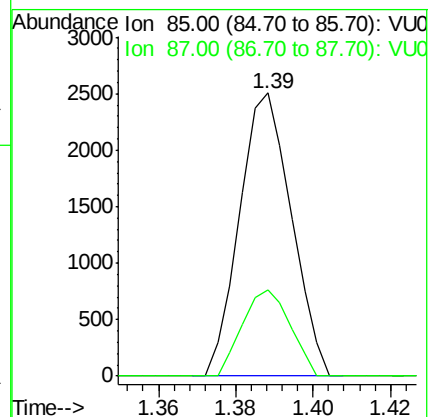
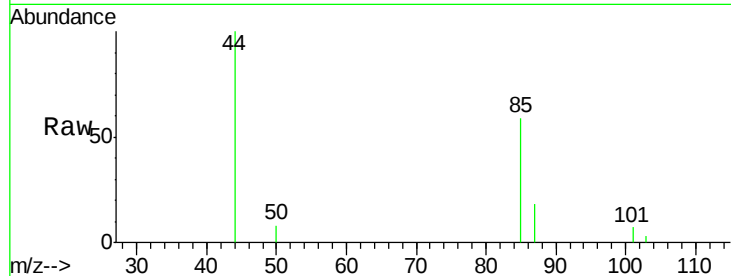
BFXL9

Tgt Ion: 85 Resp: 2326

Ion Ratio Lower Upper

85 100

87 28.2 25.8 38.6



#3

Chloromethane

Concen: 0.099 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041887.D

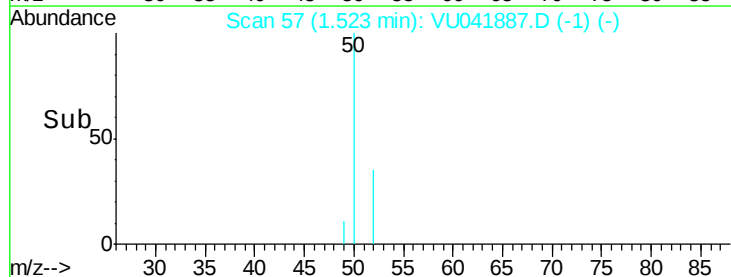
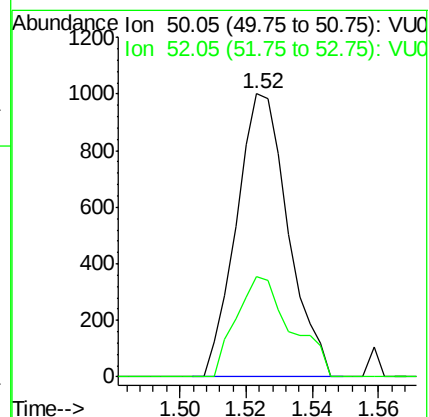
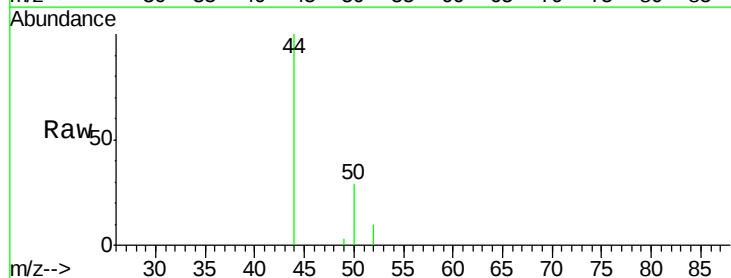
Acq: 07 Jan 2021 21:04

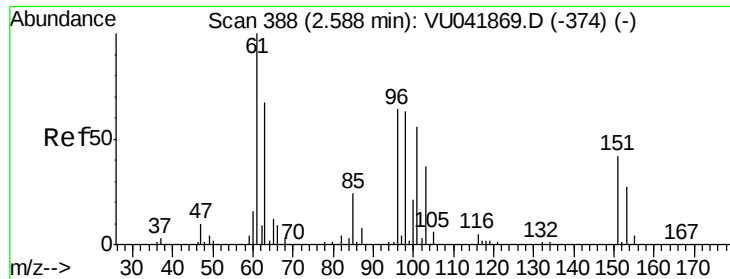
Tgt Ion: 50 Resp: 1087

Ion Ratio Lower Upper

50 100

52 35.3 24.1 44.8





#10

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

Concen: 0.179 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041887.D

Acq: 07 Jan 2021 21:04

Instrument :

MSVOA_U

ClientSampleId :

BFXL9

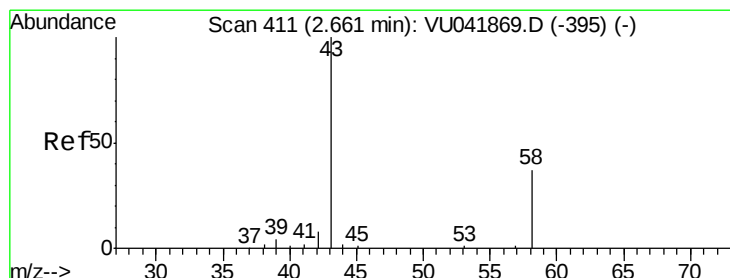
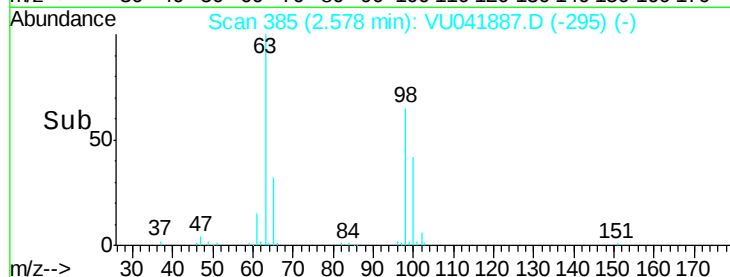
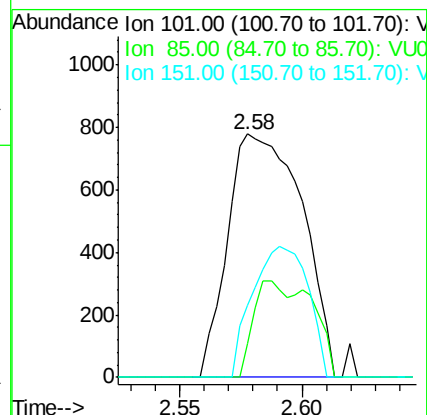
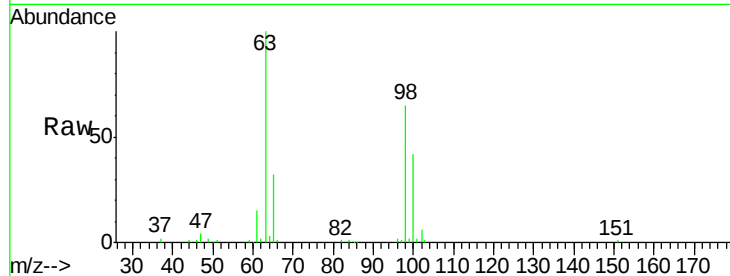
Tgt Ion:101 Resp: 1649

Ion Ratio Lower Upper

101 100

85 17.3 33.6 50.4#

151 40.1 56.2 84.4#



#13

Acetone

Concen: 1.742 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU041887.D

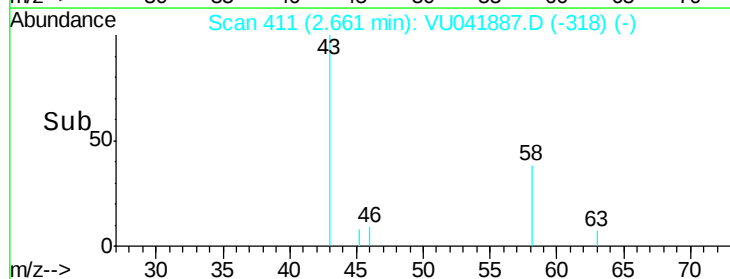
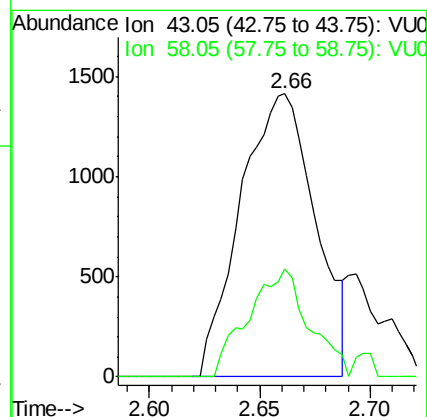
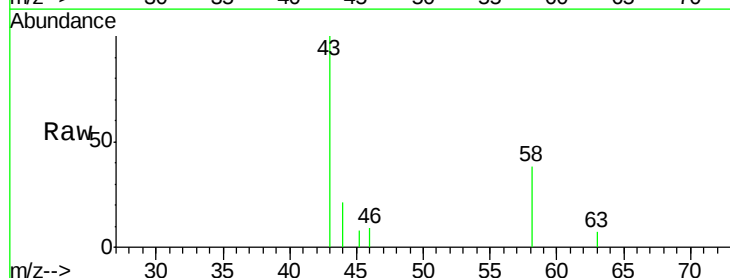
Acq: 07 Jan 2021 21:04

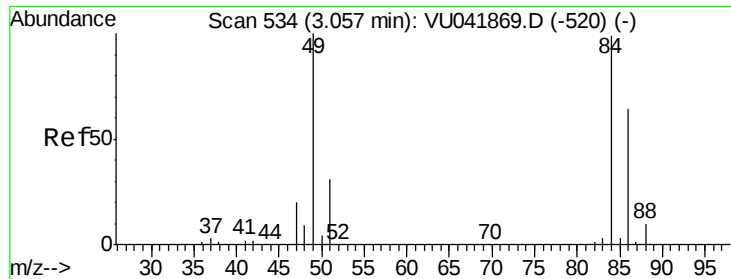
Tgt Ion: 43 Resp: 3332

Ion Ratio Lower Upper

43 100

58 31.0 0.0 73.2

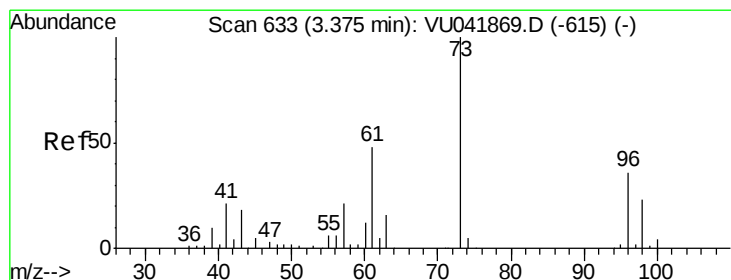
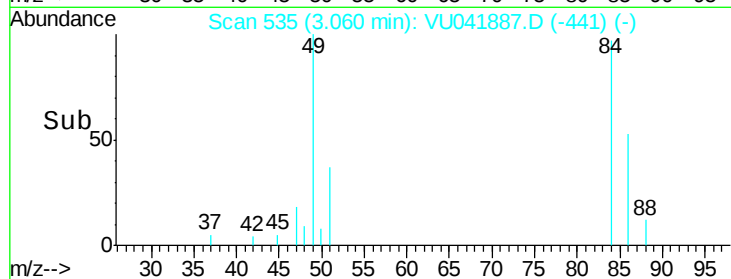
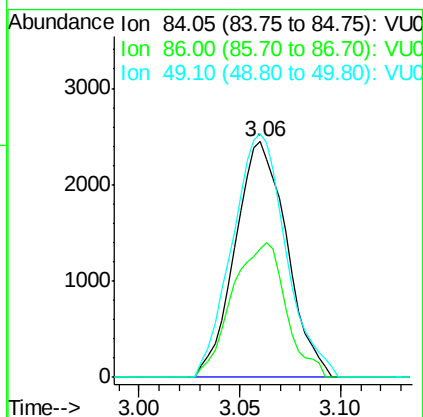
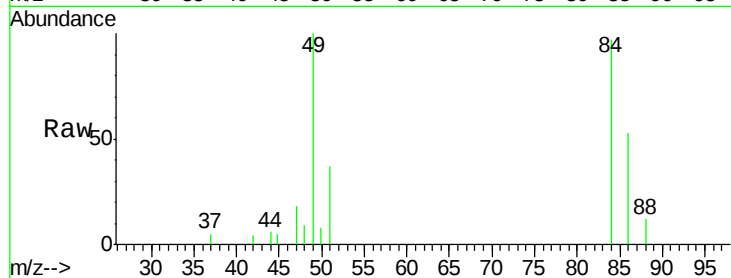




#16
Methylene chloride
Concen: 0.405 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041887.D
Acq: 07 Jan 2021 21:04

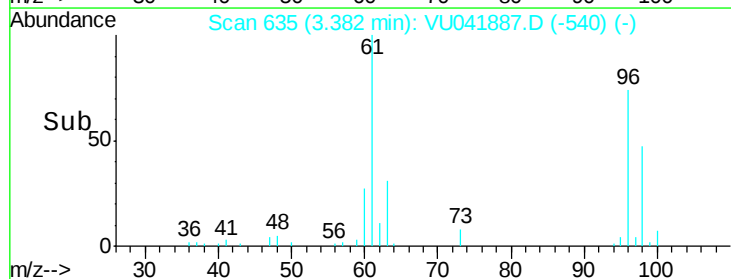
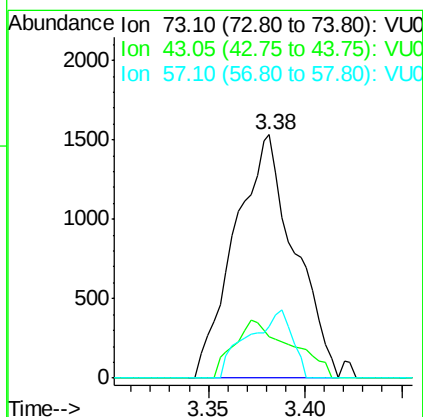
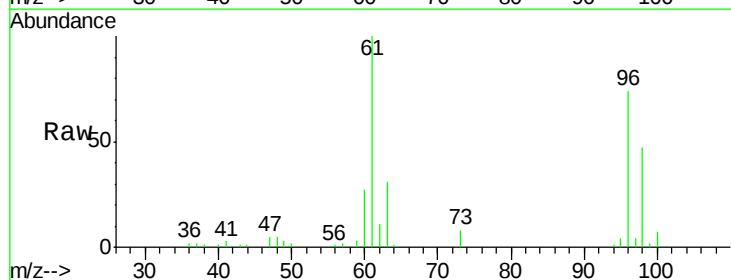
Instrument :
MSVOA_U
ClientSampleId :
BFXL9

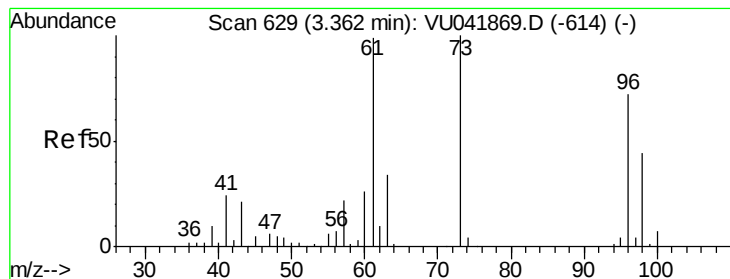
Tgt Ion: 84 Resp: 4393
Ion Ratio Lower Upper
84 100
86 54.6 45.1 83.7
49 103.4 83.1 154.3



#17
Methyl tert-butyl Ether
Concen: 0.136 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.01 min
Lab File: VU041887.D
Acq: 07 Jan 2021 21:04

Tgt Ion: 73 Resp: 3295
Ion Ratio Lower Upper
73 100
43 22.8 14.7 22.1#
57 20.5 18.2 27.4





#18

trans-1,2-Dichloroethene

Concen: 4.899 ug/L

RT: 3.37 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU041887.D

Acq: 07 Jan 2021 21:04

Instrument :

MSVOA_U

ClientSampleId :

BFXL9

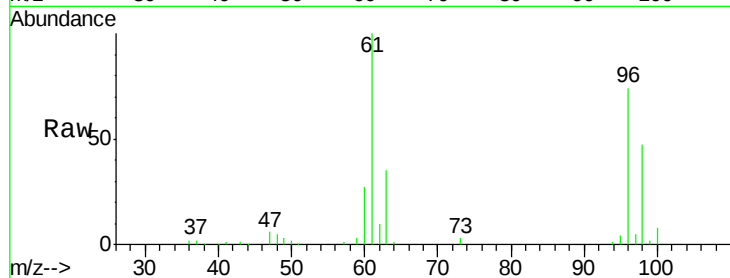
Tgt Ion: 96 Resp: 46018

Ion Ratio Lower Upper

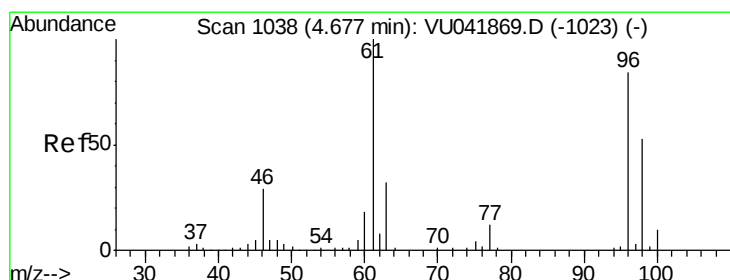
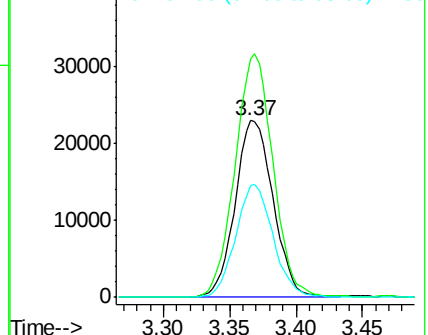
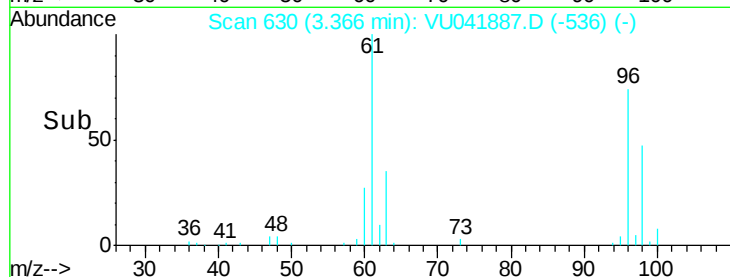
96 100

61 134.8 101.8 189.0

98 62.8 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU041887.D (-536) (-)



#22

cis-1,2-Dichloroethene

Concen: 9.523 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VU041887.D

Acq: 07 Jan 2021 21:04

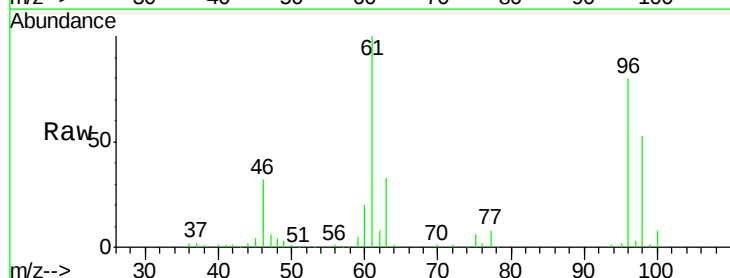
Tgt Ion: 96 Resp: 98863

Ion Ratio Lower Upper

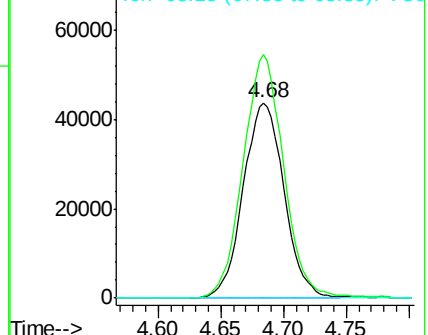
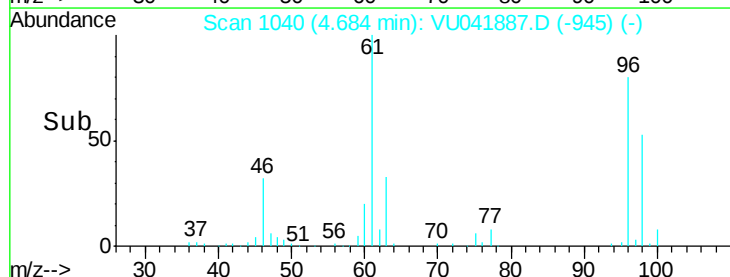
96 100

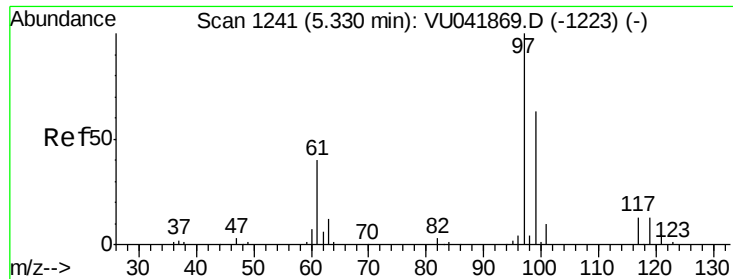
61 124.7 88.8 165.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041887.D (-945) (-)

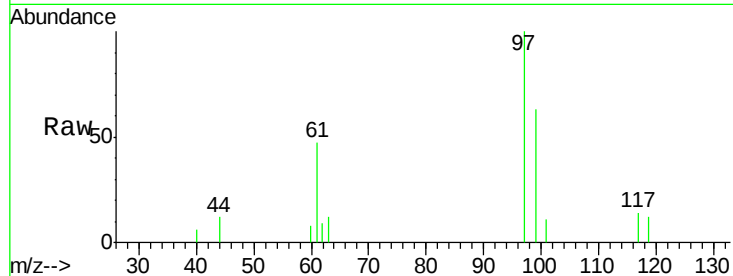




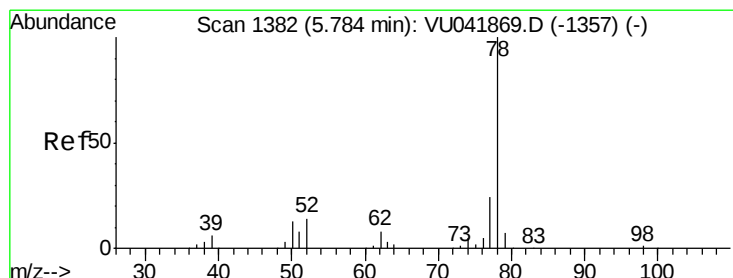
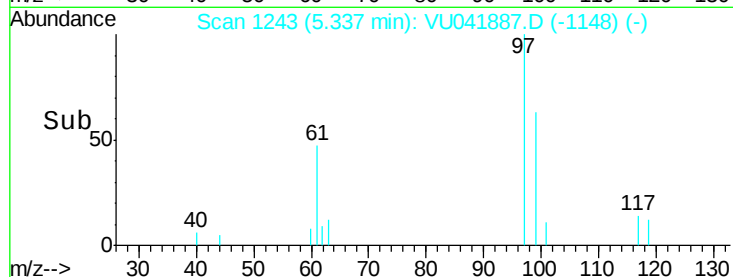
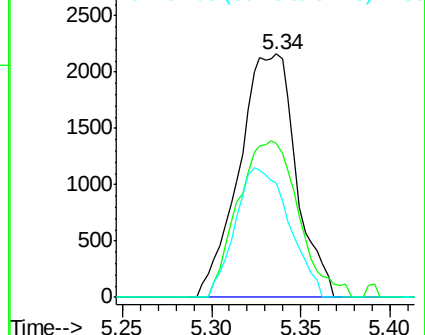
#29
 1,1,1-Trichloroethane
 Concen: 0.316 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VU041887.D
 Acq: 07 Jan 2021 21:04

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL9

Tgt Ion: 97 Resp: 4813
 Ion Ratio Lower Upper
 97 100
 99 68.1 51.3 76.9
 61 50.2 36.5 54.7

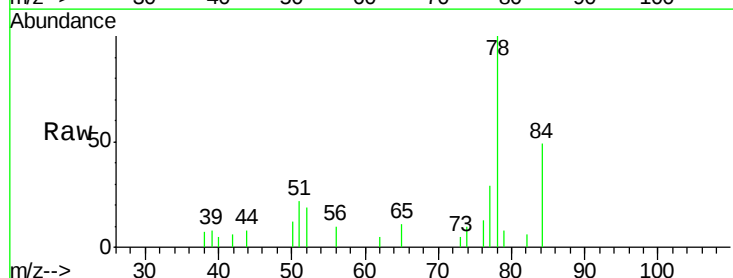


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

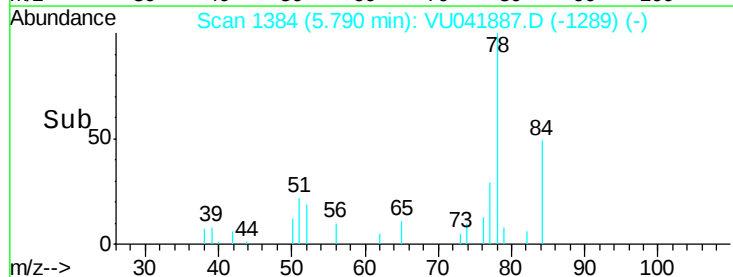
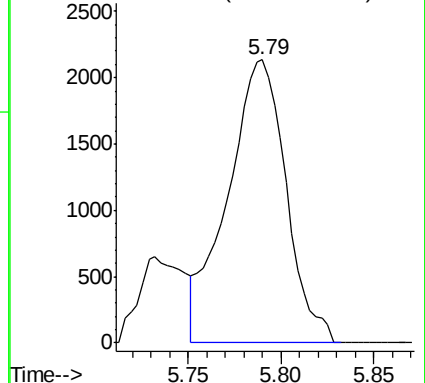


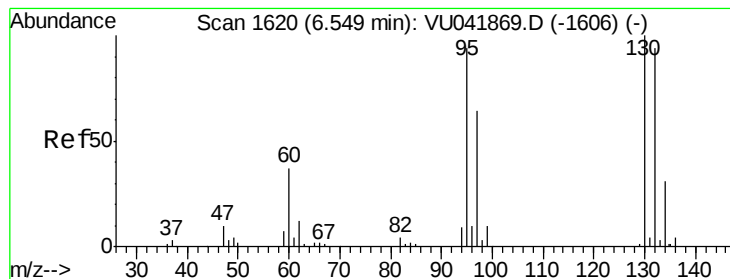
#33
 Benzene
 Concen: 0.110 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: VU041887.D
 Acq: 07 Jan 2021 21:04

Tgt Ion: 78 Resp: 4687



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 72.053 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041887.D

Acq: 07 Jan 2021 21:04

Instrument :

MSVOA_U

ClientSampleId :

BFXL9

Tgt Ion: 95 Resp: 768501

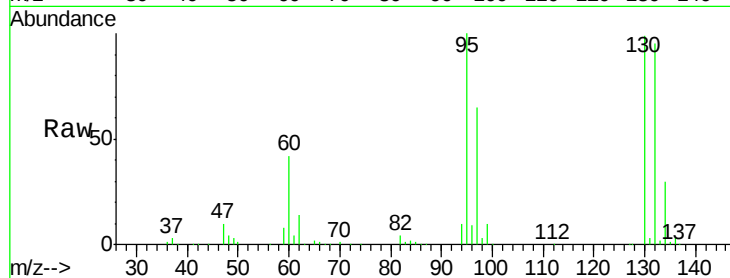
Ion Ratio Lower Upper

95 100

97 64.7 43.9 81.5

132 94.7 63.1 117.3

130 98.6 67.4 125.2

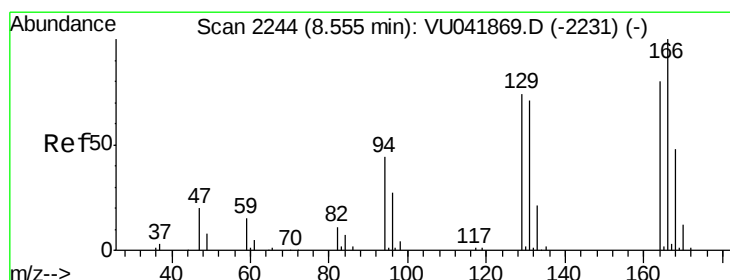
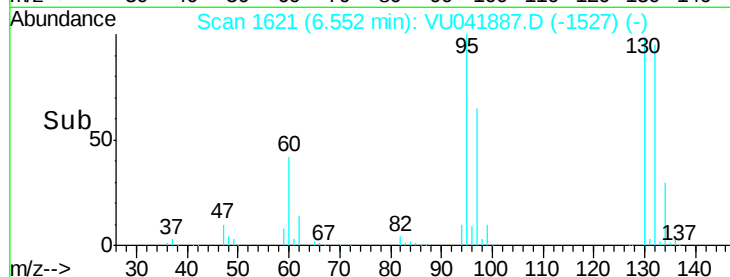
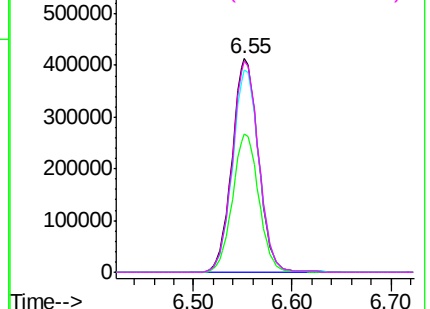


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.089 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041887.D

Acq: 07 Jan 2021 21:04

Tgt Ion: 164 Resp: 37995

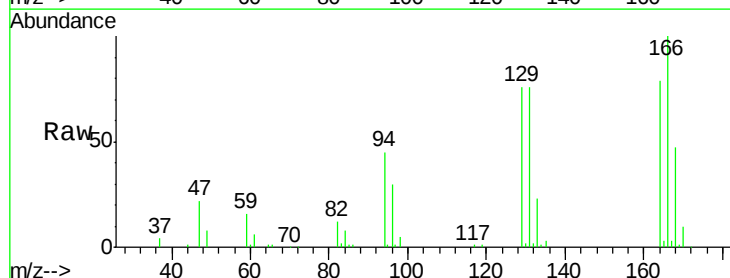
Ion Ratio Lower Upper

164 100

129 96.4 72.2 134.0

131 97.1 66.9 124.3

166 127.0 89.6 166.4

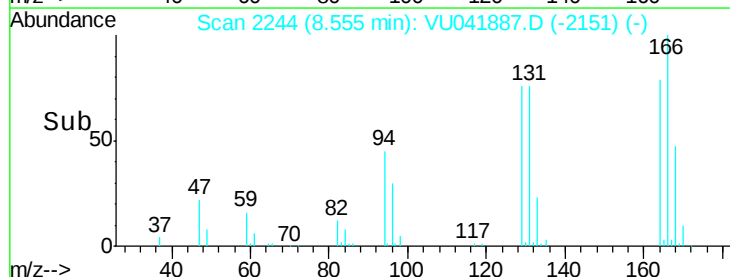
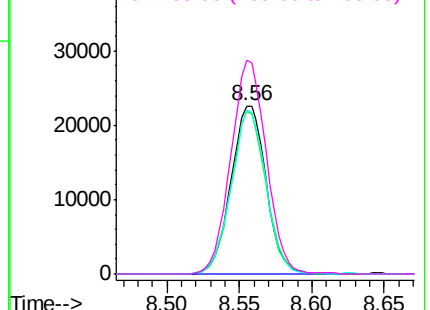


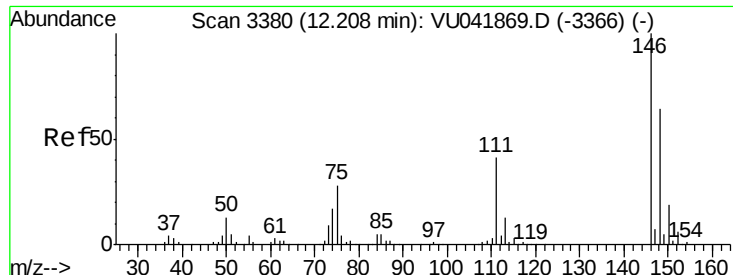
Abundance Ion 163.90 (163.60 to 164.60): V

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

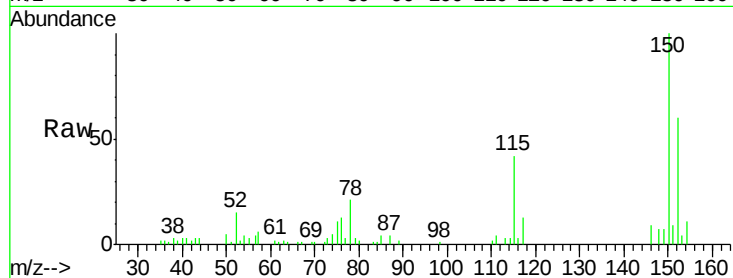




#65
 1,2-Dichlorobenzene
 Concen: 0.092 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU041887.D
 Acq: 07 Jan 2021 21:04

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL9

Tgt Ion:146 Resp: 1565
 Ion Ratio Lower Upper
 146 100
 111 42.4 35.0 52.6
 148 78.7 51.0 76.6#



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

