

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
 Data File : VU041871.D
 Acq On : 07 Jan 2021 14:41
 Operator : SY/MD
 Sample : M1026-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ8

Quant Time: Jan 08 05:26:54 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	177183	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	163119	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	68975	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	44154	3.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.80%
7) Chloroethane-d5	1.92	69	46145	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.58	63	74001	2.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.00%#
20) 2-Butanone-d5	4.65	46	178524	44.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.74%
24) Chloroform-d	5.08	84	105982	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.72	65	59949	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
32) Benzene-d6	5.74	84	206346	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.70	67	66033	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.90	98	162763	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	8.19	79	25349	3.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.00%
46) 2-Hexanone-d5	8.64	63	138578	38.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.00%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55803	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	56322	4.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	9137	0.609 ug/L	94
3) Chloromethane	1.52	50	936	0.064 ug/L	100
5) Vinyl chloride	1.61	62	767	0.048 ug/L #	1
8) Chloroethane	1.94	64	644	0.059 ug/L #	73
9) Trichlorofluoromethane	2.15	101	1189028	58.339 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	18602	1.526 ug/L	94
12) 1,1-Dichloroethene	2.59	96	9705	0.807 ug/L #	1
13) Acetone	2.65	43	3956	1.563 ug/L	97
16) Methylene chloride	3.06	84	6365	0.443 ug/L	84
17) Methyl tert-butyl Ether	3.38	73	73733	2.299 ug/L	99
19) 1,1-Dichloroethane	3.89	63	78745	3.389 ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	11669	0.849 ug/L	97
25) Chloroform	5.10	83	5790	0.247 ug/L	96
27) 1,2-Dichloroethane	5.81	62	2234	0.141 ug/L #	86
29) 1,1,1-Trichloroethane	5.34	97	10195	0.544 ug/L	99
34) Trichloroethene	6.55	95	98825	7.539 ug/L	98
42) Toluene	7.97	91	2285	0.042 ug/L	90

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 08 04:58:19 2021
Response via : Initial Calibration

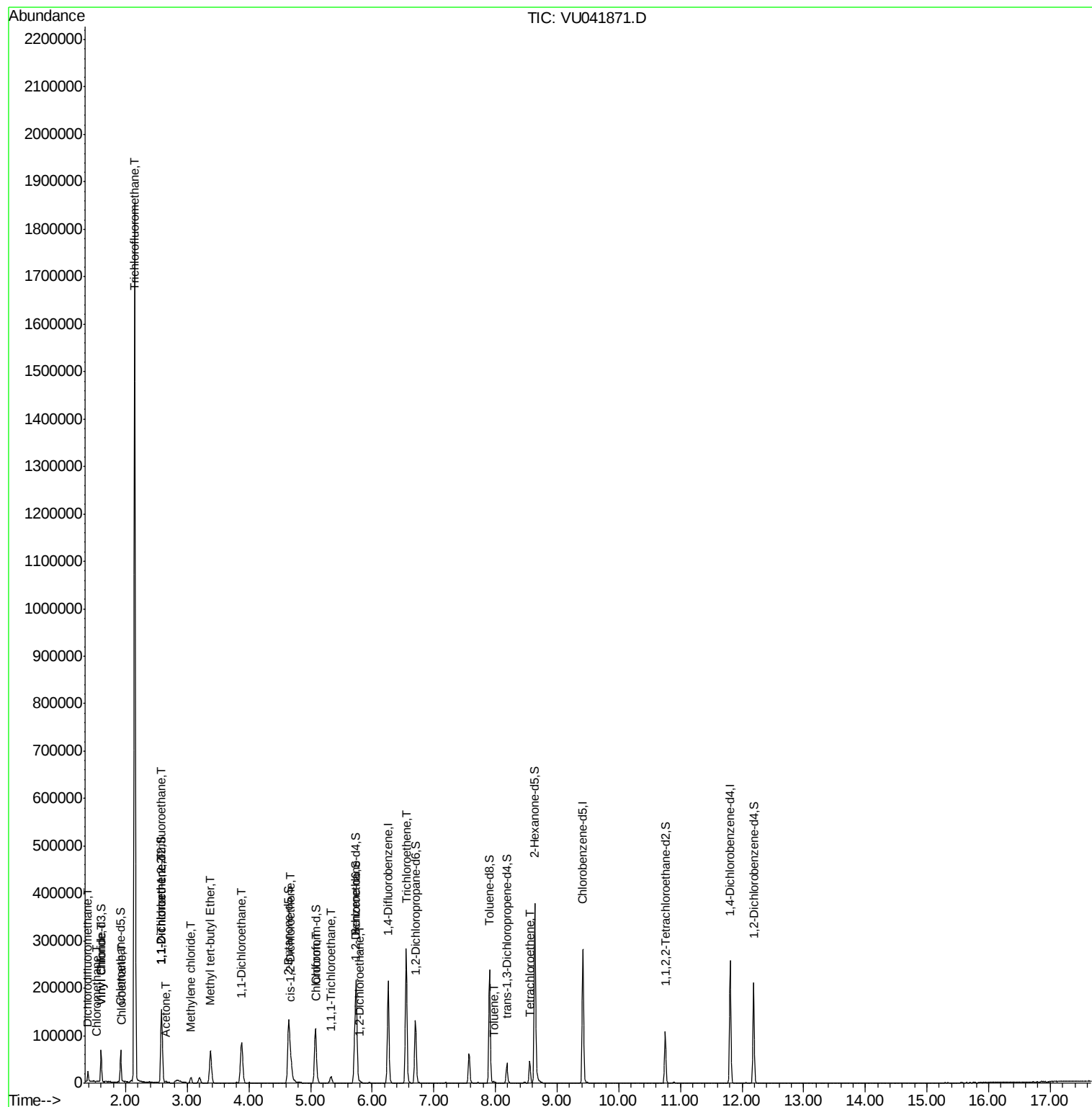
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.56	164	10303	1.123	ug/L	92

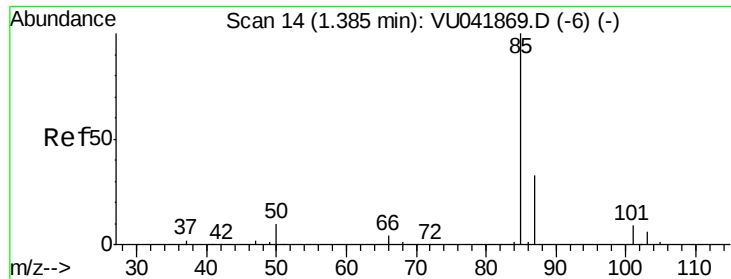
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.609 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041871.D

Acq: 07 Jan 2021 14:41

Instrument :

MSVOA_U

ClientSampleId :

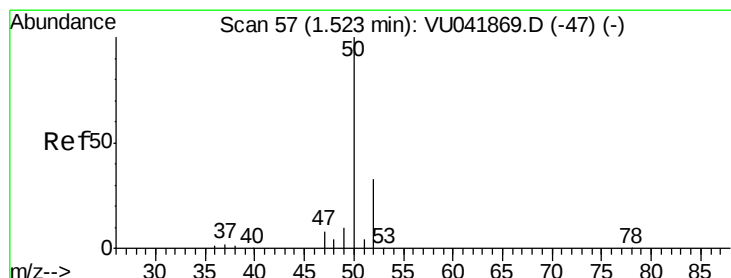
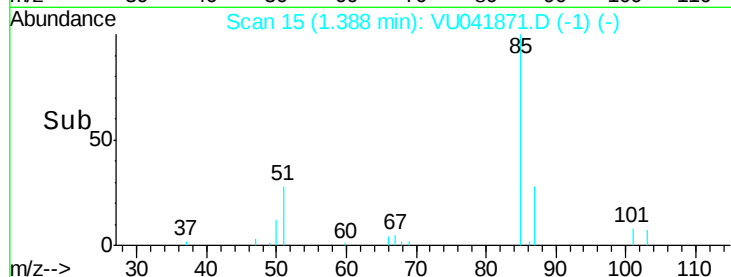
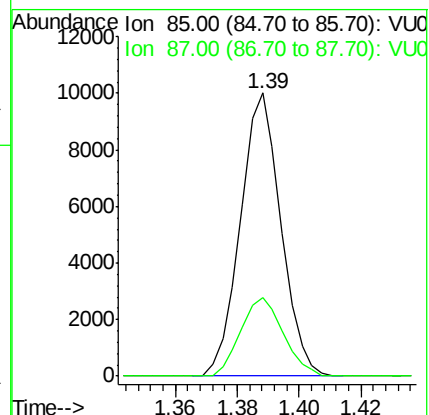
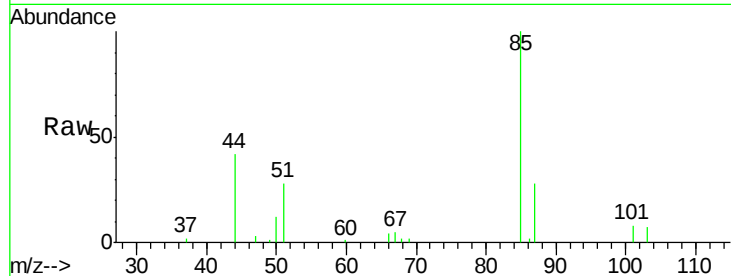
BFXJ8

Tgt Ion: 85 Resp: 9137

Ion Ratio Lower Upper

85 100

87 29.1 25.8 38.6



#3

Chloromethane

Concen: 0.064 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041871.D

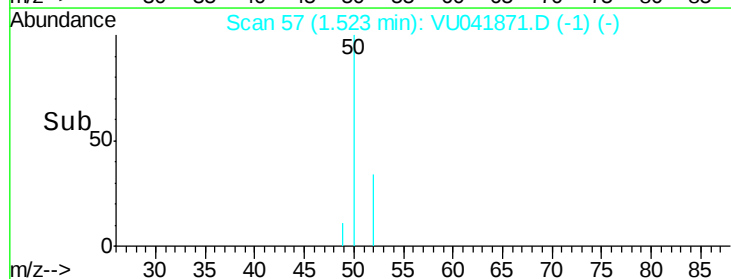
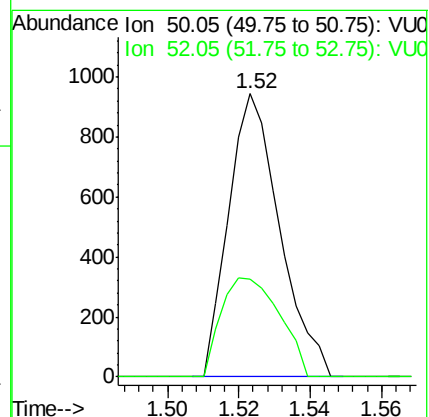
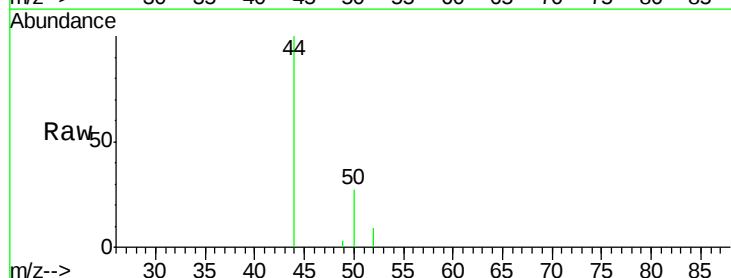
Acq: 07 Jan 2021 14:41

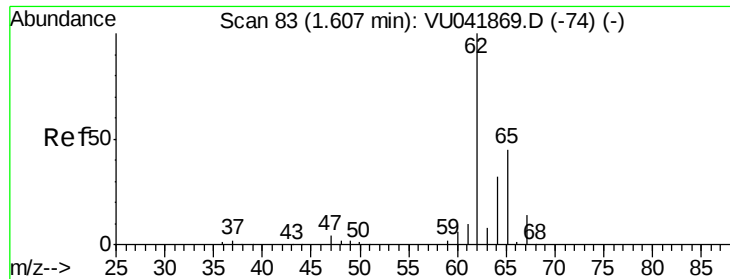
Tgt Ion: 50 Resp: 936

Ion Ratio Lower Upper

50 100

52 34.5 24.1 44.8





#5

Vinyl chloride

Concen: 0.048 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041871.D

Acq: 07 Jan 2021 14:41

Instrument :

MSVOA_U

ClientSampleId :

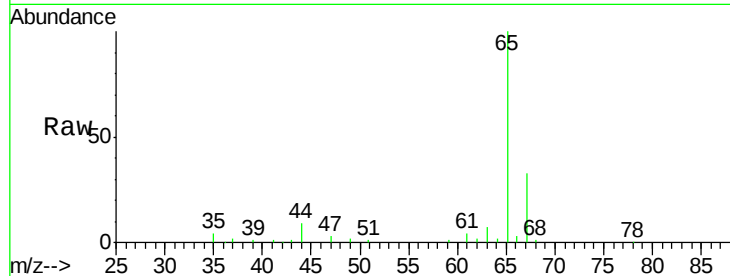
BFXJ8

Tgt Ion: 62 Resp: 767

Ion Ratio Lower Upper

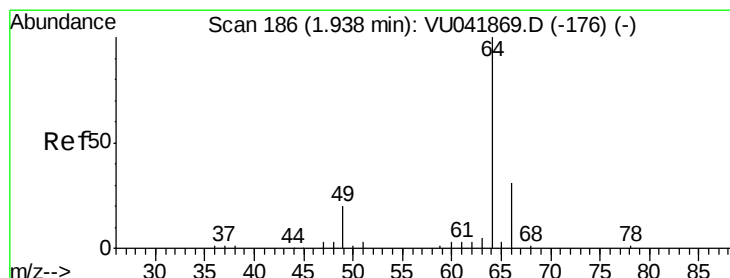
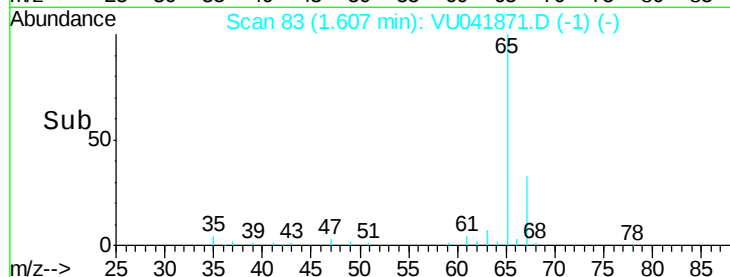
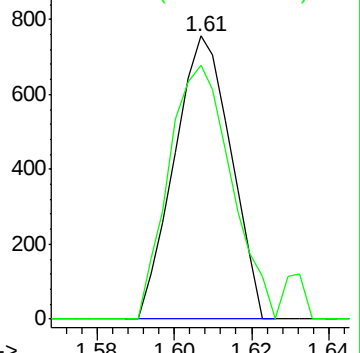
62 100

64 89.7 22.5 41.7#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.059 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041871.D

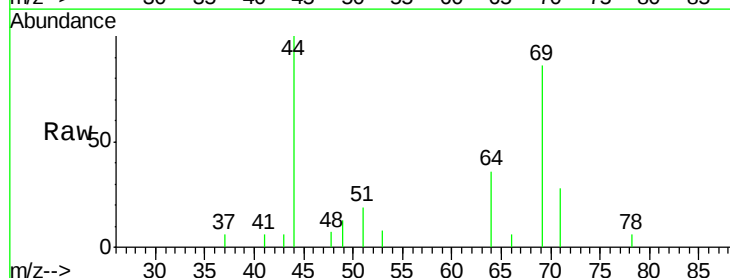
Acq: 07 Jan 2021 14:41

Tgt Ion: 64 Resp: 644

Ion Ratio Lower Upper

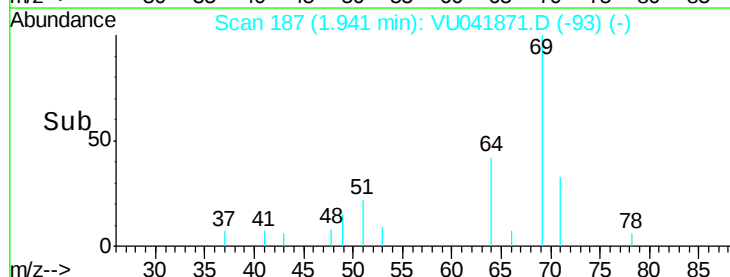
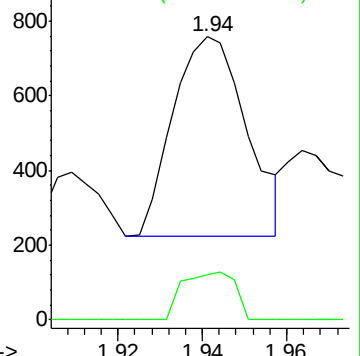
64 100

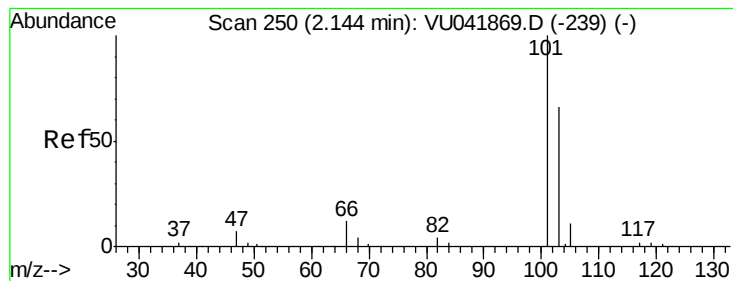
66 16.1 21.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



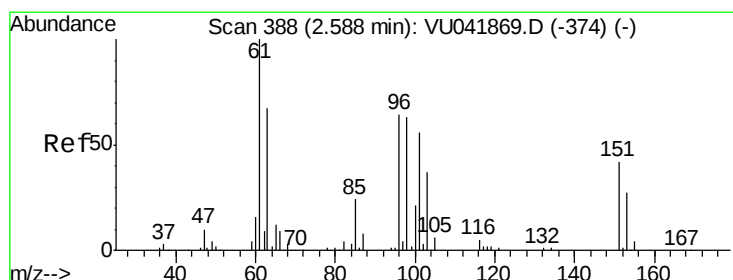
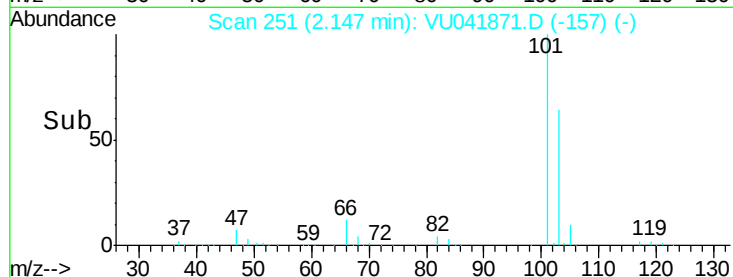
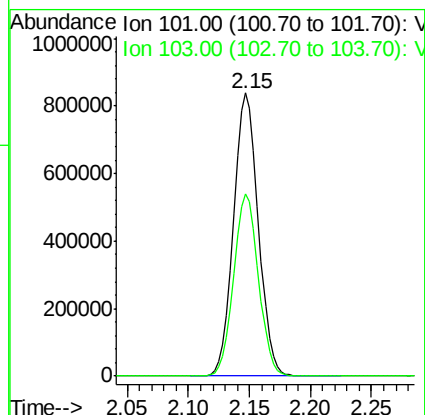
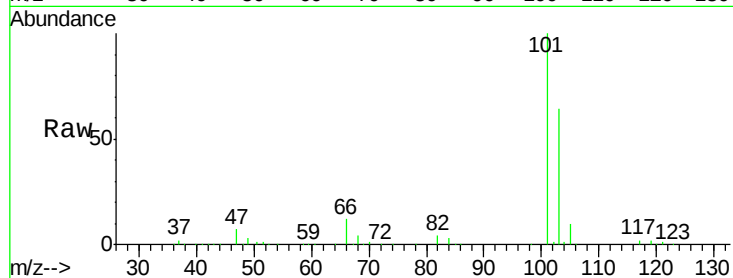


#9

Trichlorofluoromethane
Concen: 58.339 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041871.D
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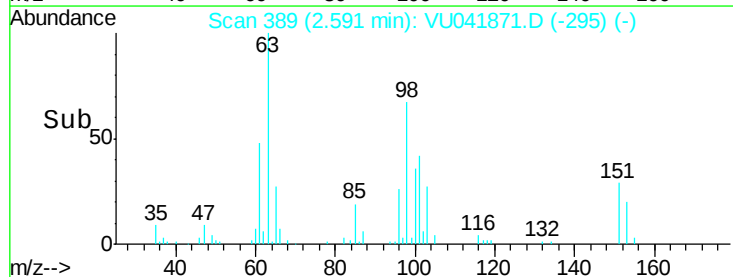
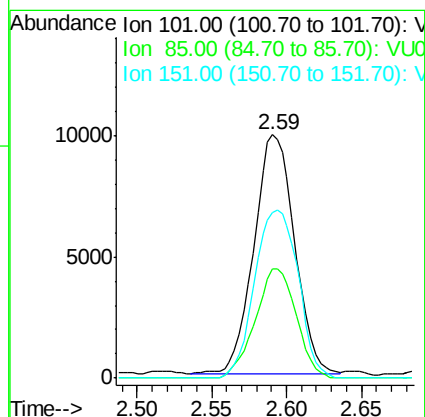
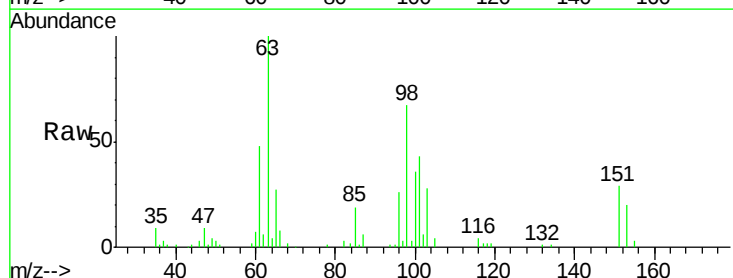
Tgt Ion:101 Resp: 1189028
Ion Ratio Lower Upper
101 100
103 64.4 51.1 76.7

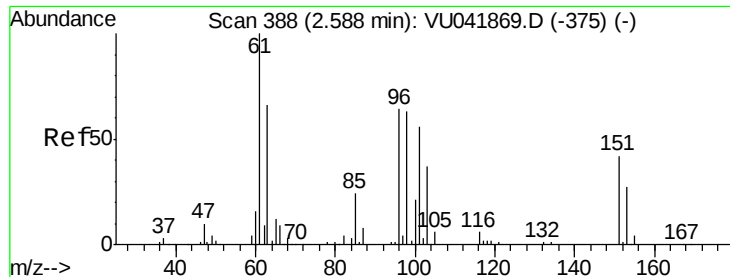


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.526 ug/L
RT: 2.59 min Scan# 389
Delta R.T. 0.00 min
Lab File: VU041871.D
Acq: 07 Jan 2021 14:41

Tgt Ion:101 Resp: 18602
Ion Ratio Lower Upper
101 100
85 46.1 33.6 50.4
151 75.3 56.2 84.4

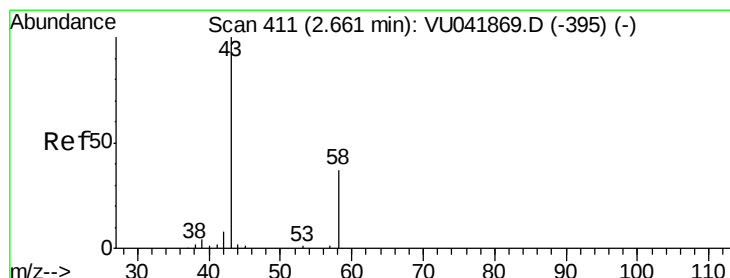
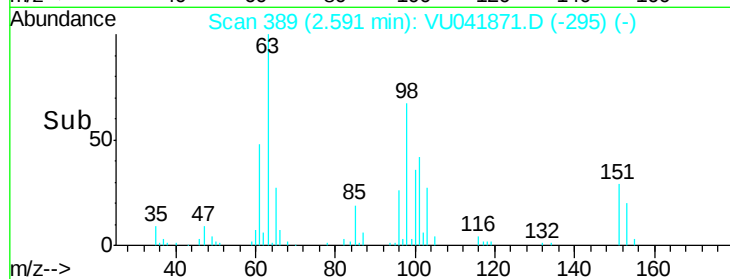
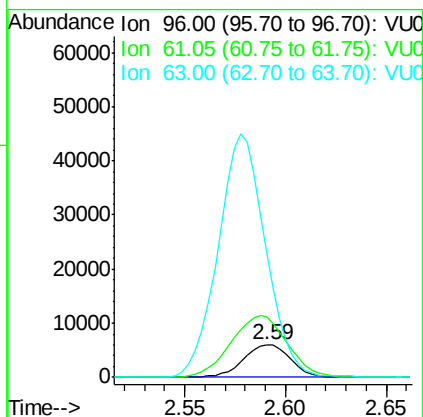
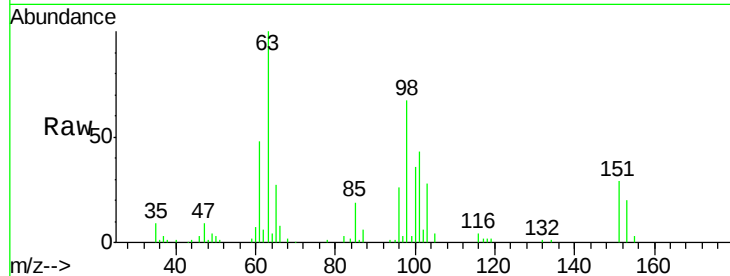




#12
 1,1-Dichloroethene
 Concen: 0.807 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VU041871.D
 Acq: 07 Jan 2021 14:41

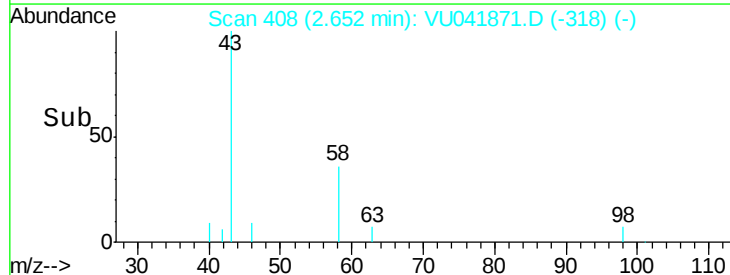
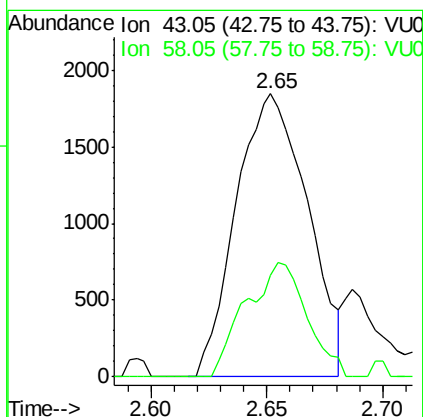
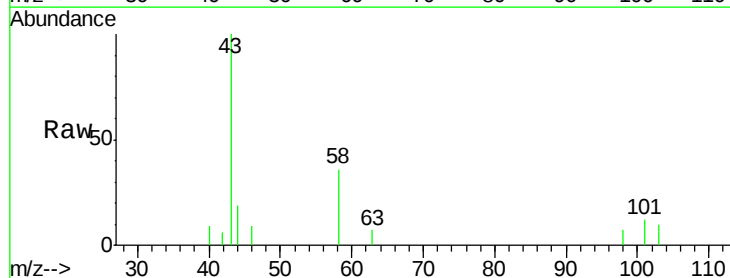
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ8

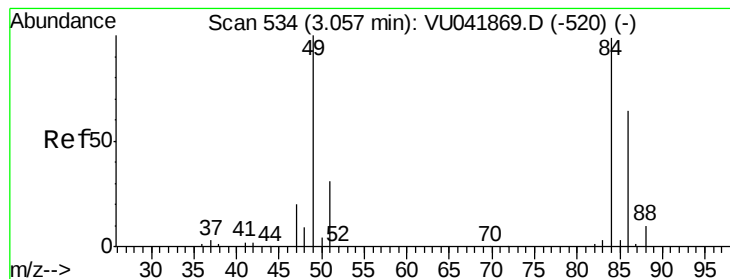
Tgt Ion: 96 Resp: 9705
 Ion Ratio Lower Upper
 96 100
 61 184.9 123.8 230.0
 63 383.6 81.0 150.4#



#13
 Acetone
 Concen: 1.563 ug/L
 RT: 2.65 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VU041871.D
 Acq: 07 Jan 2021 14:41

Tgt Ion: 43 Resp: 3956
 Ion Ratio Lower Upper
 43 100
 58 34.6 0.0 73.2





#16

Methylene chloride

Concen: 0.443 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041871.D

Acq: 07 Jan 2021 14:41

Instrument :

MSVOA_U

ClientSampleId :

BFXJ8

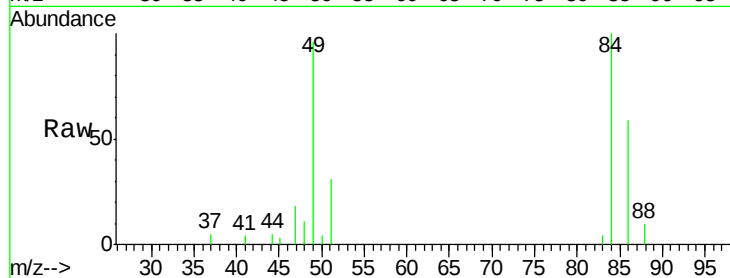
Tgt Ion: 84 Resp: 6365

Ion Ratio Lower Upper

84 100

86 58.6 45.1 83.7

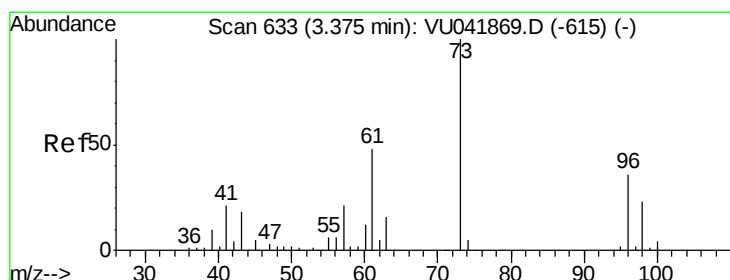
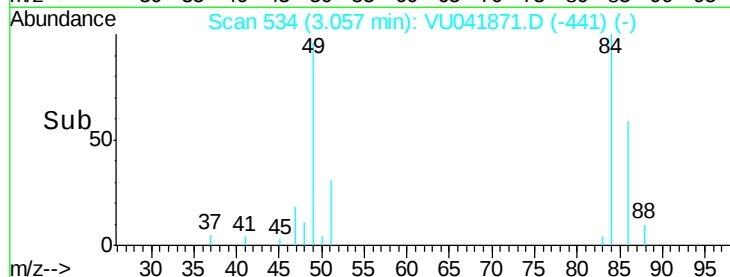
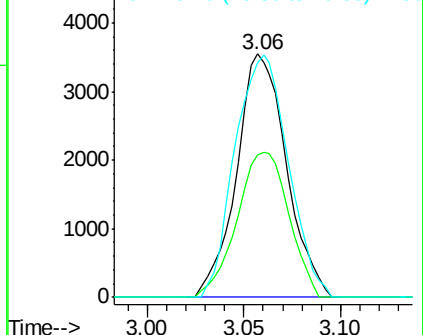
49 96.5 83.1 154.3



Abundance Ion 84.05 (83.75 to 84.75): VU041871.D (-540) (-)

Ion 86.00 (85.70 to 86.70): VU041871.D (-540) (-)

Ion 49.10 (48.80 to 49.80): VU041871.D (-540) (-)



#17

Methyl tert-butyl Ether

Concen: 2.299 ug/L

RT: 3.38 min Scan# 633

Delta R.T. -0.00 min

Lab File: VU041871.D

Acq: 07 Jan 2021 14:41

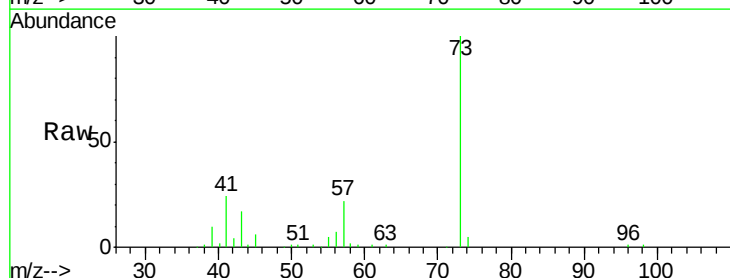
Tgt Ion: 73 Resp: 73733

Ion Ratio Lower Upper

73 100

43 19.1 14.7 22.1

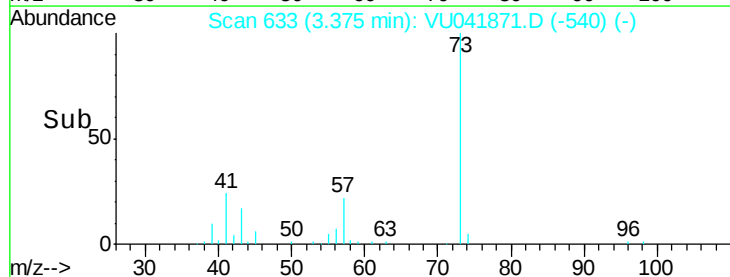
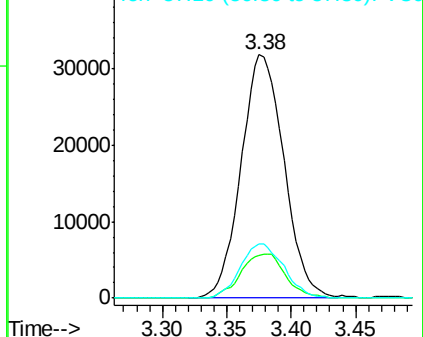
57 22.7 18.2 27.4

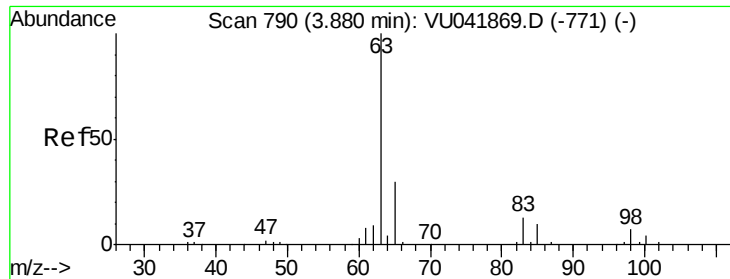


Abundance Ion 73.10 (72.80 to 73.80): VU041871.D (-540) (-)

Ion 43.05 (42.75 to 43.75): VU041871.D (-540) (-)

Ion 57.10 (56.80 to 57.80): VU041871.D (-540) (-)

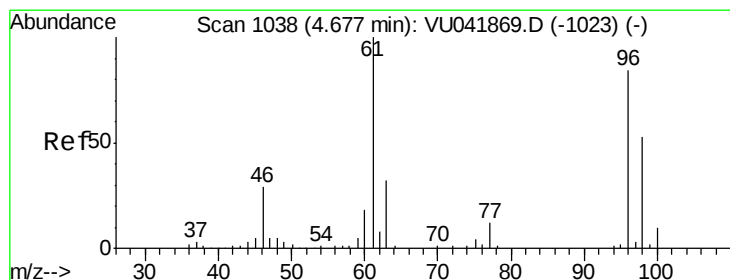
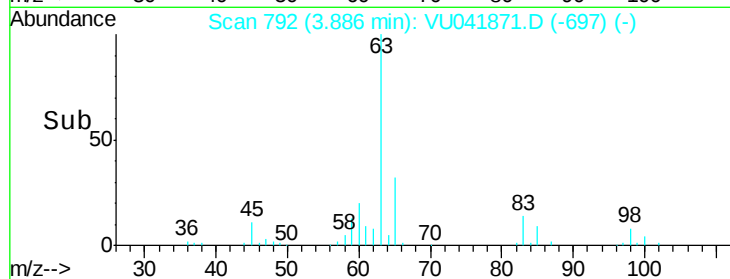
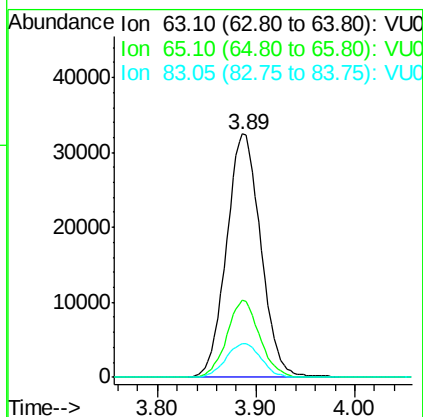
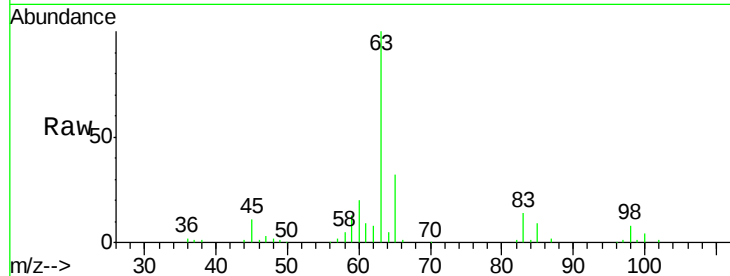




#19
 1,1-Dichloroethane
 Concen: 3.389 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: VU041871.D
 Acq: 07 Jan 2021 14:41

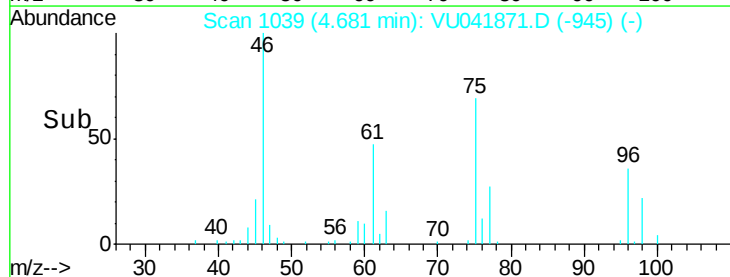
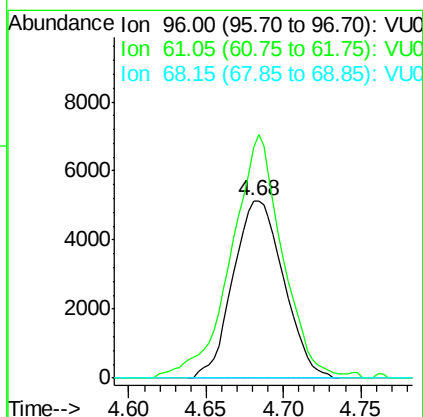
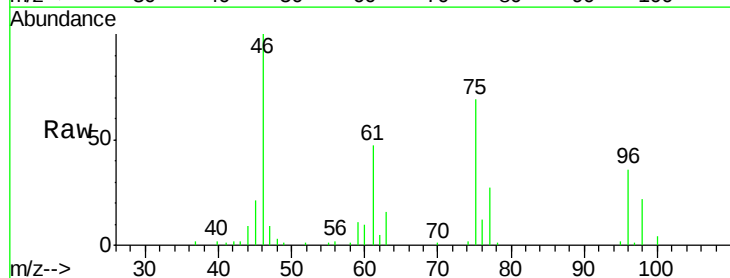
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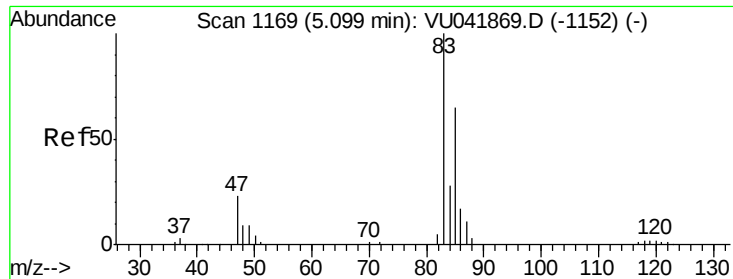
Tgt Ion: 63 Resp: 78745
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.3 39.6
 83 13.8 9.3 17.3



#22
 cis-1,2-Dichloroethene
 Concen: 0.849 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: VU041871.D
 Acq: 07 Jan 2021 14:41

Tgt Ion: 96 Resp: 11669
 Ion Ratio Lower Upper
 96 100
 61 130.2 88.8 165.0
 68 0.0 0.0 0.0

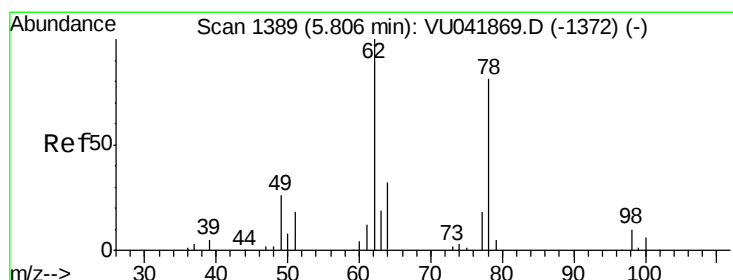
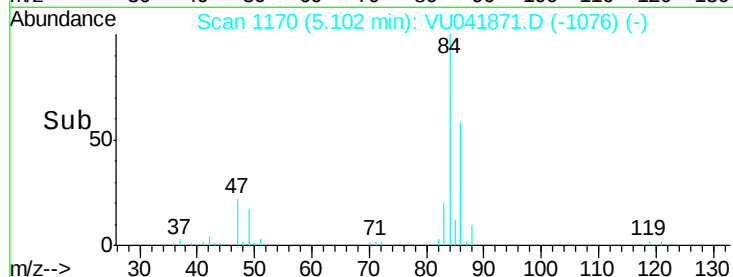
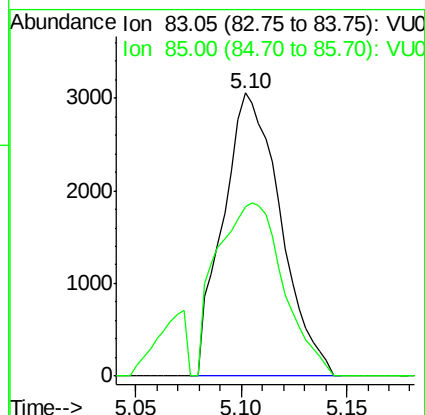
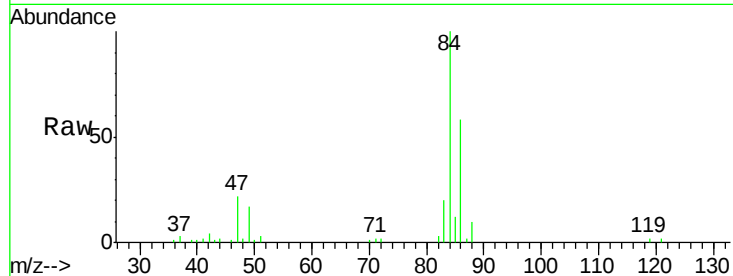




#25
Chloroform
Concen: 0.247 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VU041871.D
Acq: 07 Jan 2021 14:41

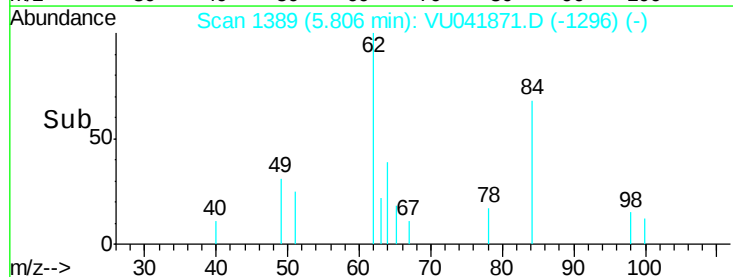
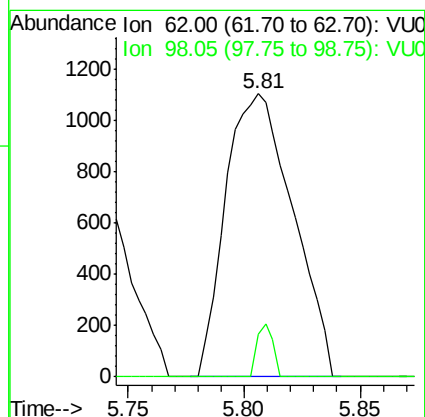
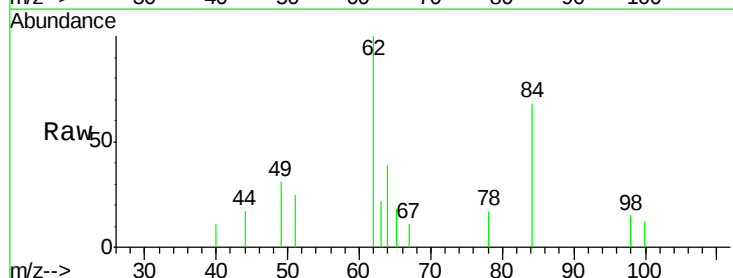
Instrument :
MSVOA_U
ClientSampleId :
BFXJ8

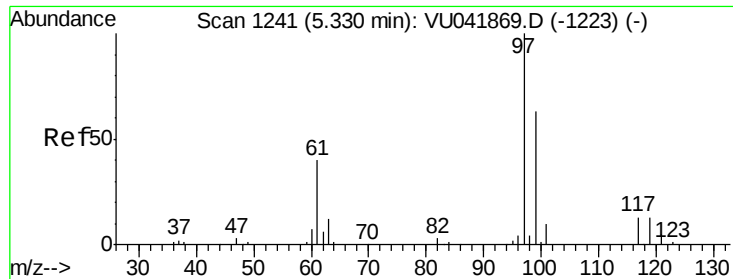
Tgt Ion: 83 Resp: 5790
Ion Ratio Lower Upper
83 100
85 59.9 44.2 82.0



#27
1,2-Dichloroethane
Concen: 0.141 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041871.D
Acq: 07 Jan 2021 14:41

Tgt Ion: 62 Resp: 2234
Ion Ratio Lower Upper
62 100
98 15.3 8.2 12.2#

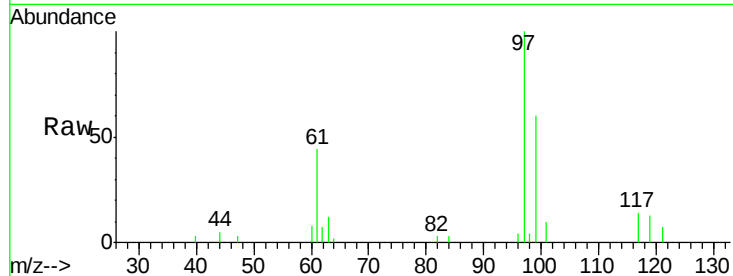




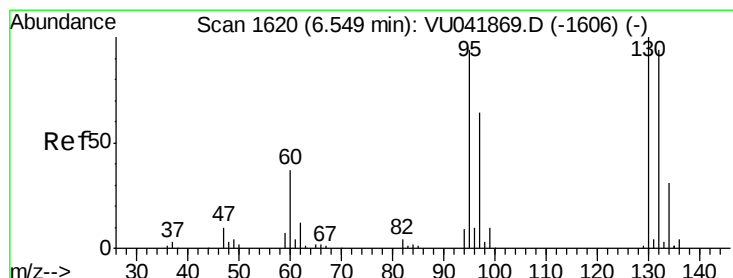
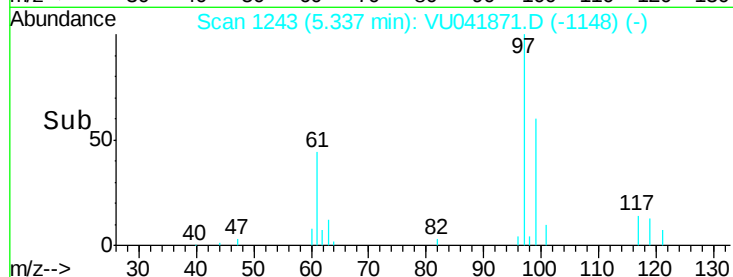
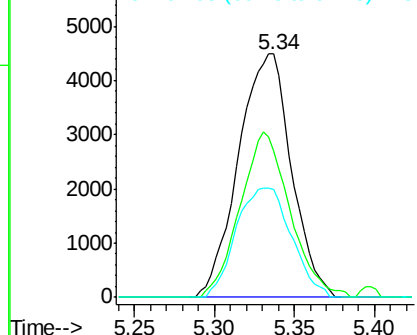
#29
 1,1,1-Trichloroethane
 Concen: 0.544 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VU041871.D
 Acq: 07 Jan 2021 14:41

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ8

Tgt Ion: 97 Resp: 10195
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.3 76.9
 61 46.7 36.5 54.7

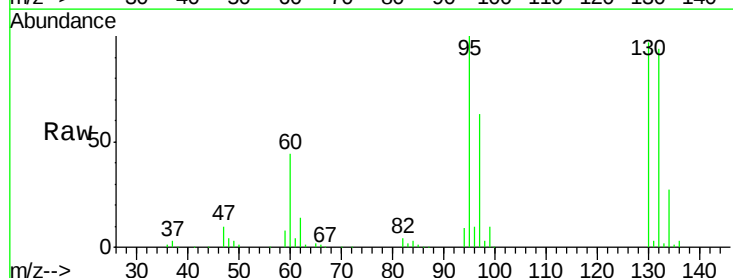


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

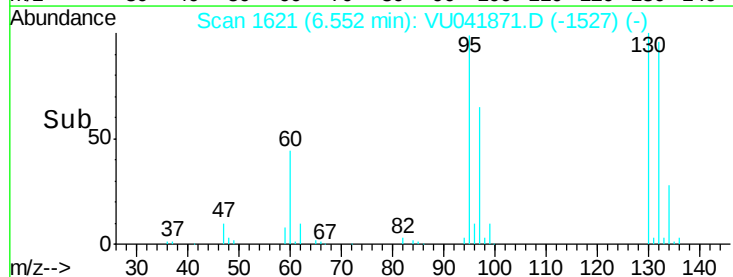
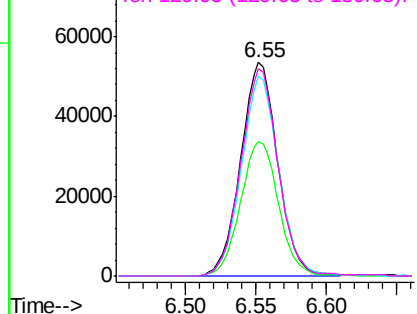


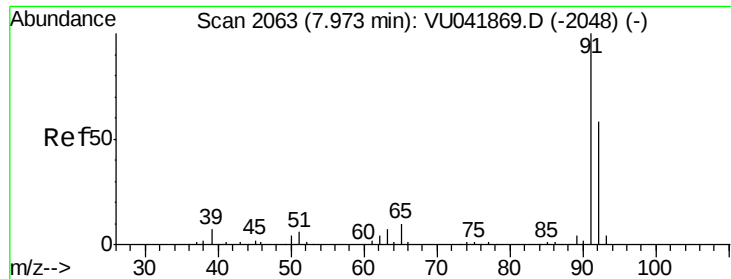
#34
 Trichloroethene
 Concen: 7.539 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041871.D
 Acq: 07 Jan 2021 14:41

Tgt Ion: 95 Resp: 98825
 Ion Ratio Lower Upper
 95 100
 97 63.2 43.9 81.5
 132 93.7 63.1 117.3
 130 97.1 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





#42

Toluene

Concen: 0.042 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041871.D

Acq: 07 Jan 2021 14:41

Instrument :

MSVOA_U

ClientSampleId :

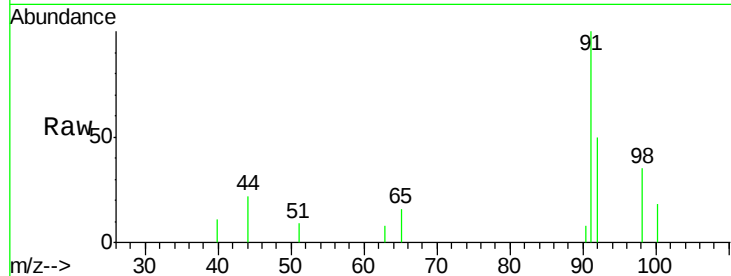
BFXJ8

Tgt Ion: 91 Resp: 2285

Ion Ratio Lower Upper

91 100

92 49.9 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041871.D (-2151) (-)

Ion 92.15 (91.85 to 92.85): VU041871.D (-2151) (-)

7.97

1500

1000

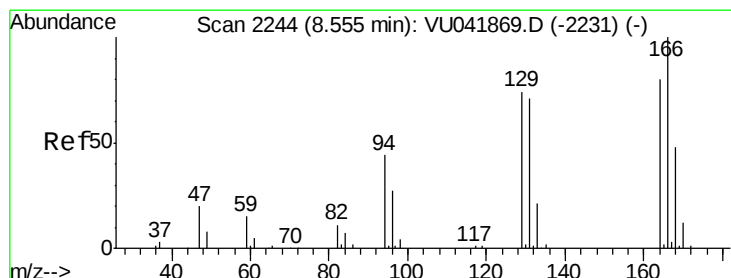
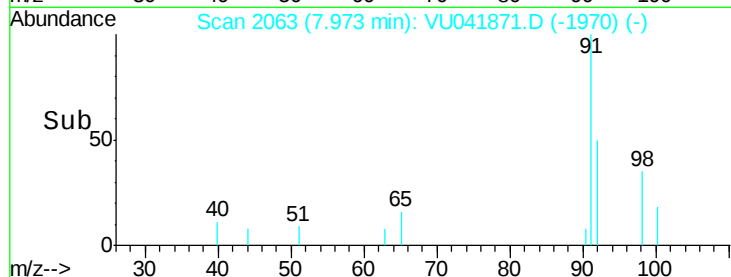
500

0

7.95

8.00

Time-->



#47

Tetrachloroethene

Concen: 1.123 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041871.D

Acq: 07 Jan 2021 14:41

Tgt Ion: 164 Resp: 10303

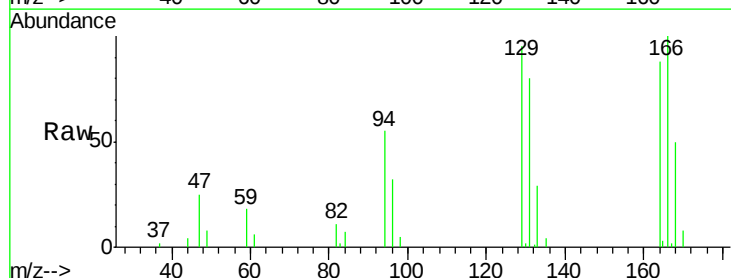
Ion Ratio Lower Upper

164 100

129 108.9 72.2 134.0

131 91.1 66.9 124.3

166 114.1 89.6 166.4



Abundance Ion 163.90 (163.60 to 164.60): VU041871.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU041871.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU041871.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU041871.D (-2151) (-)

10000

8000

6000

4000

2000

0

8.50

8.55

8.60

Time-->

