

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041935.D
 Acq On : 11 Jan 2021 21:06
 Operator : SY/MD
 Sample : M1026-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL6

Quant Time: Jan 12 03:29:56 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	102975	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	100691	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	40949	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	48088	5.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.80%
7) Chloroethane-d5	1.92	69	45085	5.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.20%
11) 1,1-Dichloroethene-d2	2.58	63	67768	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.40%
20) 2-Butanone-d5	4.65	46	149481	61.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.94%
24) Chloroform-d	5.08	84	86133	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
26) 1,2-Dichloroethane-d4	5.72	65	49541	5.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.80%
32) Benzene-d6	5.74	84	165997	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.60%
36) 1,2-Dichloropropane-d6	6.70	67	54464	5.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.60%
41) Toluene-d8	7.90	98	139298	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	8.18	79	21643	5.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.00%
46) 2-Hexanone-d5	8.64	63	122201	61.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.84%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47718	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	51325	6.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	132.60%#

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	585	0.054 ug/L	87
9) Trichlorofluoromethane	2.14	101	716	0.047 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	724	0.088 ug/L #	20
12) 1,1-Dichloroethene	2.57	96	630	0.078 ug/L #	1
13) Acetone	2.65	43	3537	2.258 ug/L	97
15) Methyl Acetate	2.96	43	677	0.190 ug/L #	50
16) Methylene chloride	3.06	84	1808	0.179 ug/L	90
17) Methyl tert-butyl Ether	3.38	73	1138	0.059 ug/L #	74
19) 1,1-Dichloroethane	3.89	63	841	0.057 ug/L #	50
25) Chloroform	5.10	83	5722	0.375 ug/L	83
29) 1,1,1-Trichloroethane	5.33	97	1184	0.090 ug/L #	59
34) Trichloroethene	6.56	95	3670	0.431 ug/L	94
35) Methylcyclohexane	6.70	83	12043	0.962 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	6075	0.751 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1115	0.093 ug/L #	30
44) trans-1,3-Dichloropropene	8.19	75	783	0.074 ug/L	85
47) Tetrachloroethene	8.56	164	881	0.149 ug/L	89

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QLast Update : Tue Jan 12 03:17:19 2021
Response via : Initial Calibration

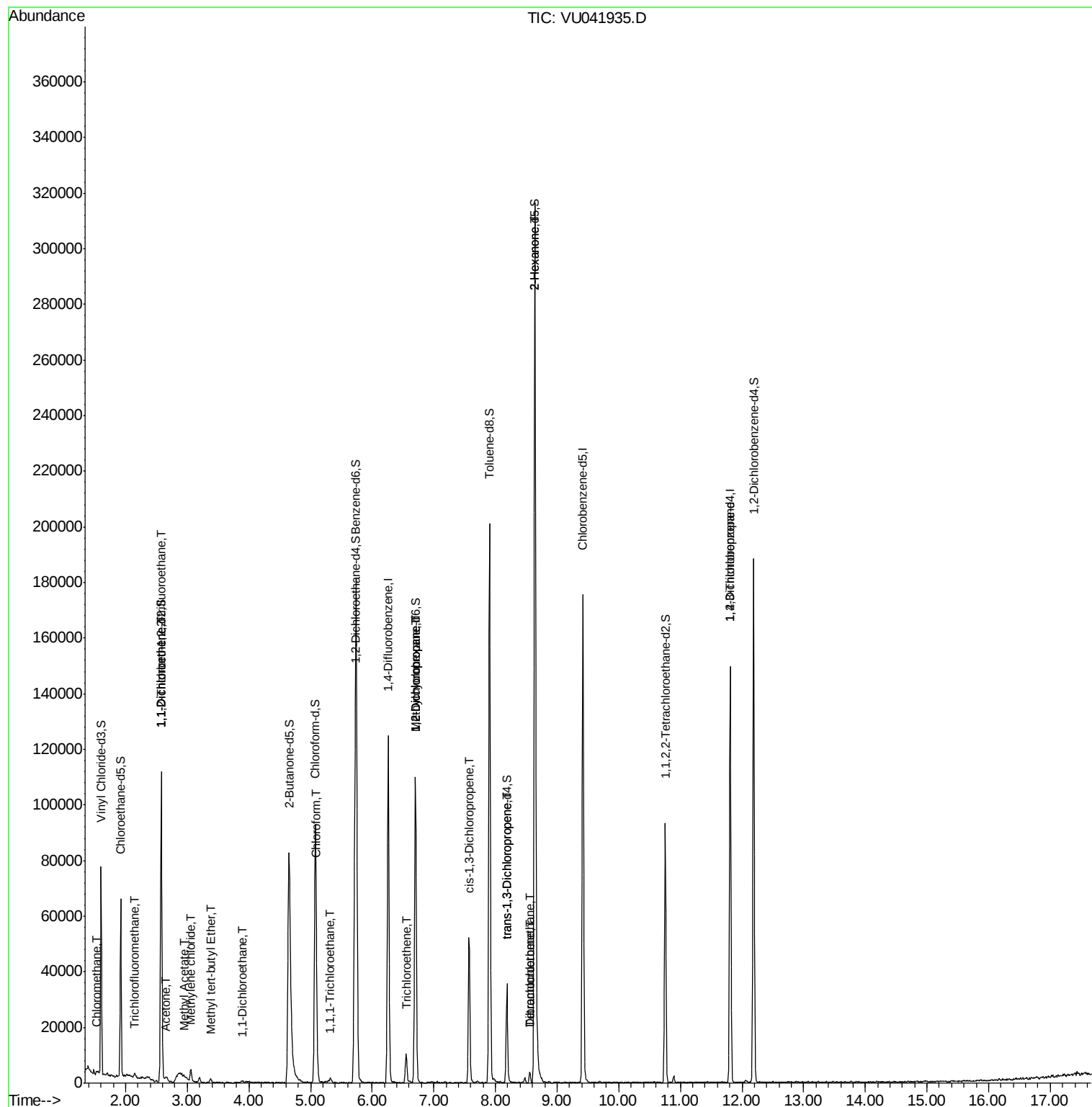
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.64	43	14487	3.825	ug/L #	65
49) Dibromochloromethane	8.55	129	1007	0.133	ug/L #	10
59) 1,2,3-Trichloropropane	11.80	75	4594	0.777	ug/L	100

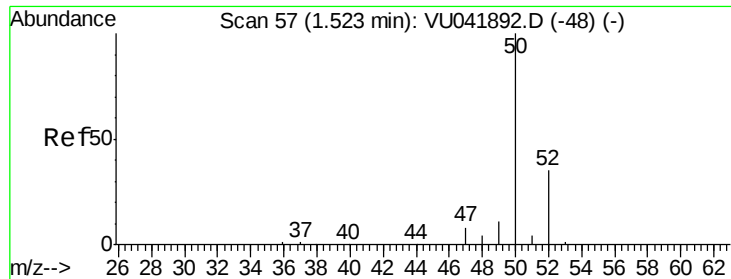
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU011121\
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#3

Chloromethane

Concen: 0.054 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041935.D

Acq: 11 Jan 2021 21:06

Instrument :

MSVOA_U

ClientSampleId :

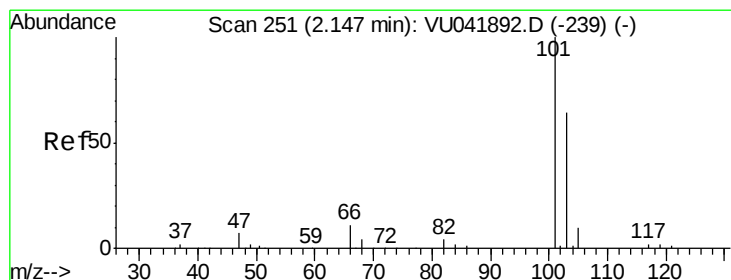
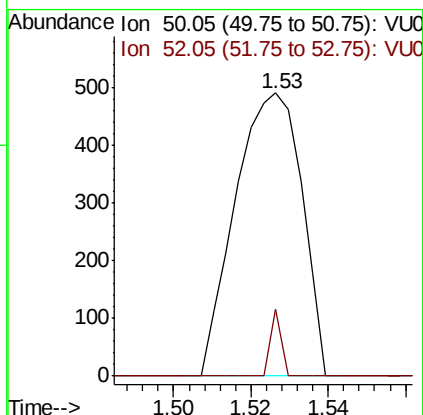
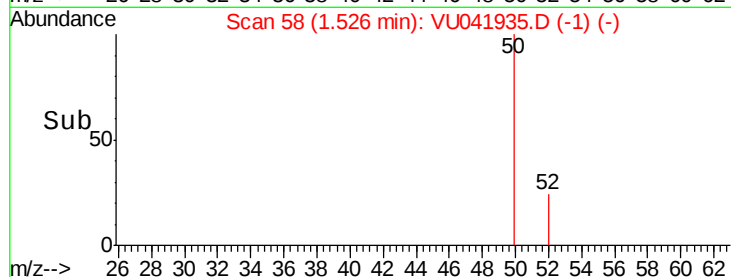
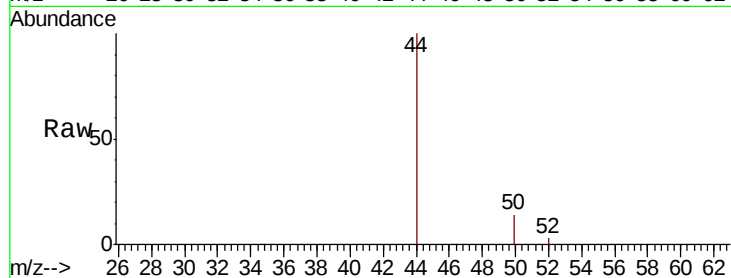
BFXL6

Tot Ion: 50 Resp: 585

Ion Ratio Lower Upper

50 100

52 23.7 21.4 39.8



#9

Trichlorofluoromethane

Concen: 0.047 ug/L

RT: 2.14 min Scan# 250

Delta R.T. -0.00 min

Lab File: VU041935.D

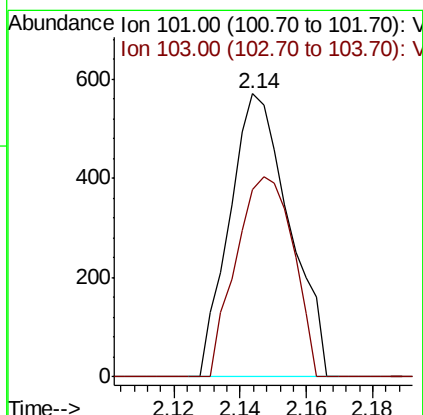
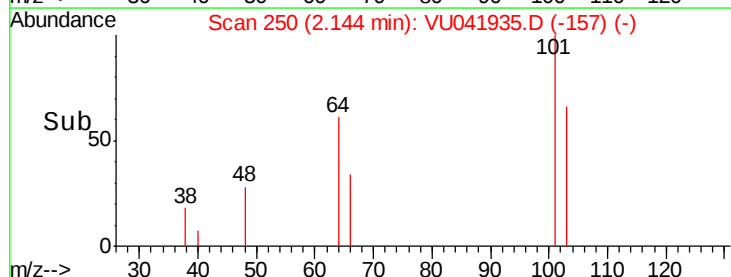
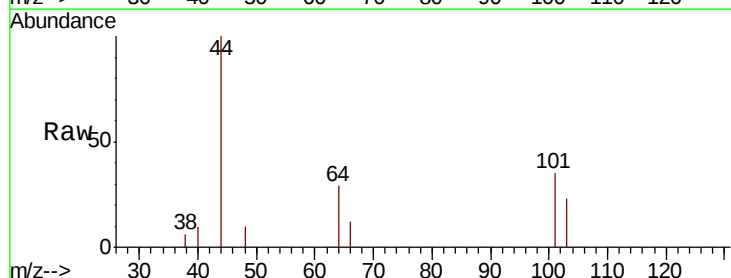
Acq: 11 Jan 2021 21:06

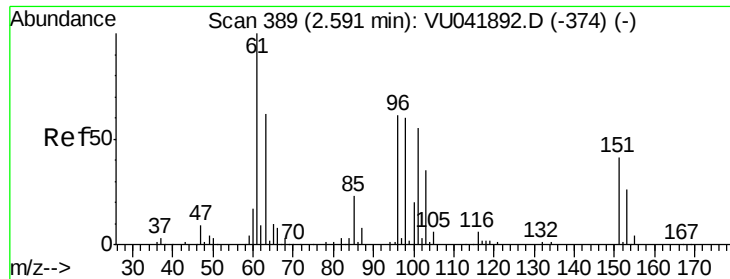
Tgt Ion:101 Resp: 716

Ion Ratio Lower Upper

101 100

103 67.3 51.3 76.9





#10

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

Concen: 0.088 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041935.D

Acq: 11 Jan 2021 21:06

Instrument :

MSVOA_U

ClientSampleId :

BFXL6

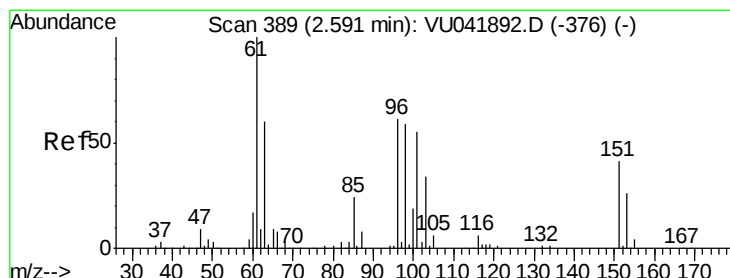
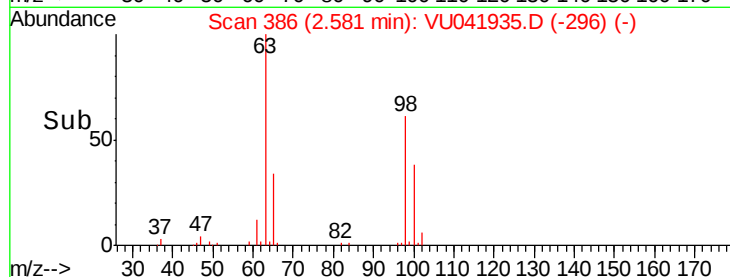
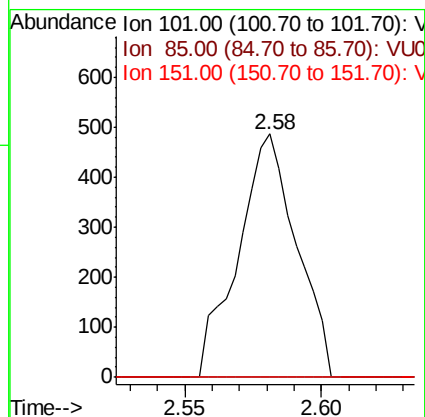
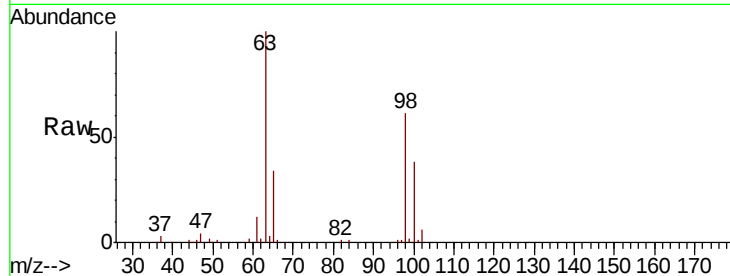
Tot Ion:101 Resp: 724

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 58.2 87.2#



#12

1,1-Dichloroethene

Concen: 0.078 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.01 min

Lab File: VU041935.D

Acq: 11 Jan 2021 21:06

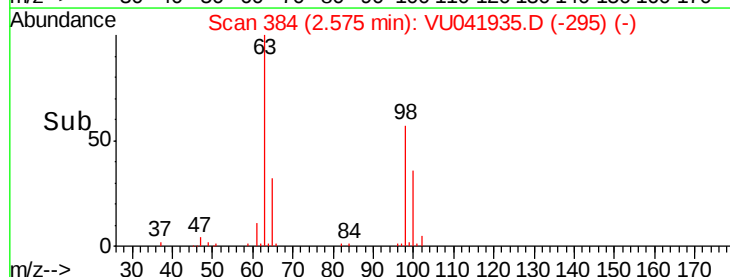
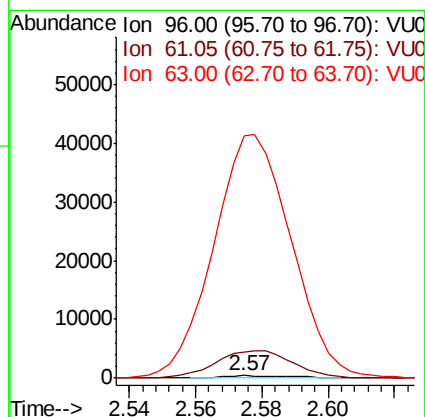
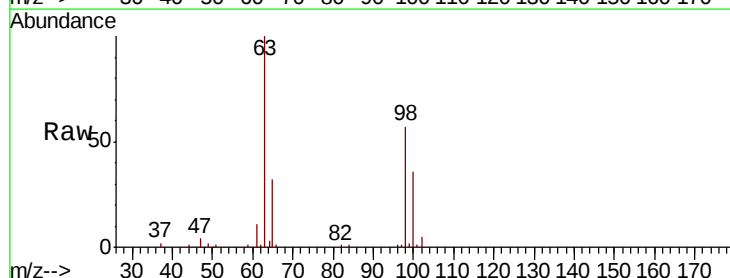
Tgt Ion: 96 Resp: 630

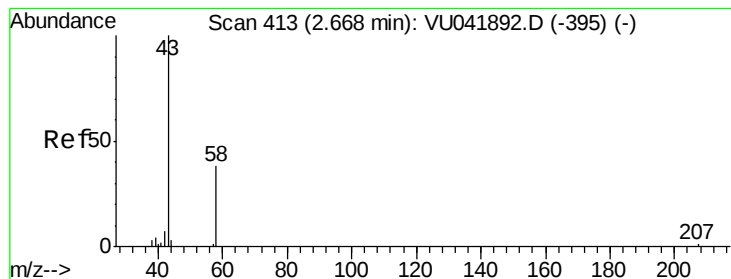
Ion Ratio Lower Upper

96 100

61 1116.7 123.5 229.4#

63 10294.3 93.5 173.7#





#13

Acetone

Concen: 2.258 ug/L

RT: 2.65 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU041935.D

Acq: 11 Jan 2021 21:06

Instrument :

MSVOA_U

ClientSampleId :

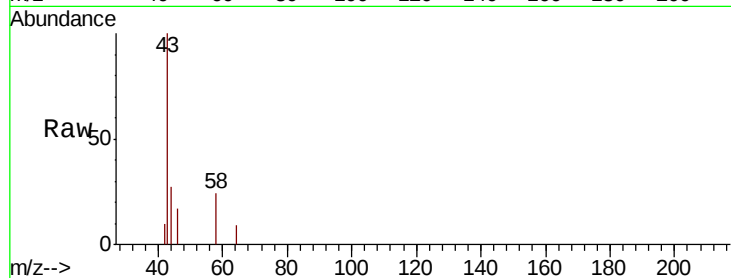
BFXL6

Tot Ion: 43 Resp: 3537

Ion Ratio Lower Upper

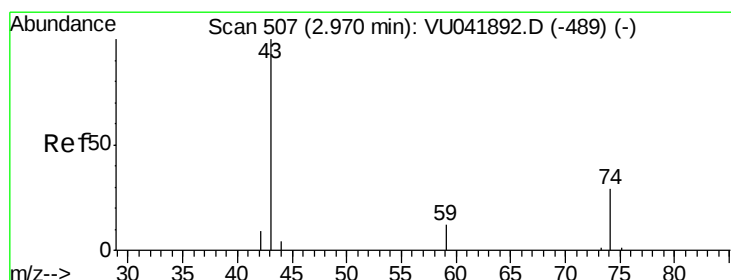
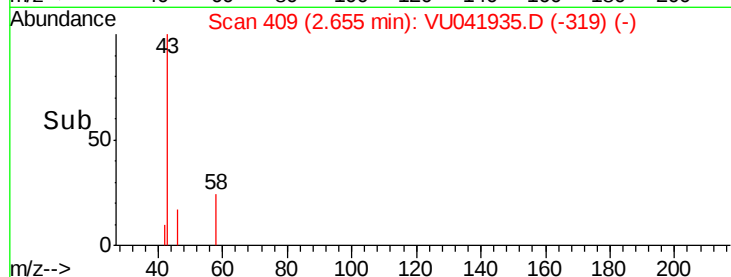
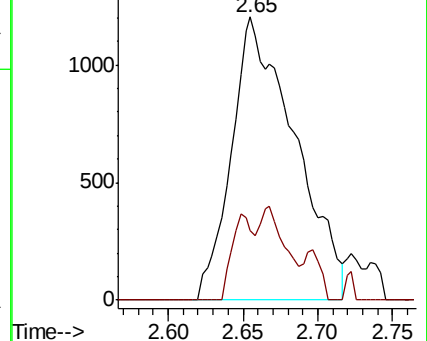
43 100

58 10.5 0.0 23.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#15

Methyl Acetate

Concen: 0.190 ug/L

RT: 2.96 min Scan# 504

Delta R.T. -0.01 min

Lab File: VU041935.D

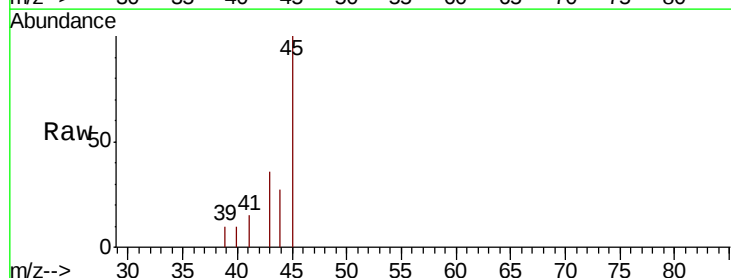
Acq: 11 Jan 2021 21:06

Tgt Ion: 43 Resp: 677

Ion Ratio Lower Upper

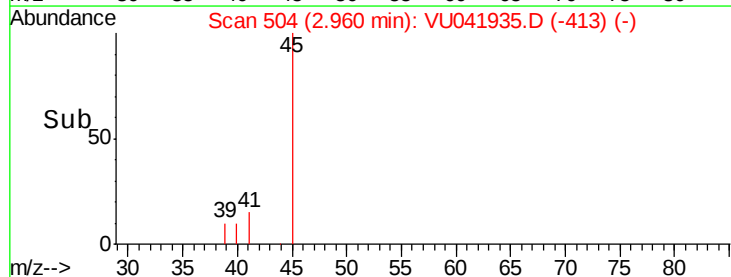
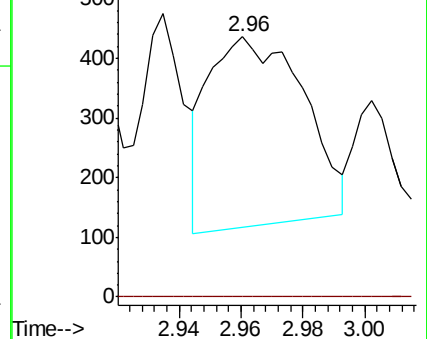
43 100

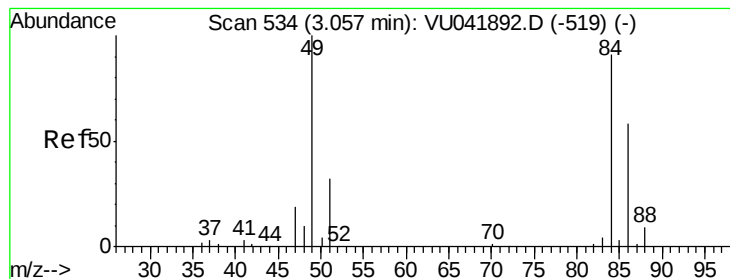
74 0.0 19.8 29.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0





#16

Methylene chloride

Concen: 0.179 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041935.D

Acq: 11 Jan 2021 21:06

Instrument :

MSVOA_U

ClientSampleId :

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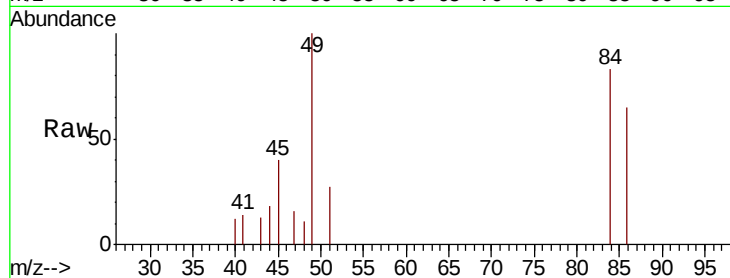
Tot Ion: 84 Resp: 1808

Ion Ratio Lower Upper

84 100

86 78.4 43.5 80.7

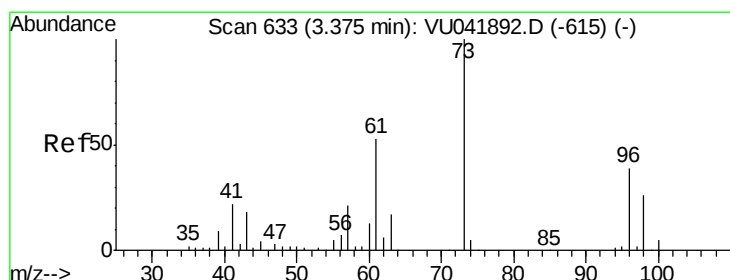
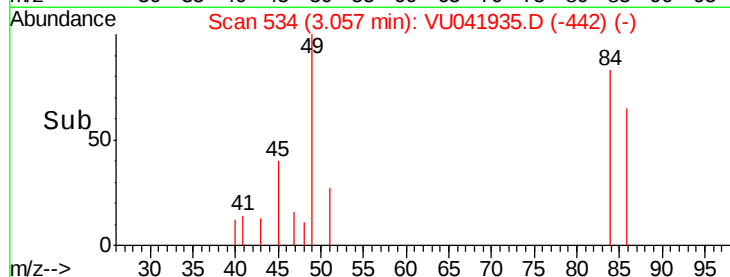
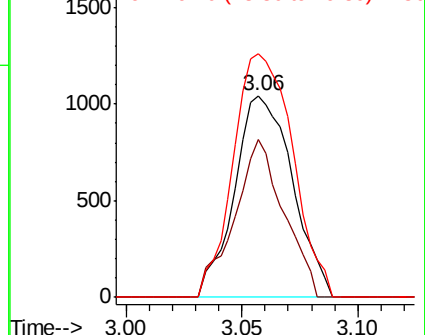
49 120.6 81.8 151.8



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#17

Methyl tert-butyl Ether

Concen: 0.059 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU041935.D

Acq: 11 Jan 2021 21:06

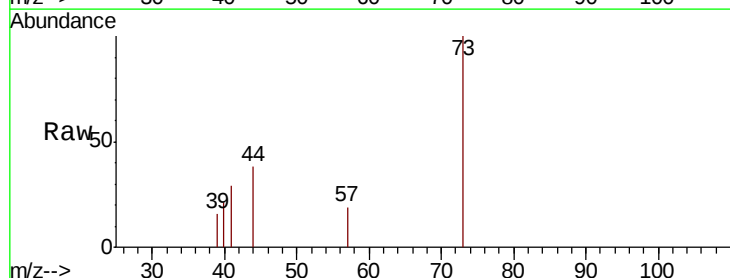
Tgt Ion: 73 Resp: 1138

Ion Ratio Lower Upper

73 100

43 4.0 15.8 23.8#

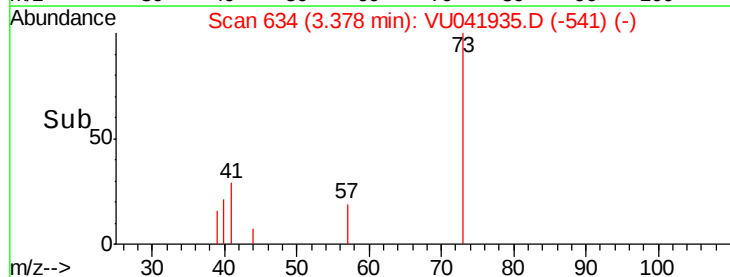
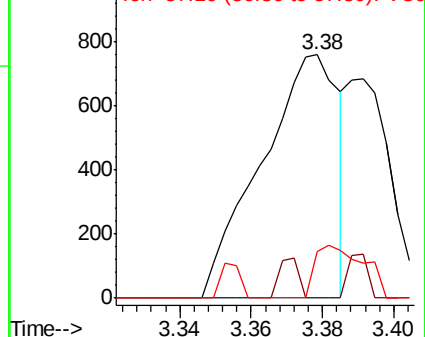
57 13.6 18.3 27.5#

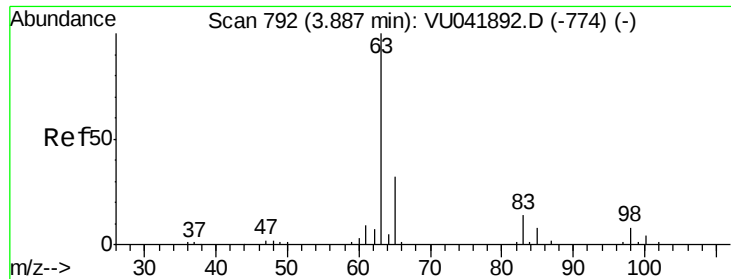


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0

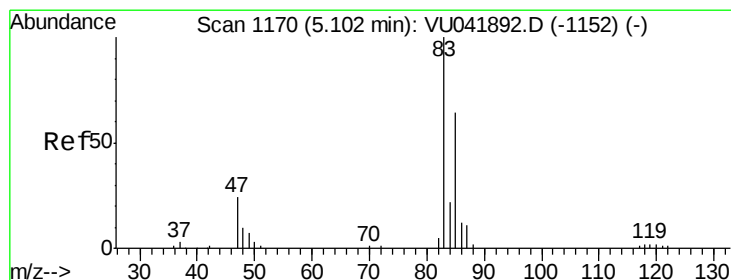
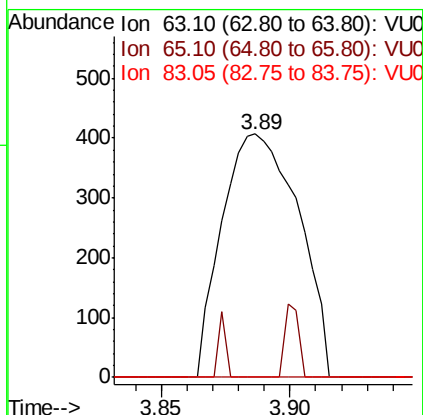
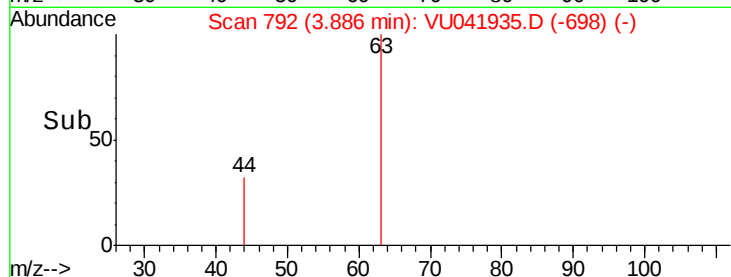
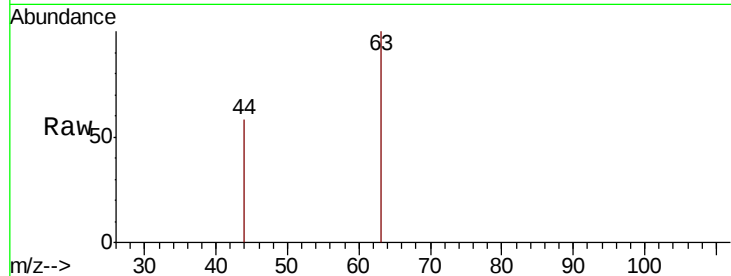




#19
 1,1-Dichloroethane
 Concen: 0.057 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041935.D
 Acq: 11 Jan 2021 21:06

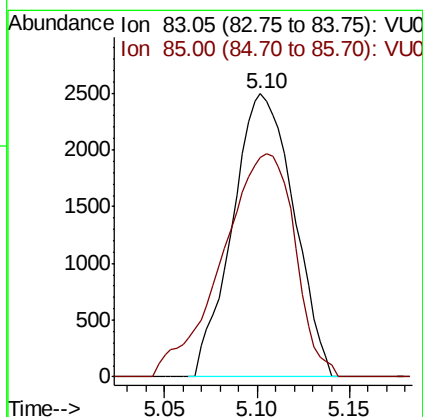
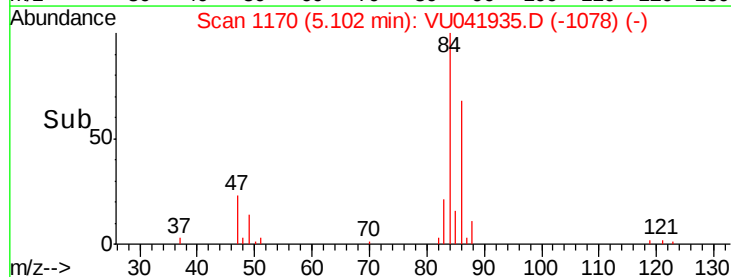
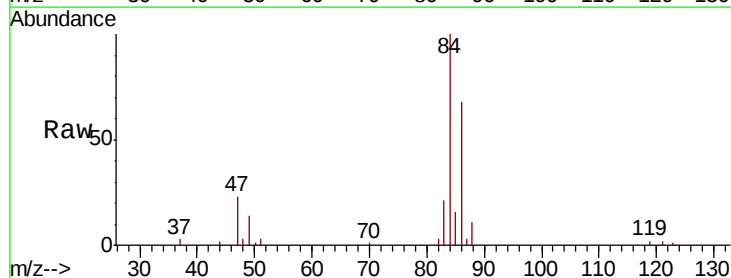
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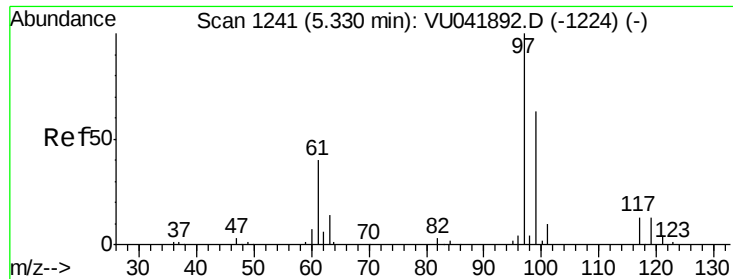
Tot Ion: 63 Resp: 841
 Ion Ratio Lower Upper
 63 100
 65 0.0 22.3 41.5#
 83 0.0 9.0 16.8#



#25
 Chloroform
 Concen: 0.375 ug/L
 RT: 5.10 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VU041935.D
 Acq: 11 Jan 2021 21:06

Tgt Ion: 83 Resp: 5722
 Ion Ratio Lower Upper
 83 100
 85 77.7 45.1 83.9

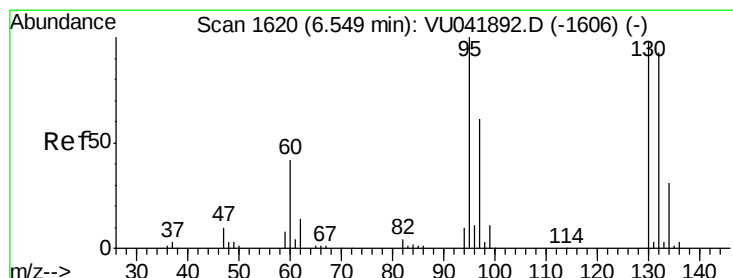
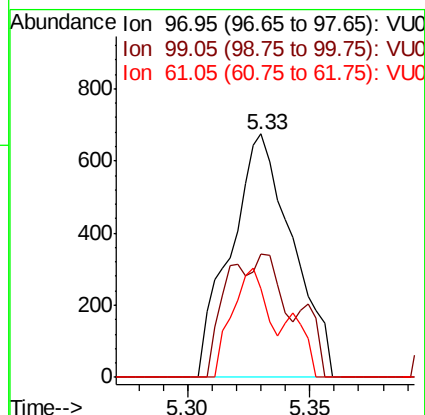
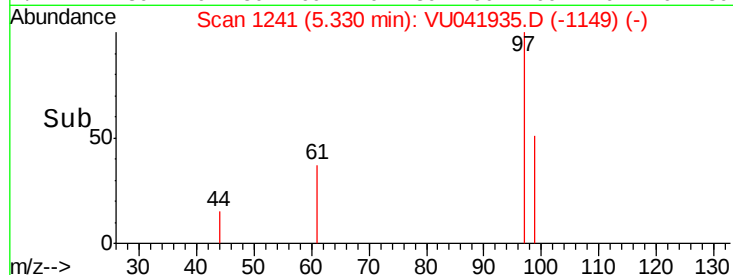
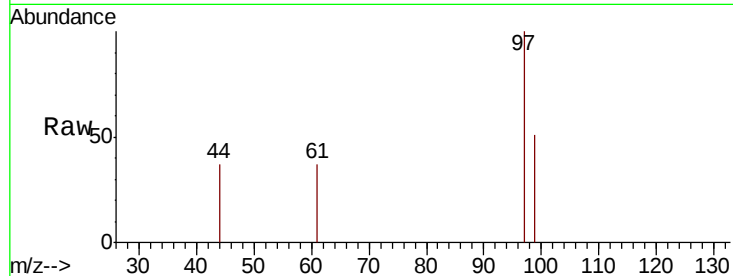




#29
1,1,1-Trichloroethane
Concen: 0.090 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU041935.D
Acq: 11 Jan 2021 21:06

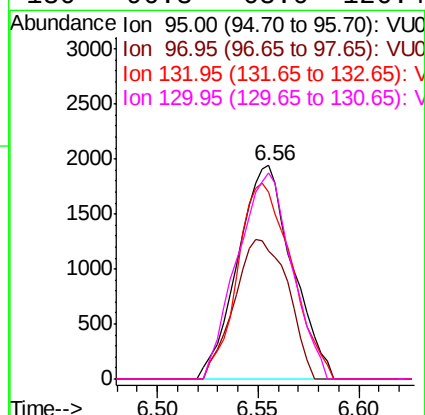
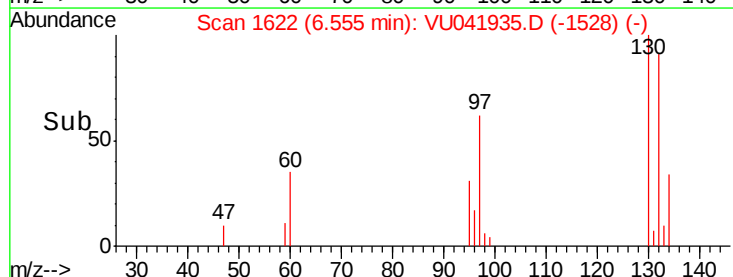
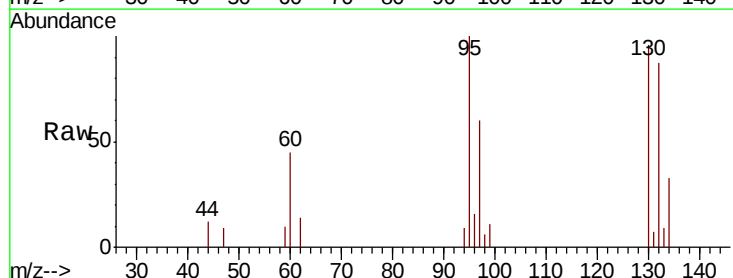
Instrument :
MSVOA_U
ClientSampled :
BFXL6

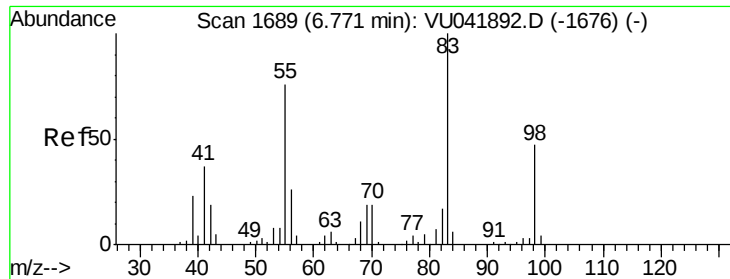
Tot Ion: 97 Resp: 1184
Ion Ratio Lower Upper
97 100
99 25.5 51.4 77.2#
61 26.2 35.3 52.9#



#34
Trichloroethene
Concen: 0.431 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU041935.D
Acq: 11 Jan 2021 21:06

Tgt Ion: 95 Resp: 3670
Ion Ratio Lower Upper
95 100
97 60.0 45.2 84.0
132 87.3 68.7 127.5
130 96.3 68.0 126.4

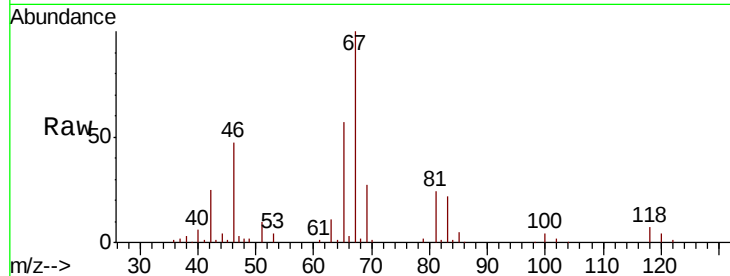




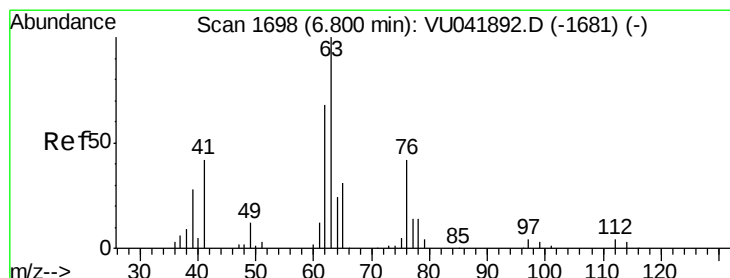
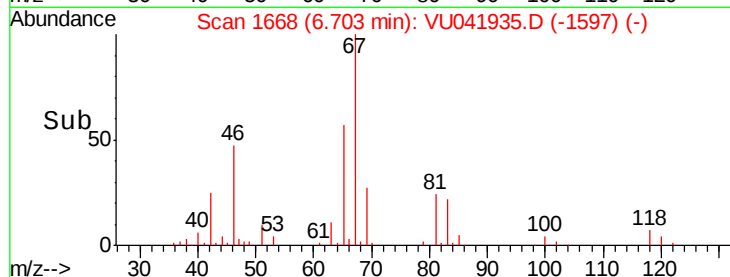
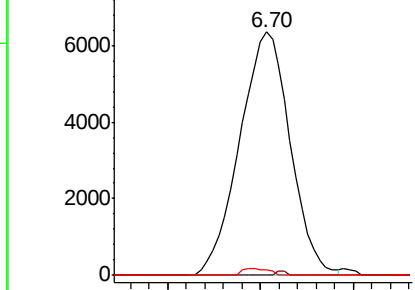
#35
Methvlcvclohexane
Concen: 0.962 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041935.D
Acq: 11 Jan 2021 21:06

Instrument :
MSVOA_U
ClientSampleId :
BFXL6

Tot Ion: 83 Resp: 12043
Ion Ratio Lower Upper
83 100
55 0.4 64.3 96.5#
98 1.4 36.6 54.8#

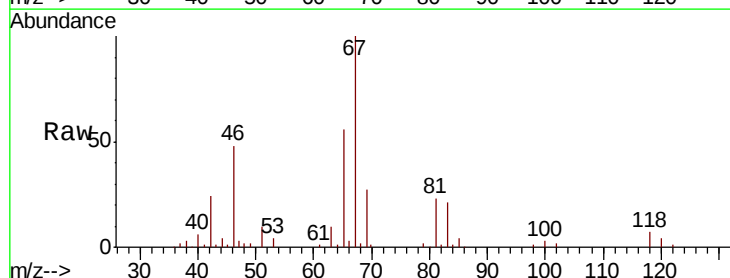


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

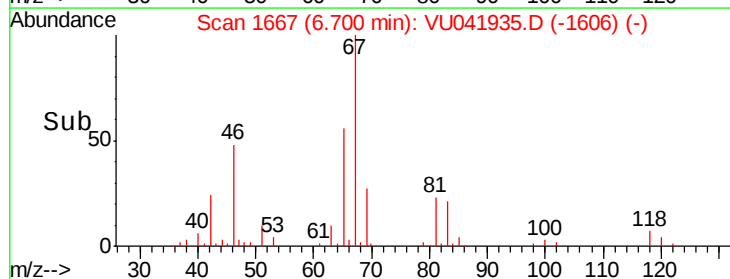
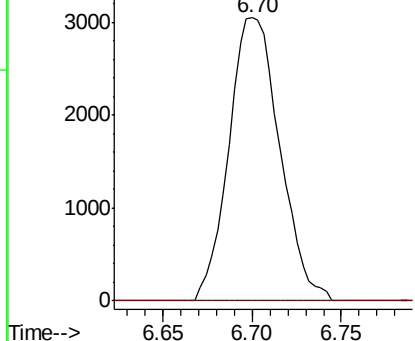


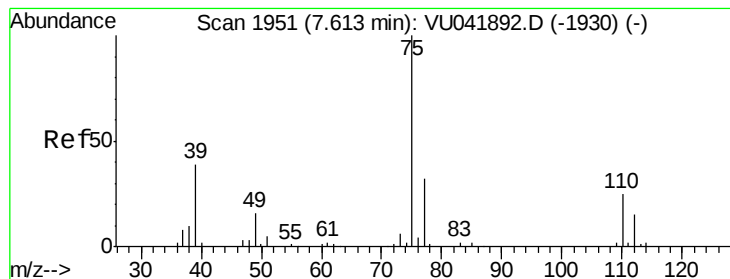
#37
1,2-Dichloropropane
Concen: 0.751 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041935.D
Acq: 11 Jan 2021 21:06

Tgt Ion: 63 Resp: 6075
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



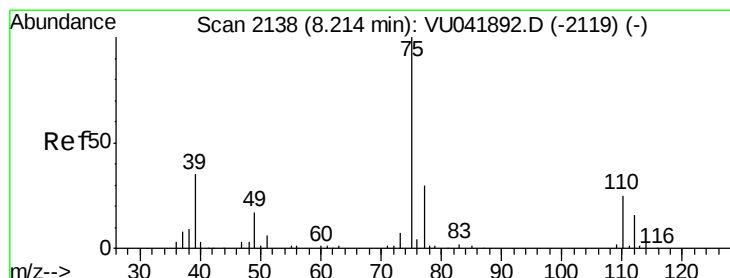
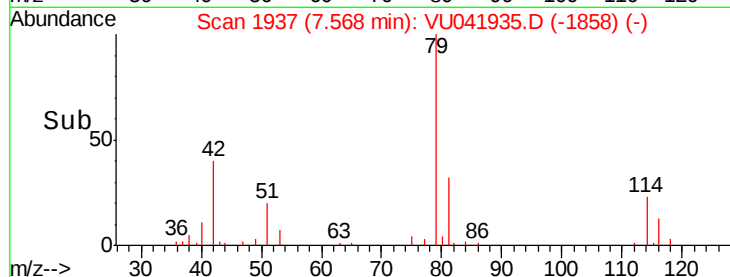
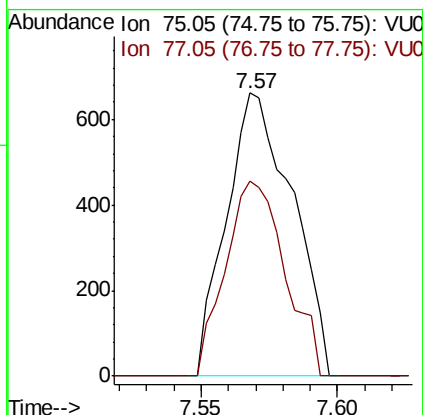
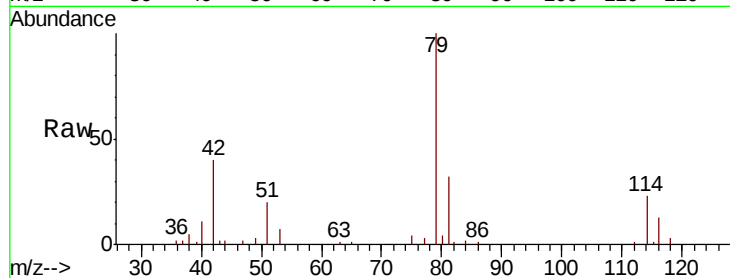


#39

cis-1,3-Dichloropropene
Concen: 0.093 ug/L
RT: 7.57 min Scan# 1937
Delta R.T. -0.05 min
Lab File: VU041935.D
Acq: 11 Jan 2021 21:06

Instrument :
MSVOA_U
ClientSampleId :
BFXL6

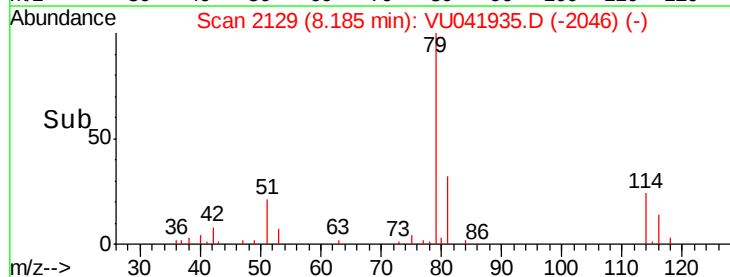
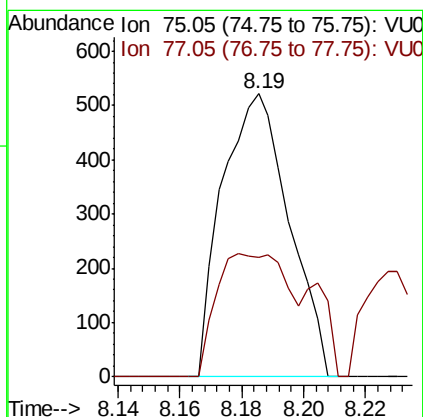
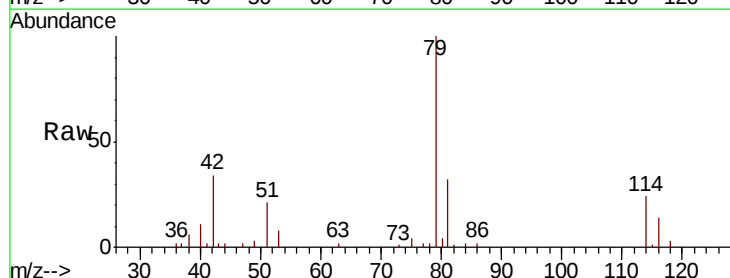
Tot Ion: 75 Resp: 1115
Ion Ratio Lower Upper
75 100
77 68.9 21.5 39.9#

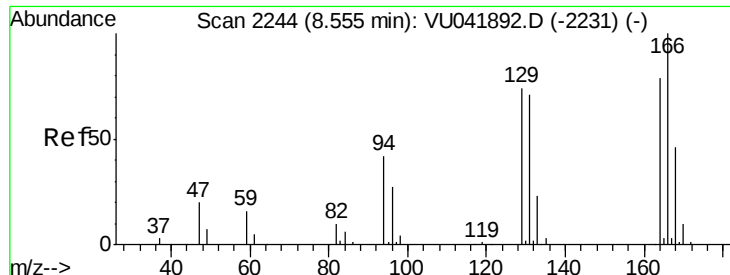


#44

trans-1,3-Dichloropropene
Concen: 0.074 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041935.D
Acq: 11 Jan 2021 21:06

Tgt Ion: 75 Resp: 783
Ion Ratio Lower Upper
75 100
77 42.3 23.7 44.1





#47

Tetrachloroethene

Concen: 0.149 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041935.D

Acq: 11 Jan 2021 21:06

Instrument :
MSVOA_U
ClientSampleId :
BFXL6

Tot Ion:164 Resp: 881

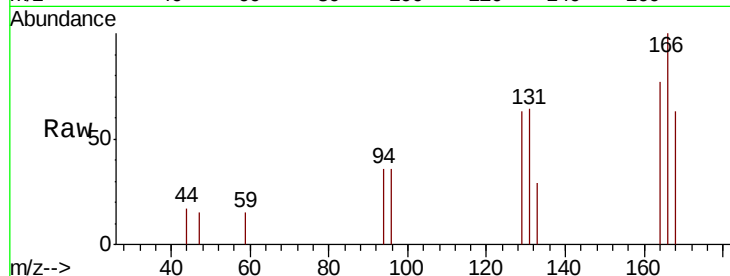
Ion Ratio Lower Upper

164 100

129 81.9 69.2 128.6

131 83.4 69.7 129.5

166 130.7 89.2 165.8

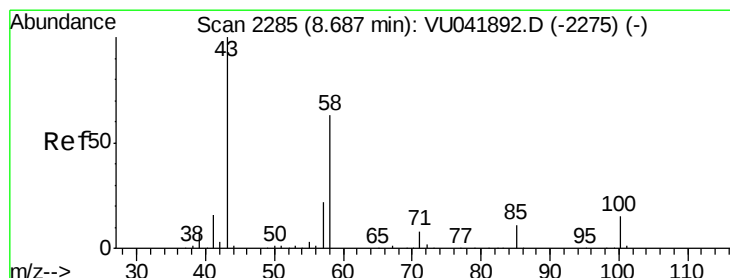
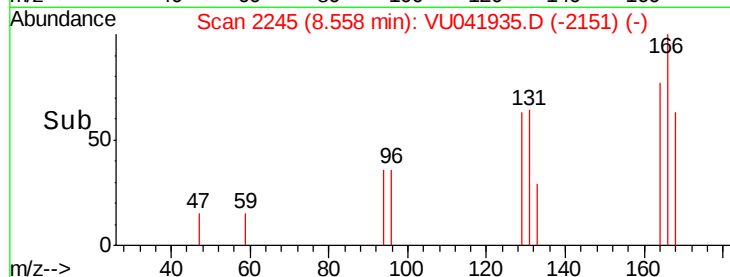
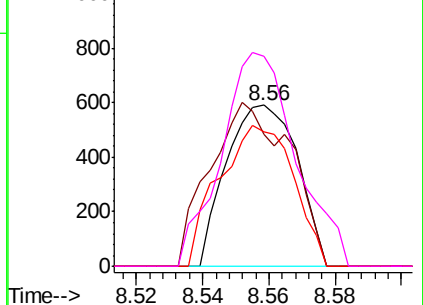


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 3.825 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041935.D

Acq: 11 Jan 2021 21:06

Tgt Ion: 43 Resp: 14487

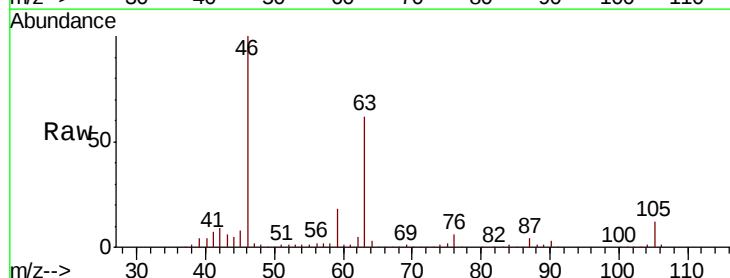
Ion Ratio Lower Upper

43 100

58 28.7 47.6 71.4#

57 31.4 17.1 25.7#

100 1.5 10.4 15.6#

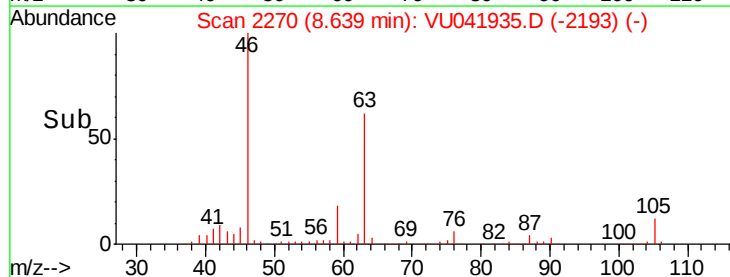
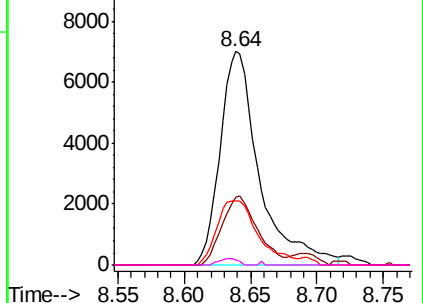


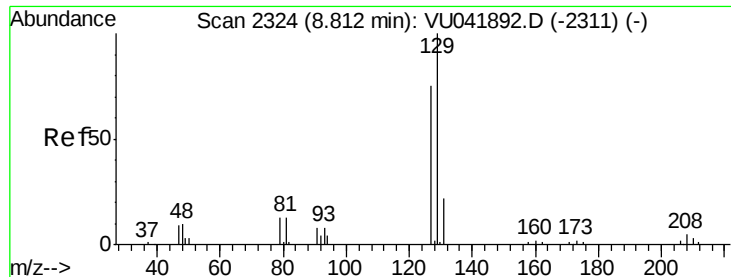
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.133 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. -0.26 min

Lab File: VU041935.D

Acq: 11 Jan 2021 21:06

Instrument :

MSVOA_U

ClientSampleId :

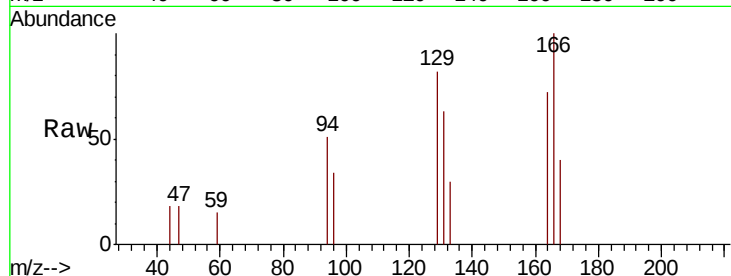
BFXL6

Tot Ion:129 Resp: 1007

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.55

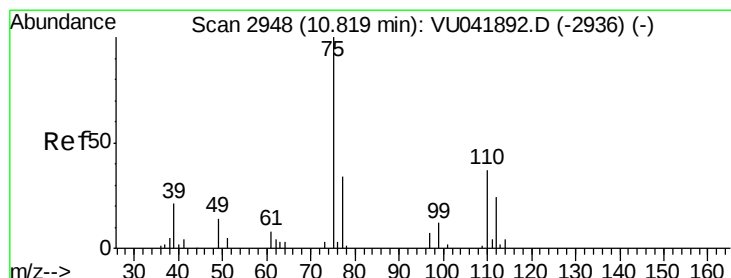
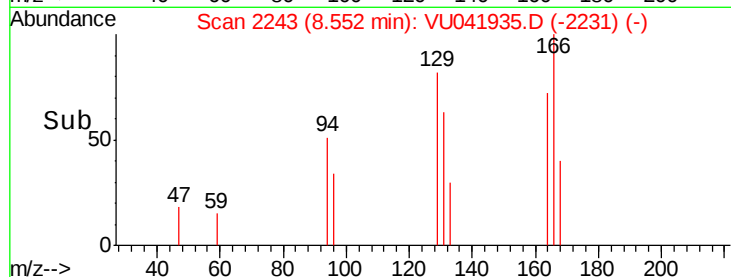
600

400

200

0

Time--> 8.52 8.54 8.56 8.58



#59

1,2,3-Trichloropropane

Concen: 0.777 ug/L

RT: 11.80 min Scan# 3254

Delta R.T. 0.98 min

Lab File: VU041935.D

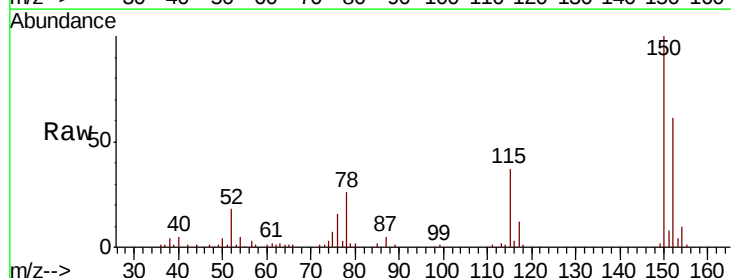
Acq: 11 Jan 2021 21:06

Tgt Ion: 75 Resp: 4594

Ion Ratio Lower Upper

75 100

77 33.6 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.80

3000

2500

2000

1500

1000

500

0

Time--> 11.75 11.80 11.85

