

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012722\
 Data File : VU046867.D
 Acq On : 27 Jan 2022 13:40
 Operator : SY/MD
 Sample : N1260-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX3

Quant Time: Jan 28 00:59:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 28 00:56:24 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	104047	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	114120	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	59733	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	34817	3.949	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.000%
7) Chloroethane-d5	1.919	69	31764	4.573	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.400%
11) 1,1-Dichloroethene-d2	2.575	65	14933	4.258	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.200%
20) 2-Butanone-d5	4.649	46	105094	40.237	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.480%
24) Chloroform-d	5.070	84	74953	4.843	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	5.706	65	40895	4.852	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	5.732	84	141665	4.224	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
36) 1,2-Dichloropropane-d6	6.693	67	45717	4.540	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.899	98	115993	3.778	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.600%
43) trans-1,3-Dichloroprop...	8.182	79	16952	3.833	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.600%
46) 2-Hexanone-d5	8.635	63	110096	42.043	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.080%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	42363	4.190	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	44904	4.009	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.200%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	2.147	101	58586	5.730	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	1126	0.185	ug/L #	49
12) 1,1-Dichloroethene	2.587	96	77965	13.420	ug/L #	68
15) Methyl Acetate	2.967	43	1055	0.340	ug/L #	51
17) Methyl tert-butyl Ether	3.369	73	211265	12.961	ug/L	98
18) trans-1,2-Dichloroethene	3.362	96	10018	1.592	ug/L	90
19) 1,1-Dichloroethane	3.877	63	101801	9.637	ug/L	99
22) cis-1,2-Dichloroethene	4.674	96	233183	35.128	ug/L	98
25) Chloroform	5.092	83	42727	2.548	ug/L	99
27) 1,2-Dichloroethane	5.803	62	5570	0.753	ug/L	98
29) 1,1,1-Trichloroethane	5.321	97	23837	2.319	ug/L	99
31) Carbon tetrachloride	5.324	117	3031	0.344	ug/L	91
33) Benzene	5.784	78	3111	0.116	ug/L	100
34) Trichloroethene	6.546	95	413268	59.242	ug/L	99
35) Methylcyclohexane	6.693	83	10990	0.941	ug/L #	31
37) 1,2-Dichloropropane	6.693	63	4803	0.729	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	945	0.092	ug/L #	49
42) Toluene	7.973	91	7113	0.221	ug/L	95
45) 1,1,2-Trichloroethane	8.401	97	720	0.128	ug/L	97

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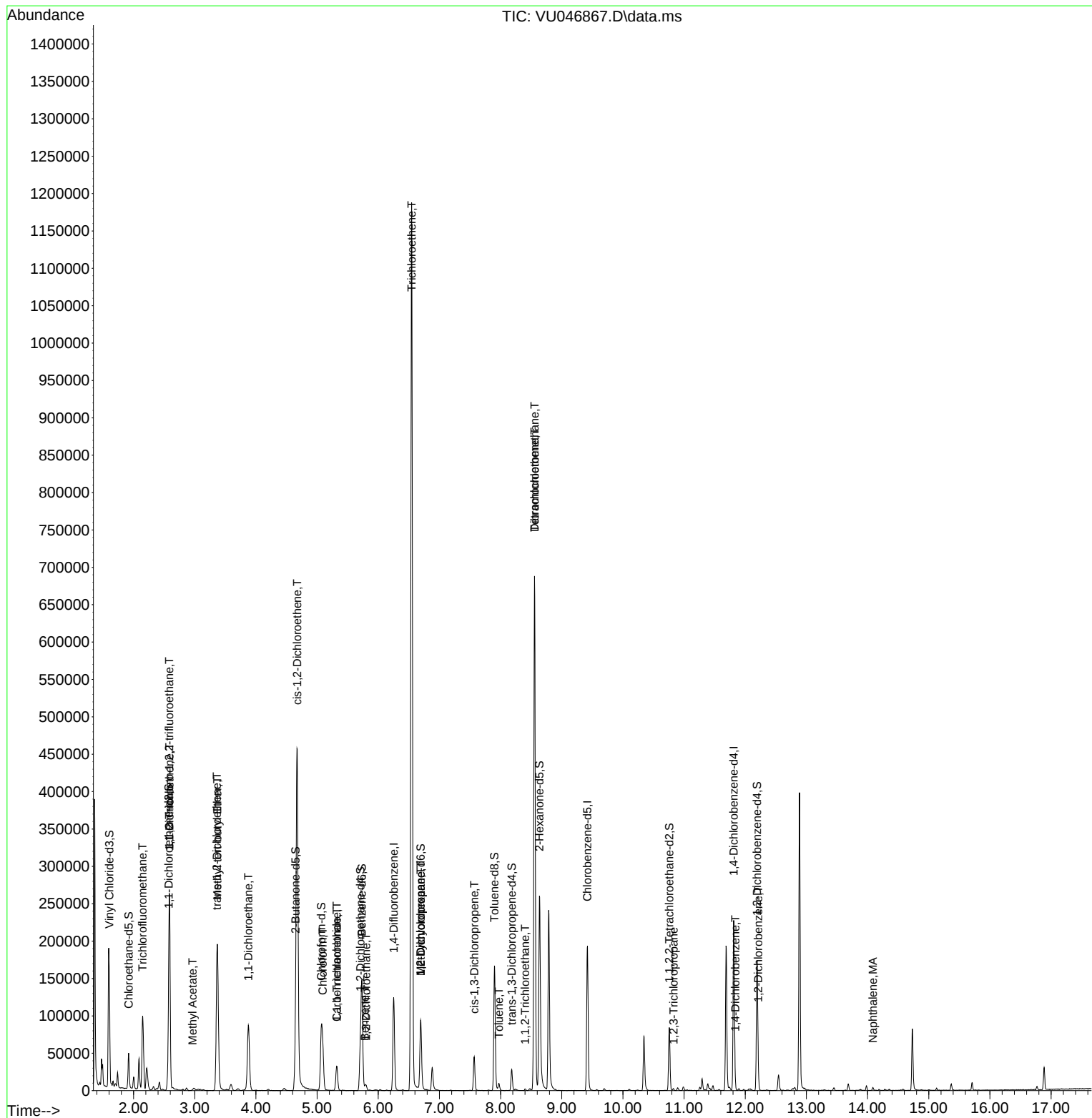
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.555	164	152201	26.826	ug/L	95
49) Dibromochloromethane	8.555	129	151575	22.915	ug/L #	10
61) 1,2,3-Trichloropropane	10.828	75	1164	0.230	ug/L #	90
65) 1,4-Dichlorobenzene	11.838	146	1286	0.092	ug/L	93
67) 1,2-Dichlorobenzene	12.211	146	4746	0.353	ug/L	91
71) Naphthalene	14.085	128	3518	0.188	ug/L	97

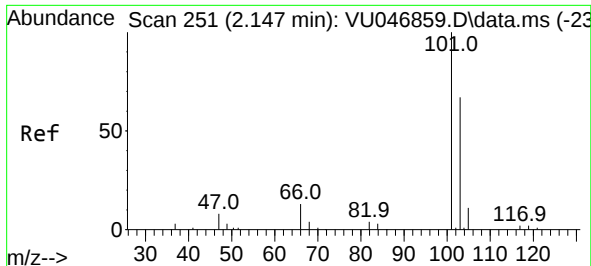
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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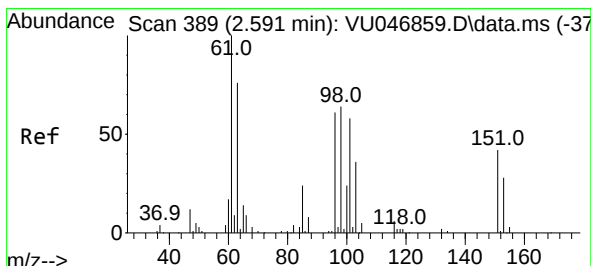
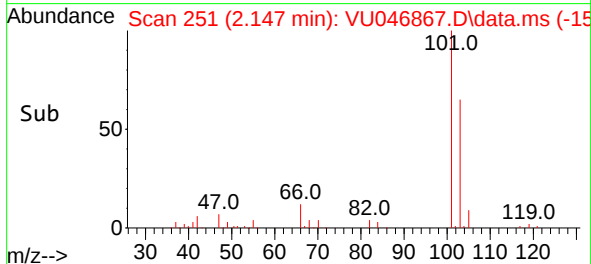
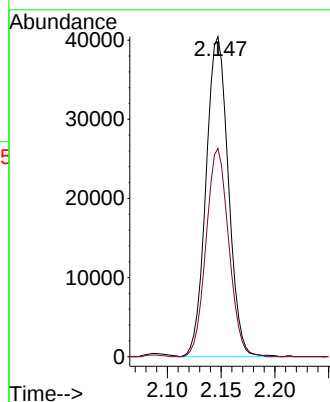
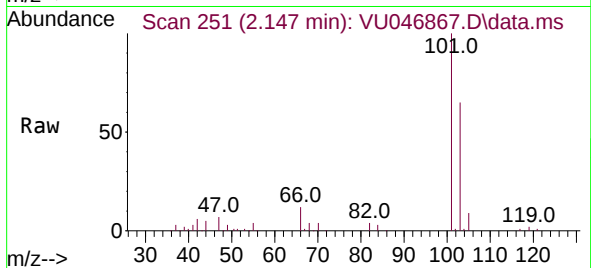




#9
 Trichlorofluoromethane
 Concen: 5.730 ug/L
 RT: 2.147 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU046867.D
 Acq: 27 Jan 2022 13:40

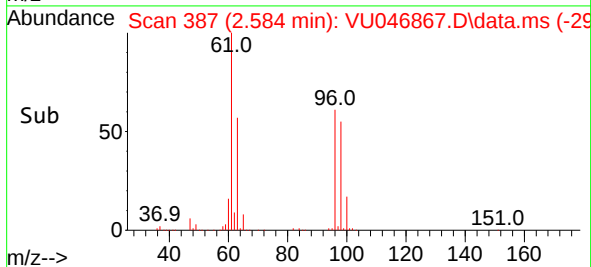
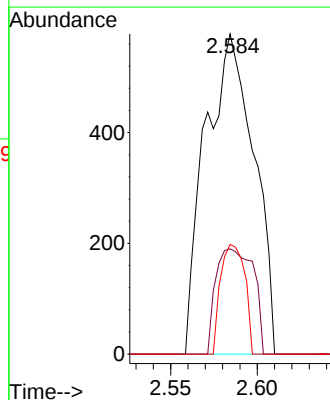
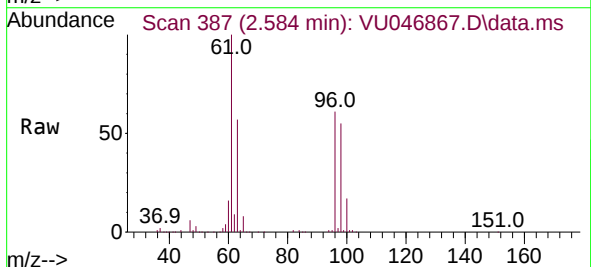
Instrument :
 MSVOA_U
 ClientSampleId :
 BFX3

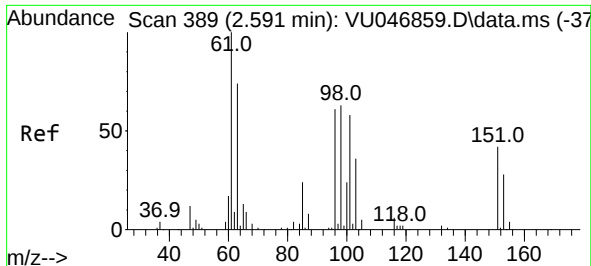
Tgt Ion:101 Resp: 58586
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.185 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.007 min
 Lab File: VU046867.D
 Acq: 27 Jan 2022 13:40

Tgt Ion:101 Resp: 1126
 Ion Ratio Lower Upper
 101 100
 85 25.3 34.6 51.8#
 151 17.1 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 13.420 ug/L

RT: 2.587 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046867.D

Acq: 27 Jan 2022 13:40

Instrument :

MSVOA_U

ClientSampleId :

BFX3

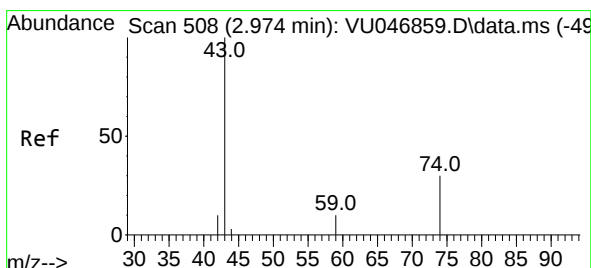
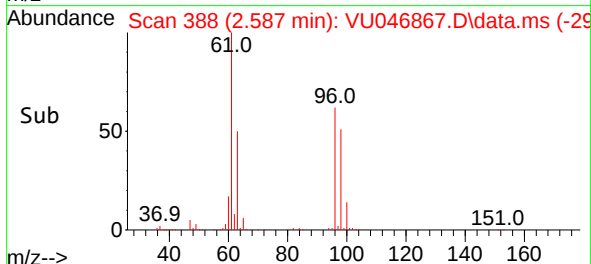
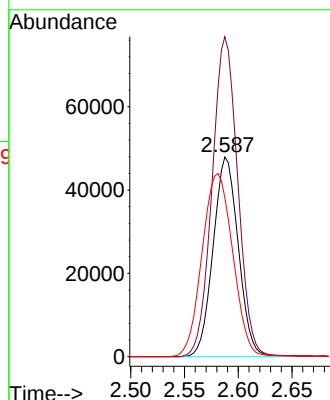
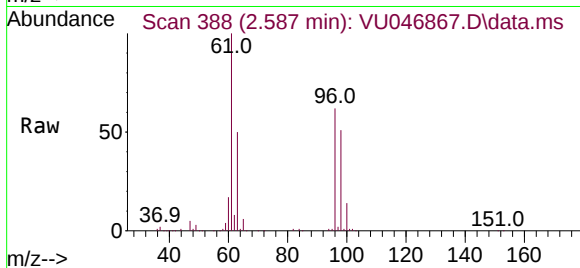
Tgt Ion: 96 Resp: 77965

Ion Ratio Lower Upper

96 100

61 160.2 124.7 231.5

63 79.7 105.2 195.4#



#15

Methyl Acetate

Concen: 0.340 ug/L

RT: 2.967 min Scan# 506

Delta R.T. -0.007 min

Lab File: VU046867.D

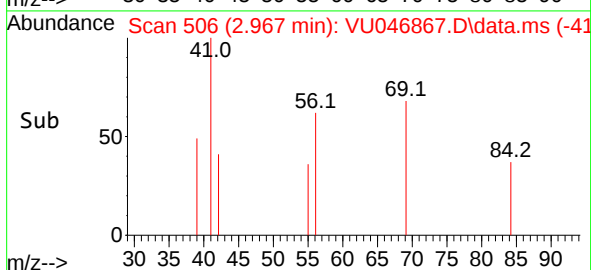
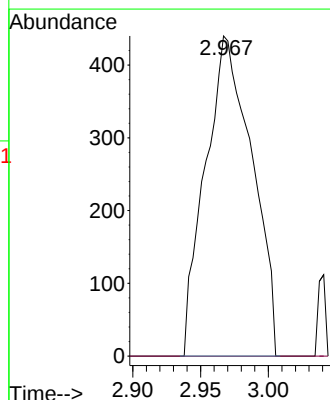
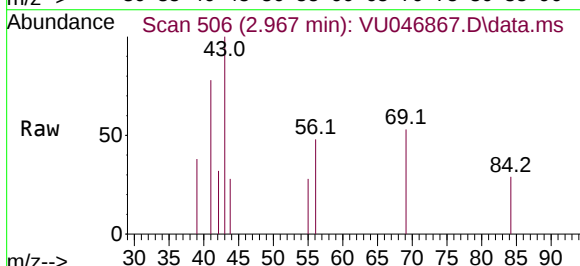
Acq: 27 Jan 2022 13:40

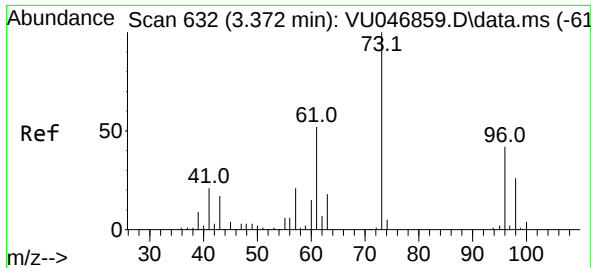
Tgt Ion: 43 Resp: 1055

Ion Ratio Lower Upper

43 100

74 0.0 19.1 28.7#

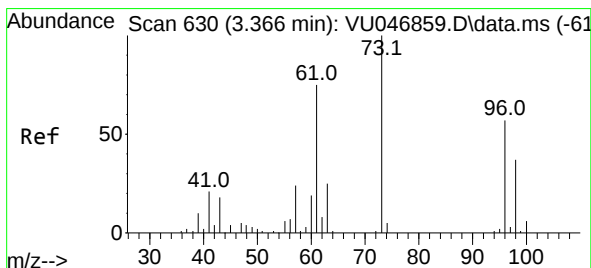
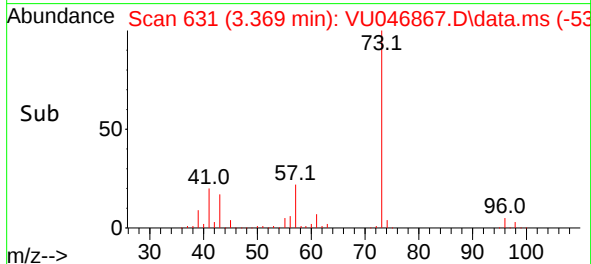
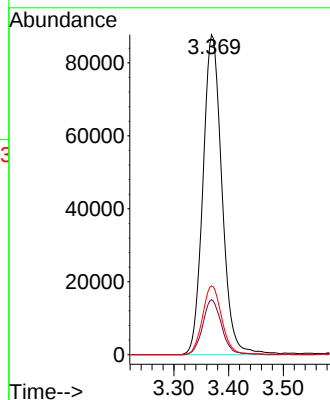
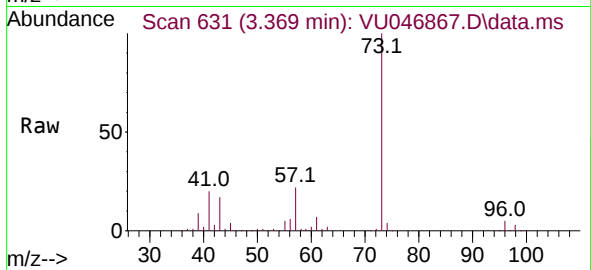




#17
Methyl tert-butyl Ether
Concen: 12.961 ug/L
RT: 3.369 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU046867.D
Acq: 27 Jan 2022 13:40

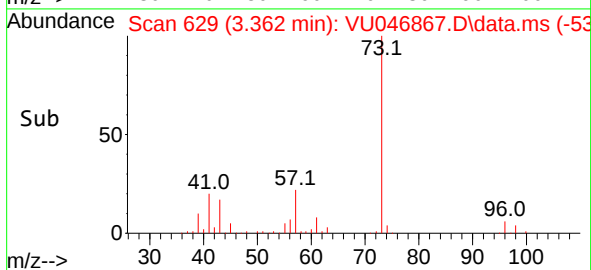
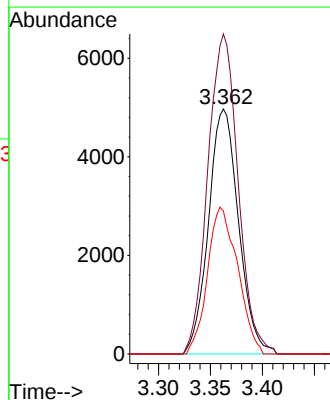
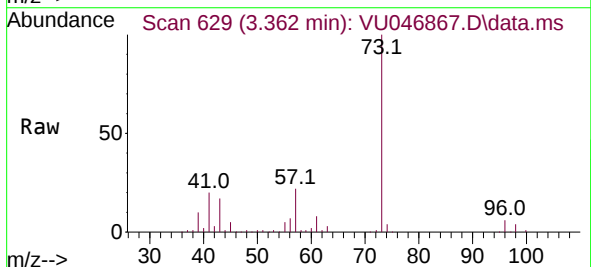
Instrument :
MSVOA_U
ClientSampleId :
BFXY3

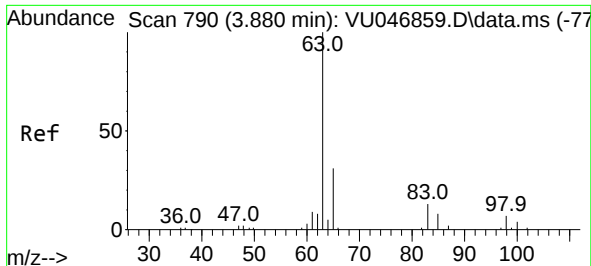
Tgt Ion: 73 Resp: 211265
Ion Ratio Lower Upper
73 100
43 17.1 14.8 22.2
57 21.9 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 1.592 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.003 min
Lab File: VU046867.D
Acq: 27 Jan 2022 13:40

Tgt Ion: 96 Resp: 10018
Ion Ratio Lower Upper
96 100
61 130.7 100.8 187.2
98 58.4 45.1 83.7





#19

1,1-Dichloroethane

Concen: 9.637 ug/L

RT: 3.877 min Scan# 7

Delta R.T. -0.003 min

Lab File: VU046867.D

Acq: 27 Jan 2022 13:40

Instrument :

MSVOA_U

ClientSampleId :

BFX3

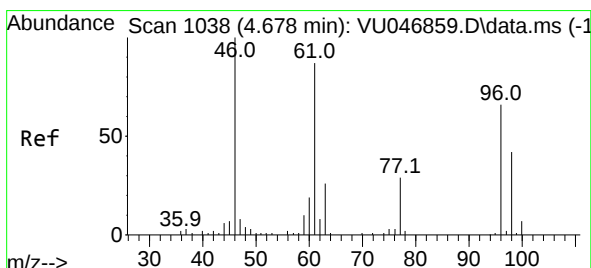
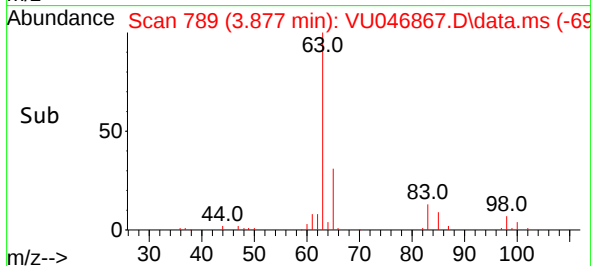
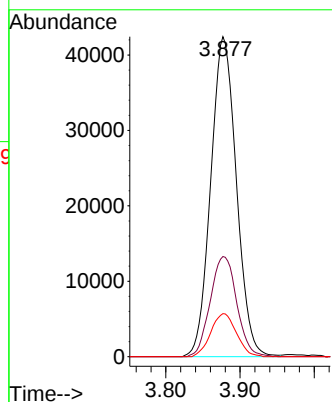
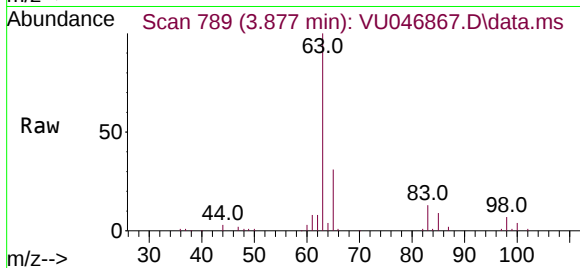
Tgt Ion: 63 Resp: 101801

Ion Ratio Lower Upper

63 100

65 31.3 22.3 41.5

83 13.4 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 35.128 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. -0.003 min

Lab File: VU046867.D

Acq: 27 Jan 2022 13:40

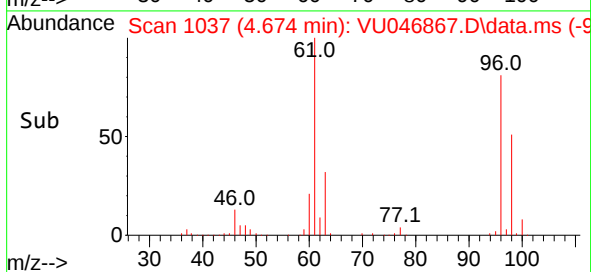
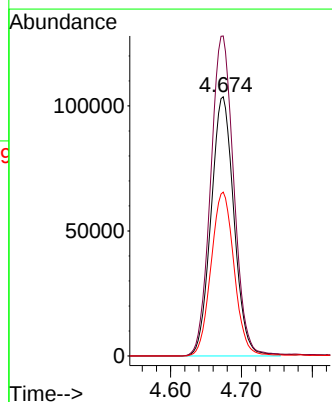
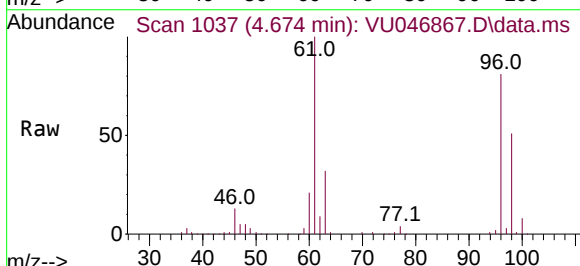
Tgt Ion: 96 Resp: 233183

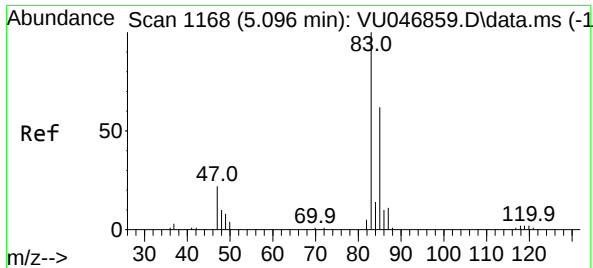
Ion Ratio Lower Upper

96 100

61 123.5 88.5 164.3

98 63.2 44.4 82.5





#25

Chloroform

Concen: 2.548 ug/L

RT: 5.092 min Scan# 1168

Delta R.T. -0.003 min

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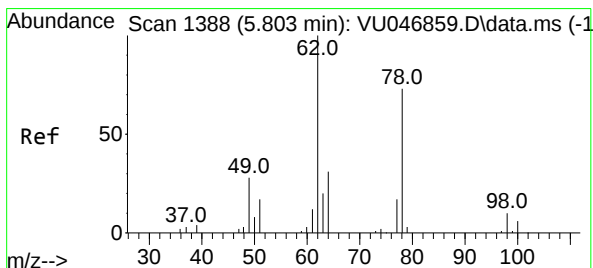
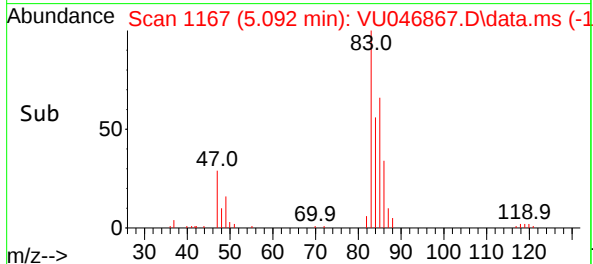
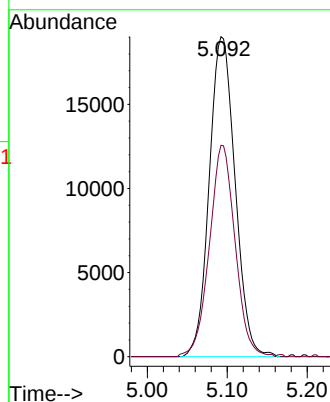
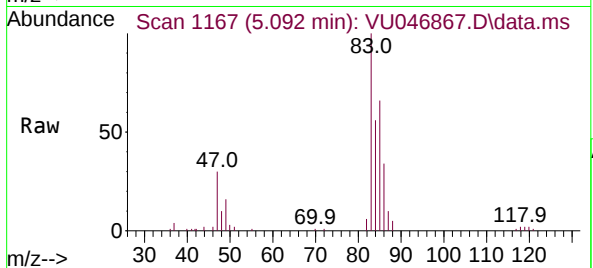
BFX3

Tgt Ion: 83 Resp: 42727

Ion Ratio Lower Upper

83 100

85 66.1 46.9 87.1



#27

1,2-Dichloroethane

Concen: 0.753 ug/L

RT: 5.803 min Scan# 1388

Delta R.T. -0.000 min

Lab File: VU046867.D

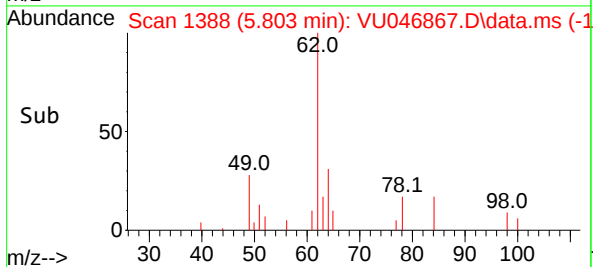
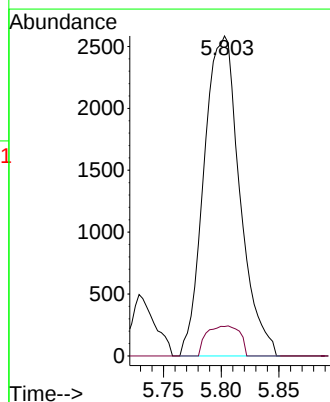
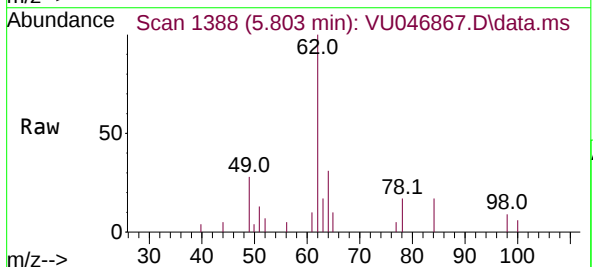
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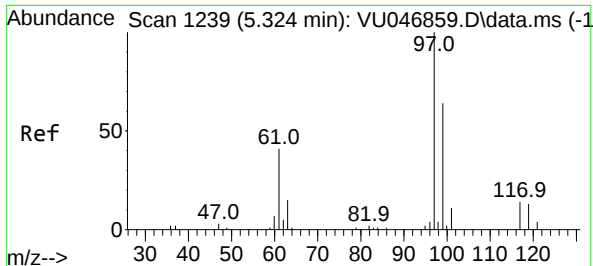
Tgt Ion: 62 Resp: 5570

Ion Ratio Lower Upper

62 100

98 9.2 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 2.319 ug/L

RT: 5.321 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046867.D

Acq: 27 Jan 2022 13:40

Instrument :

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BFX3

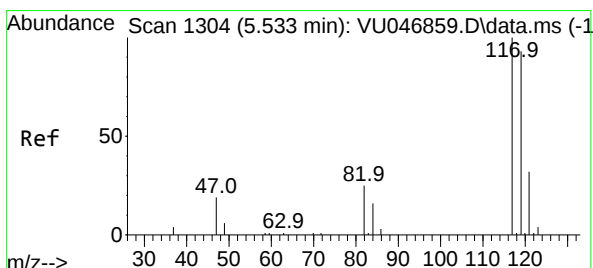
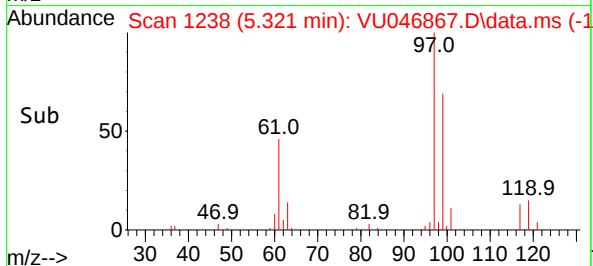
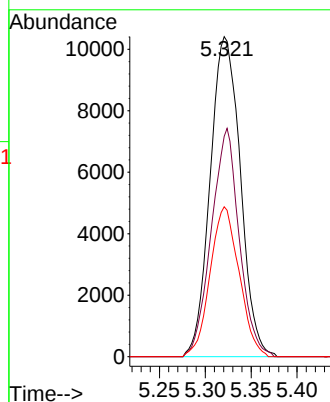
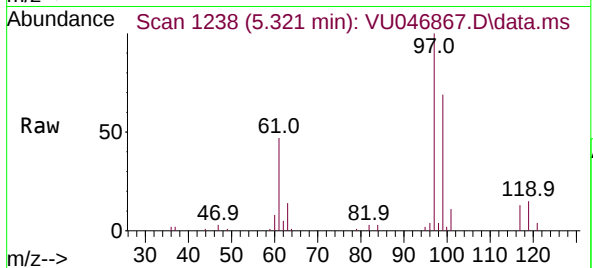
Tgt Ion: 97 Resp: 23837

Ion Ratio Lower Upper

97 100

99 66.1 51.3 76.9

61 45.1 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.344 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.209 min

Lab File: VU046867.D

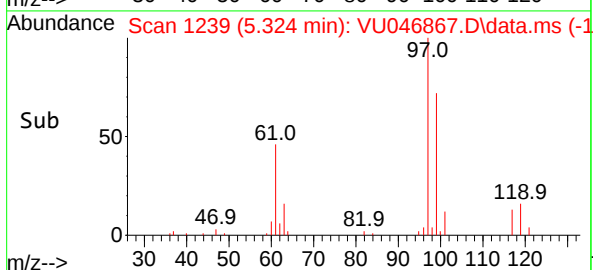
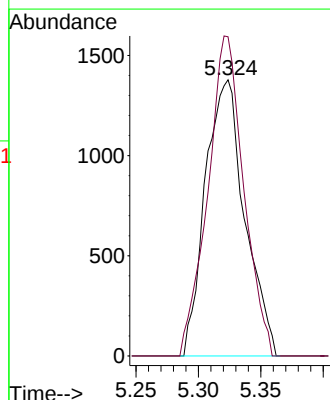
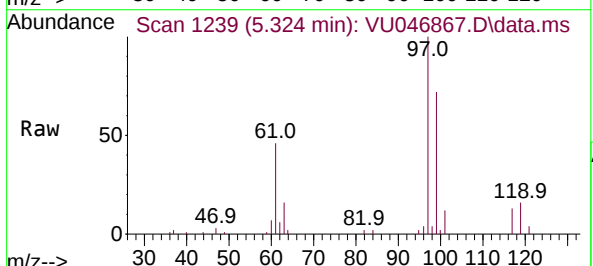
Acq: 27 Jan 2022 13:40

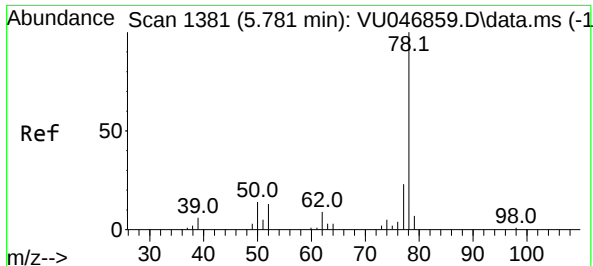
Tgt Ion: 117 Resp: 3031

Ion Ratio Lower Upper

117 100

119 105.5 77.5 116.3





#33

Benzene

Concen: 0.116 ug/L

RT: 5.784 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU046867.D

Acq: 27 Jan 2022 13:40

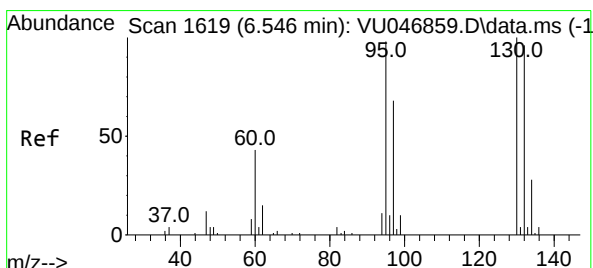
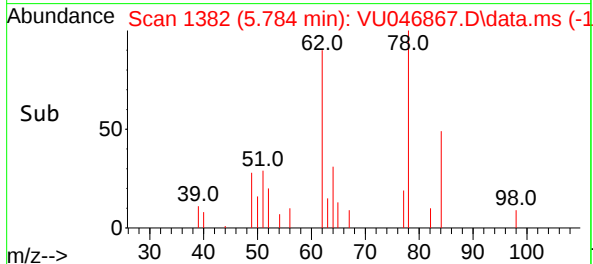
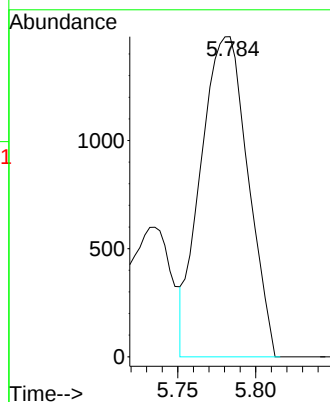
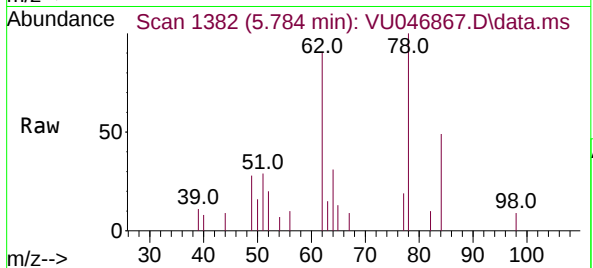
Instrument :

MSVOA_U

ClientSampleId :

BFXY3

Tgt Ion: 78 Resp: 3111



#34

Trichloroethene

Concen: 59.242 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VU046867.D

Acq: 27 Jan 2022 13:40

Tgt Ion: 95 Resp: 413268

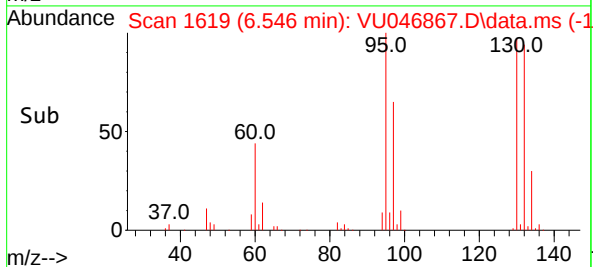
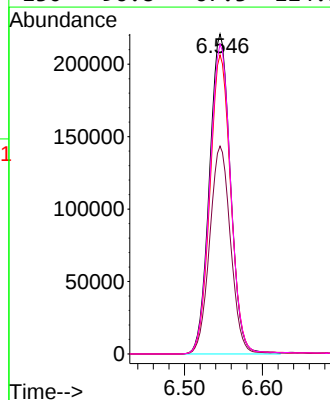
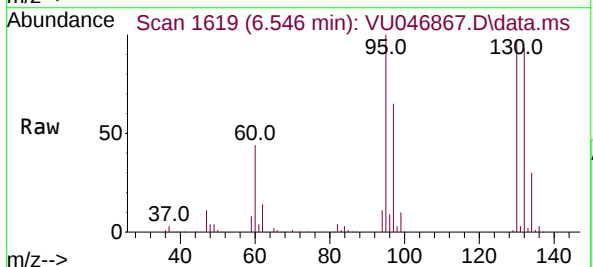
Ion Ratio Lower Upper

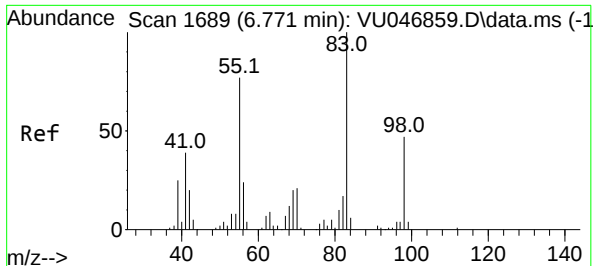
95 100

97 65.0 46.5 86.5

132 93.5 65.1 120.9

130 96.8 67.3 124.9





#35

Methylcyclohexane

Concen: 0.941 ug/L

RT: 6.693 min Scan# 1665

Delta R.T. -0.077 min

Lab File: VU046867.D

Acq: 27 Jan 2022 13:40

Instrument :

MSVOA_U

ClientSampleId :

BFX3

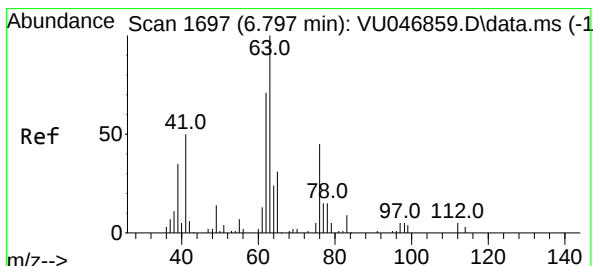
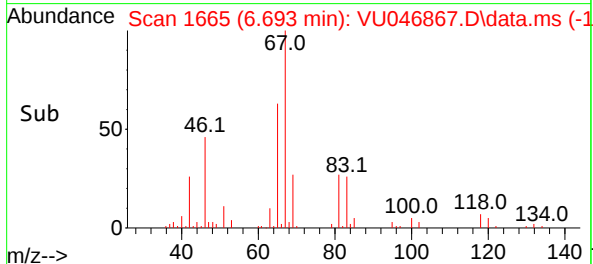
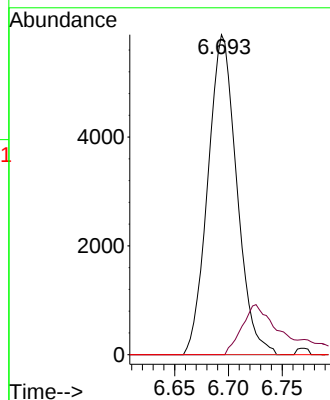
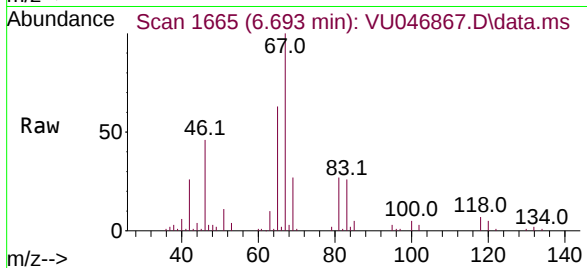
Tgt Ion: 83 Resp: 10990

Ion Ratio Lower Upper

83 100

55 18.7 61.9 92.9#

98 0.0 39.0 58.6#



#37

1,2-Dichloropropane

Concen: 0.729 ug/L

RT: 6.693 min Scan# 1665

Delta R.T. -0.103 min

Lab File: VU046867.D

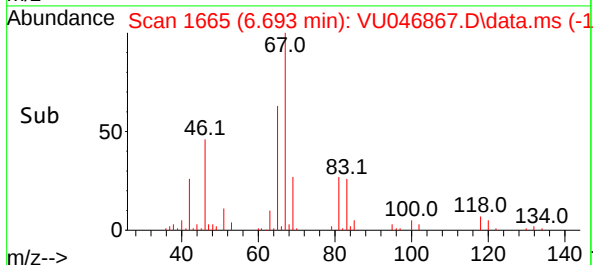
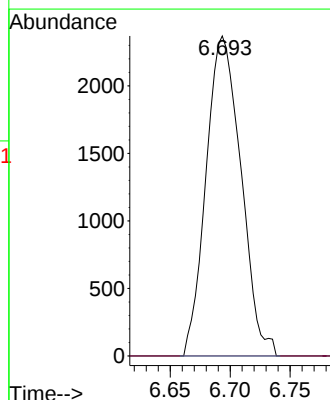
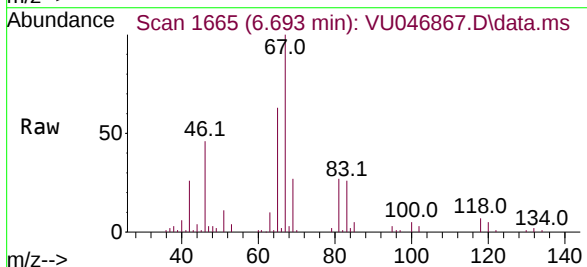
Acq: 27 Jan 2022 13:40

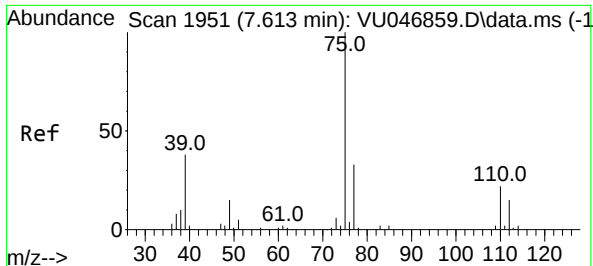
Tgt Ion: 63 Resp: 4803

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.571 min Scan# 1951

Delta R.T. -0.042 min

Lab File: VU046867.D

Acq: 27 Jan 2022 13:40

Instrument :

MSVOA_U

ClientSampleId :

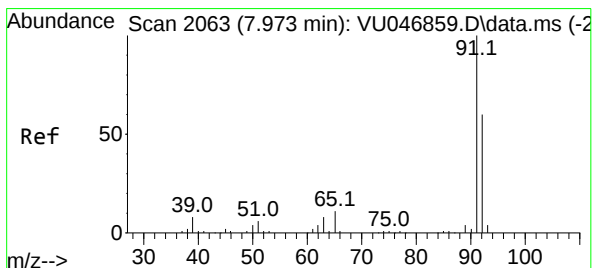
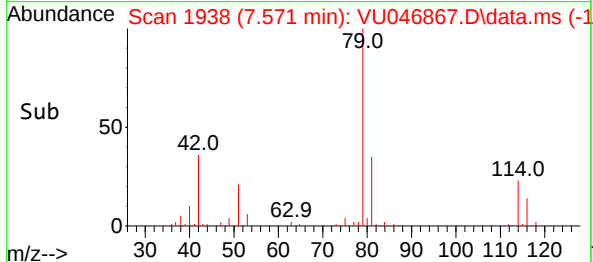
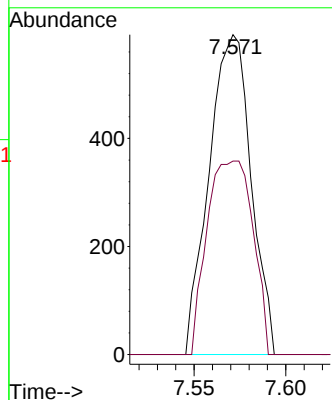
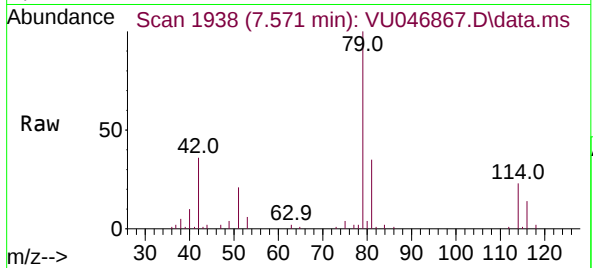
BFX3

Tgt Ion: 75 Resp: 945

Ion Ratio Lower Upper

75 100

77 60.5 22.5 41.9#



#42

Toluene

Concen: 0.221 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU046867.D

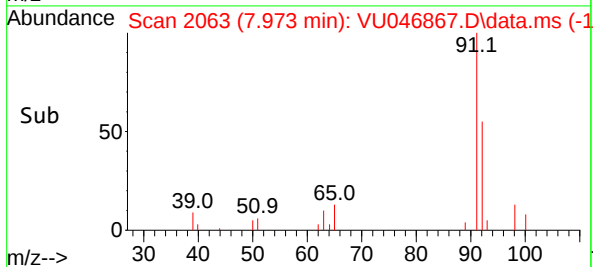
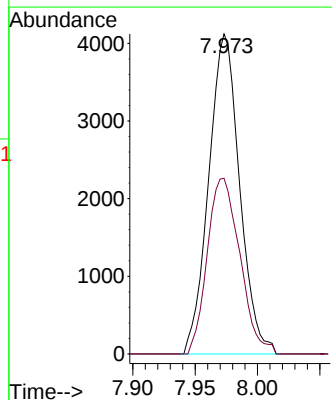
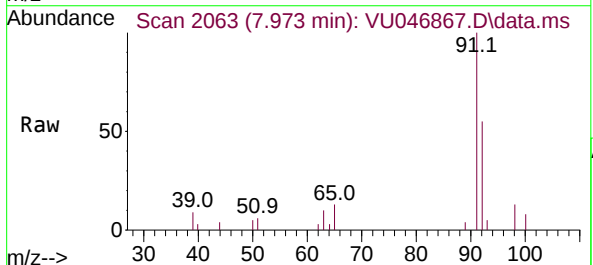
Acq: 27 Jan 2022 13:40

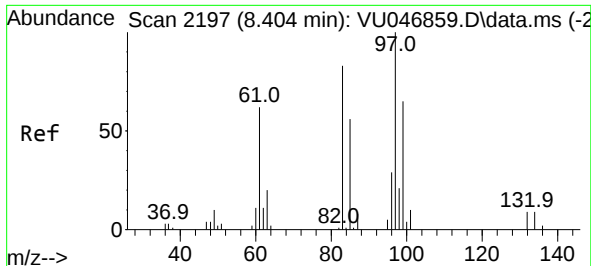
Tgt Ion: 91 Resp: 7113

Ion Ratio Lower Upper

91 100

92 54.9 41.3 76.7



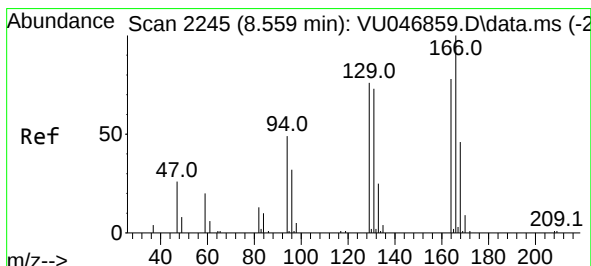
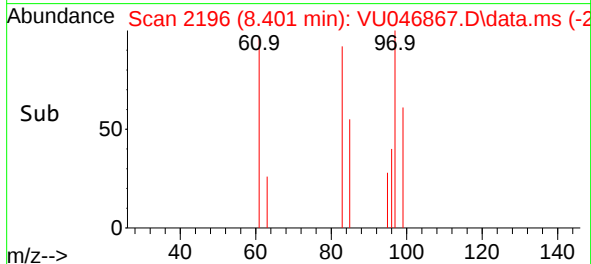
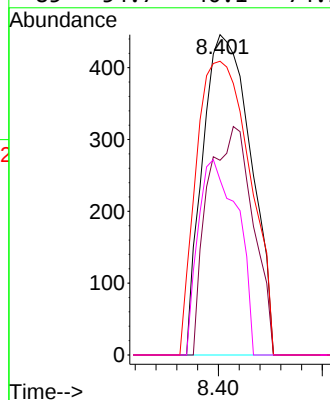
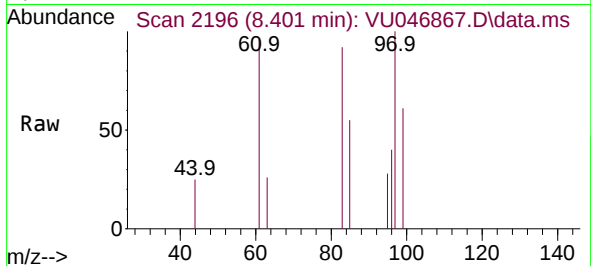


#45
1,1,2-Trichloroethane
Concen: 0.128 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU046867.D
Acq: 27 Jan 2022 13:40

Instrument :
MSVOA_U
ClientSampleId :
BFXY3

Tgt Ion: 97 Resp: 720

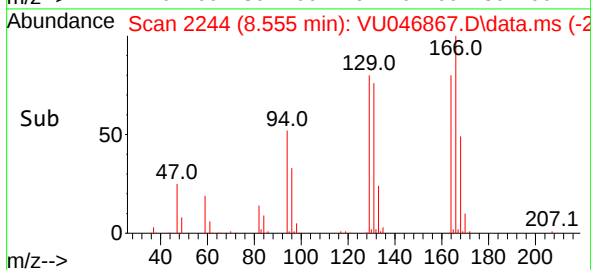
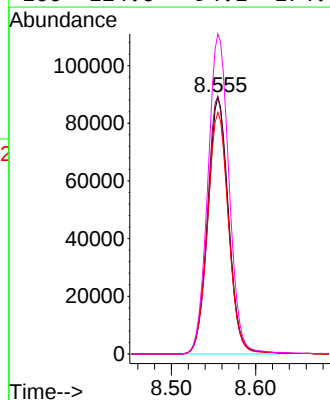
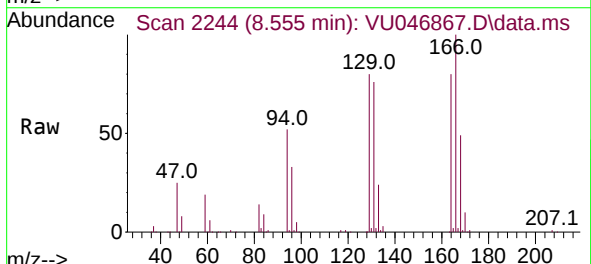
Ion	Ratio	Lower	Upper
97	100		
99	60.8	42.3	78.5
83	91.7	62.0	115.2
85	54.7	40.1	74.5

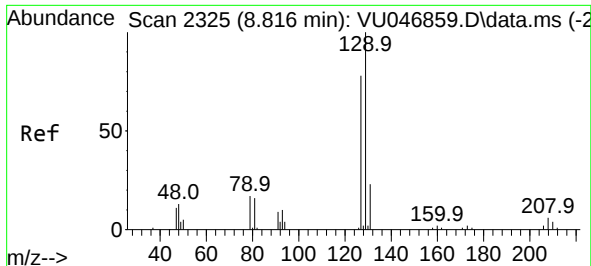


#47
Tetrachloroethene
Concen: 26.826 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU046867.D
Acq: 27 Jan 2022 13:40

Tgt Ion: 164 Resp: 152201

Ion	Ratio	Lower	Upper
164	100		
129	100.2	71.8	133.4
131	94.1	68.5	127.3
166	124.6	94.1	174.8





#49

Dibromochloromethane

Concen: 22.915 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.261 min

Lab File: VU046867.D

Acq: 27 Jan 2022 13:40

Instrument :

MSVOA_U

ClientSampleId :

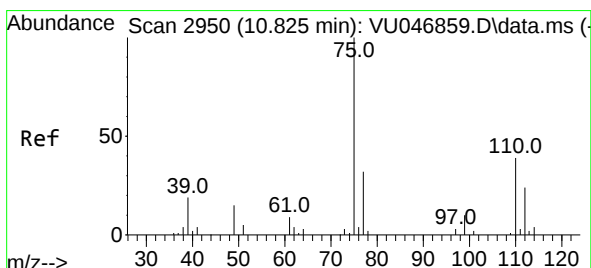
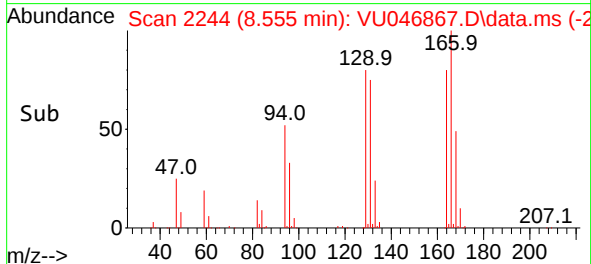
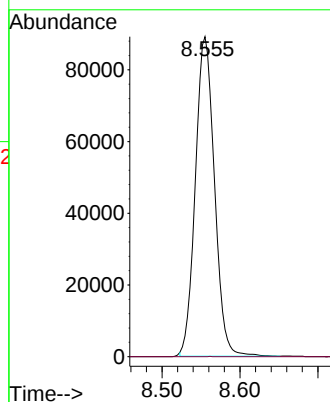
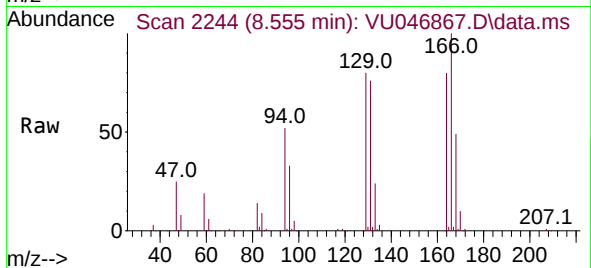
BFX3

Tgt Ion:129 Resp: 151575

Ion Ratio Lower Upper

129 100

127 0.2 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 0.230 ug/L

RT: 10.828 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU046867.D

Acq: 27 Jan 2022 13:40

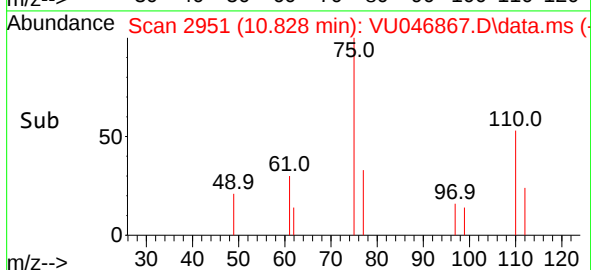
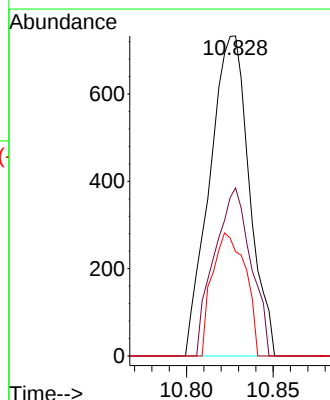
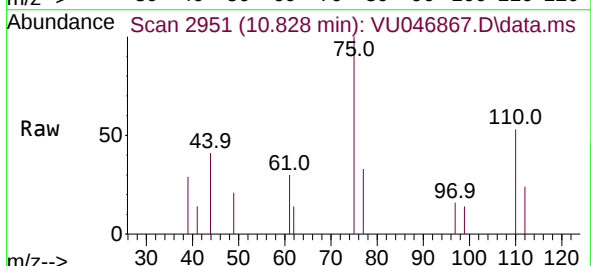
Tgt Ion: 75 Resp: 1164

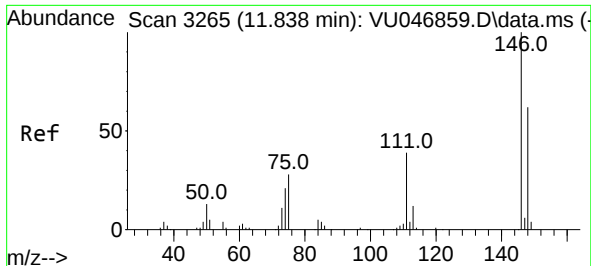
Ion Ratio Lower Upper

75 100

110 48.5 29.9 44.9#

77 32.1 25.5 38.3

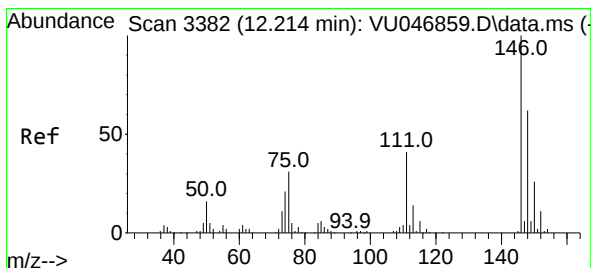
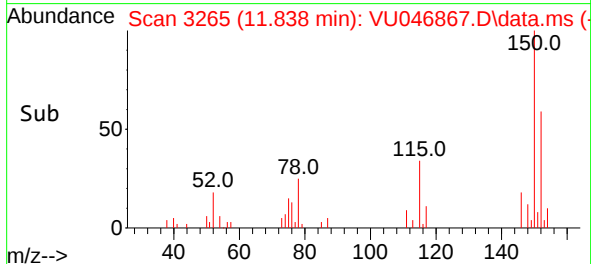
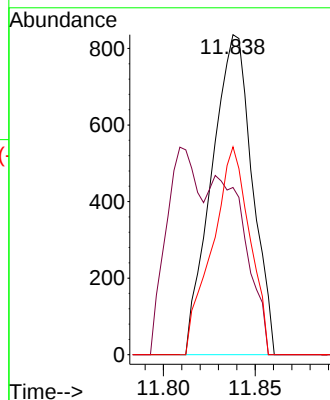
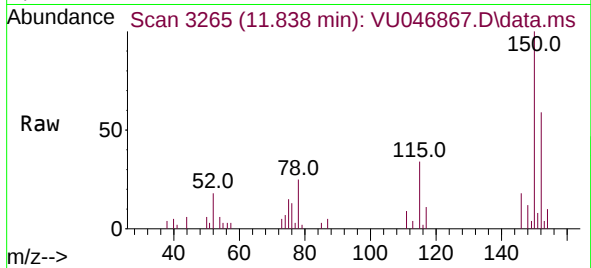




#65
1,4-Dichlorobenzene
Concen: 0.092 ug/L
RT: 11.838 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU046867.D
Acq: 27 Jan 2022 13:40

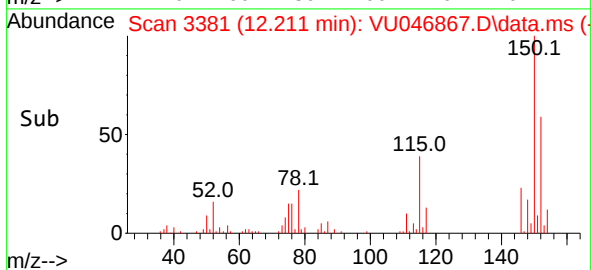
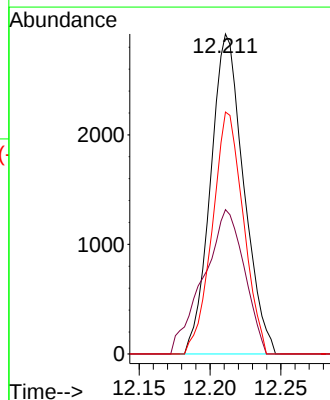
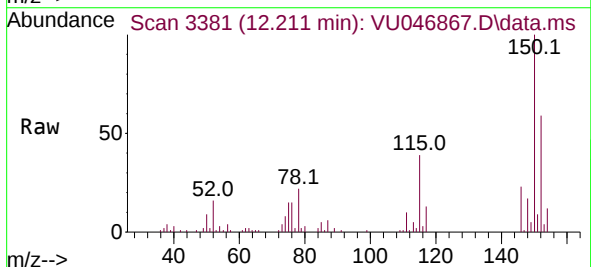
Instrument :
MSVOA_U
ClientSampleId :
BFXY3

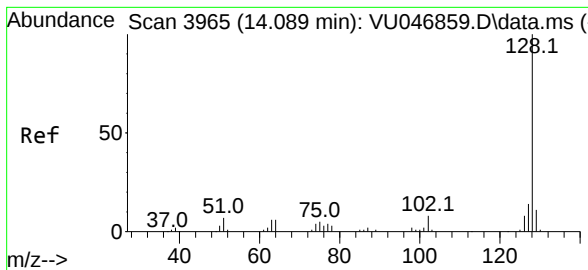
Tgt Ion:146	Resp:	1286	
Ion	Ratio	Lower	Upper
146	100		
111	52.3	28.7	53.3
148	65.0	45.8	85.0



#67
1,2-Dichlorobenzene
Concen: 0.353 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.003 min
Lab File: VU046867.D
Acq: 27 Jan 2022 13:40

Tgt Ion:146	Resp:	4746	
Ion	Ratio	Lower	Upper
146	100		
111	45.1	35.4	53.0
148	75.6	51.1	76.7





#71

Naphthalene

Concen: 0.188 ug/L

RT: 14.085 min Scan# 3964

Delta R.T. -0.003 min

Lab File: VU046867.D

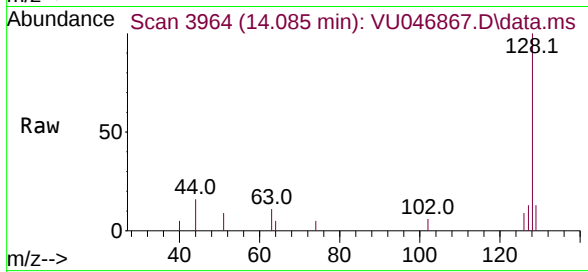
Acq: 27 Jan 2022 13:40

Instrument :

MSVOA_U

ClientSampleId :

BFX3



Tgt Ion:128 Resp: 3518

Ion Ratio Lower Upper

128 100

129 9.9 8.4 12.6

127 11.3 10.2 15.2

