

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012722\
 Data File : VU046868.D
 Acq On : 27 Jan 2022 14:04
 Operator : SY/MD
 Sample : N1260-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX1

Quant Time: Jan 28 00:59:43 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	108258	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	115036	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	56788	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	35821	3.905	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.000%
7) Chloroethane-d5	1.922	69	32260	4.463	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.200%
11) 1,1-Dichloroethene-d2	2.575	65	15398	4.220	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.400%
20) 2-Butanone-d5	4.655	46	130494	48.018	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.040%
24) Chloroform-d	5.067	84	73982	4.594	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.706	65	41434	4.725	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.732	84	145333	4.299	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.000%
36) 1,2-Dichloropropane-d6	6.694	67	46841	4.614	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.899	98	120847	3.905	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.200%
43) trans-1,3-Dichloroprop...	8.182	79	17665	3.962	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.200%
46) 2-Hexanone-d5	8.639	63	117876	44.655	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.320%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	44345	4.351	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	46759	4.391	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.498	85	4272	0.420	ug/L	99
9) Trichlorofluoromethane	2.147	101	6268	0.589	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	2868	0.453	ug/L #	75
12) 1,1-Dichloroethene	2.588	96	47604	7.875	ug/L #	77
17) Methyl tert-butyl Ether	3.369	73	42116	2.483	ug/L	97
18) trans-1,2-Dichloroethene	3.363	96	2142	0.327	ug/L	89
19) 1,1-Dichloroethane	3.877	63	73760	6.711	ug/L	98
22) cis-1,2-Dichloroethene	4.674	96	113343	16.411	ug/L	97
25) Chloroform	5.092	83	10746	0.616	ug/L	92
27) 1,2-Dichloroethane	5.797	62	1082	0.141	ug/L #	73
29) 1,1,1-Trichloroethane	5.321	97	19258	1.859	ug/L	98
34) Trichloroethene	6.546	95	231212	32.880	ug/L	99
35) Methylcyclohexane	6.694	83	11361	0.965	ug/L #	22
37) 1,2-Dichloropropane	6.694	63	5136	0.773	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	1010	0.097	ug/L #	48
47) Tetrachloroethene	8.555	164	79877	13.967	ug/L	97
49) Dibromochloromethane	8.555	129	77886	11.681	ug/L #	10
61) 1,2,3-Trichloropropane	10.825	75	866	0.180	ug/L #	87
67) 1,2-Dichlorobenzene	12.211	146	1630	0.127	ug/L	92

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jan 28 00:56:24 2022
Response via : Initial Calibration

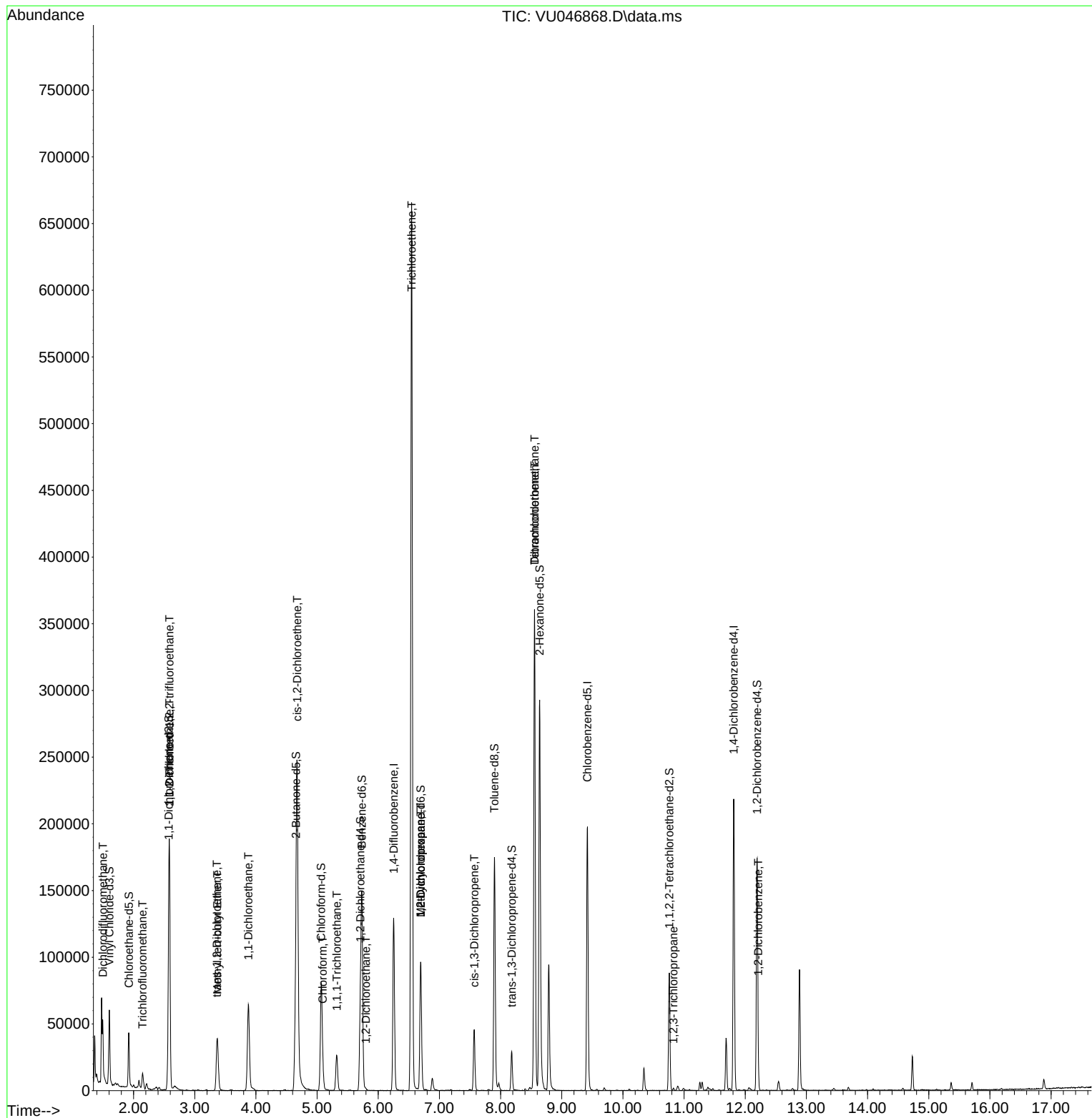
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

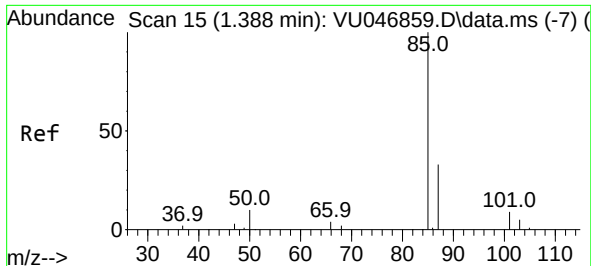
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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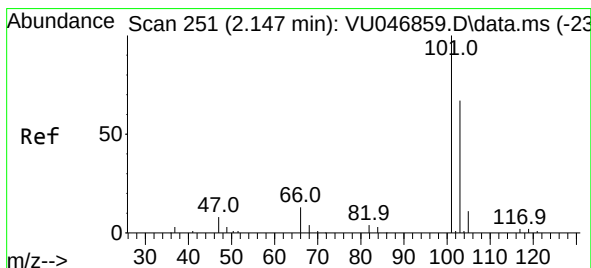
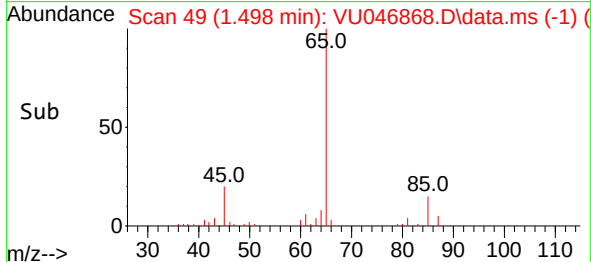
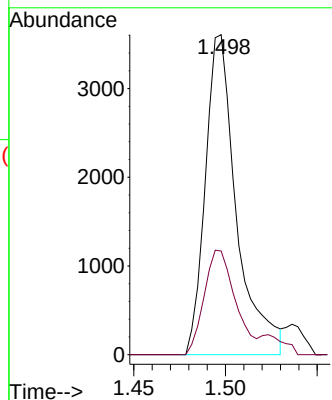
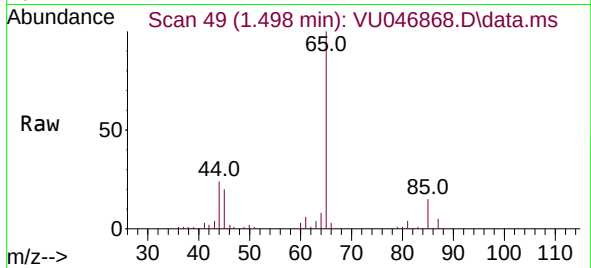




#2
Dichlorodifluoromethane
Concen: 0.420 ug/L
RT: 1.498 min Scan# 49
Delta R.T. 0.109 min
Lab File: VU046868.D
Acq: 27 Jan 2022 14:04

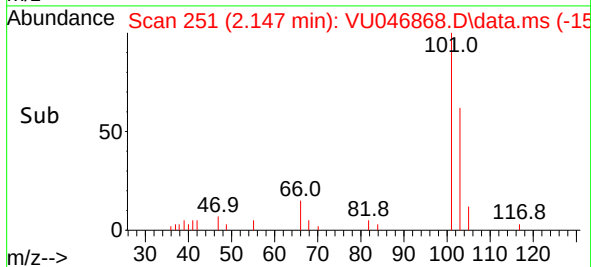
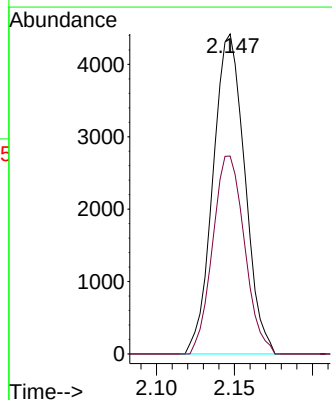
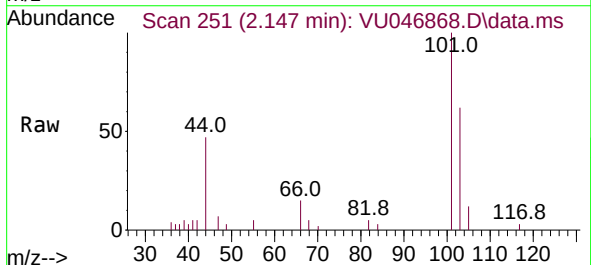
Instrument :
MSVOA_U
ClientSampleId :
BFX1

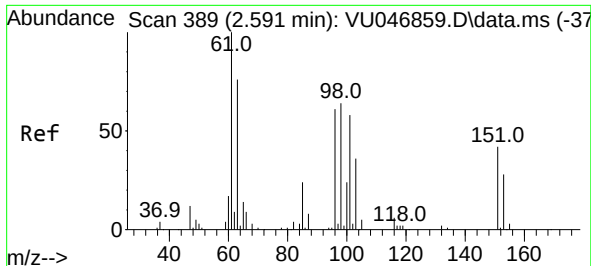
Tgt Ion: 85 Resp: 4272
Ion Ratio Lower Upper
85 100
87 32.8 25.8 38.6



#9
Trichlorofluoromethane
Concen: 0.589 ug/L
RT: 2.147 min Scan# 251
Delta R.T. -0.000 min
Lab File: VU046868.D
Acq: 27 Jan 2022 14:04

Tgt Ion:101 Resp: 6268
Ion Ratio Lower Upper
101 100
103 61.9 51.5 77.3

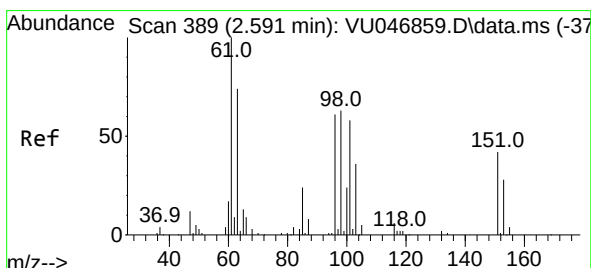
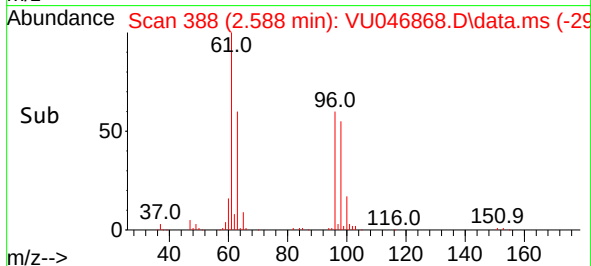
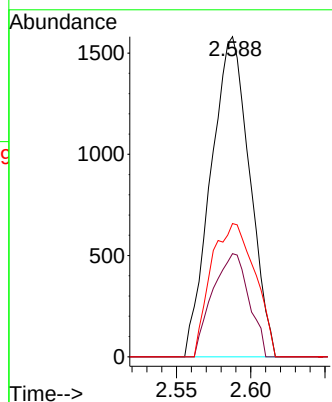
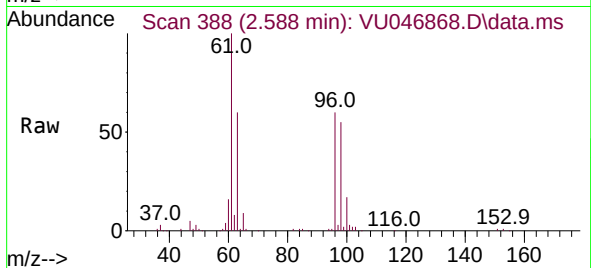




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.453 ug/L
RT: 2.588 min Scan# 388
Delta R.T. -0.003 min
Lab File: VU046868.D
Acq: 27 Jan 2022 14:04

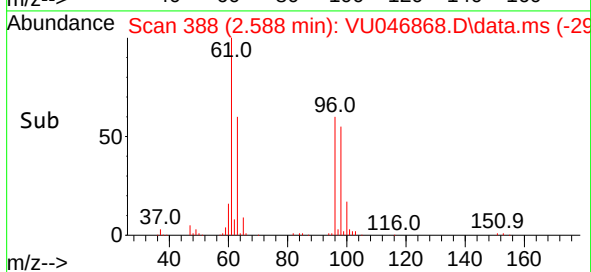
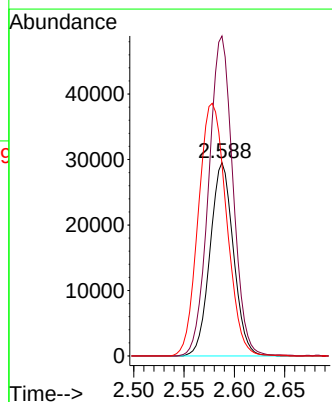
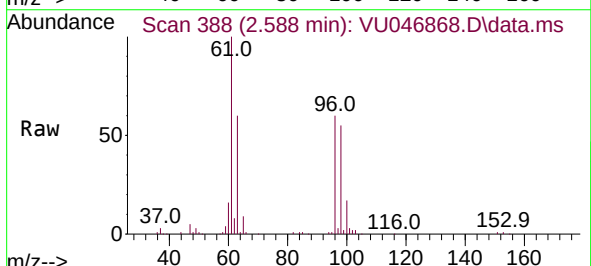
Instrument :
MSVOA_U
ClientSampleId :
BFX1

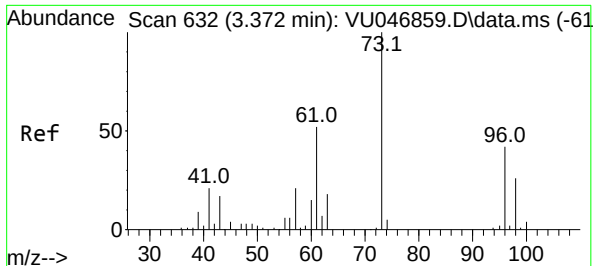
Tgt Ion:101 Resp: 2868
Ion Ratio Lower Upper
101 100
85 30.2 34.6 51.8#
151 47.2 56.1 84.1#



#12
1,1-Dichloroethene
Concen: 7.875 ug/L
RT: 2.588 min Scan# 388
Delta R.T. -0.003 min
Lab File: VU046868.D
Acq: 27 Jan 2022 14:04

Tgt Ion: 96 Resp: 47604
Ion Ratio Lower Upper
96 100
61 165.6 124.7 231.5
63 99.5 105.2 195.4#





#17

Methyl tert-butyl Ether

Concen: 2.483 ug/L

RT: 3.369 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU046868.D

Acq: 27 Jan 2022 14:04

Instrument :

MSVOA_U

ClientSampleId :

BFX1

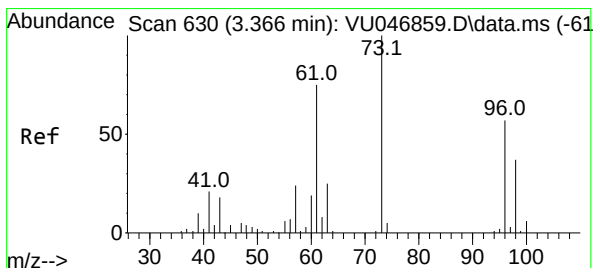
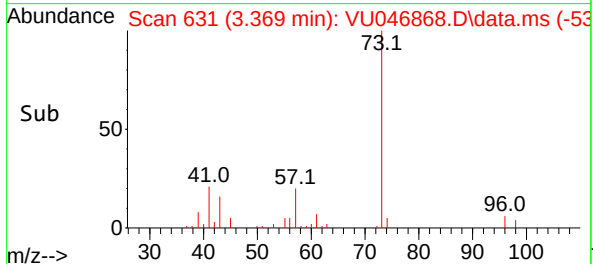
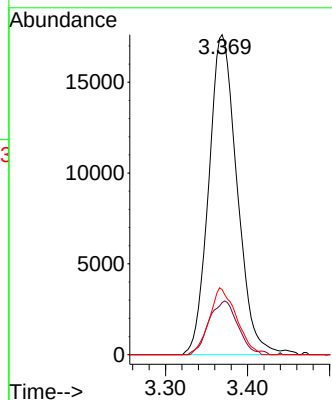
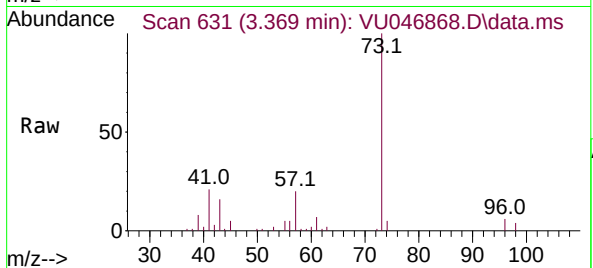
Tgt Ion: 73 Resp: 42116

Ion Ratio Lower Upper

73 100

43 17.4 14.8 22.2

57 20.0 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 0.327 ug/L

RT: 3.363 min Scan# 629

Delta R.T. -0.003 min

Lab File: VU046868.D

Acq: 27 Jan 2022 14:04

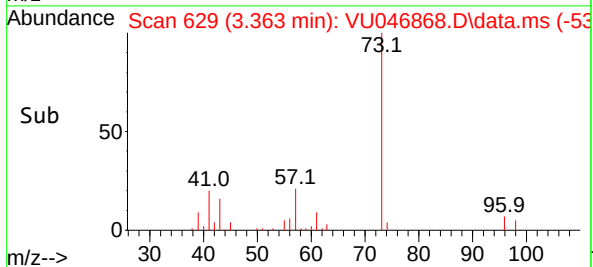
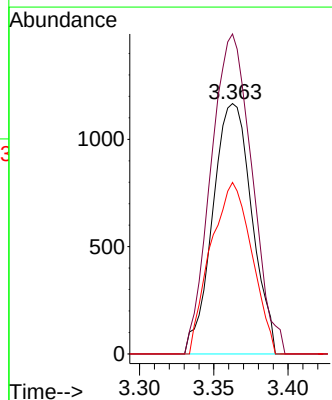
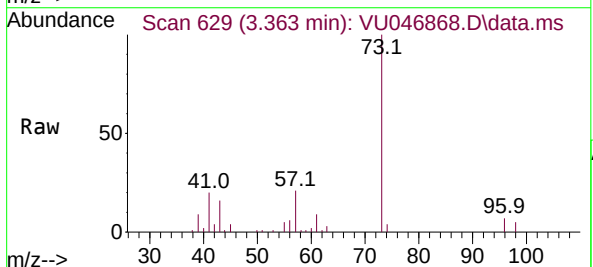
Tgt Ion: 96 Resp: 2142

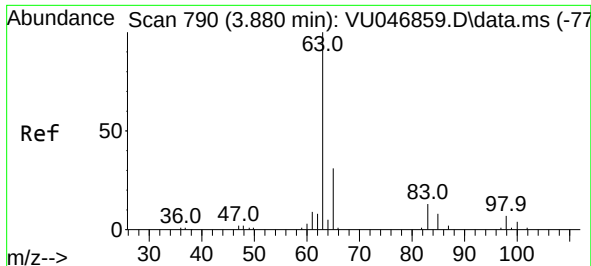
Ion Ratio Lower Upper

96 100

61 127.8 100.8 187.2

98 68.5 45.1 83.7





#19

1,1-Dichloroethane

Concen: 6.711 ug/L

RT: 3.877 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU046868.D

Acq: 27 Jan 2022 14:04

Instrument :

MSVOA_U

ClientSampleId :

BFX1

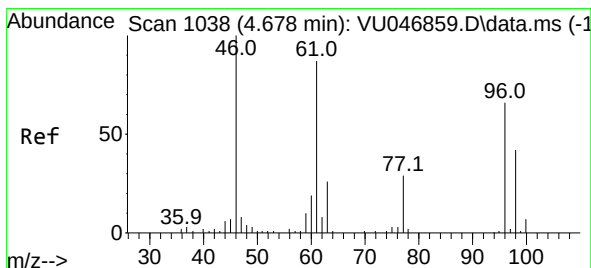
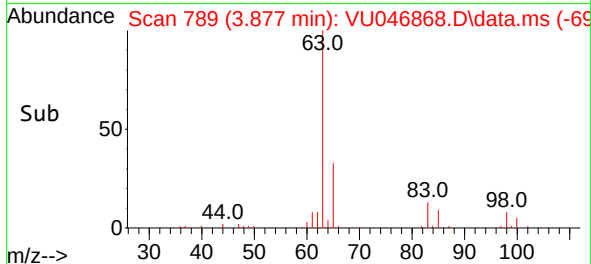
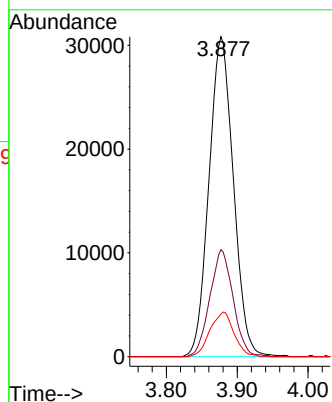
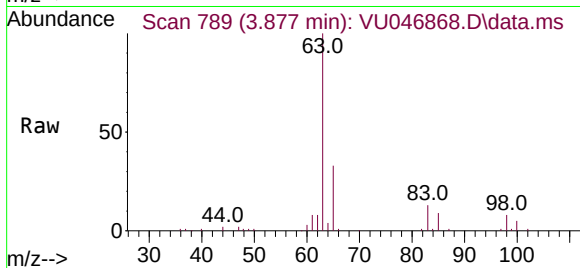
Tgt Ion: 63 Resp: 73760

Ion Ratio Lower Upper

63 100

65 33.5 22.3 41.5

83 13.3 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 16.411 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. -0.003 min

Lab File: VU046868.D

Acq: 27 Jan 2022 14:04

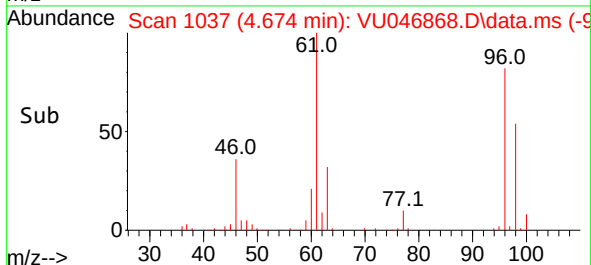
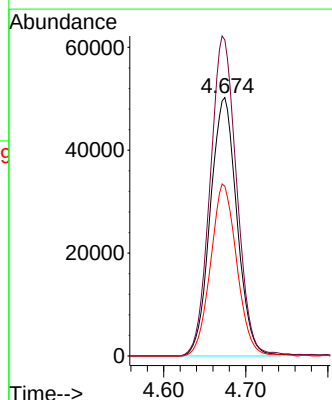
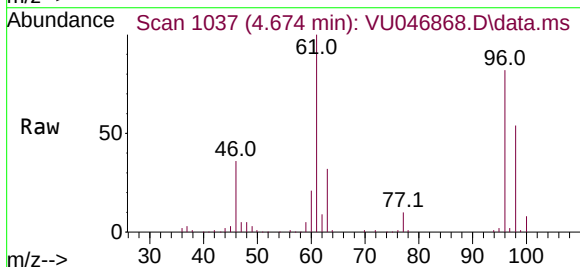
Tgt Ion: 96 Resp: 113343

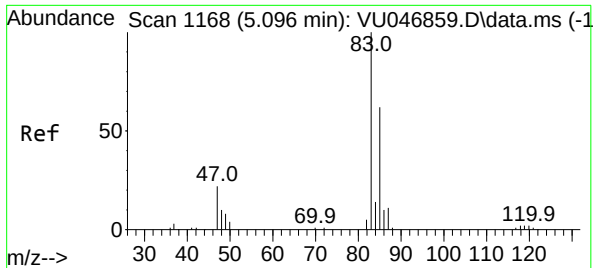
Ion Ratio Lower Upper

96 100

61 122.3 88.5 164.3

98 65.7 44.4 82.5





#25

Chloroform

Concen: 0.616 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

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ClientSampleId :

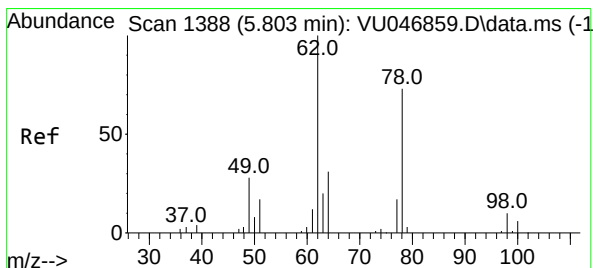
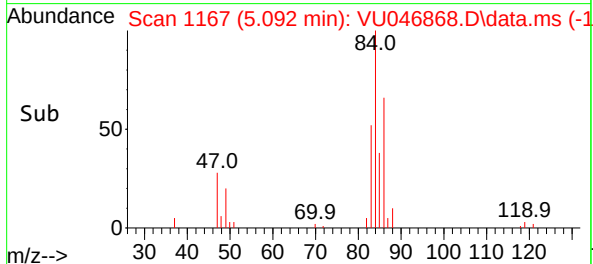
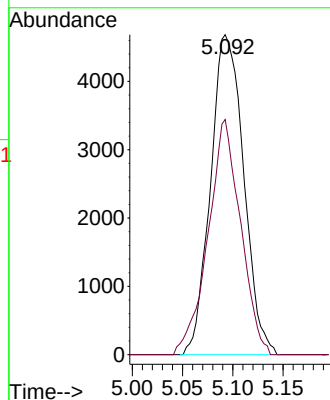
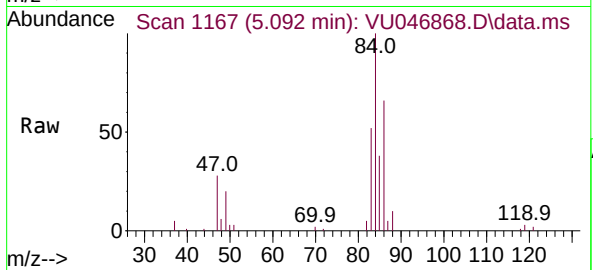
BFX1

Tgt Ion: 83 Resp: 10746

Ion Ratio Lower Upper

83 100

85 73.5 46.9 87.1



#27

1,2-Dichloroethane

Concen: 0.141 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.007 min

Lab File: VU046868.D

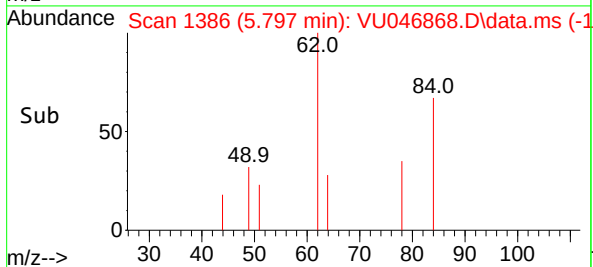
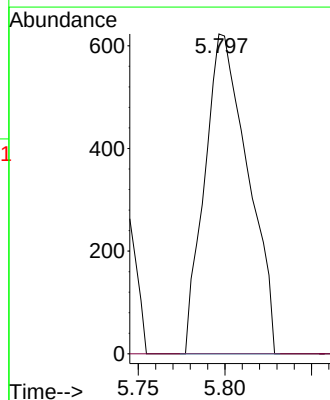
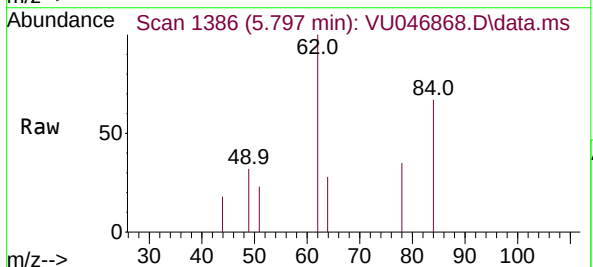
Acq: 27 Jan 2022 14:04

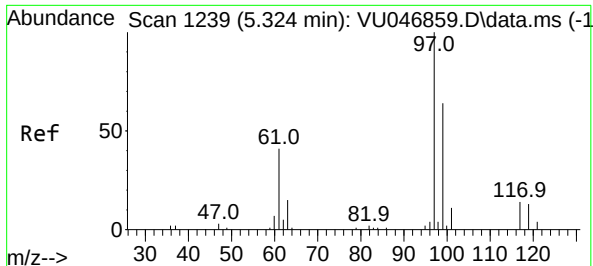
Tgt Ion: 62 Resp: 1082

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 1.859 ug/L

RT: 5.321 min Scan# 1239

Delta R.T. -0.003 min

Lab File: VU046868.D

Acq: 27 Jan 2022 14:04

Instrument :

MSVOA_U

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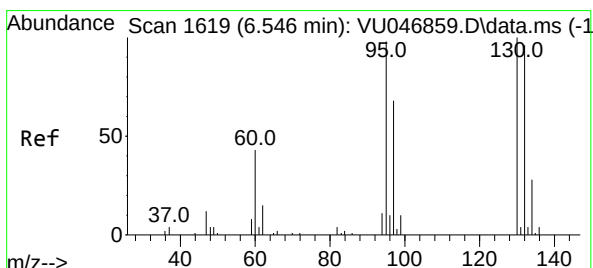
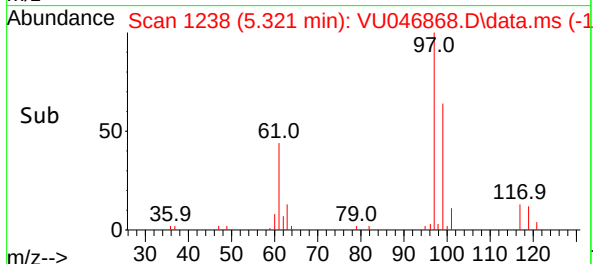
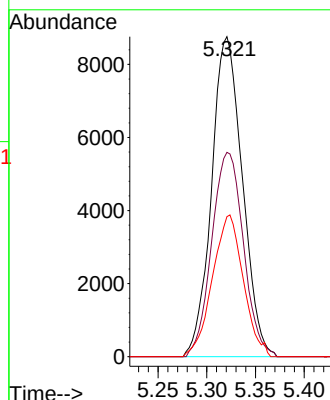
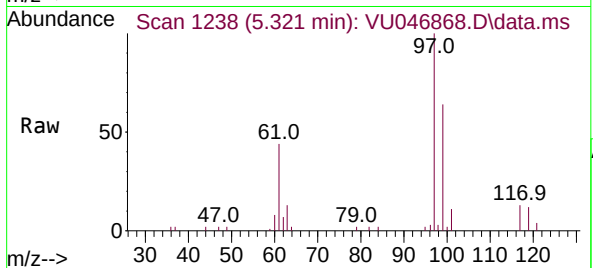
Tgt Ion: 97 Resp: 19258

Ion Ratio Lower Upper

97 100

99 65.7 51.3 76.9

61 44.4 36.1 54.1



#34

Trichloroethene

Concen: 32.880 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VU046868.D

Acq: 27 Jan 2022 14:04

Tgt Ion: 95 Resp: 231212

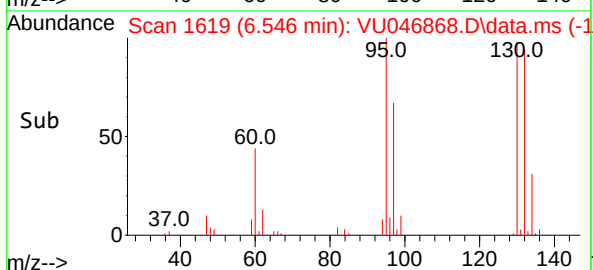
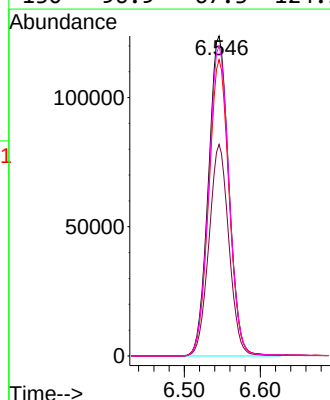
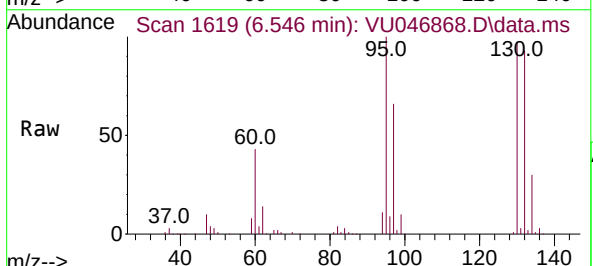
Ion Ratio Lower Upper

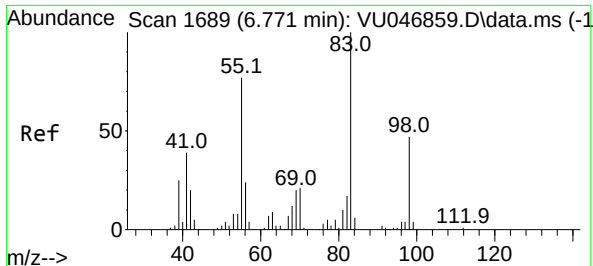
95 100

97 66.1 46.5 86.5

132 92.6 65.1 120.9

130 96.9 67.3 124.9

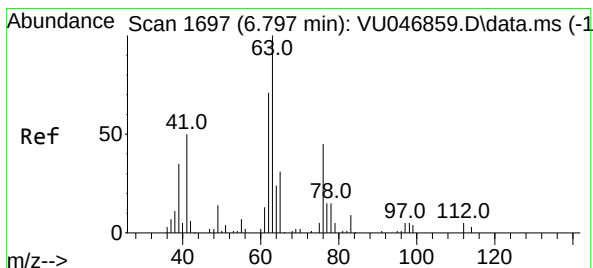
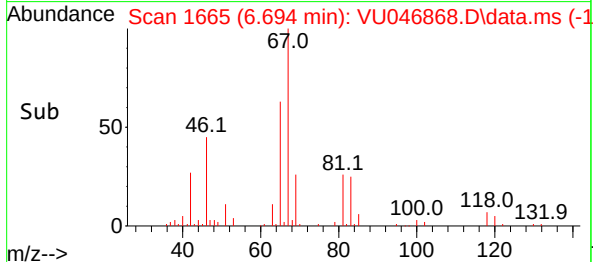
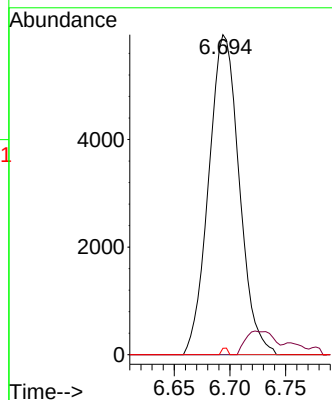
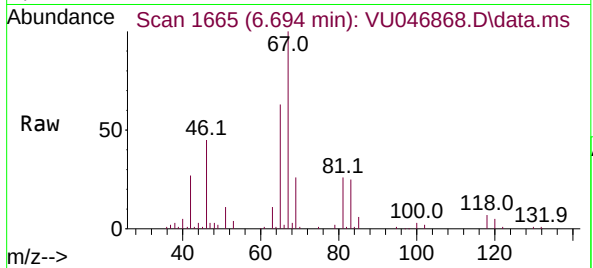




#35
Methylcyclohexane
Concen: 0.965 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.077 min
Lab File: VU046868.D
Acq: 27 Jan 2022 14:04

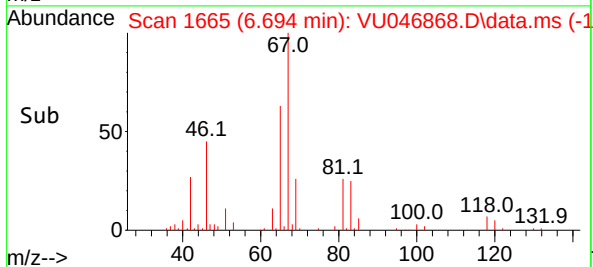
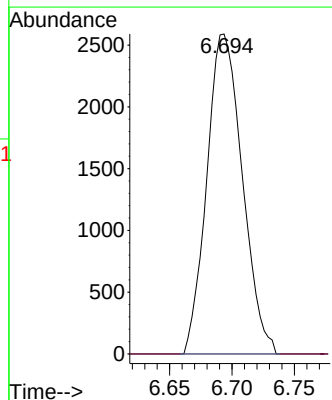
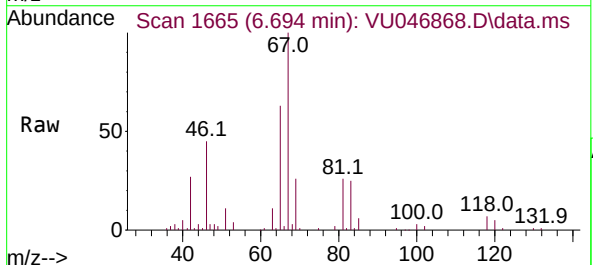
Instrument :
MSVOA_U
ClientSampleId :
BFX1

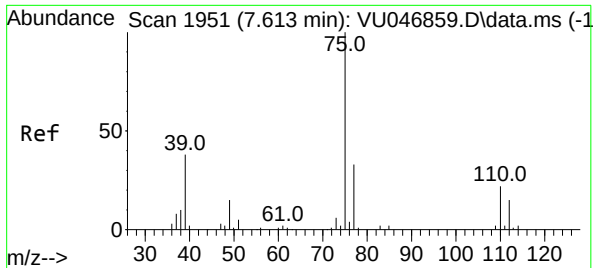
Tgt Ion: 83 Resp: 11361
Ion Ratio Lower Upper
83 100
55 6.8 61.9 92.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.773 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU046868.D
Acq: 27 Jan 2022 14:04

Tgt Ion: 63 Resp: 5136
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 7.571 min Scan# 1951

Delta R.T. -0.042 min

Lab File: VU046868.D

Acq: 27 Jan 2022 14:04

Instrument :

MSVOA_U

ClientSampleId :

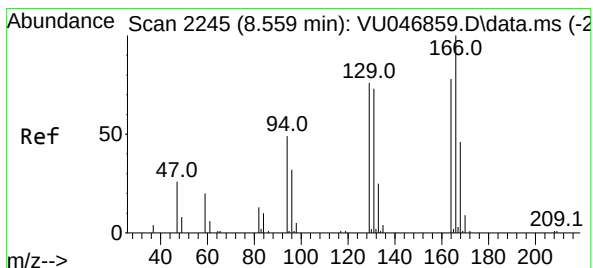
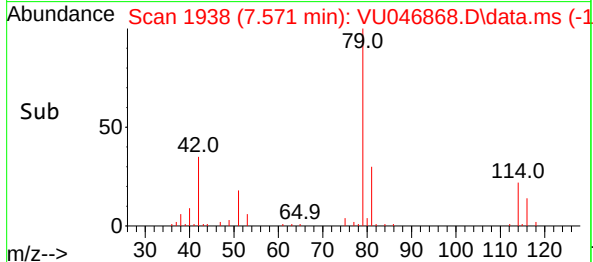
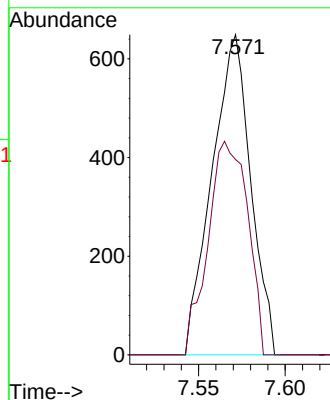
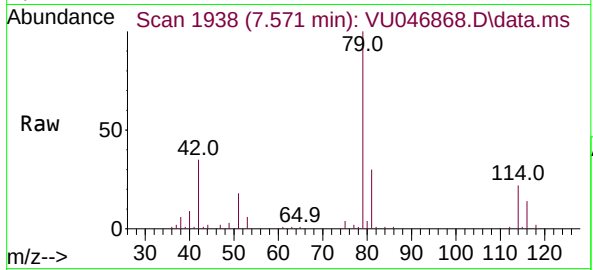
BFX1

Tgt Ion: 75 Resp: 1010

Ion Ratio Lower Upper

75 100

77 61.0 22.5 41.9#



#47

Tetrachloroethene

Concen: 13.967 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.003 min

Lab File: VU046868.D

Acq: 27 Jan 2022 14:04

Tgt Ion: 164 Resp: 79877

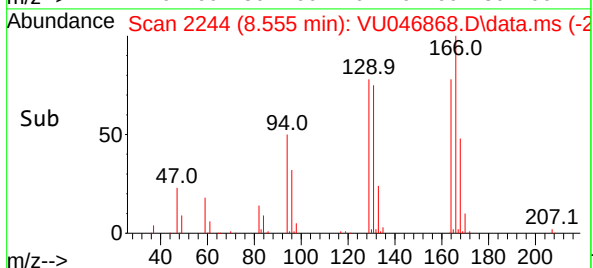
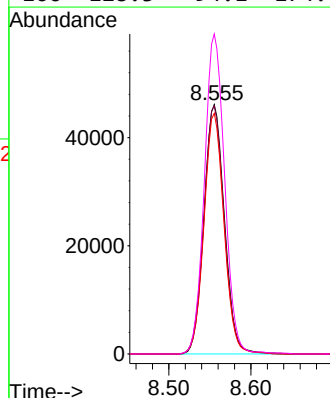
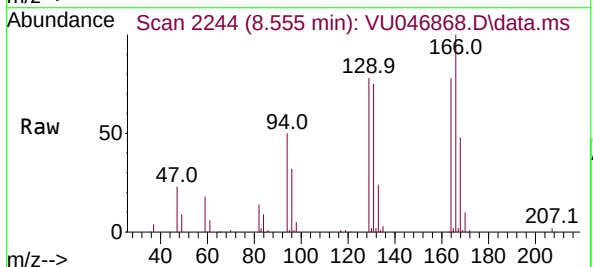
Ion Ratio Lower Upper

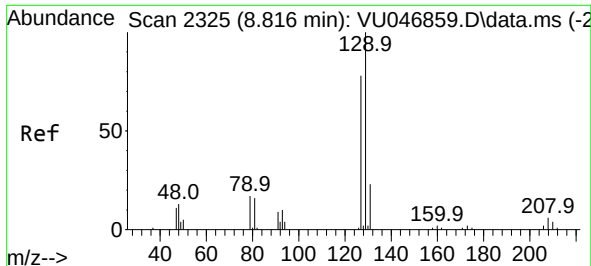
164 100

129 99.4 71.8 133.4

131 96.5 68.5 127.3

166 128.3 94.1 174.8

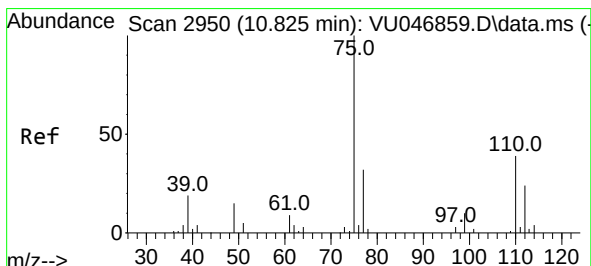
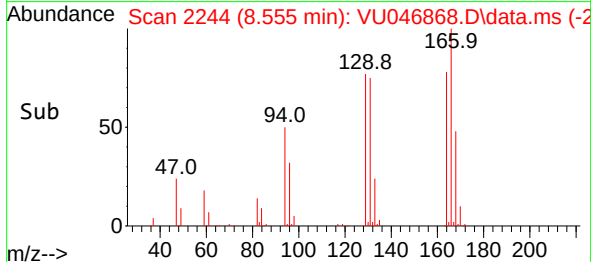
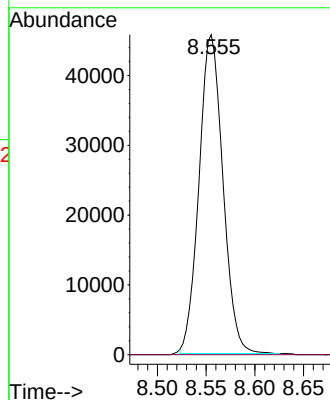
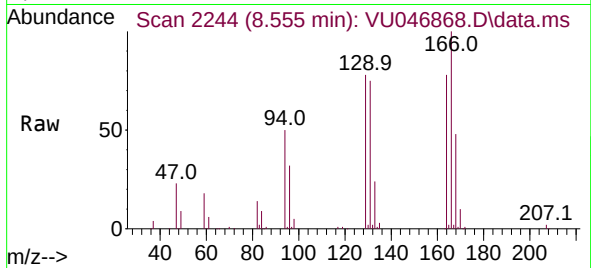




#49
Dibromochloromethane
Concen: 11.681 ug/L
RT: 8.555 min Scan# 211
Delta R.T. -0.261 min
Lab File: VU046868.D
Acq: 27 Jan 2022 14:04

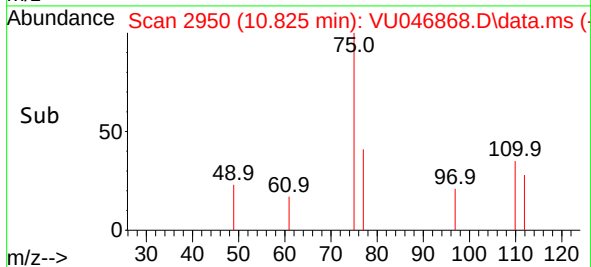
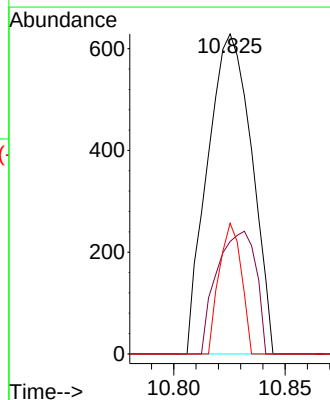
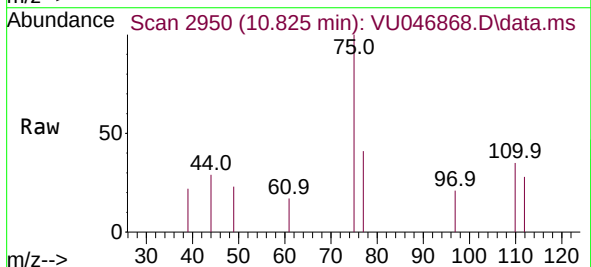
Instrument :
MSVOA_U
ClientSampleId :
BFX1

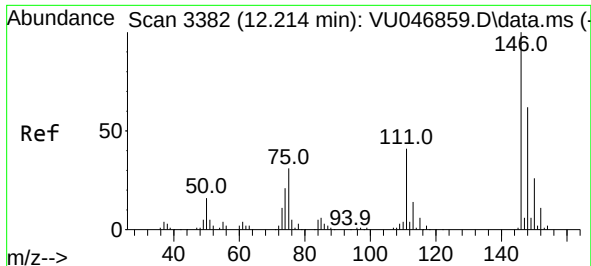
Tgt Ion:129 Resp: 77886
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



#61
1,2,3-Trichloropropane
Concen: 0.180 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU046868.D
Acq: 27 Jan 2022 14:04

Tgt Ion: 75 Resp: 866
Ion Ratio Lower Upper
75 100
110 33.8 29.9 44.9
77 20.6 25.5 38.3#





#67

1,2-Dichlorobenzene

Concen: 0.127 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046868.D

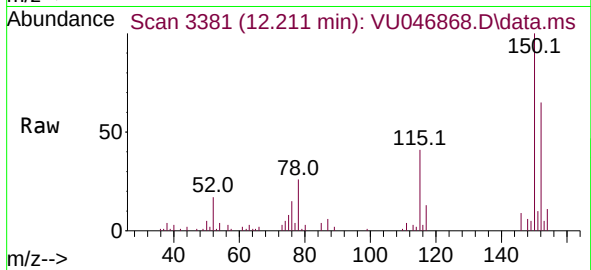
Acq: 27 Jan 2022 14:04

Instrument :

MSVOA_U

ClientSampleId :

BFX1



Tgt Ion:146 Resp: 1630

Ion Ratio Lower Upper

146 100

111 45.8 35.4 53.0

148 73.7 51.1 76.7

