

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U020122\
 Data File : U046991.D
 Acq On : 02 Feb 2022 02:59
 Operator : SY/MD
 Sample : K1348-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX5

Quant Time: Feb 02 04:09:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 02 03:49:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.295	114	94805	5.000	ug/L	0.04
28) Chlorobenzene-d5	9.430	117	113868	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	62176	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.629	65	49086	6.110	ug/L	0.03
Spiked Amount	5.000	Range	40 - 130	Recovery	= 122.200%	
7) Chloroethane-d5	1.951	69	37920	5.991	ug/L	0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	= 119.800%	
11) 1,1-Dichloroethene-d2	2.601	65	18775	5.875	ug/L	0.03
Spiked Amount	5.000	Range	60 - 125	Recovery	= 117.600%	
20) 2-Butanone-d5	4.784	46	86059	36.161	ug/L	0.14
Spiked Amount	50.000	Range	40 - 130	Recovery	= 72.320%	
24) Chloroform-d	5.134	84	77444	5.491	ug/L	0.06
Spiked Amount	5.000	Range	70 - 125	Recovery	= 109.800%	
26) 1,2-Dichloroethane-d4	5.761	65	39698	5.169	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	= 103.400%	
32) Benzene-d6	5.780	84	143695	4.294	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	= 85.800%	
36) 1,2-Dichloropropane-d6	6.732	67	48448	4.822	ug/L	0.04
Spiked Amount	5.000	Range	60 - 140	Recovery	= 96.400%	
41) Toluene-d8	7.922	98	111617	3.644	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	= 72.800%	
43) trans-1,3-Dichloroprop...	8.202	79	16352	3.706	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	= 74.200%	
46) 2-Hexanone-d5	8.658	63	80600	30.847	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	= 61.700%	
56) 1,1,2,2-Tetrachloroeth...	10.764	84	40611	4.026	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 80.600%	
66) 1,2-Dichlorobenzene-d4	12.195	152	43582	3.738	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 74.800%#	
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	2.173	101	4124	0.443	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.604	101	662	0.120	ug/L #	21
12) 1,1-Dichloroethene	2.613	96	34338	6.487	ug/L	92
17) Methyl tert-butyl Ether	3.433	73	3697	0.249	ug/L #	86
18) trans-1,2-Dichloroethene	3.388	96	595	0.104	ug/L #	72
19) 1,1-Dichloroethane	3.909	63	78050	8.109	ug/L	99
22) cis-1,2-Dichloroethene	4.719	96	56704	9.375	ug/L	96
25) Chloroform	5.157	83	15615	1.022	ug/L	96
27) 1,2-Dichloroethane	5.787	62	708	0.105	ug/L #	73
29) 1,1,1-Trichloroethane	5.382	97	14712	1.434	ug/L	97
34) Trichloroethene	6.581	95	198764	28.556	ug/L	99
35) Methylcyclohexane	6.729	83	10979	0.942	ug/L #	26
37) 1,2-Dichloropropane	6.732	63	5015	0.763	ug/L #	88
39) cis-1,3-Dichloropropene	7.591	75	945	0.092	ug/L #	26
42) Toluene	7.993	91	9392	0.293	ug/L	97
47) Tetrachloroethene	8.568	164	54740	9.670	ug/L	97
49) Dibromochloromethane	8.568	129	55041	8.339	ug/L #	10
53) m,p-Xylene	9.703	106	2341	0.193	ug/L	99
54) o-Xylene	10.108	106	1282	0.109	ug/L	90

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Response via : Initial Calibration

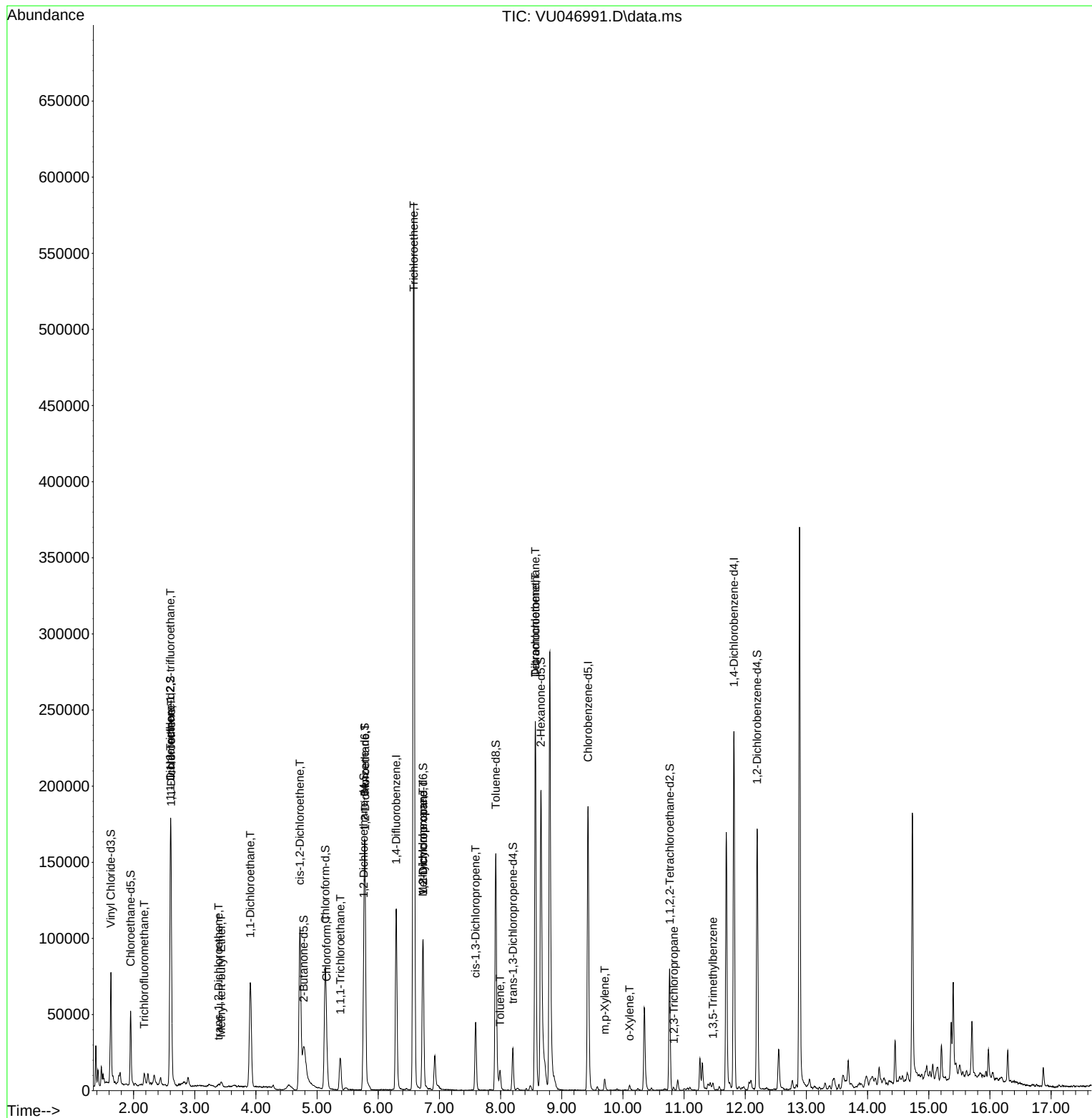
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.832	75	842	0.160	ug/L #	89
62) 1,3,5-Trimethylbenzene	11.472	105	2318	0.098	ug/L	87

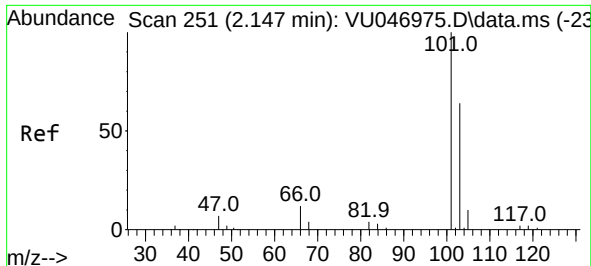
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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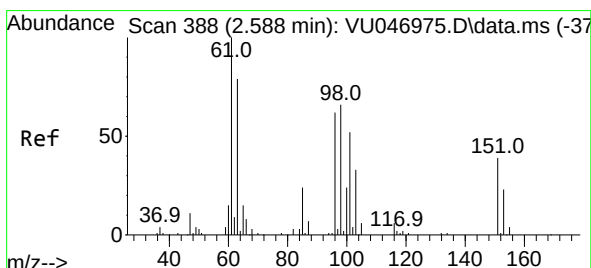
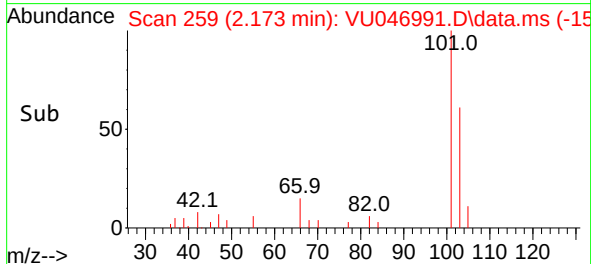
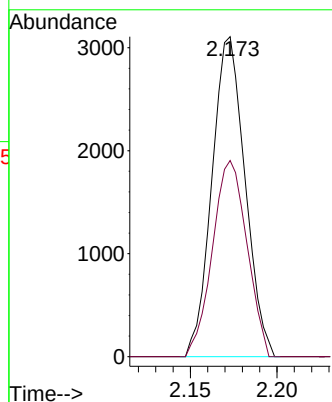
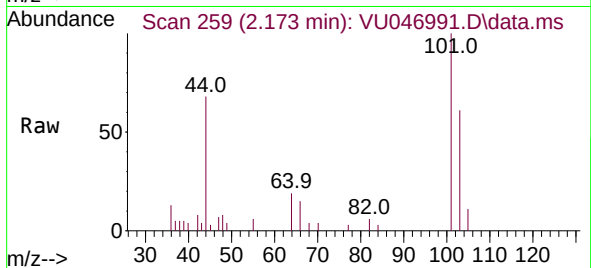




#9
 Trichlorofluoromethane
 Concen: 0.443 ug/L
 RT: 2.173 min Scan# 21
 Delta R.T. 0.026 min
 Lab File: VU046991.D
 Acq: 02 Feb 2022 02:59

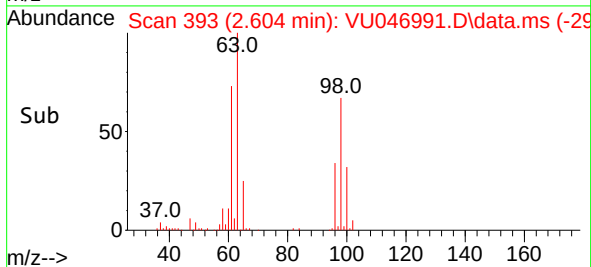
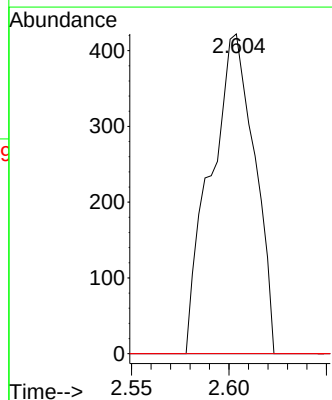
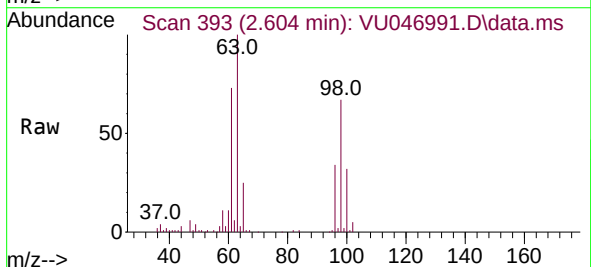
Instrument :
 MSVOA_U
 ClientSampleId :
 BFX5

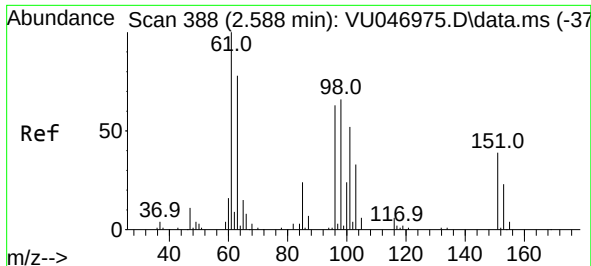
Tgt Ion:101 Resp: 4124
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.120 ug/L
 RT: 2.604 min Scan# 393
 Delta R.T. 0.016 min
 Lab File: VU046991.D
 Acq: 02 Feb 2022 02:59

Tgt Ion:101 Resp: 662
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 56.1 84.1#

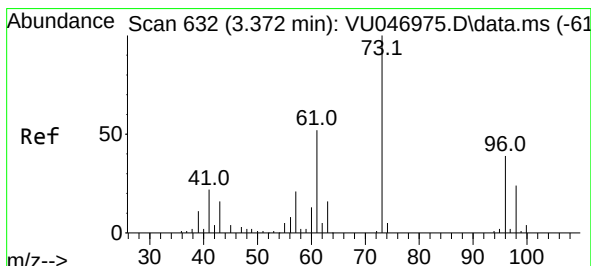
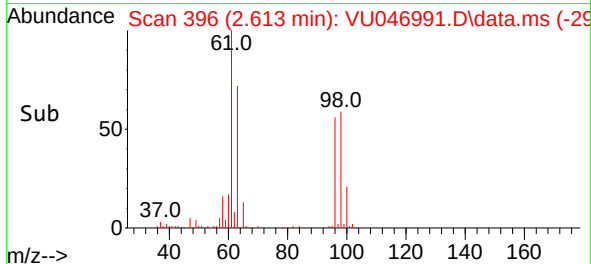
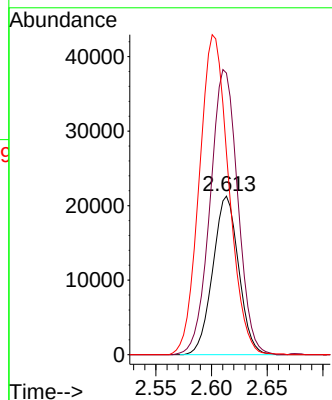
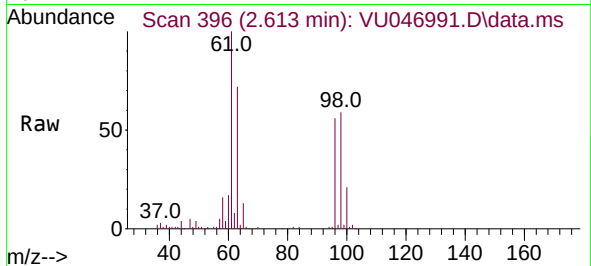




#12
1,1-Dichloroethene
Concen: 6.487 ug/L
RT: 2.613 min Scan# 396
Delta R.T. 0.026 min
Lab File: VU046991.D
Acq: 02 Feb 2022 02:59

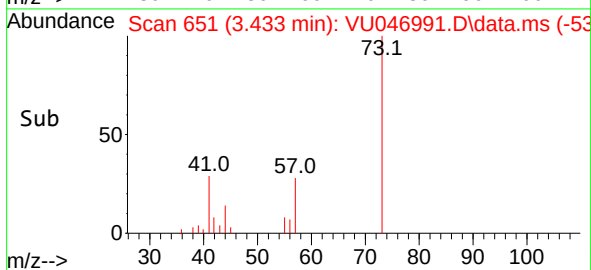
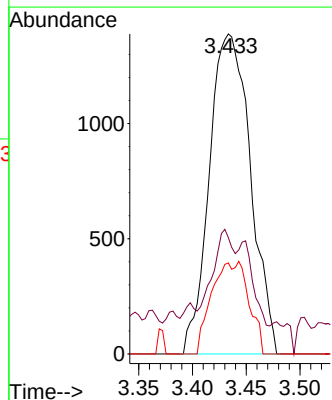
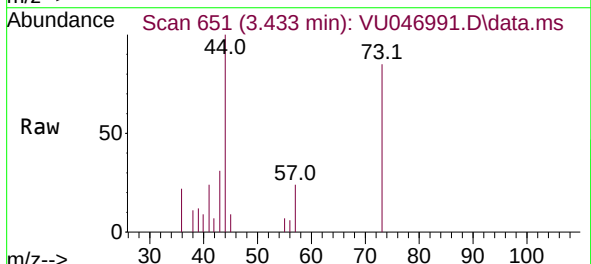
Instrument :
MSVOA_U
ClientSampleId :
BFX5

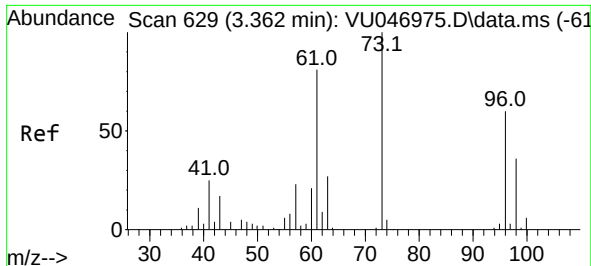
Tgt Ion: 96 Resp: 34338
Ion Ratio Lower Upper
96 100
61 177.6 124.7 231.5
63 127.4 105.2 195.4



#17
Methyl tert-butyl Ether
Concen: 0.249 ug/L
RT: 3.433 min Scan# 651
Delta R.T. 0.061 min
Lab File: VU046991.D
Acq: 02 Feb 2022 02:59

Tgt Ion: 73 Resp: 3697
Ion Ratio Lower Upper
73 100
43 12.0 14.8 22.2#
57 14.9 17.4 26.0#

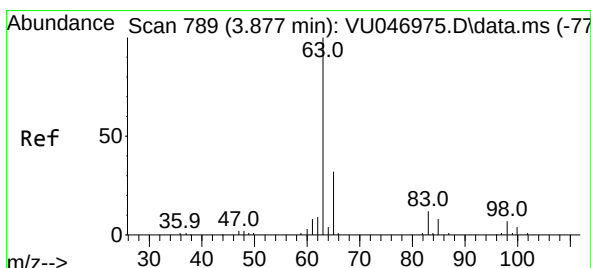
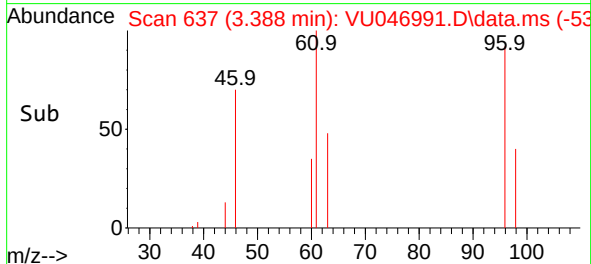
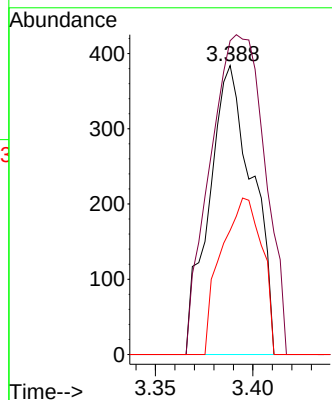
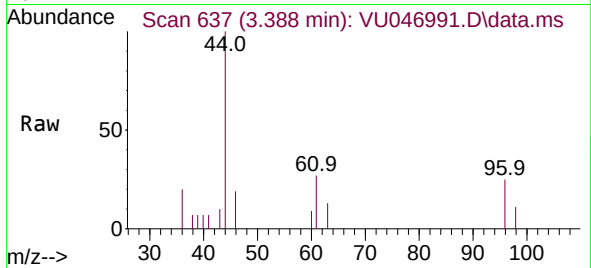




#18
trans-1,2-Dichloroethene
Concen: 0.104 ug/L
RT: 3.388 min Scan# 61
Delta R.T. 0.026 min
Lab File: VU046991.D
Acq: 02 Feb 2022 02:59

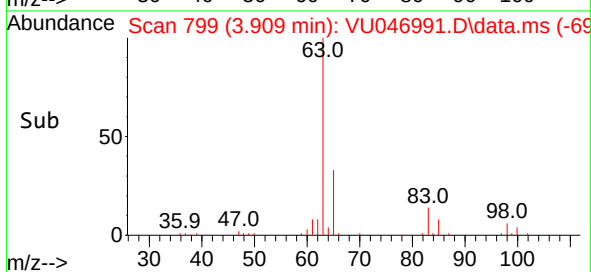
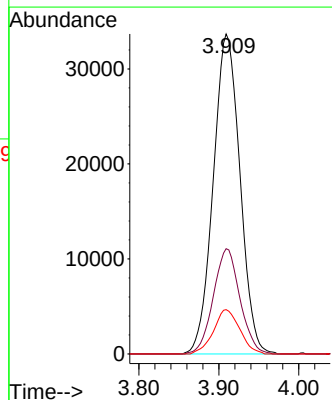
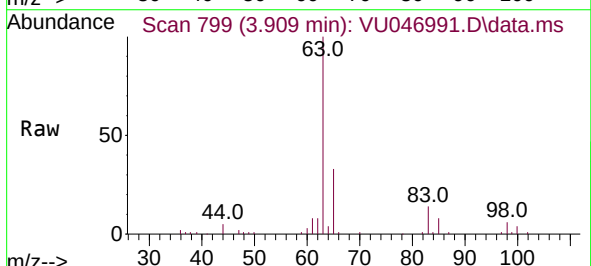
Instrument :
MSVOA_U
ClientSampleId :
BFX5

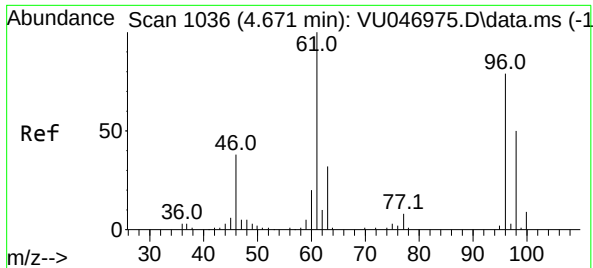
Tgt Ion: 96 Resp: 595
Ion Ratio Lower Upper
96 100
61 108.6 100.8 187.2
98 43.0 45.1 83.7#



#19
1,1-Dichloroethane
Concen: 8.109 ug/L
RT: 3.909 min Scan# 799
Delta R.T. 0.032 min
Lab File: VU046991.D
Acq: 02 Feb 2022 02:59

Tgt Ion: 63 Resp: 78050
Ion Ratio Lower Upper
63 100
65 32.9 22.3 41.5
83 13.8 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 9.375 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. 0.048 min

Lab File: VU046991.D

Acq: 02 Feb 2022 02:59

Instrument :

MSVOA_U

ClientSampleId :

BFX5

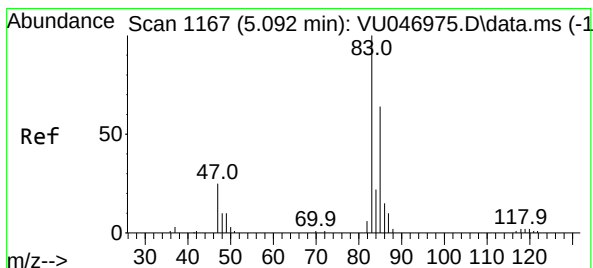
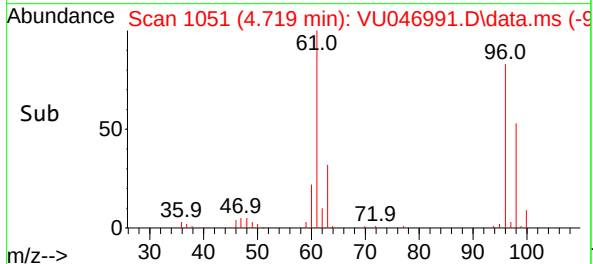
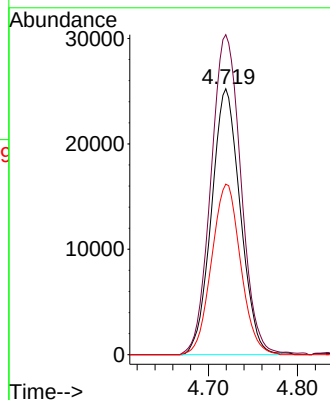
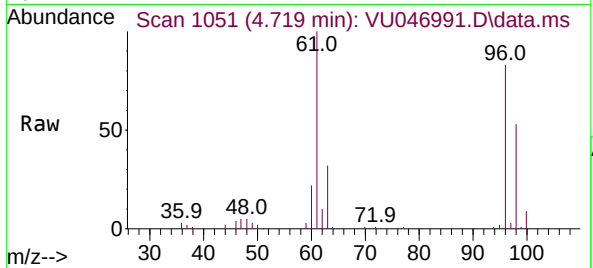
Tgt Ion: 96 Resp: 56704

Ion Ratio Lower Upper

96 100

61 120.3 88.5 164.3

98 64.1 44.4 82.5



#25

Chloroform

Concen: 1.022 ug/L

RT: 5.157 min Scan# 1187

Delta R.T. 0.064 min

Lab File: VU046991.D

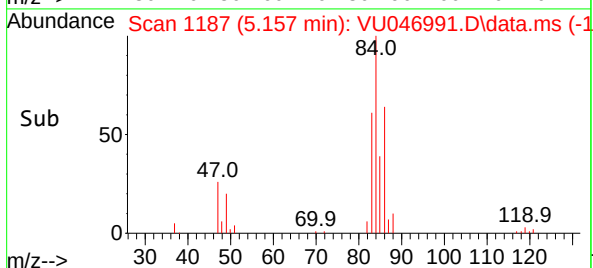
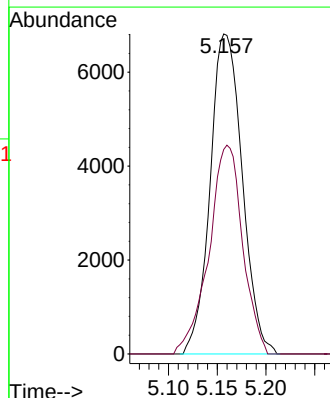
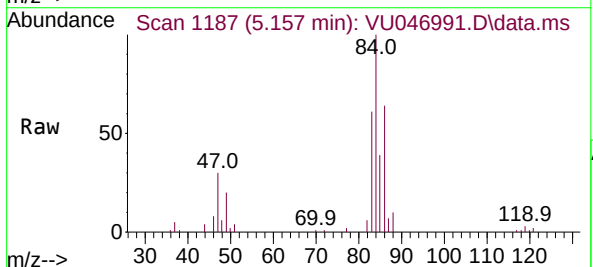
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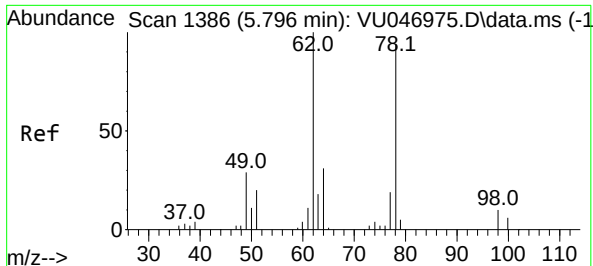
Tgt Ion: 83 Resp: 15615

Ion Ratio Lower Upper

83 100

85 63.9 46.9 87.1





#27

1,2-Dichloroethane

Concen: 0.105 ug/L

RT: 5.787 min Scan# 11

Delta R.T. -0.010 min

Lab File: VU046991.D

Acq: 02 Feb 2022 02:59

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ClientSampleId :

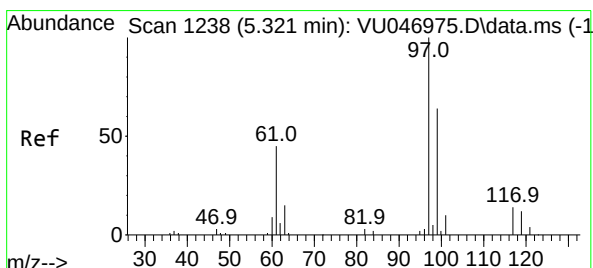
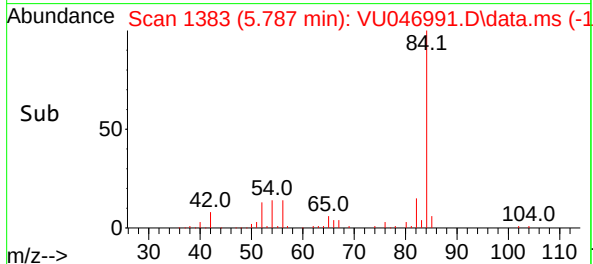
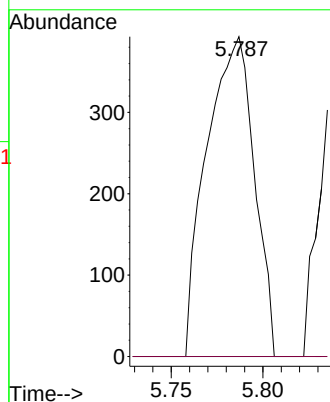
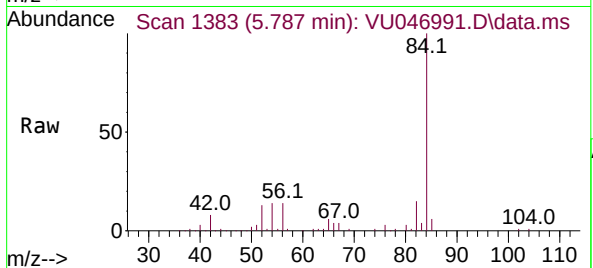
BFX5

Tgt Ion: 62 Resp: 708

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#



#29

1,1,1-Trichloroethane

Concen: 1.434 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. 0.061 min

Lab File: VU046991.D

Acq: 02 Feb 2022 02:59

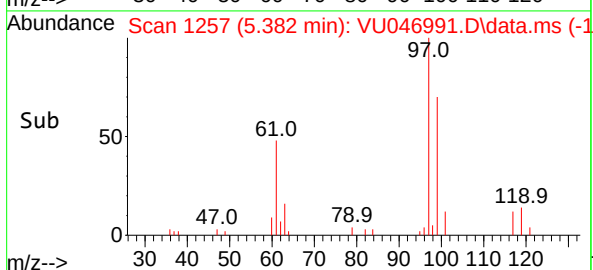
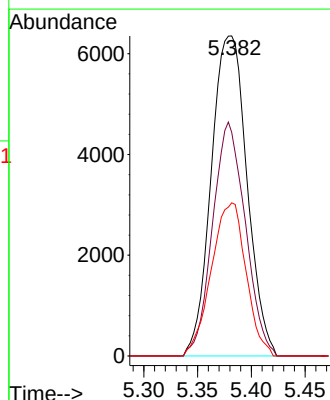
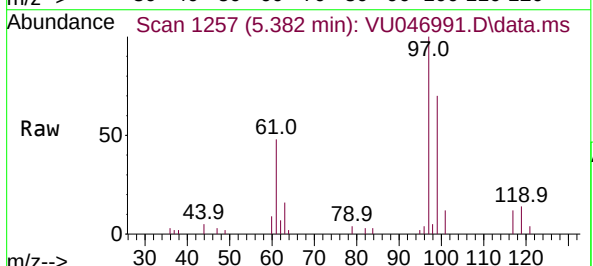
Tgt Ion: 97 Resp: 14712

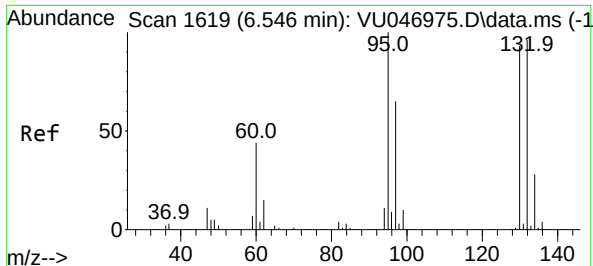
Ion Ratio Lower Upper

97 100

99 67.0 51.3 76.9

61 46.3 36.1 54.1





#34

Trichloroethene

Concen: 28.556 ug/L

RT: 6.581 min Scan# 1

Delta R.T. 0.035 min

Lab File: VU046991.D

Acq: 02 Feb 2022 02:59

Instrument :

MSVOA_U

ClientSampleId :

BFX5

Tgt Ion: 95 Resp: 198764

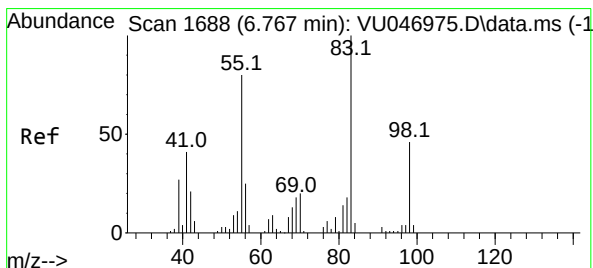
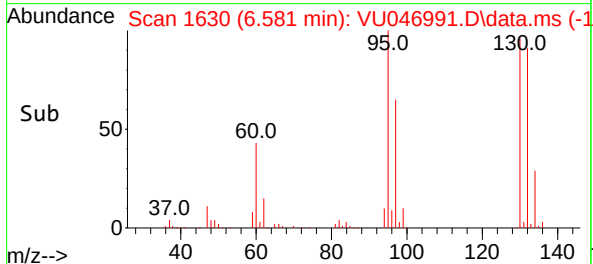
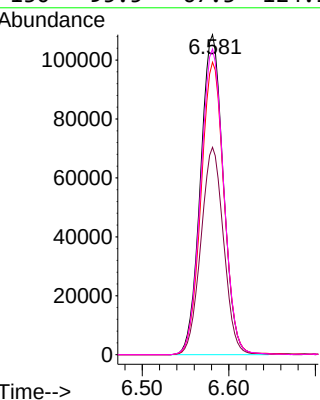
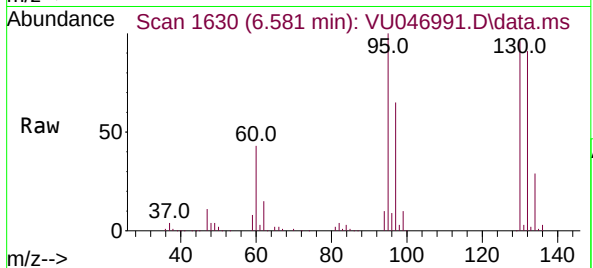
Ion Ratio Lower Upper

95 100

97 64.8 46.5 86.5

132 91.4 65.1 120.9

130 95.5 67.3 124.9



#35

Methylcyclohexane

Concen: 0.942 ug/L

RT: 6.729 min Scan# 1676

Delta R.T. -0.038 min

Lab File: VU046991.D

Acq: 02 Feb 2022 02:59

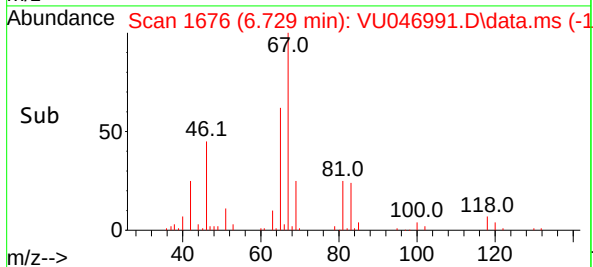
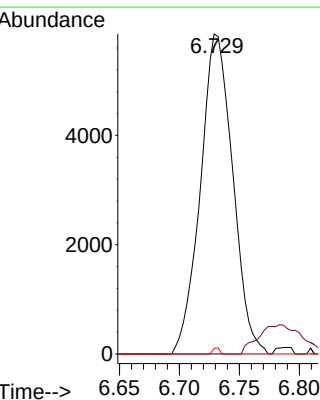
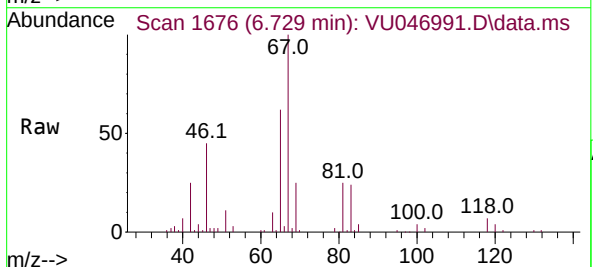
Tgt Ion: 83 Resp: 10979

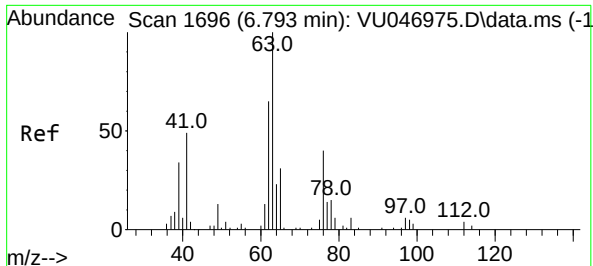
Ion Ratio Lower Upper

83 100

55 12.3 61.9 92.9#

98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.763 ug/L

RT: 6.732 min Scan# 1

Delta R.T. -0.061 min

Lab File: VU046991.D

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ClientSampleId :

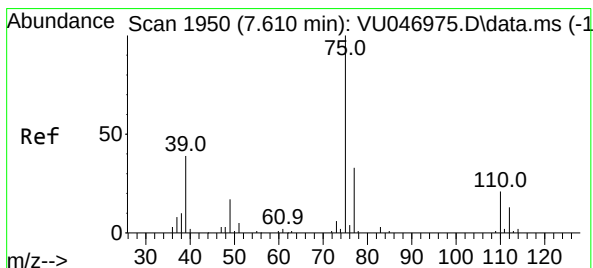
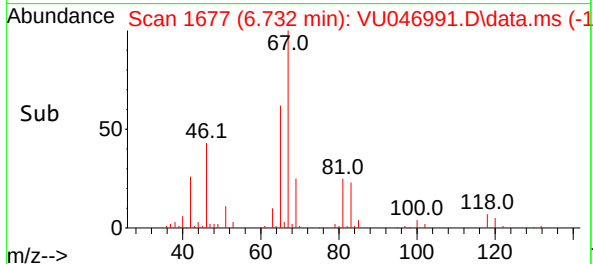
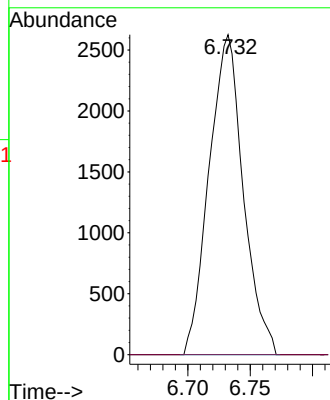
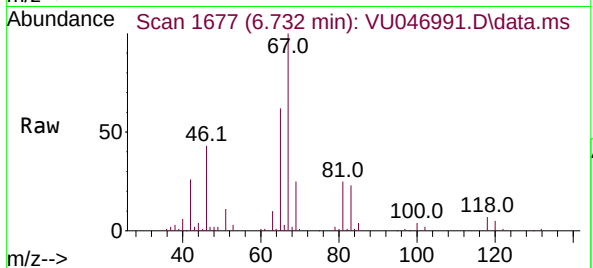
BFX5

Tgt Ion: 63 Resp: 5015

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.591 min Scan# 1944

Delta R.T. -0.019 min

Lab File: VU046991.D

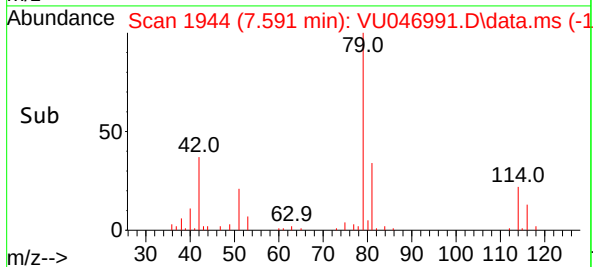
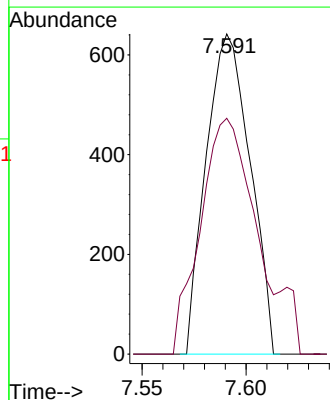
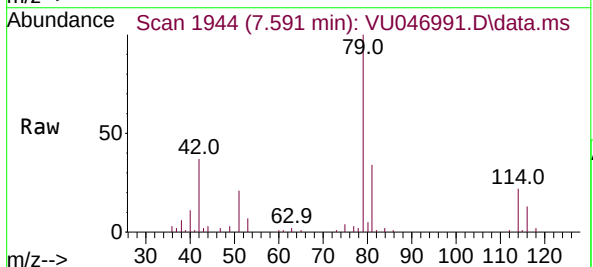
Acq: 02 Feb 2022 02:59

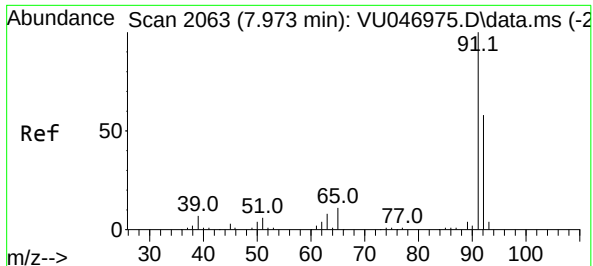
Tgt Ion: 75 Resp: 945

Ion Ratio Lower Upper

75 100

77 73.7 22.5 41.9#





#42

Toluene

Concen: 0.293 ug/L

RT: 7.993 min Scan# 2063

Delta R.T. 0.019 min

Lab File: VU046991.D

Acq: 02 Feb 2022 02:59

Instrument :

MSVOA_U

ClientSampleId :

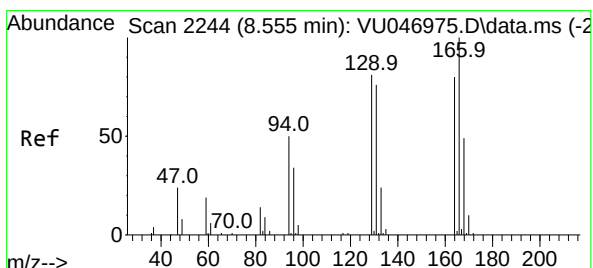
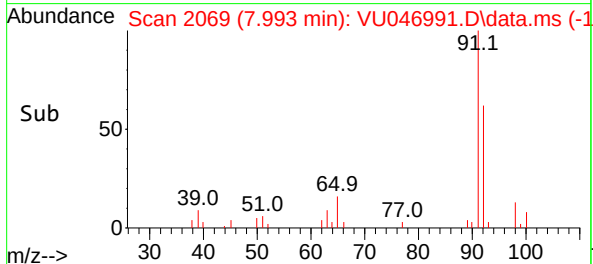
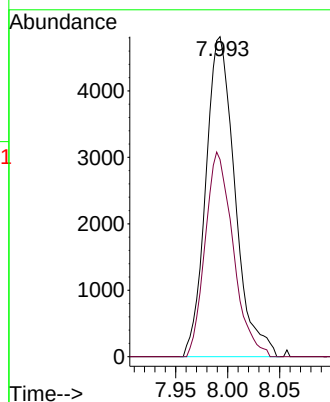
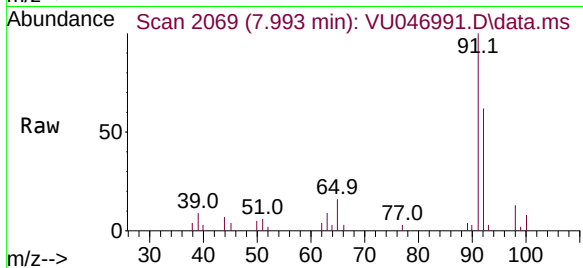
BFX5

Tgt Ion: 91 Resp: 9392

Ion Ratio Lower Upper

91 100

92 61.6 41.3 76.7



#47

Tetrachloroethene

Concen: 9.670 ug/L

RT: 8.568 min Scan# 2248

Delta R.T. 0.013 min

Lab File: VU046991.D

Acq: 02 Feb 2022 02:59

Tgt Ion: 164 Resp: 54740

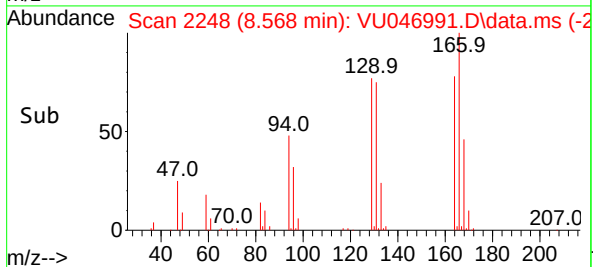
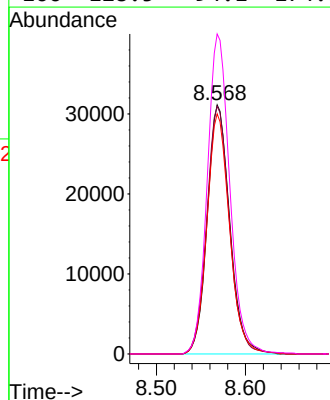
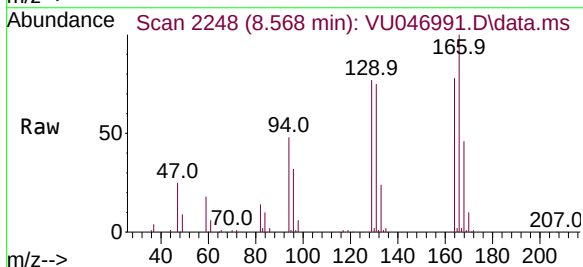
Ion Ratio Lower Upper

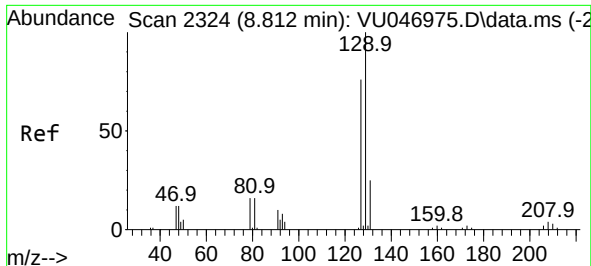
164 100

129 99.5 71.8 133.4

131 96.4 68.5 127.3

166 128.5 94.1 174.8





#49

Dibromochloromethane

Concen: 8.339 ug/L

RT: 8.568 min Scan# 21

Delta R.T. -0.244 min

Lab File: VU046991.D

Acq: 02 Feb 2022 02:59

Instrument :

MSVOA_U

ClientSampleId :

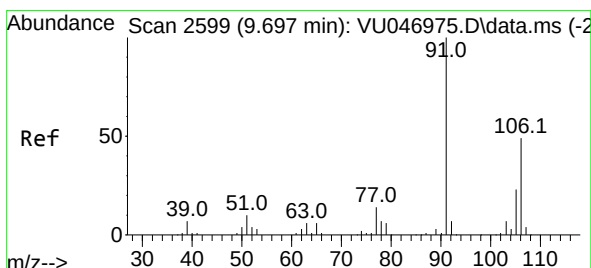
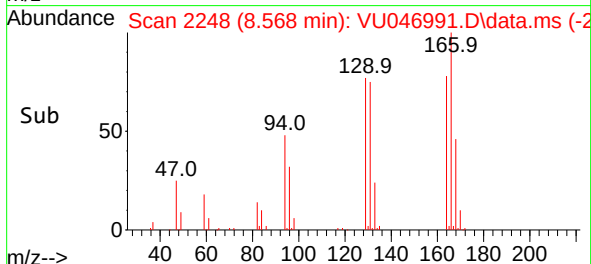
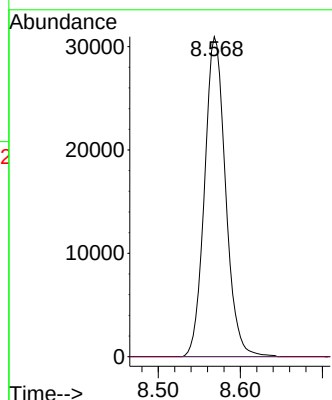
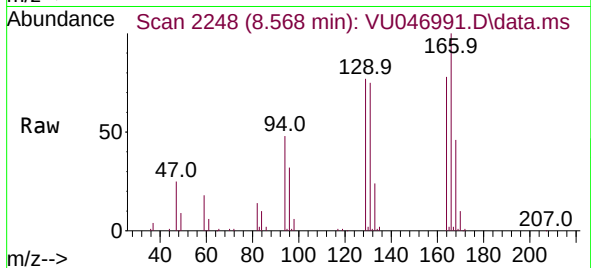
BFX5

Tgt Ion:129 Resp: 55041

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#53

m,p-Xylene

Concen: 0.193 ug/L

RT: 9.703 min Scan# 2601

Delta R.T. 0.006 min

Lab File: VU046991.D

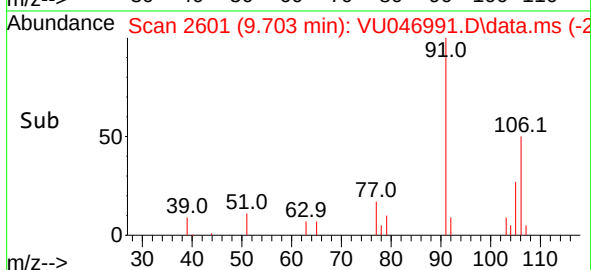
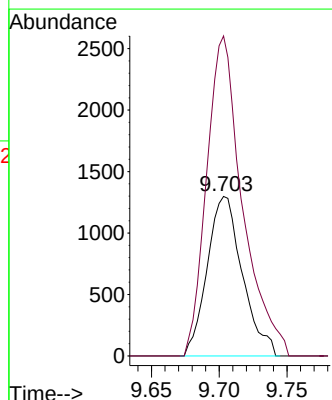
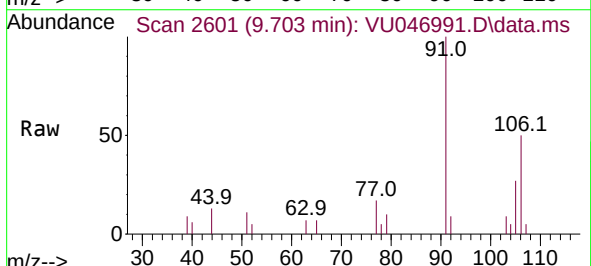
Acq: 02 Feb 2022 02:59

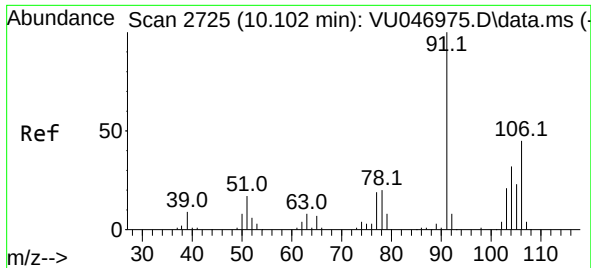
Tgt Ion:106 Resp: 2341

Ion Ratio Lower Upper

106 100

91 200.5 139.4 259.0

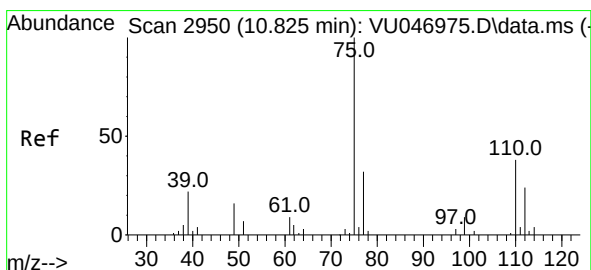
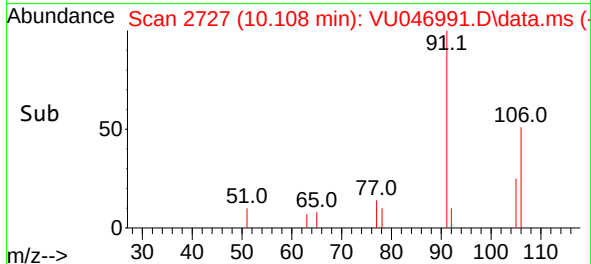
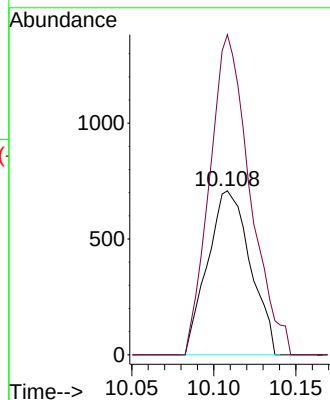
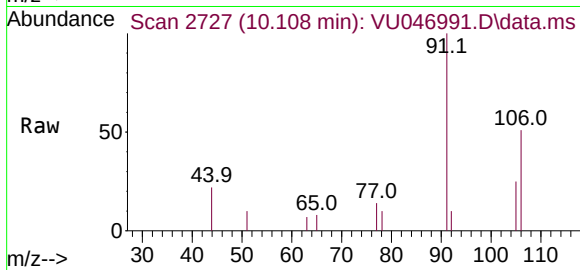




#54
o-Xylene
Concen: 0.109 ug/L
RT: 10.108 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU046991.D
Acq: 02 Feb 2022 02:59

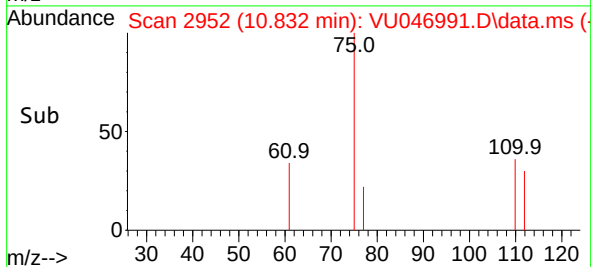
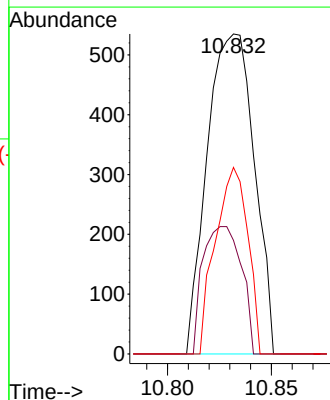
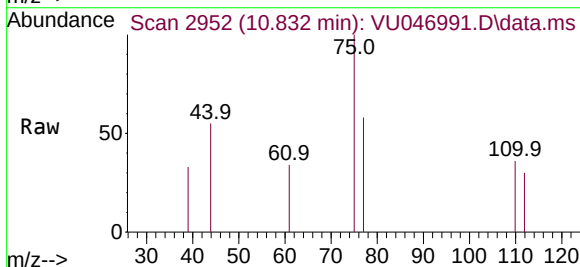
Instrument :
MSVOA_U
ClientSampleId :
BFX5

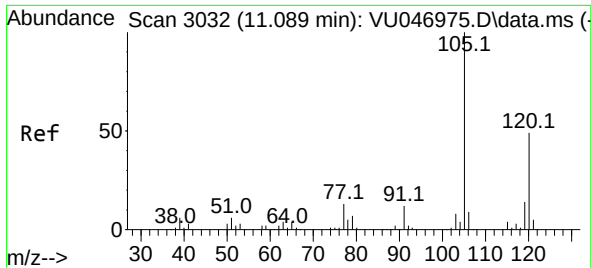
Tgt Ion:106 Resp: 1282
Ion Ratio Lower Upper
106 100
91 195.2 147.5 273.9



#61
1,2,3-Trichloropropane
Concen: 0.160 ug/L
RT: 10.832 min Scan# 2952
Delta R.T. 0.007 min
Lab File: VU046991.D
Acq: 02 Feb 2022 02:59

Tgt Ion: 75 Resp: 842
Ion Ratio Lower Upper
75 100
110 32.4 29.9 44.9
77 40.1 25.5 38.3#





#62
 1,3,5-Trimethylbenzene
 Concen: 0.098 ug/L
 RT: 11.472 min Scan# 31
 Delta R.T. 0.383 min
 Lab File: VU046991.D
 Acq: 02 Feb 2022 02:59

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX5

Tgt Ion:105 Resp: 2318
 Ion Ratio Lower Upper
 105 100
 120 38.8 38.3 57.5

