

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060622\
 Data File : VX029243.D
 Acq On : 06 Jun 2022 17:07
 Operator : JC/MD
 Sample : N3160-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Jun 07 06:05:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

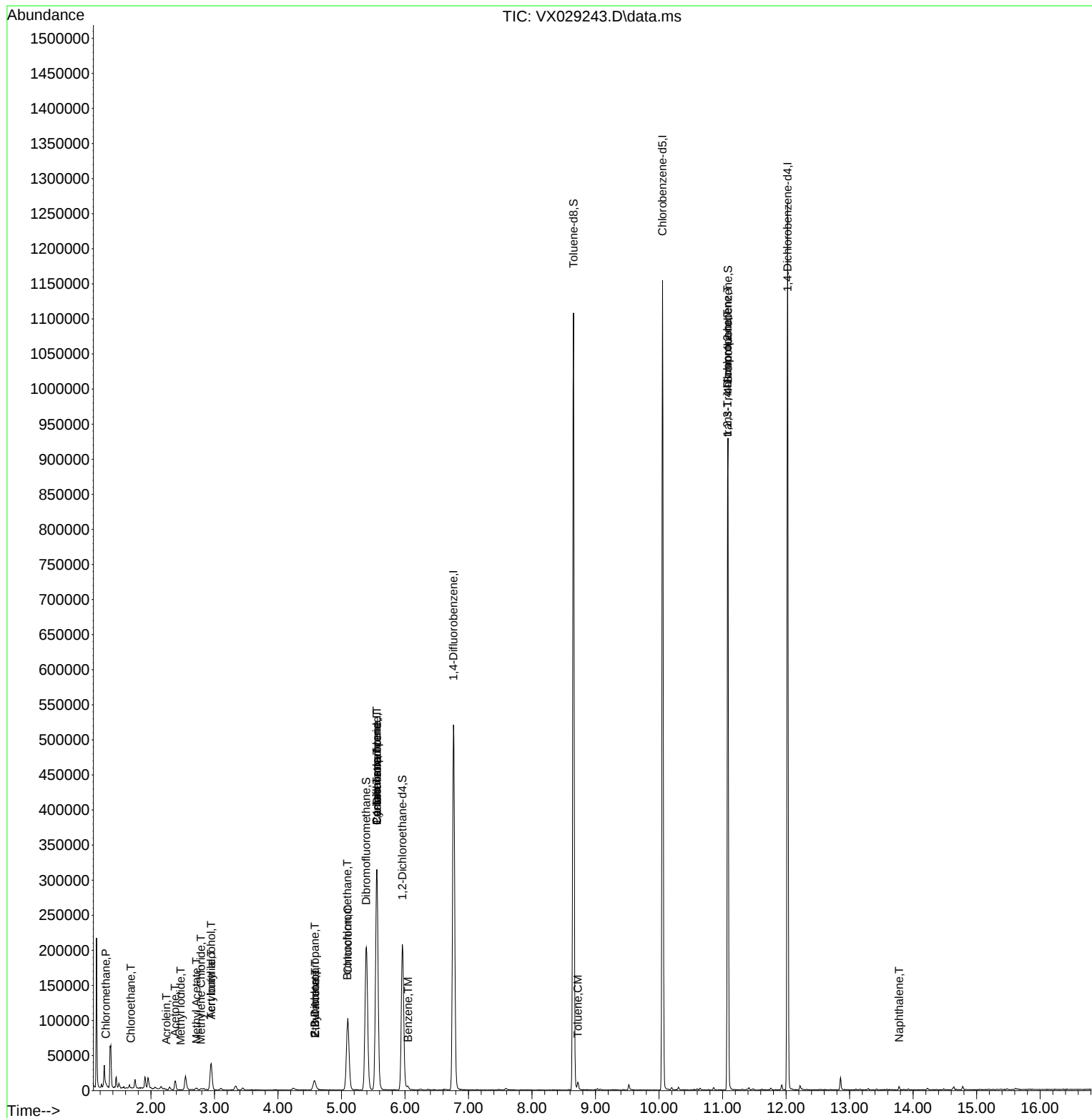
Internal Standards						
1) Pentafluorobenzene	5.556	168	291000	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	545608	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	538165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	252250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	202387	61.676	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 123.360%	
35) Dibromofluoromethane	5.385	113	185243	51.115	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 102.220%	
50) Toluene-d8	8.653	98	654631	49.389	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 98.780%	
62) 4-Bromofluorobenzene	11.085	95	262074	51.150	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	987	0.373	ug/l	# 87
5) Bromomethane	1.611	94	722	Below Cal		81
6) Chloroethane	1.685	64	709	1.674	ug/l	# 71
10) Methyl Iodide	2.465	142	375	4.332	ug/l	# 82
11) Tert butyl alcohol	2.946	59	22214	29.223	ug/l	# 75
13) Acrolein	2.239	56	290	0.842	ug/l	# 1
15) Acrylonitrile	2.946	53	482	0.308	ug/l	# 18
16) Acetone	2.380	43	13944	10.791	ug/l	98
18) Methyl Acetate	2.715	43	1383	0.414	ug/l	# 72
20) Methylene Chloride	2.788	84	819	0.272	ug/l	# 91
25) 2-Butanone	4.586	43	7011	3.364	ug/l	# 66
26) 2,2-Dichloropropane	4.580	77	870	0.218	ug/l	# 52
28) Bromochloromethane	5.092	49	8812	4.493	ug/l	# 7
30) Chloroform	5.099	83	125154	23.160	ug/l	95
31) Cyclohexane	5.556	56	5911	1.386	ug/l	# 30
36) 1,1-Dichloropropene	5.556	75	23127	4.960	ug/l	# 49
37) Ethyl Acetate	4.586	43	7011	1.551	ug/l	# 77
38) Carbon Tetrachloride	5.556	117	30588	5.740	ug/l	# 16
40) Benzene	6.050	78	5078	0.368	ug/l	# 87
44) Trichloroethene	7.123	130	298	Below Cal		92
52) Toluene	8.720	92	3959	0.429	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	129465	25.318	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	129465	74.278	ug/l	# 15
95) Naphthalene	13.780	128	3389	0.202	ug/l	# 96

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

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MW-4

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Quant Title : SW846 8260
QLast Update : Wed Jun 01 04:45:42 2022
Response via : Initial Calibration

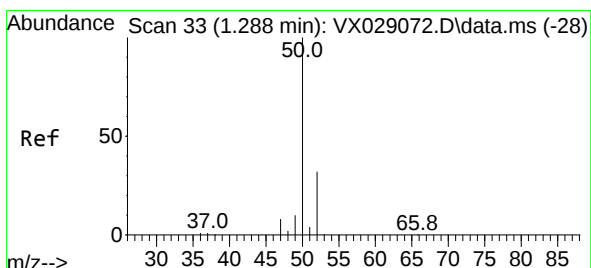
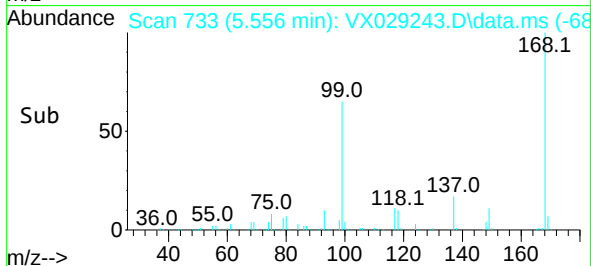
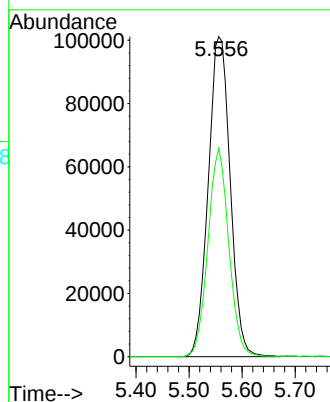
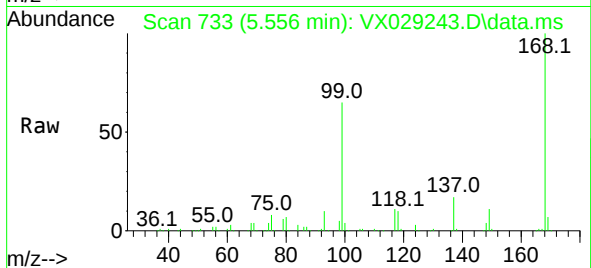




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

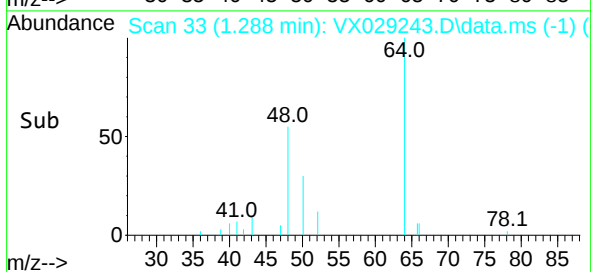
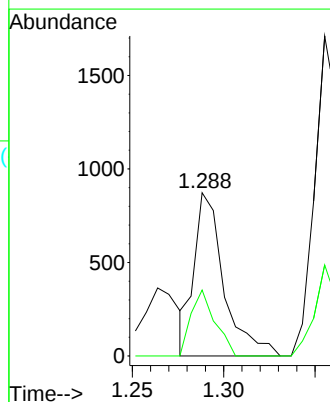
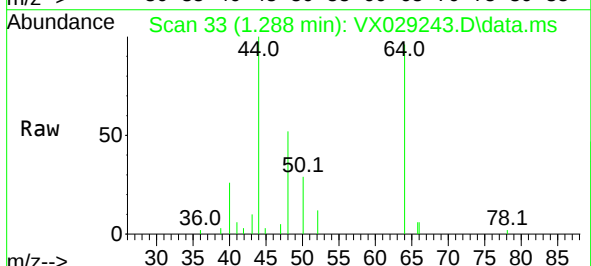
Instrument :
MSVOA_X
ClientSampleId :
MW-4

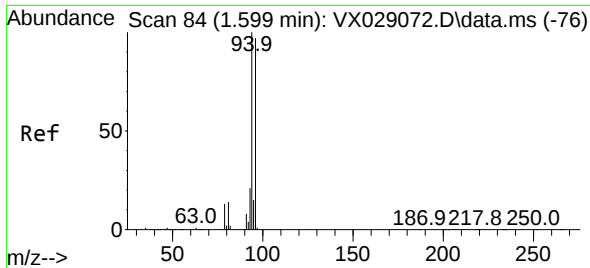
Tgt Ion:168 Resp: 291000
Ion Ratio Lower Upper
168 100
99 65.0 41.7 62.5#



#3
Chloromethane
Concen: 0.373 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

Tgt Ion: 50 Resp: 987
Ion Ratio Lower Upper
50 100
52 40.4 26.4 39.6#

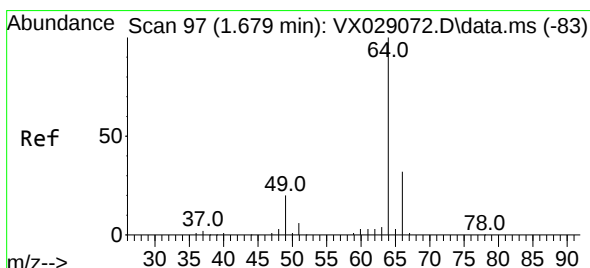
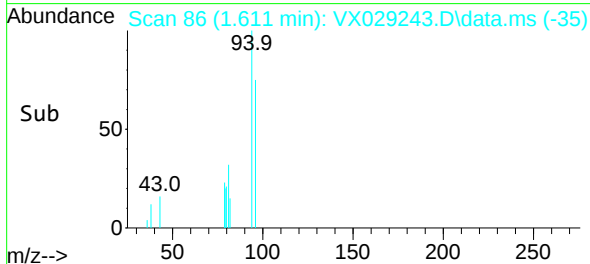
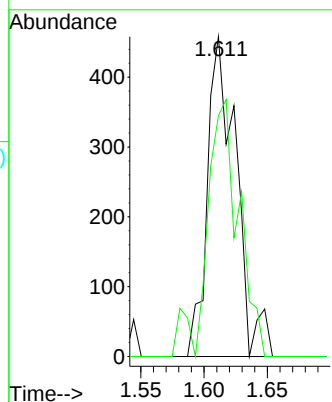
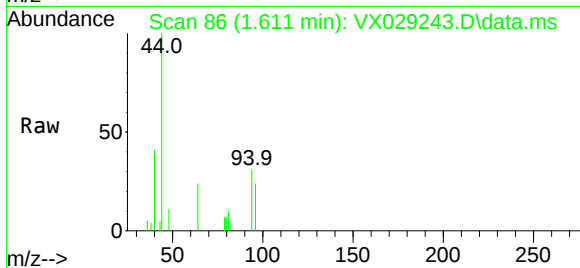




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

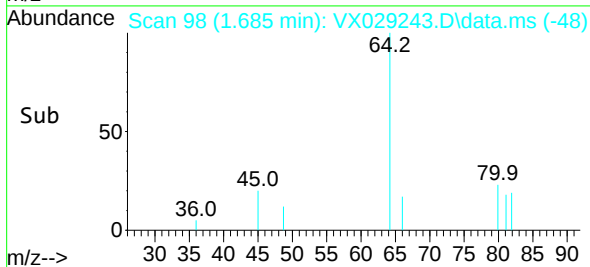
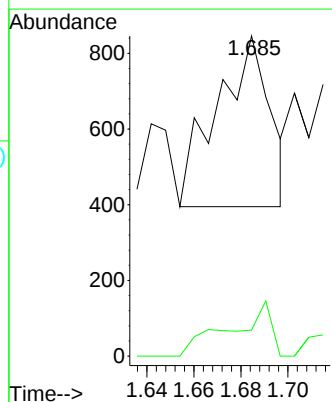
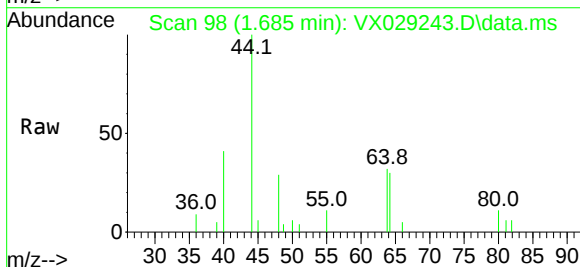
Instrument :
MSVOA_X
ClientSampleId :
MW-4

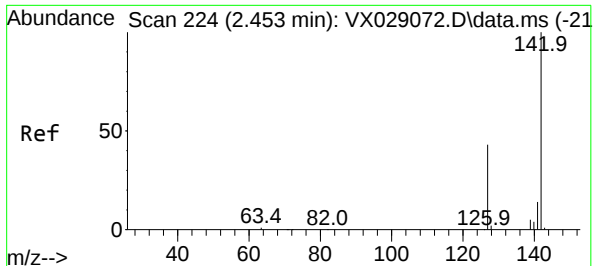
Tgt Ion: 94 Resp: 722
Ion Ratio Lower Upper
94 100
96 75.3 75.3 112.9



#6
Chloroethane
Concen: 1.674 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

Tgt Ion: 64 Resp: 709
Ion Ratio Lower Upper
64 100
66 15.3 25.3 37.9#

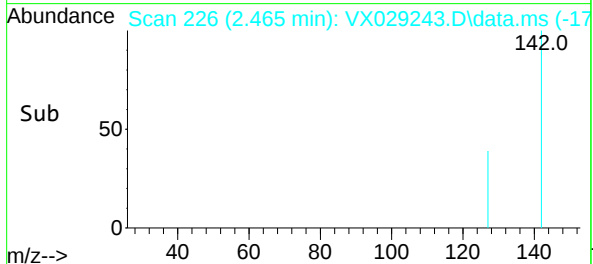
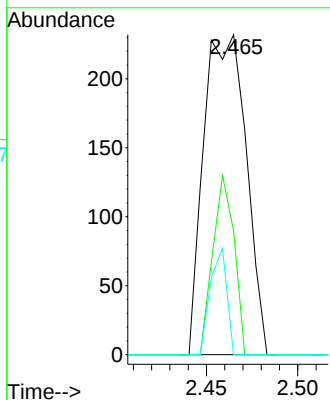
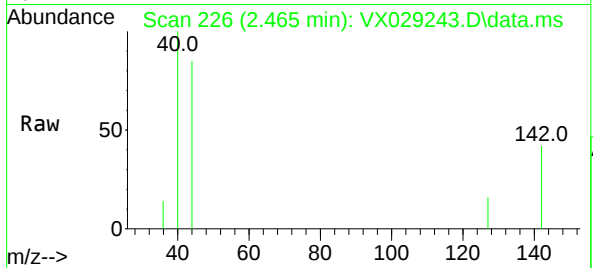




#10
Methyl Iodide
Concen: 4.332 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

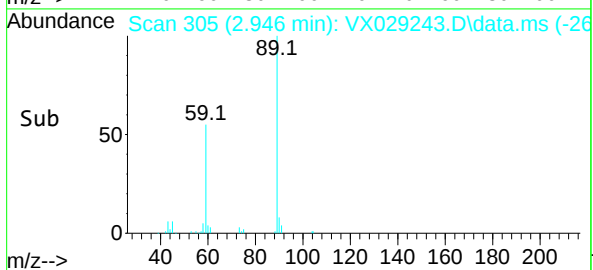
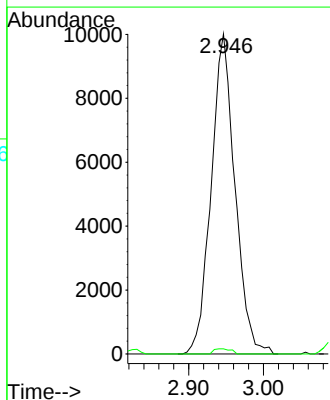
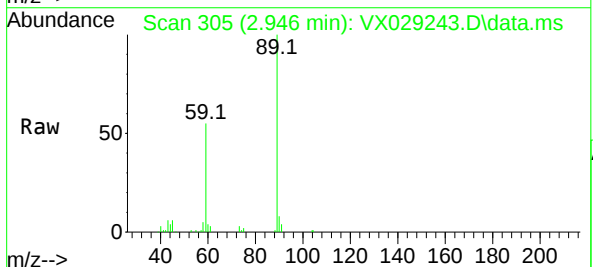
Instrument :
MSVOA_X
ClientSampleId :
MW-4

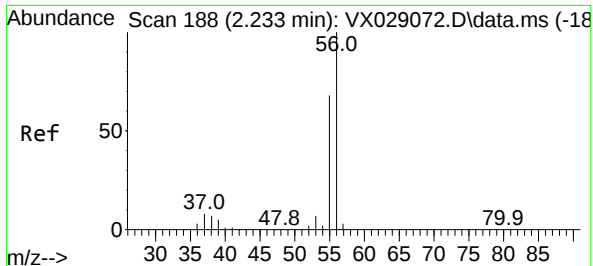
Tgt Ion:142 Resp: 375
Ion Ratio Lower Upper
142 100
127 28.0 33.9 50.9#
141 13.1 11.4 17.2



#11
Tert butyl alcohol
Concen: 29.223 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.025 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

Tgt Ion: 59 Resp: 22214
Ion Ratio Lower Upper
59 100
57 1.2 8.3 12.5#

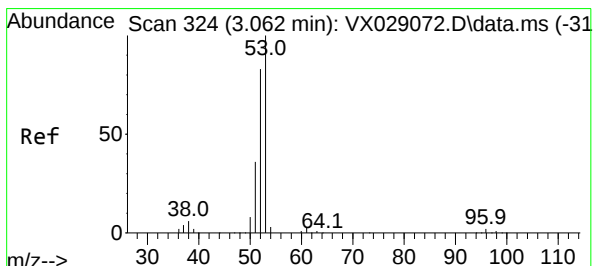
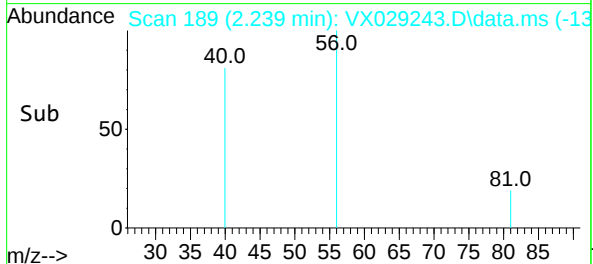
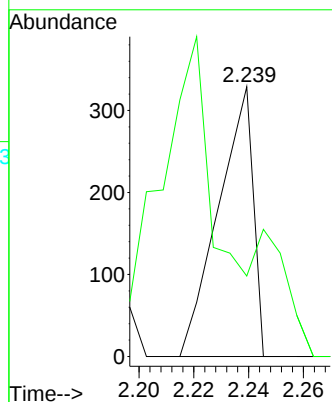
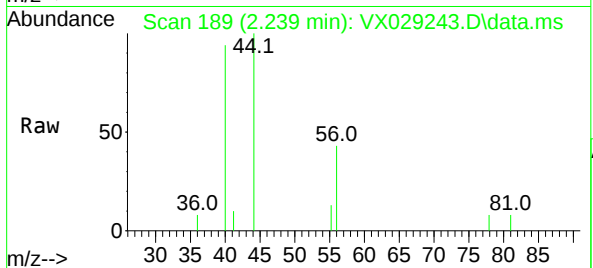




#13
Acrolein
Concen: 0.842 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

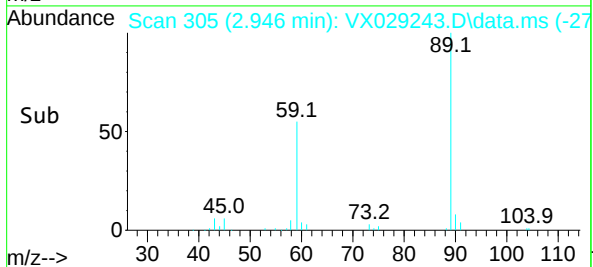
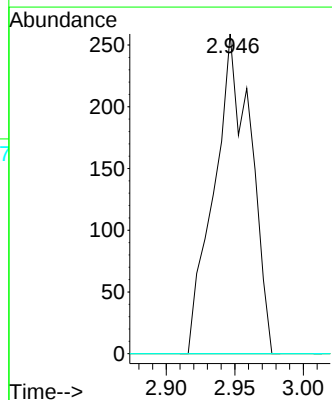
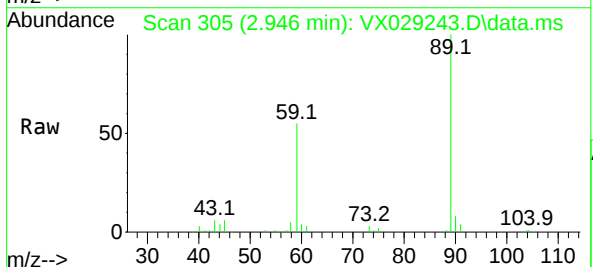
Instrument :
MSVOA_X
ClientSampleId :
MW-4

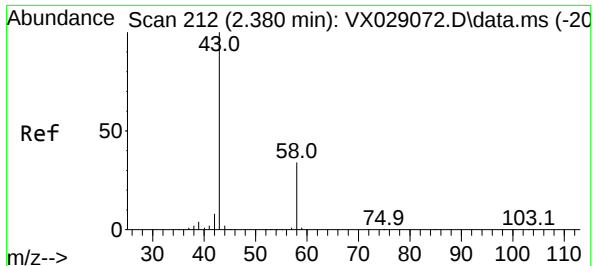
Tgt Ion: 56 Resp: 290
Ion Ratio Lower Upper
56 100
55 193.1 55.0 82.6#



#15
Acrylonitrile
Concen: 0.308 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.116 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

Tgt Ion: 53 Resp: 482
Ion Ratio Lower Upper
53 100
52 0.0 65.7 98.5#
51 0.0 28.4 42.6#

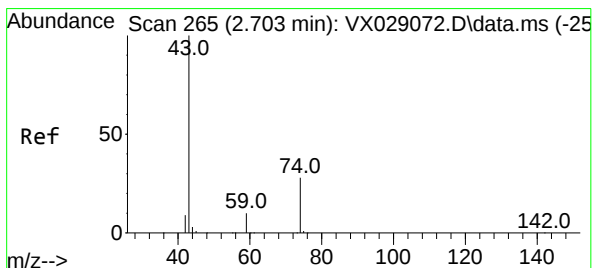
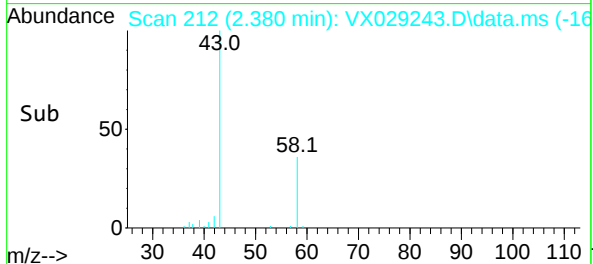
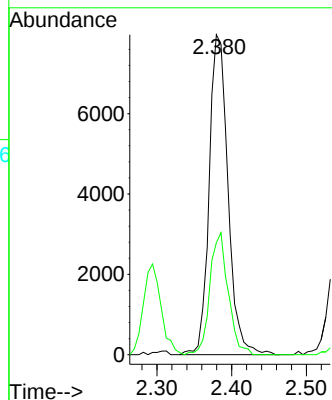
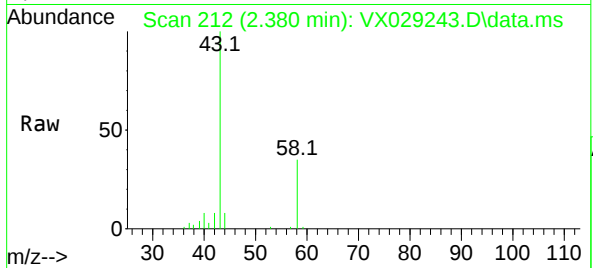




#16
Acetone
Concen: 10.791 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

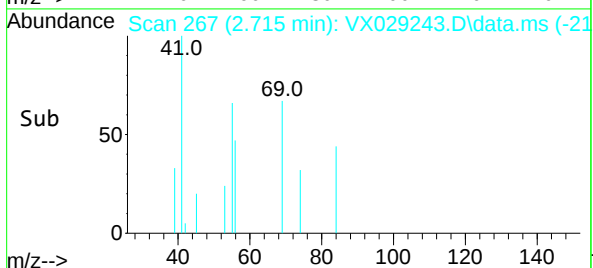
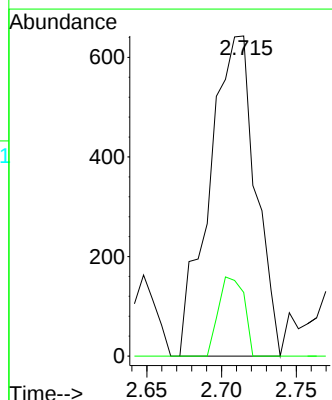
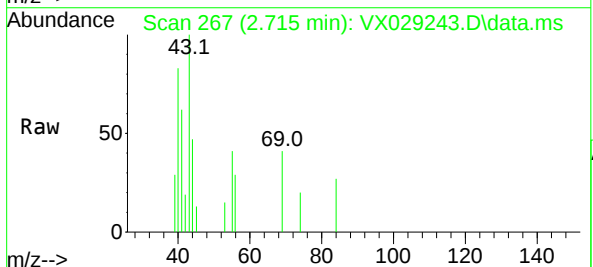
Instrument :
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ClientSampleId :
MW-4

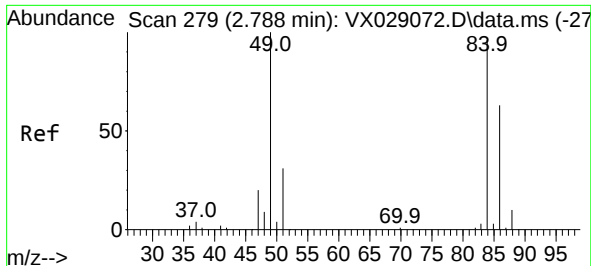
Tgt Ion: 43 Resp: 13944
Ion Ratio Lower Upper
43 100
58 35.0 28.8 43.2



#18
Methyl Acetate
Concen: 0.414 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

Tgt Ion: 43 Resp: 1383
Ion Ratio Lower Upper
43 100
74 13.6 22.8 34.2#

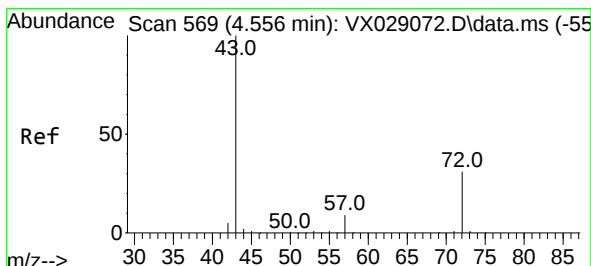
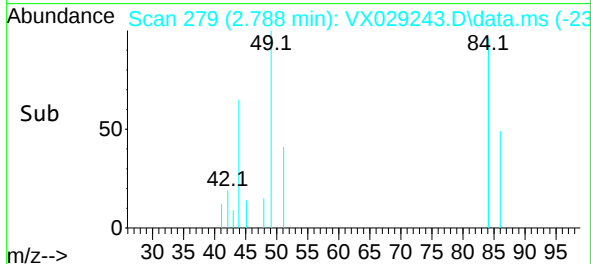
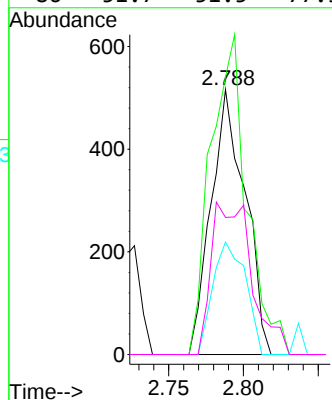
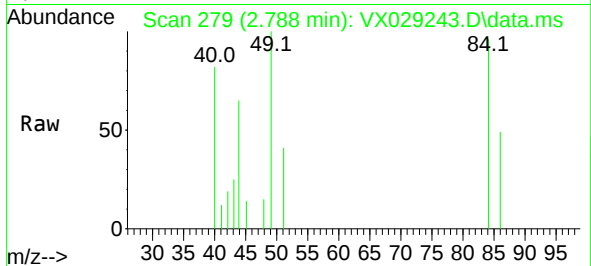




#20
Methylene Chloride
Concen: 0.272 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

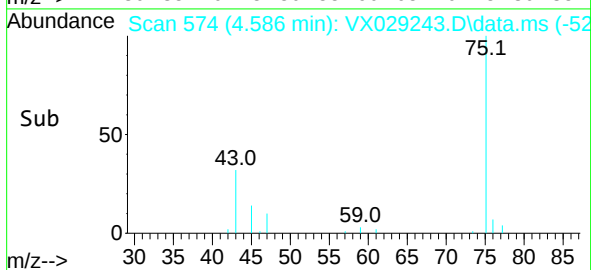
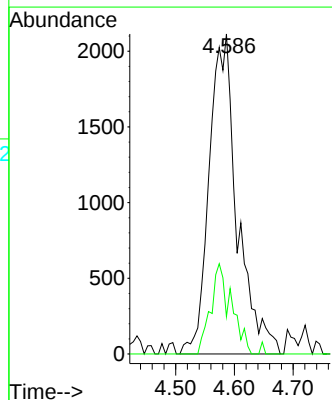
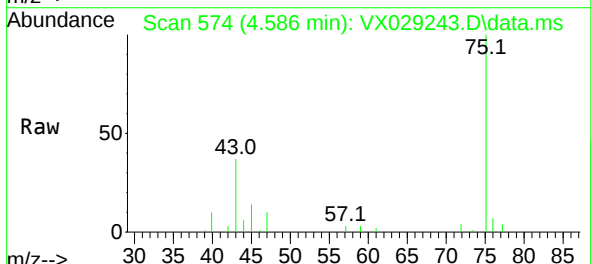
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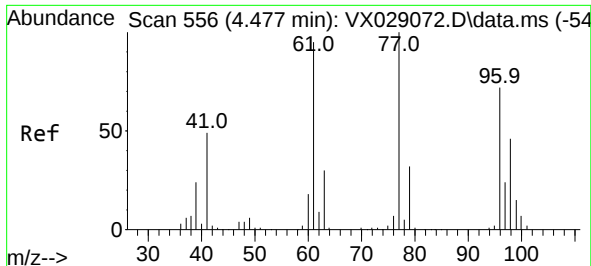
Tgt Ion: 84	Resp: 819
Ion Ratio	Lower Upper
84 100	
49 104.7	85.5 128.3
51 42.4	26.6 39.8#
86 51.7	51.5 77.3



#25
2-Butanone
Concen: 3.364 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

Tgt Ion: 43	Resp: 7011		
Ion Ratio	Lower	Upper	
43 100			
72 11.7	24.4	36.6#	





#26

2,2-Dichloropropane

Concen: 0.218 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.103 min

Lab File: VX029243.D

Acq: 06 Jun 2022 17:07

Instrument :

MSVOA_X

ClientSampleId :

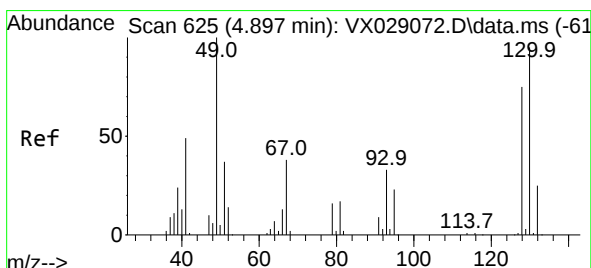
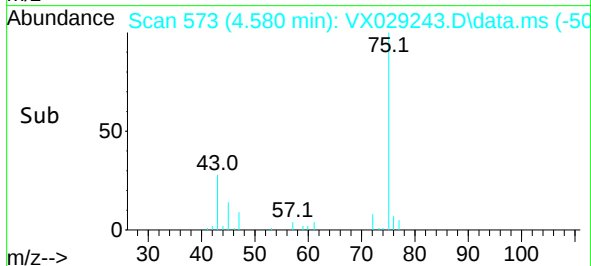
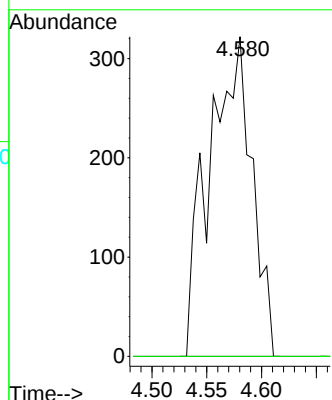
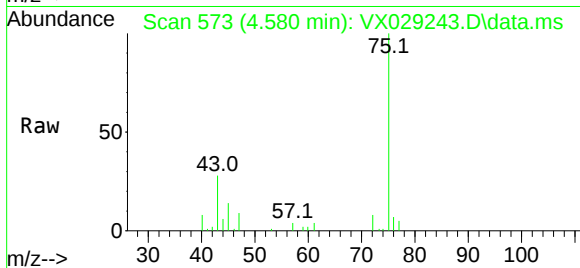
MW-4

Tgt Ion: 77 Resp: 870

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#28

Bromochloromethane

Concen: 4.493 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.195 min

Lab File: VX029243.D

Acq: 06 Jun 2022 17:07

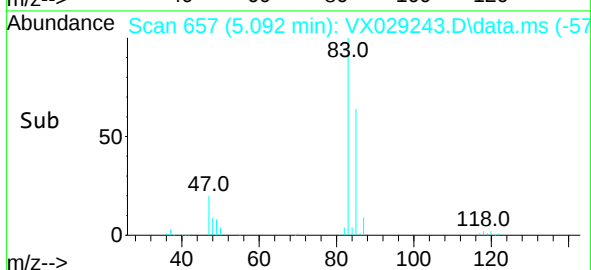
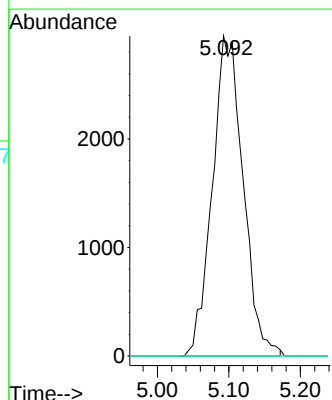
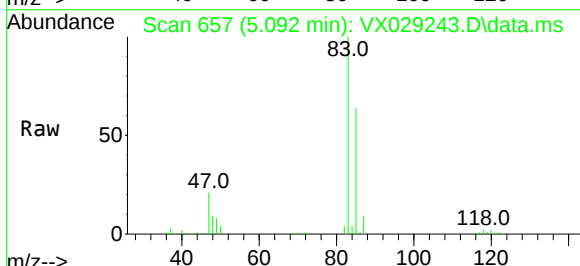
Tgt Ion: 49 Resp: 8812

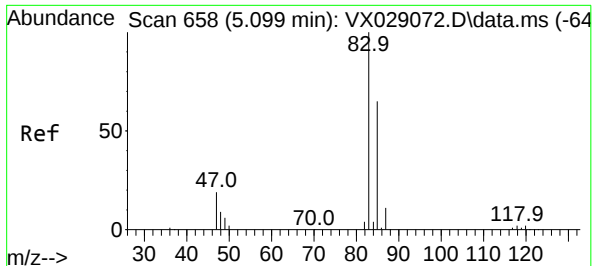
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

130 0.0 70.7 106.1#





#30

Chloroform

Concen: 23.160 ug/l

RT: 5.099 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX029243.D

Acq: 06 Jun 2022 17:07

Instrument :

MSVOA_X

ClientSampleId :

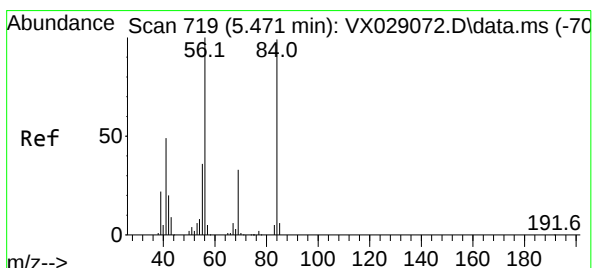
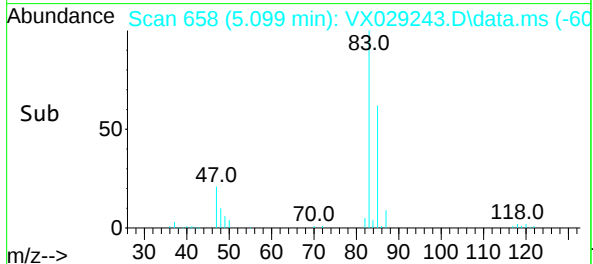
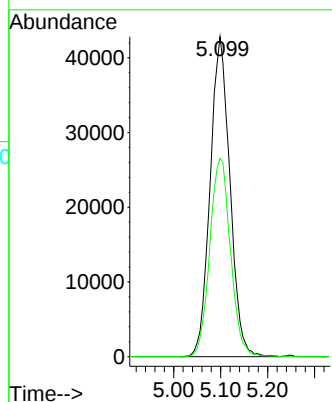
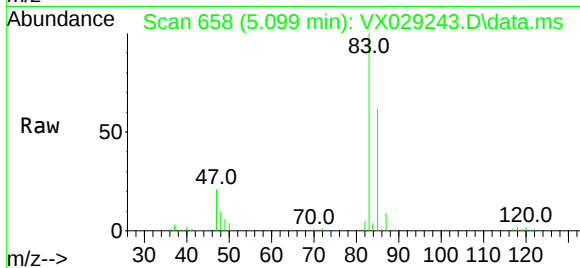
MW-4

Tgt Ion: 83 Resp: 125154

Ion Ratio Lower Upper

83 100

85 61.9 52.7 79.1



#31

Cyclohexane

Concen: 1.386 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX029243.D

Acq: 06 Jun 2022 17:07

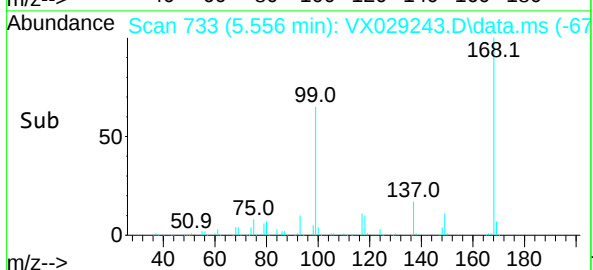
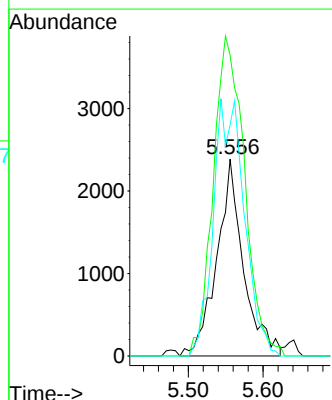
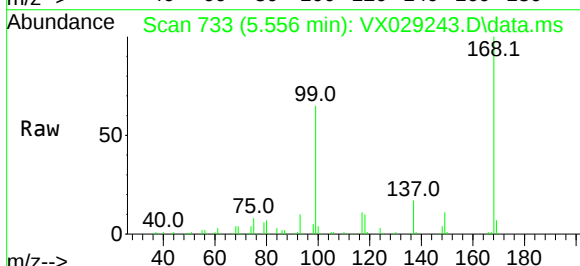
Tgt Ion: 56 Resp: 5911

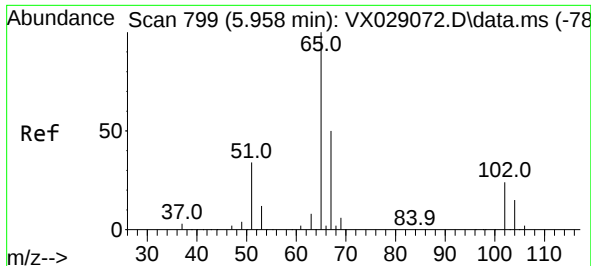
Ion Ratio Lower Upper

56 100

69 152.7 26.7 40.1#

84 117.5 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 61.676 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029243.D

Acq: 06 Jun 2022 17:07

Instrument :

MSVOA_X

ClientSampleId :

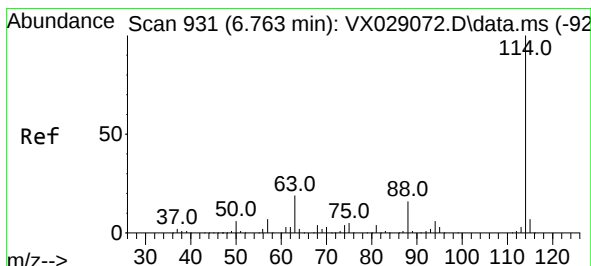
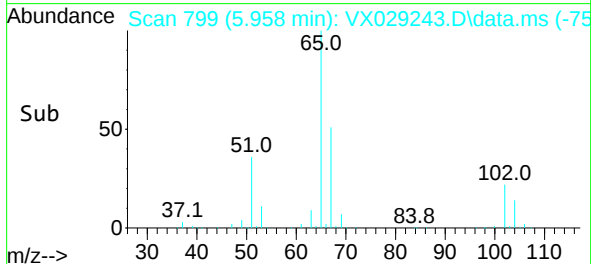
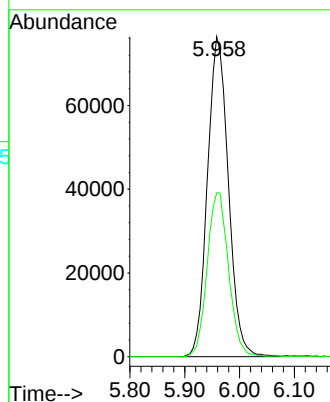
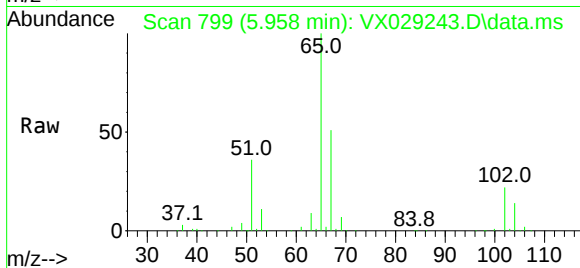
MW-4

Tgt Ion: 65 Resp: 202387

Ion Ratio Lower Upper

65 100

67 52.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX029243.D

Acq: 06 Jun 2022 17:07

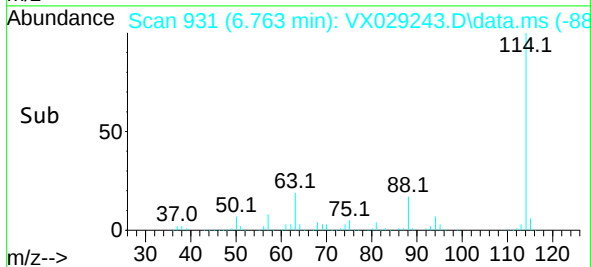
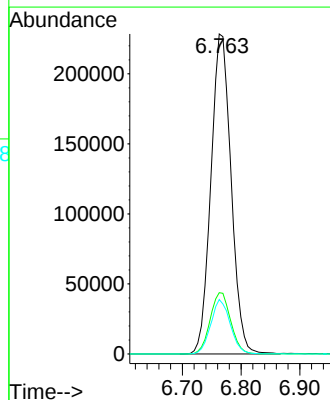
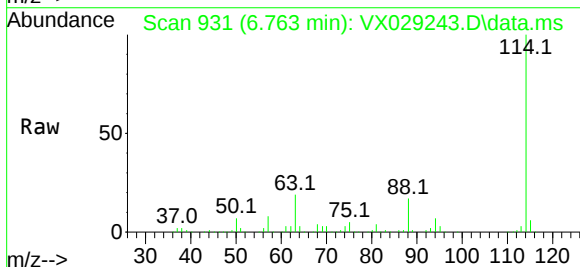
Tgt Ion: 114 Resp: 545608

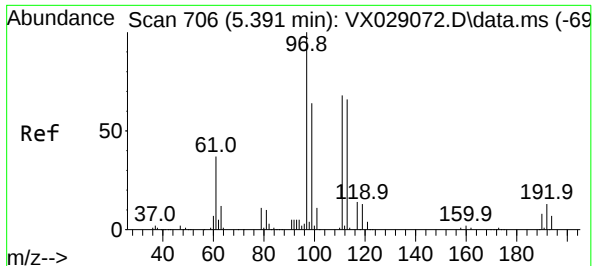
Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.8

88 17.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.115 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX029243.D

Acq: 06 Jun 2022 17:07

Instrument :

MSVOA_X

ClientSampleId :

MW-4

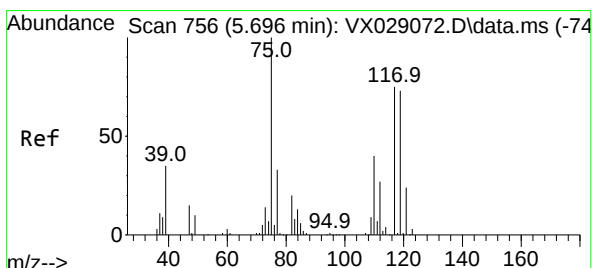
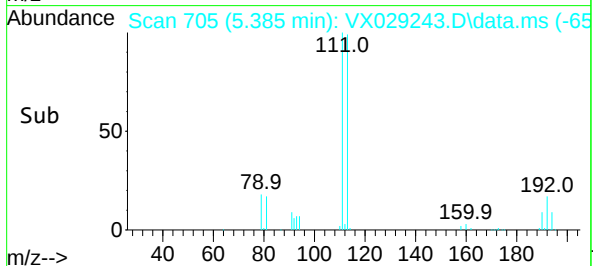
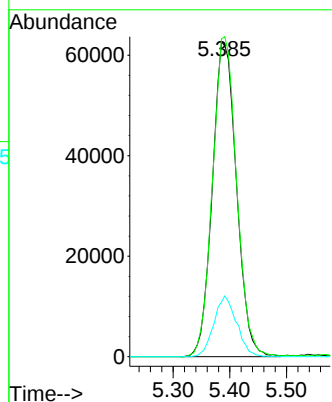
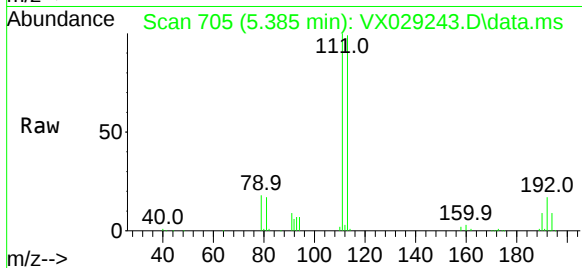
Tgt Ion:113 Resp: 185243

Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

192 18.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.960 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029243.D

Acq: 06 Jun 2022 17:07

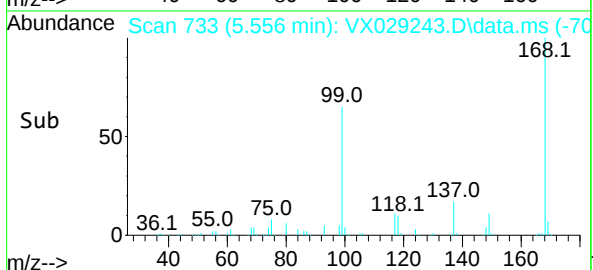
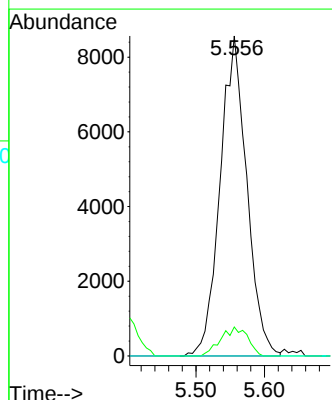
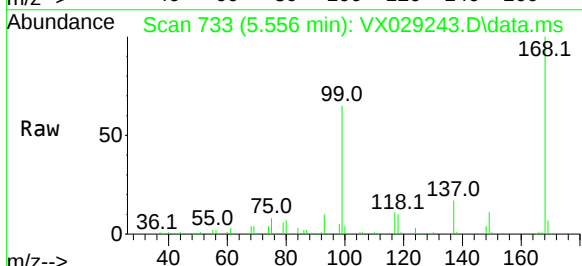
Tgt Ion: 75 Resp: 23127

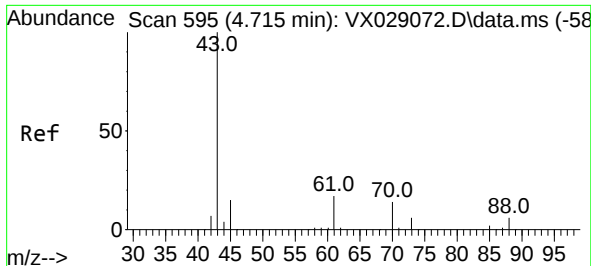
Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.551 ug/l

RT: 4.586 min Scan# 51

Delta R.T. -0.129 min

Lab File: VX029243.D

Acq: 06 Jun 2022 17:07

Instrument :

MSVOA_X

ClientSampleId :

MW-4

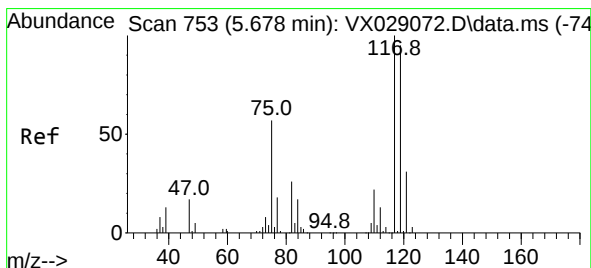
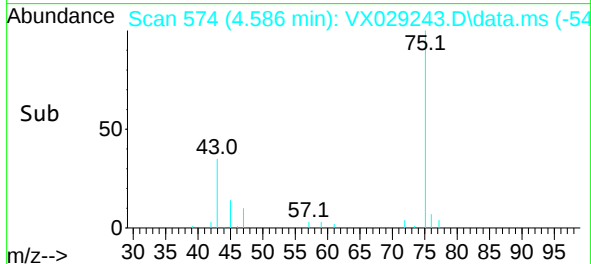
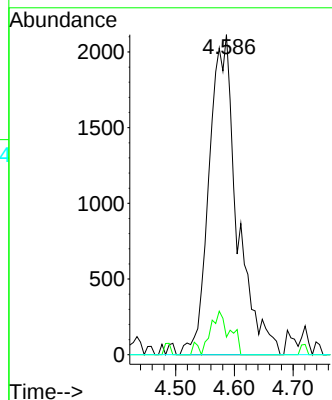
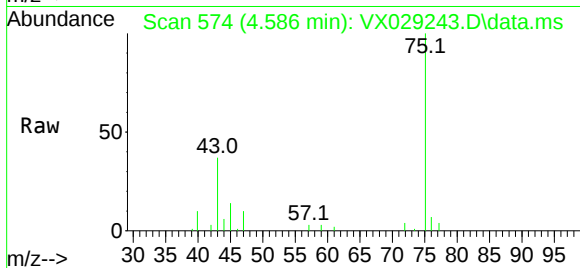
Tgt Ion: 43 Resp: 7011

Ion Ratio Lower Upper

43 100

61 9.1 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.740 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX029243.D

Acq: 06 Jun 2022 17:07

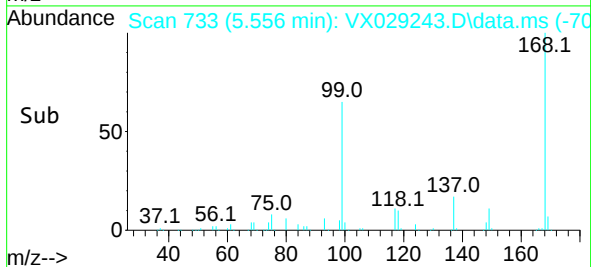
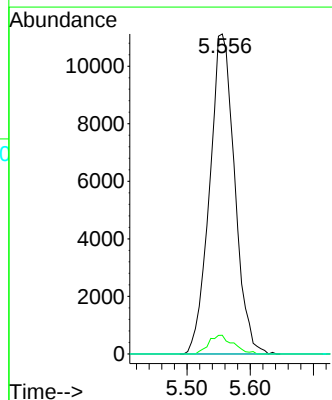
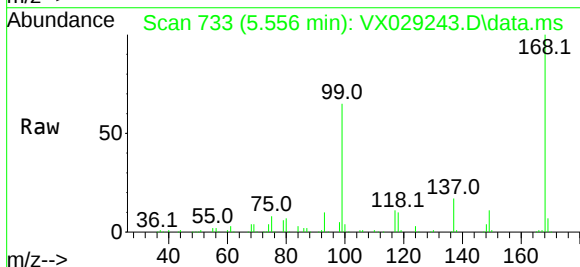
Tgt Ion: 117 Resp: 30588

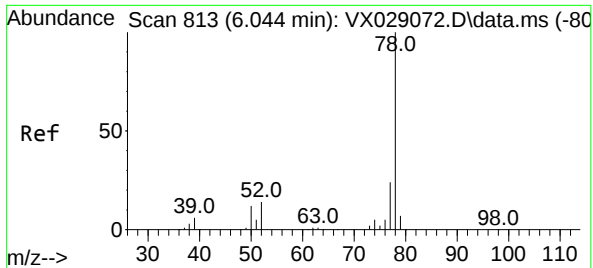
Ion Ratio Lower Upper

117 100

119 5.8 77.3 115.9#

121 0.0 24.2 36.2#





#40

Benzene

Concen: 0.368 ug/l

RT: 6.050 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX029243.D

Acq: 06 Jun 2022 17:07

Instrument :

MSVOA_X

ClientSampleId :

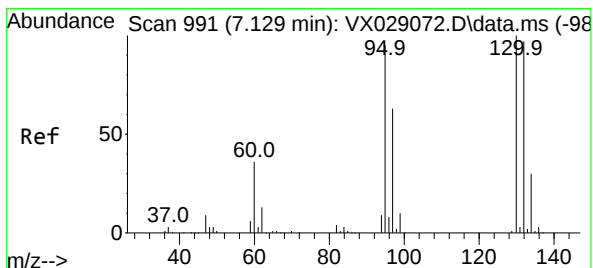
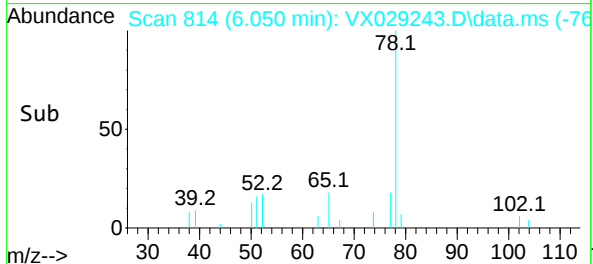
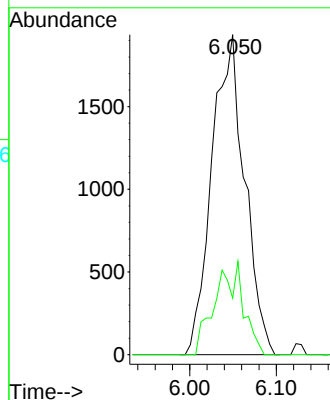
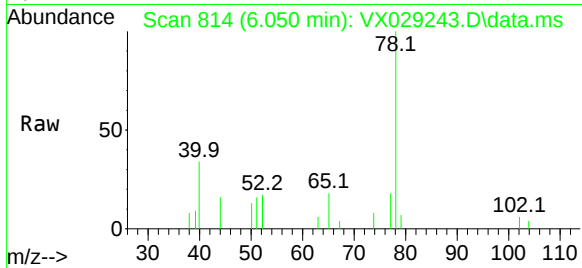
MW-4

Tgt Ion: 78 Resp: 5078

Ion Ratio Lower Upper

78 100

77 17.7 19.3 28.9#



#44

Trichloroethene

Concen: Below Cal

RT: 7.123 min Scan# 990

Delta R.T. -0.006 min

Lab File: VX029243.D

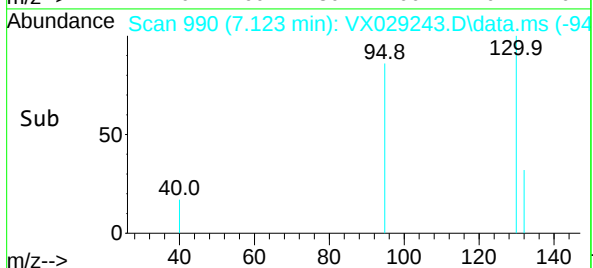
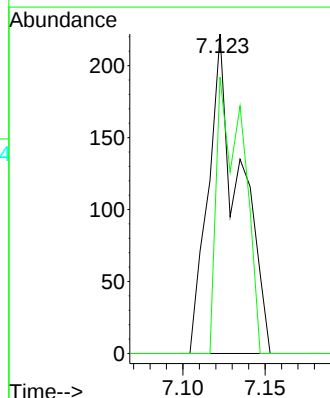
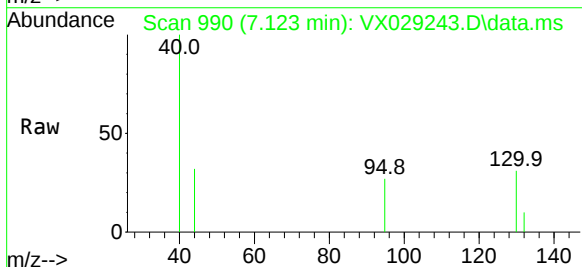
Acq: 06 Jun 2022 17:07

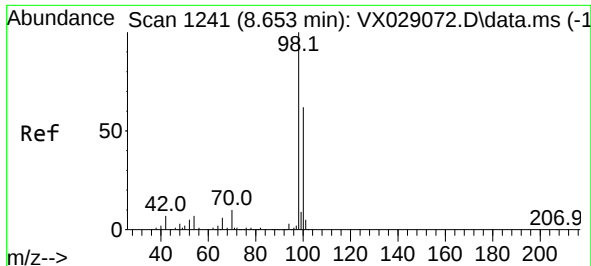
Tgt Ion:130 Resp: 298

Ion Ratio Lower Upper

130 100

95 86.5 0.0 188.8

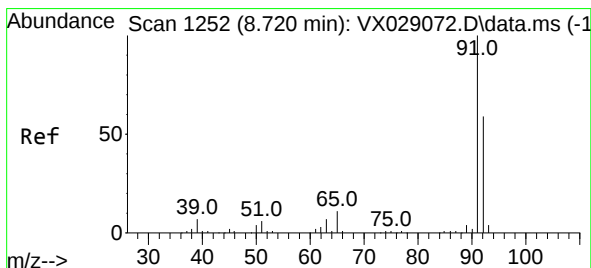
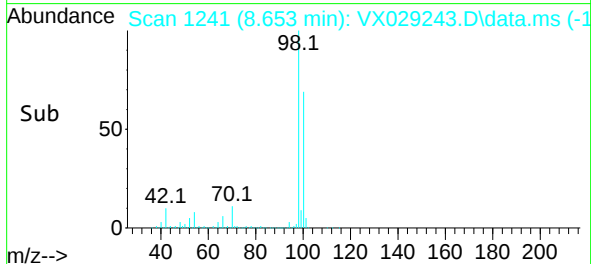
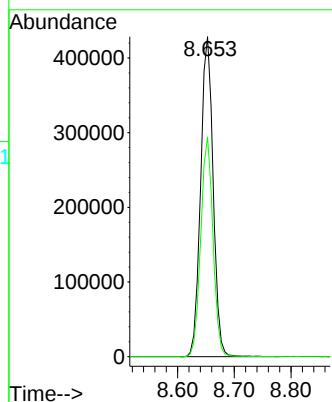
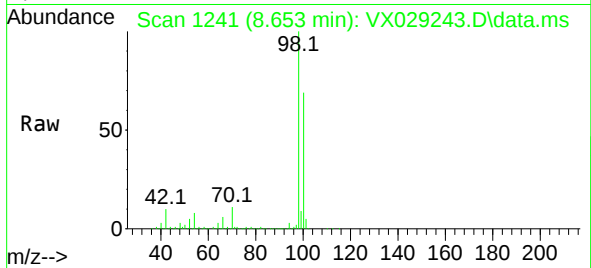




#50
Toluene-d8
Concen: 49.389 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

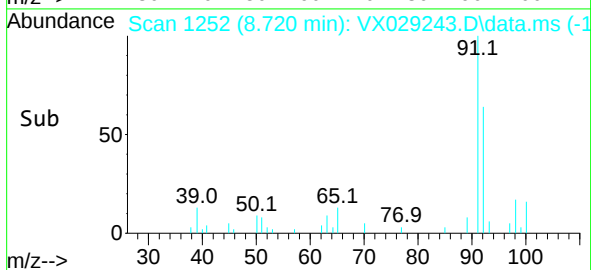
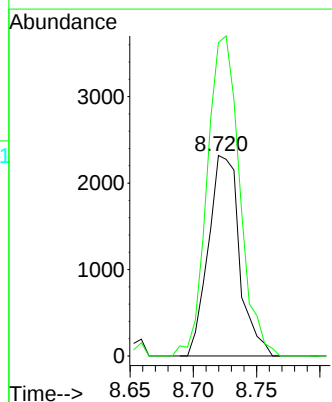
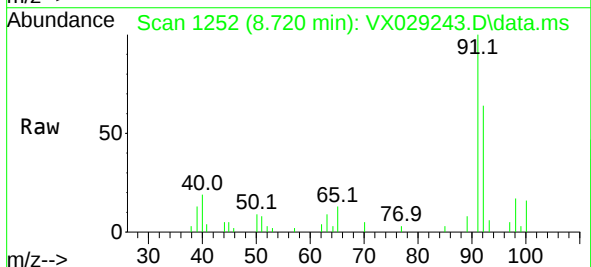
Instrument :
MSVOA_X
ClientSampleId :
MW-4

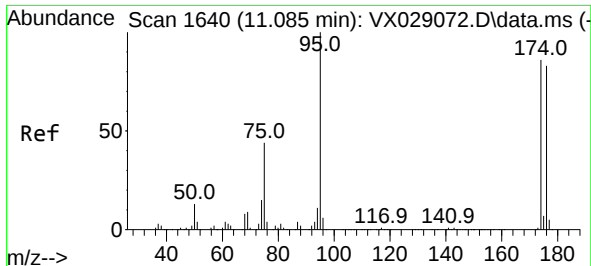
Tgt Ion: 98 Resp: 654631
Ion Ratio Lower Upper
98 100
100 67.2 52.6 78.8



#52
Toluene
Concen: 0.429 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

Tgt Ion: 92 Resp: 3959
Ion Ratio Lower Upper
92 100
91 166.5 137.5 206.3

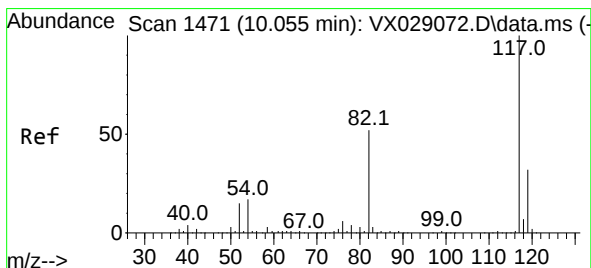
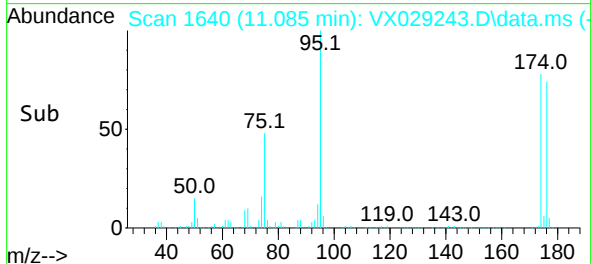
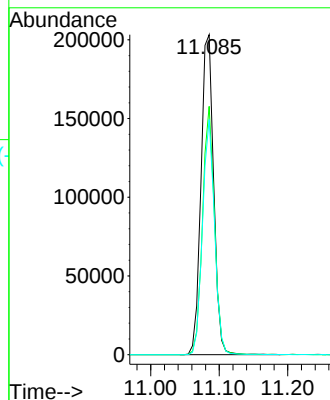
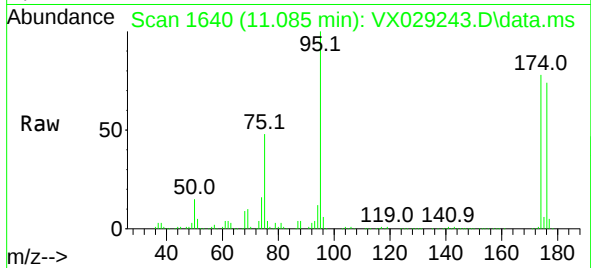




#62
4-Bromofluorobenzene
Concen: 51.150 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

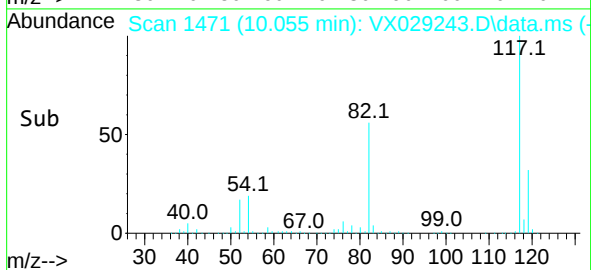
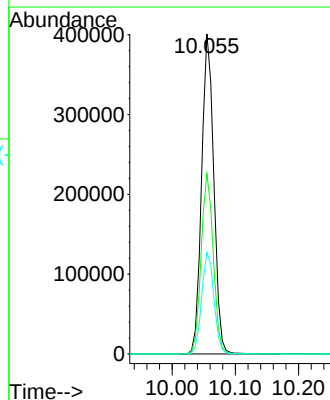
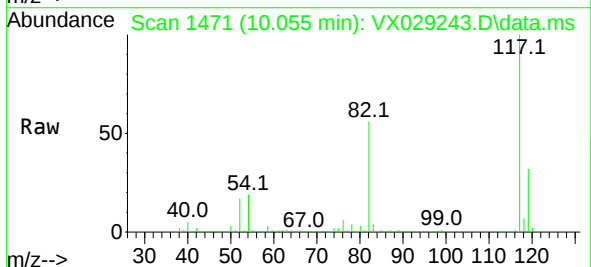
Instrument :
MSVOA_X
ClientSampleId :
MW-4

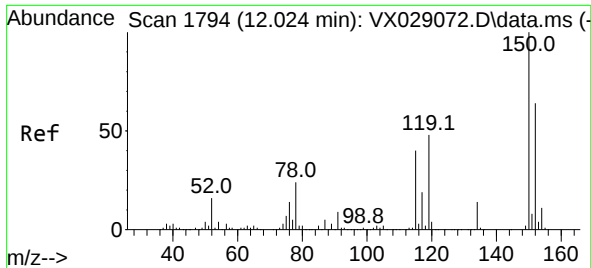
Tgt Ion: 95 Resp: 262074
Ion Ratio Lower Upper
95 100
174 73.0 0.0 163.0
176 69.7 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

Tgt Ion: 117 Resp: 538165
Ion Ratio Lower Upper
117 100
82 56.3 41.8 62.8
119 31.7 24.8 37.2

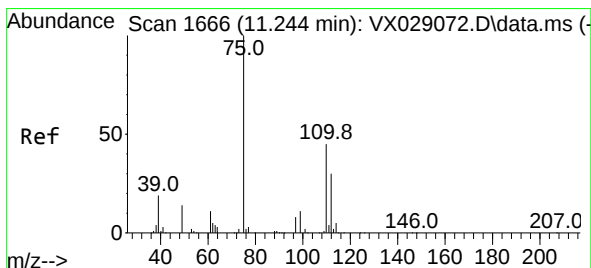
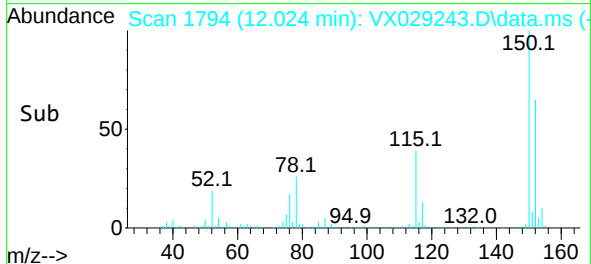
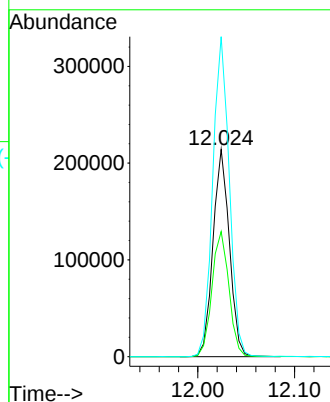
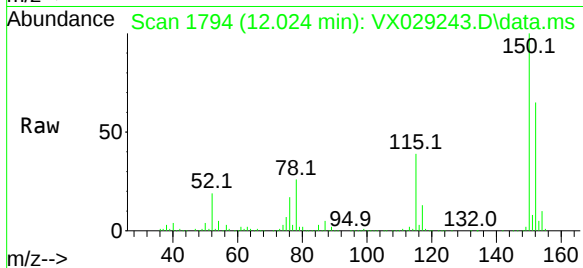




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

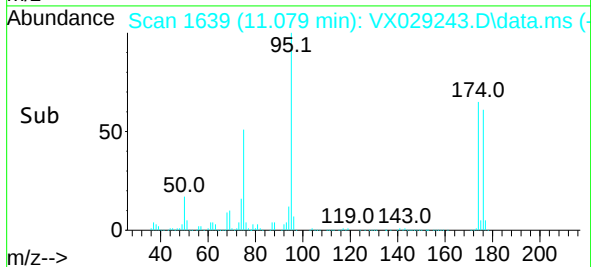
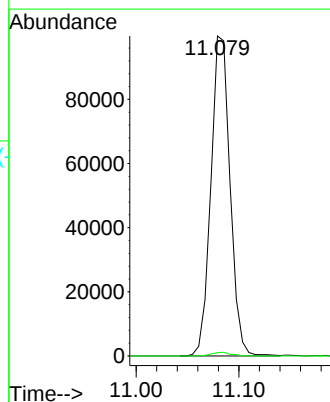
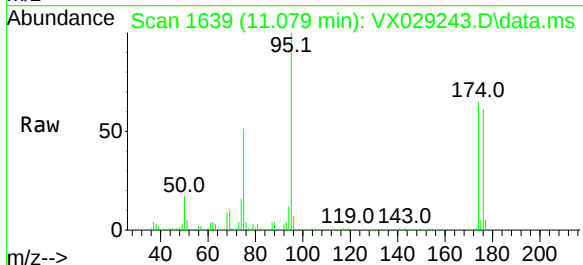
Instrument :
MSVOA_X
ClientSampleId :
MW-4

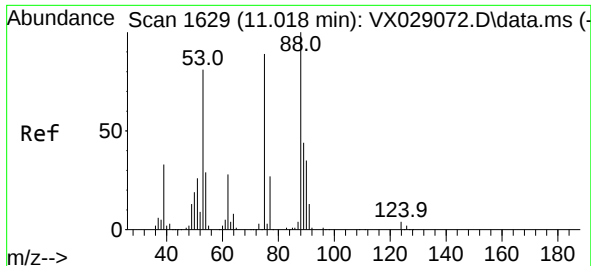
Tgt Ion:152 Resp: 252250
Ion Ratio Lower Upper
152 100
115 62.5 37.5 112.7
150 155.9 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 25.318 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029243.D
Acq: 06 Jun 2022 17:07

Tgt Ion: 75 Resp: 129465
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#

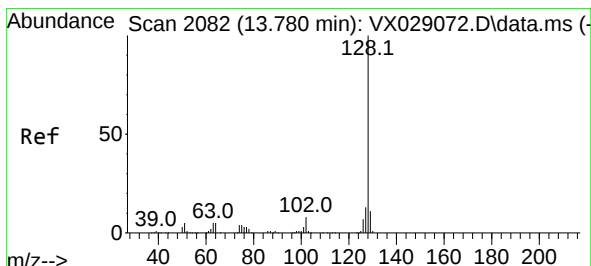
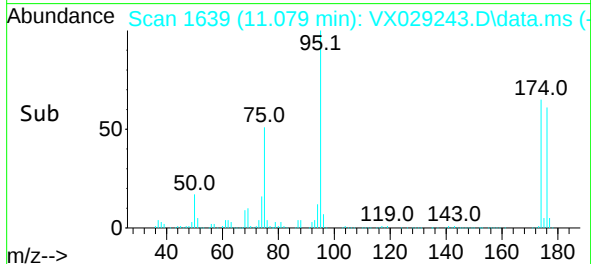
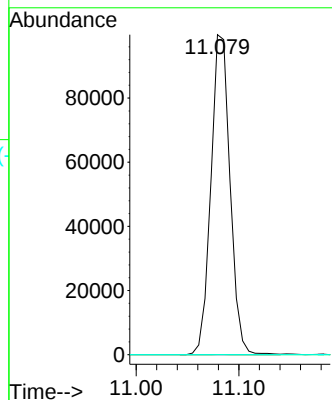
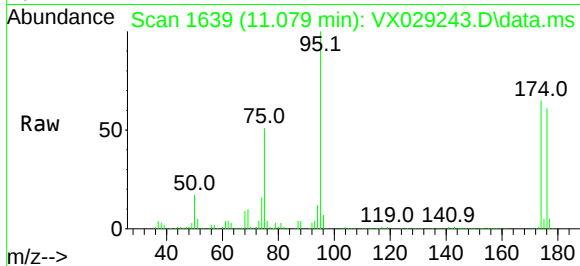




#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.278 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX029243.D
 Acq: 06 Jun 2022 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Tgt Ion: 75 Resp: 129465
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#



#95
 Naphthalene
 Concen: 0.202 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. -0.000 min
 Lab File: VX029243.D
 Acq: 06 Jun 2022 17:07

Tgt Ion: 128 Resp: 3389
 Ion Ratio Lower Upper
 128 100
 127 12.2 10.2 15.4
 129 13.2 8.7 13.1#

