

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062122\
 Data File : VX029682.D
 Acq On : 21 Jun 2022 23:09
 Operator : JC/MD
 Sample : N3286-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7D

Quant Time: Jun 22 01:14:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

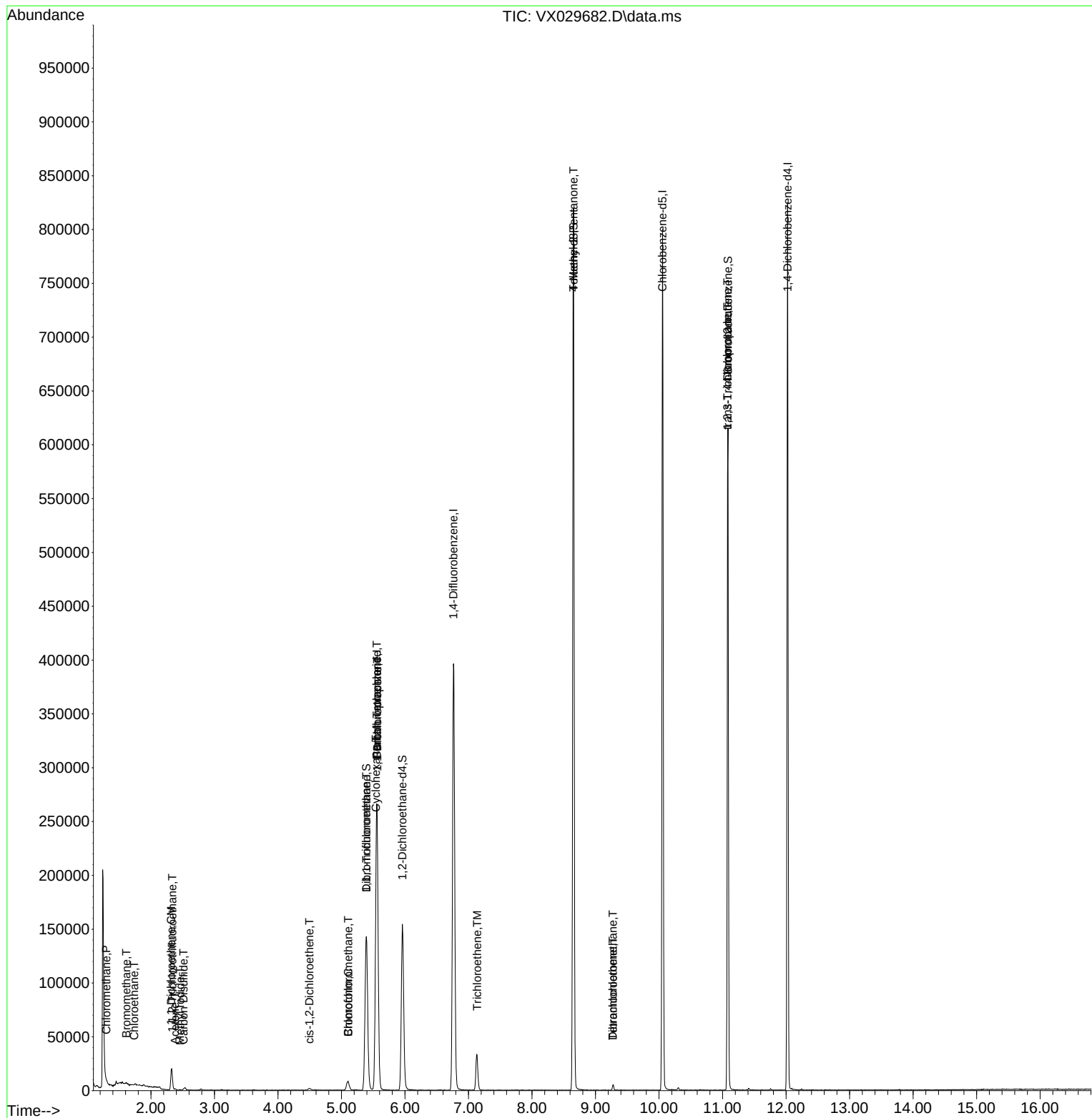
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	258960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	435139	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	380900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	168729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	144512	42.157	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.320%
35) Dibromofluoromethane	5.391	113	128808	45.423	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.840%
50) Toluene-d8	8.653	98	494779	47.761	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.520%
62) 4-Bromofluorobenzene	11.085	95	178855	45.782	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.560%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1114	0.330	ug/l #	83
5) Bromomethane	1.611	94	511	0.322	ug/l	98
6) Chloroethane	1.733	64	648	1.552	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.337	101	3990	1.468	ug/l	92
10) Methyl Iodide	2.459	142	321	3.115	ug/l #	87
11) Tert butyl alcohol	2.953	59	57	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	4664	1.778	ug/l	94
16) Acetone	2.380	43	1125	0.823	ug/l	92
17) Carbon Disulfide	2.514	76	1382	0.203	ug/l	95
27) cis-1,2-Dichloroethene	4.495	96	1354	0.404	ug/l	85
28) Bromochloromethane	5.105	49	787	0.409	ug/l #	7
30) Chloroform	5.105	83	10499	1.969	ug/l	97
31) Cyclohexane	5.544	56	5018	1.090	ug/l #	35
32) 1,1,1-Trichloroethane	5.391	97	1510	0.321	ug/l #	49
36) 1,1-Dichloropropene	5.562	75	19159	4.992	ug/l #	51
38) Carbon Tetrachloride	5.556	117	26156	6.930	ug/l #	15
44) Trichloroethene	7.135	130	13745	3.206	ug/l	99
51) 4-Methyl-2-Pentanone	8.653	43	1778	0.451	ug/l #	1
60) Dibromochloromethane	9.275	129	968	0.338	ug/l #	9
64) Tetrachloroethene	9.275	164	905	0.329	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	85052	23.139	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	85052	76.976	ug/l #	15

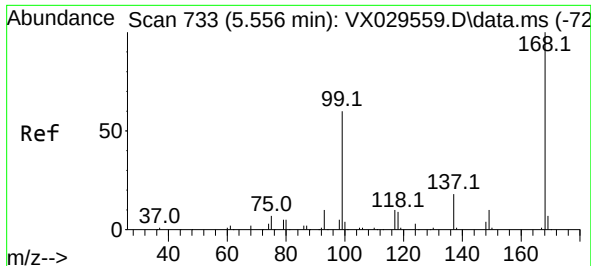
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 22 01:14:21 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 20 01:31:01 2022
Response via : Initial Calibration

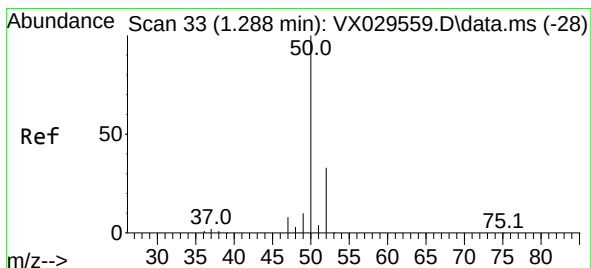
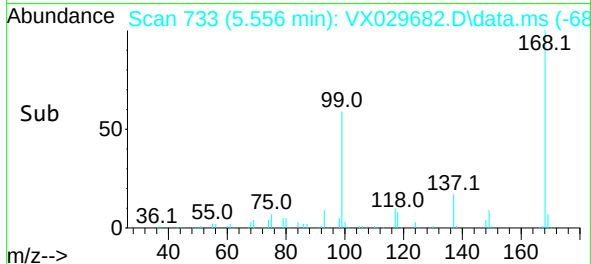
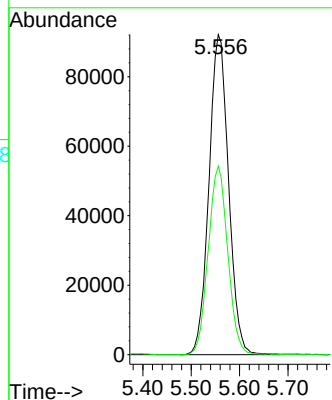
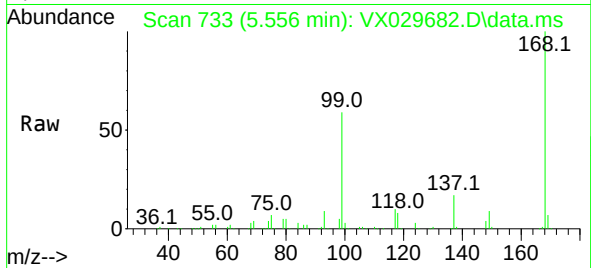




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

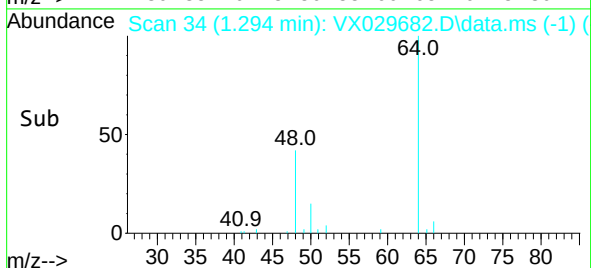
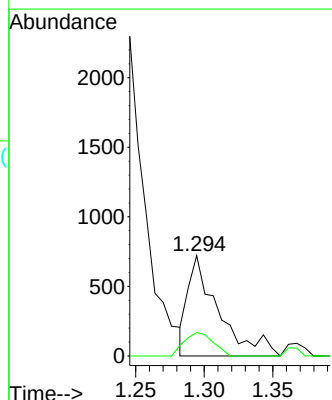
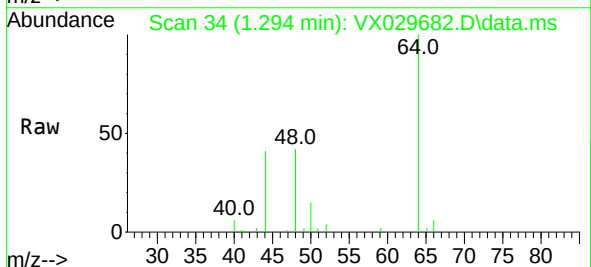
Instrument :
MSVOA_X
ClientSampleId :
MW-7D

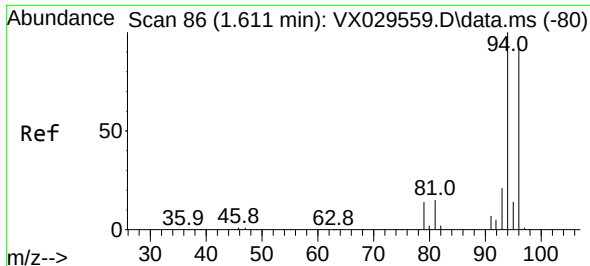
Tgt Ion:168 Resp: 258960
Ion Ratio Lower Upper
168 100
99 59.0 41.7 62.5



#3
Chloromethane
Concen: 0.330 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

Tgt Ion: 50 Resp: 1114
Ion Ratio Lower Upper
50 100
52 23.4 26.4 39.6#

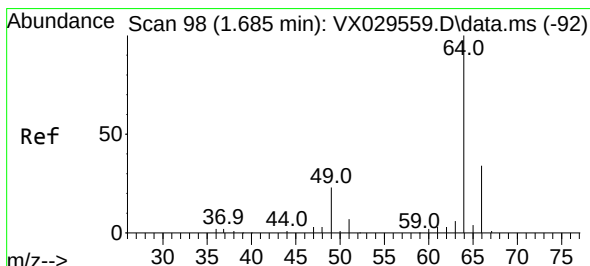
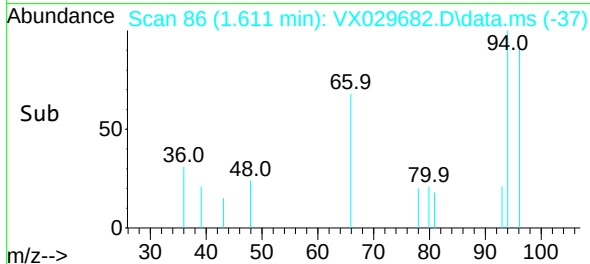
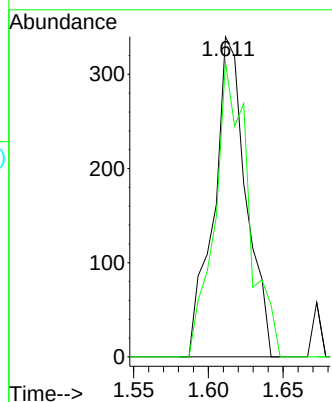
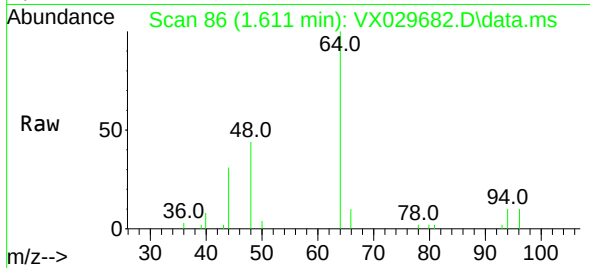




#5
Bromomethane
Concen: 0.322 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

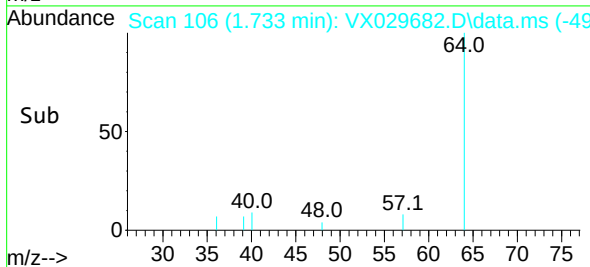
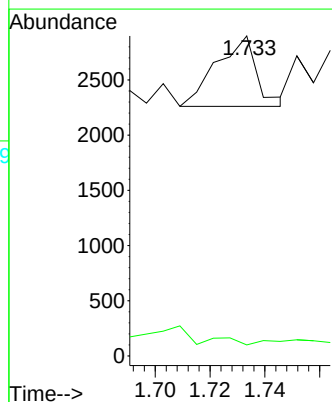
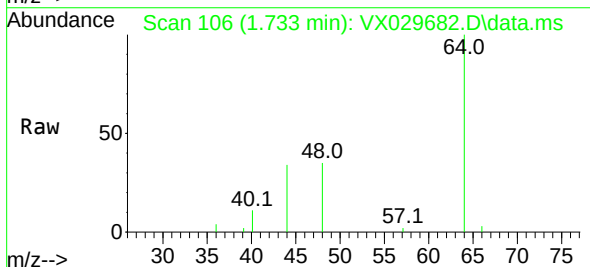
Instrument :
MSVOA_X
ClientSampleId :
MW-7D

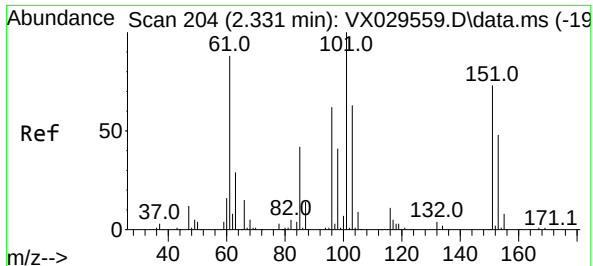
Tgt Ion: 94 Resp: 511
Ion Ratio Lower Upper
94 100
96 92.1 75.3 112.9



#6
Chloroethane
Concen: 1.552 ug/l
RT: 1.733 min Scan# 106
Delta R.T. 0.048 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

Tgt Ion: 64 Resp: 648
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

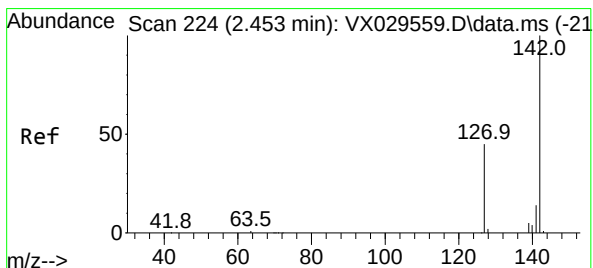
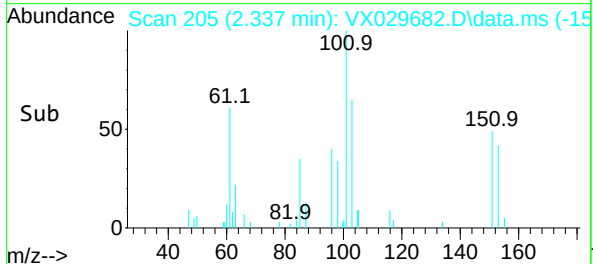
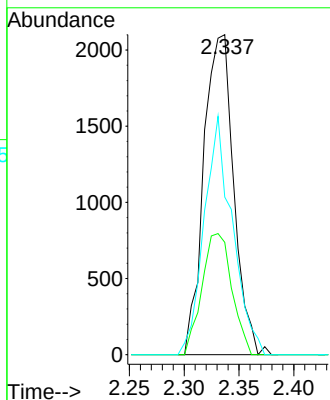
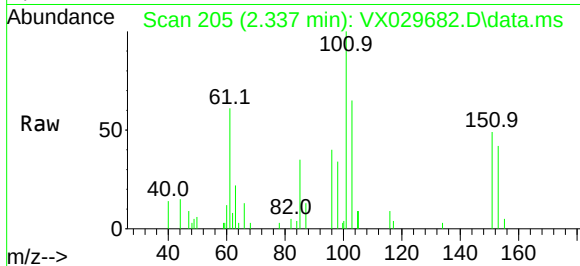




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.468 ug/l
RT: 2.337 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

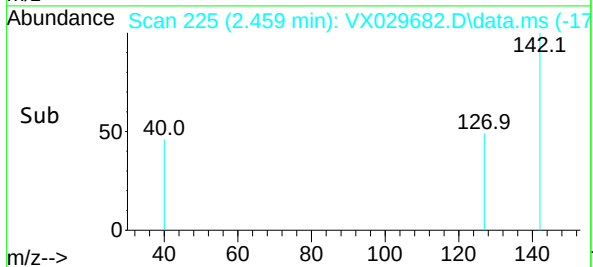
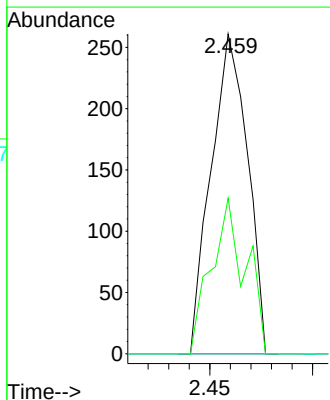
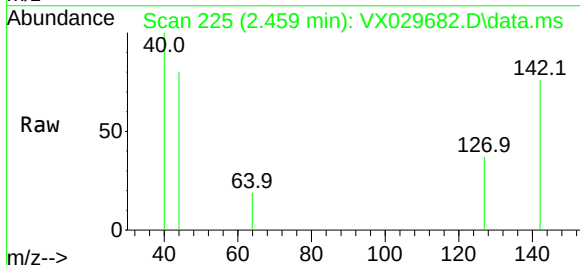
Instrument :
MSVOA_X
ClientSampleId :
MW-7D

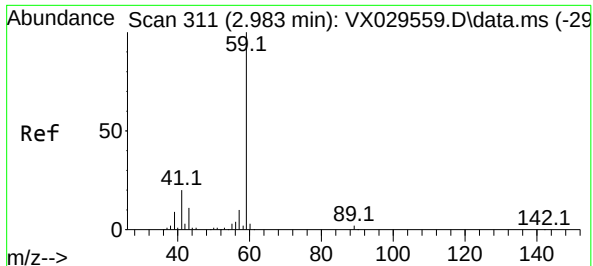
Tgt Ion:101 Resp: 3990
Ion Ratio Lower Upper
101 100
85 37.8 33.5 50.3
151 70.2 61.8 92.6



#10
Methyl Iodide
Concen: 3.115 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

Tgt Ion:142 Resp: 321
Ion Ratio Lower Upper
142 100
127 46.1 33.9 50.9
141 0.0 11.4 17.2#

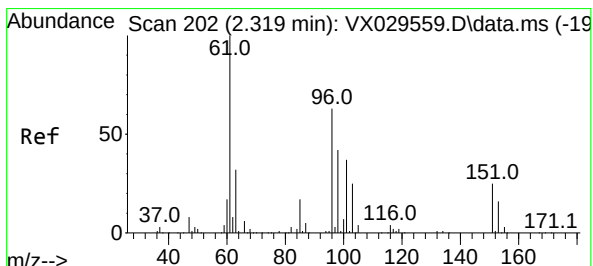
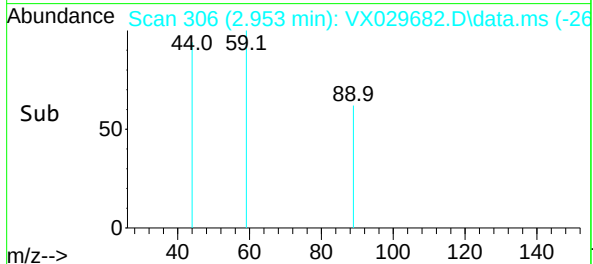
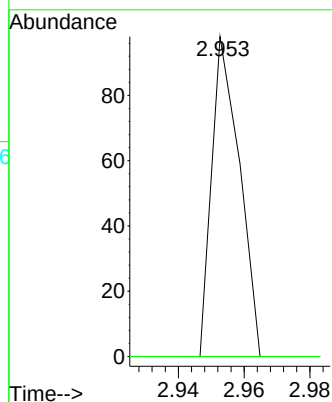
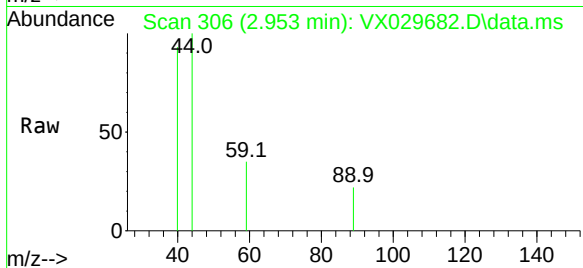




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

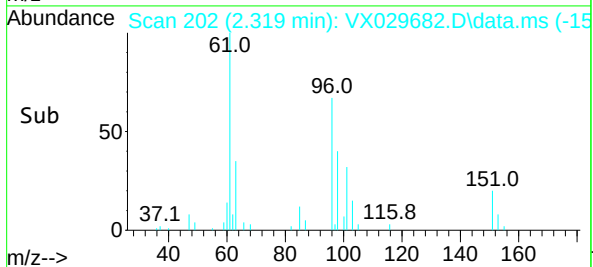
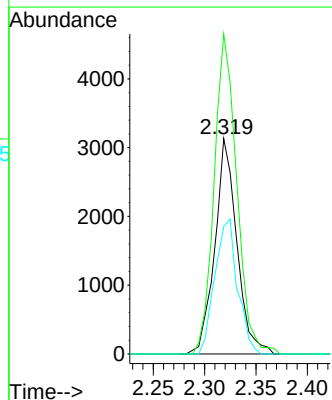
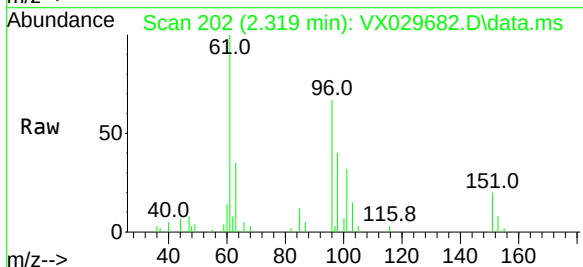
Instrument :
MSVOA_X
ClientSampleId :
MW-7D

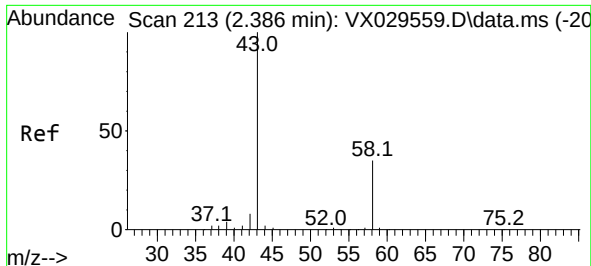
Tgt Ion: 59 Resp: 57
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 1.778 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

Tgt Ion: 96 Resp: 4664
Ion Ratio Lower Upper
96 100
61 148.6 124.6 187.0
98 59.2 51.0 76.4





#16

Acetone

Concen: 0.823 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX029682.D

Acq: 21 Jun 2022 23:09

Instrument :

MSVOA_X

ClientSampleId :

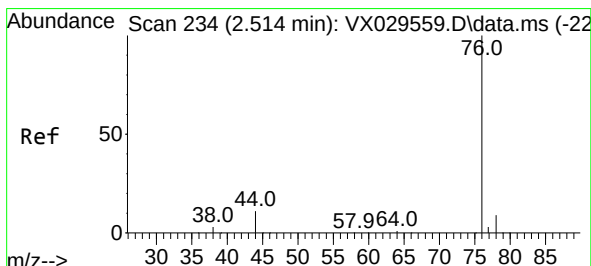
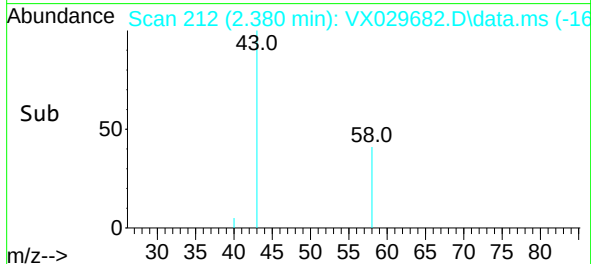
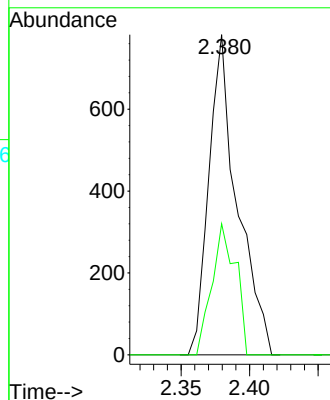
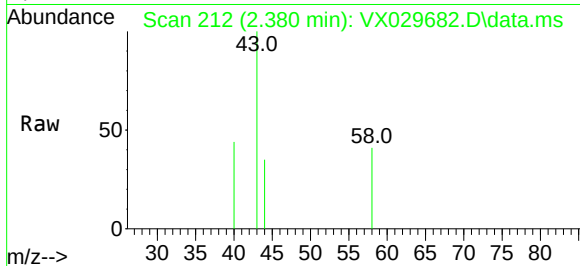
MW-7D

Tgt Ion: 43 Resp: 1125

Ion Ratio Lower Upper

43 100

58 40.9 28.8 43.2



#17

Carbon Disulfide

Concen: 0.203 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX029682.D

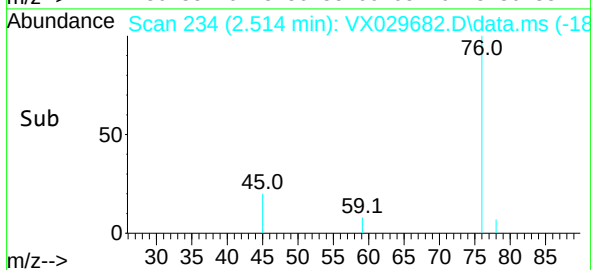
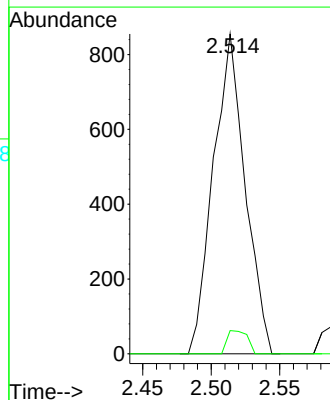
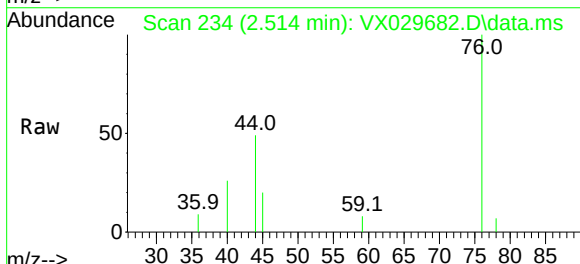
Acq: 21 Jun 2022 23:09

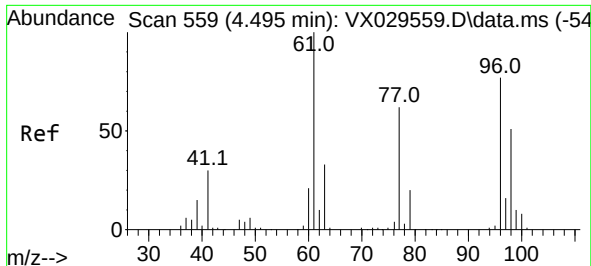
Tgt Ion: 76 Resp: 1382

Ion Ratio Lower Upper

76 100

78 7.3 7.2 10.8





#27

cis-1,2-Dichloroethene

Concen: 0.404 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX029682.D

Acq: 21 Jun 2022 23:09

Instrument :

MSVOA_X

ClientSampleId :

MW-7D

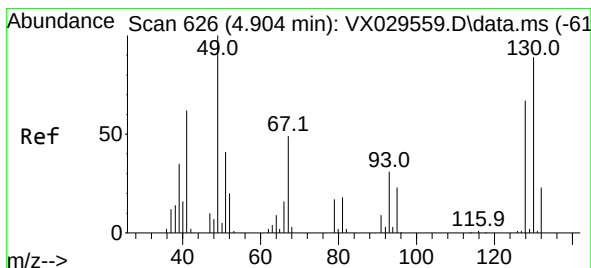
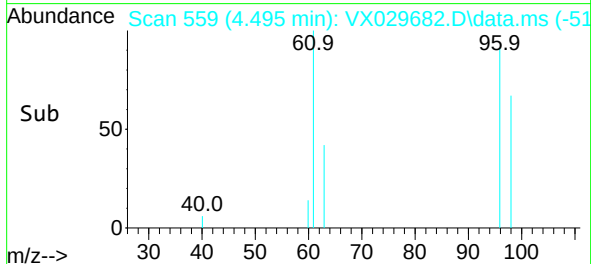
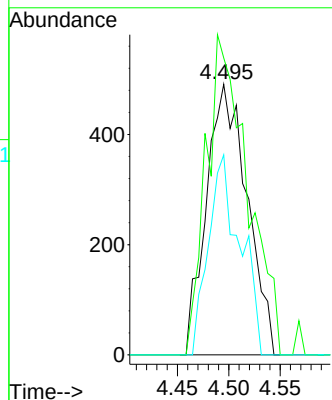
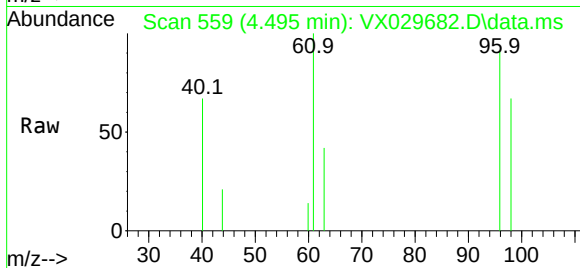
Tgt Ion: 96 Resp: 1354

Ion Ratio Lower Upper

96 100

61 119.7 0.0 283.8

98 57.6 0.0 129.8



#28

Bromochloromethane

Concen: 0.409 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.201 min

Lab File: VX029682.D

Acq: 21 Jun 2022 23:09

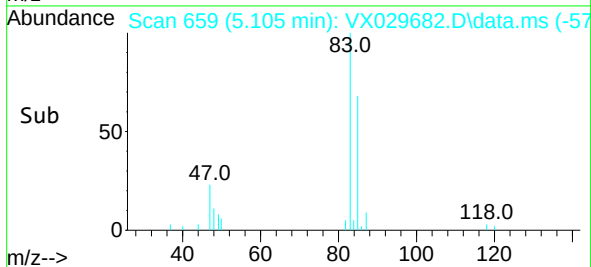
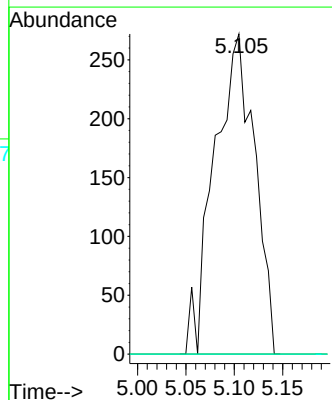
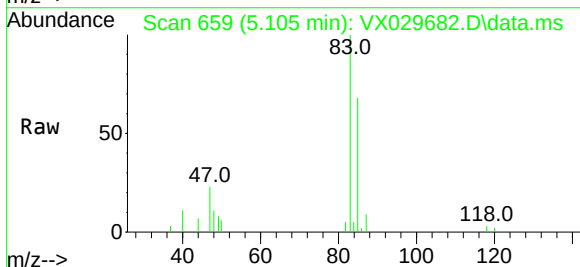
Tgt Ion: 49 Resp: 787

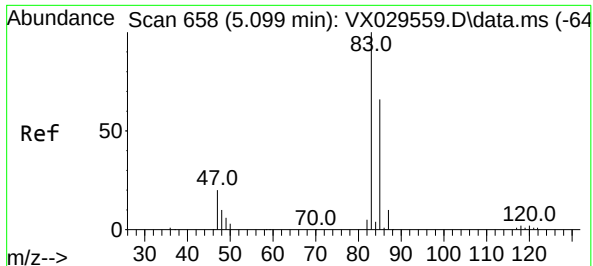
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

130 0.0 70.7 106.1#





#30

Chloroform

Concen: 1.969 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX029682.D

Acq: 21 Jun 2022 23:09

Instrument :

MSVOA_X

ClientSampleId :

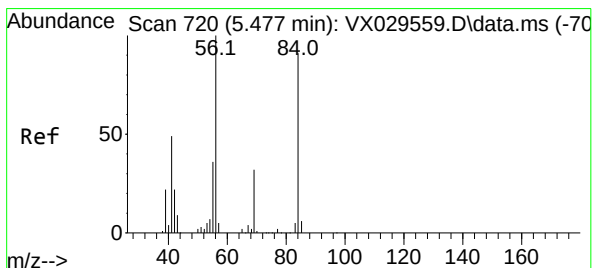
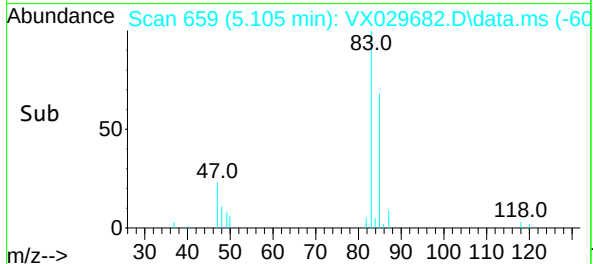
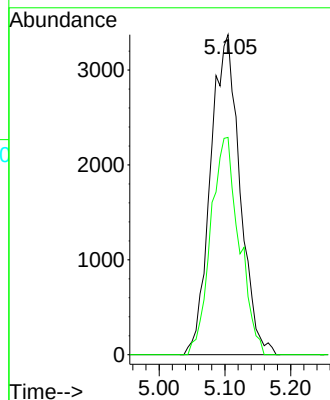
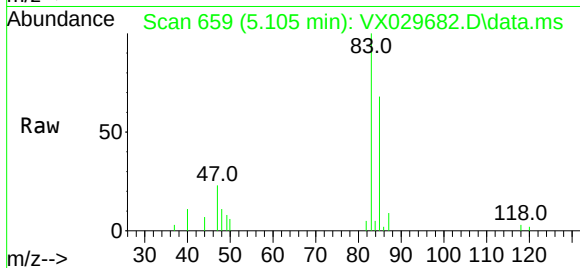
MW-7D

Tgt Ion: 83 Resp: 10499

Ion Ratio Lower Upper

83 100

85 67.9 52.7 79.1



#31

Cyclohexane

Concen: 1.090 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.067 min

Lab File: VX029682.D

Acq: 21 Jun 2022 23:09

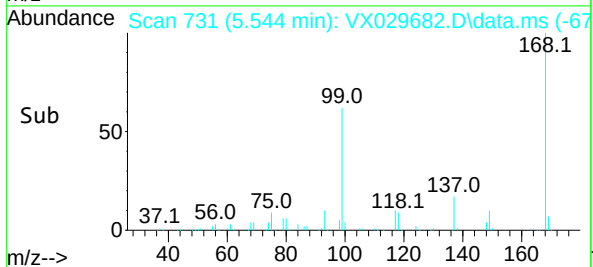
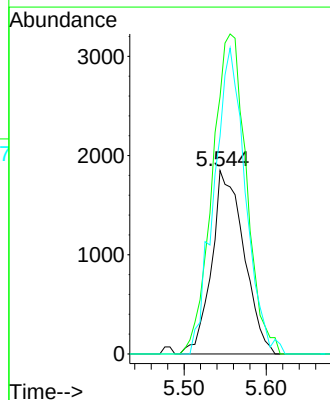
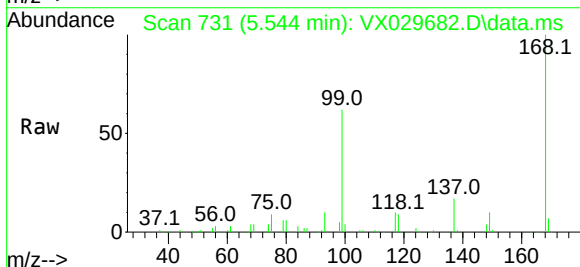
Tgt Ion: 56 Resp: 5018

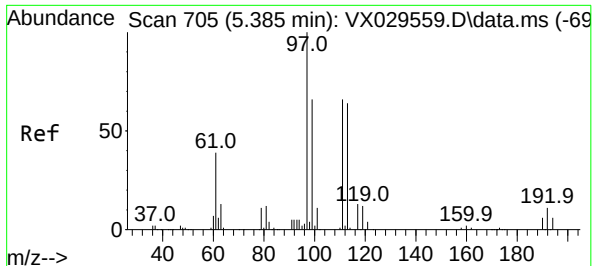
Ion Ratio Lower Upper

56 100

69 140.2 26.7 40.1#

84 118.6 77.2 115.8#





#32

1,1,1-Trichloroethane

Concen: 0.321 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX029682.D

Acq: 21 Jun 2022 23:09

Instrument :

MSVOA_X

ClientSampleId :

MW-7D

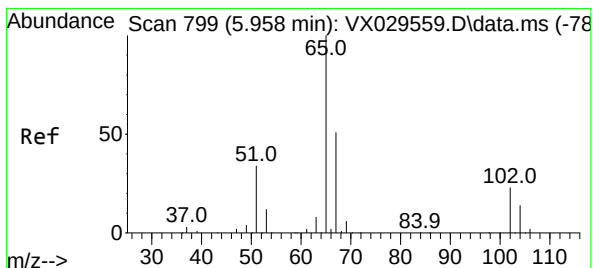
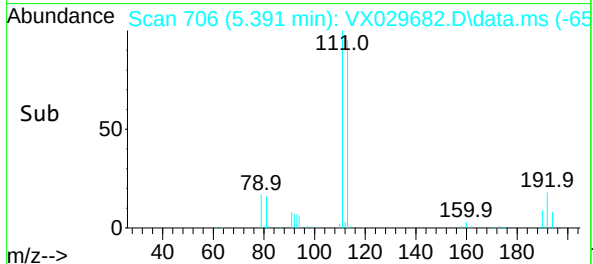
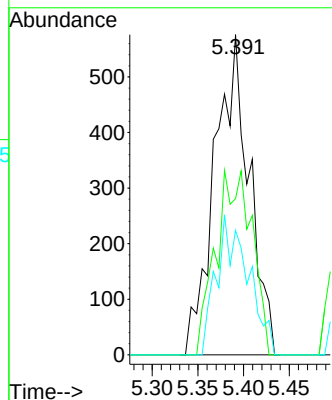
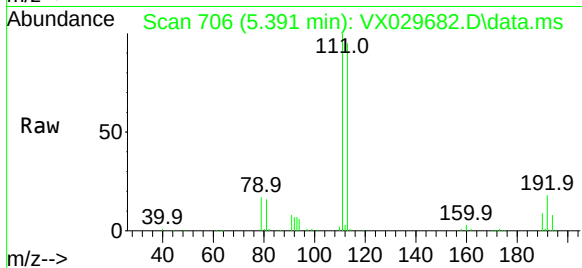
Tgt Ion: 97 Resp: 1510

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.6#

61 40.1 34.0 51.0



#33

1,2-Dichloroethane-d4

Concen: 42.157 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029682.D

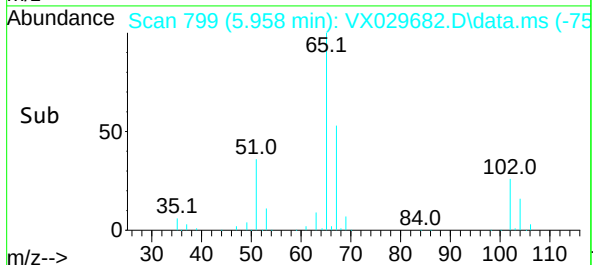
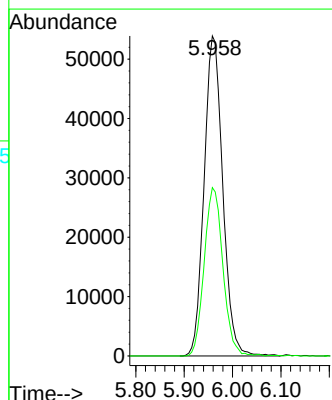
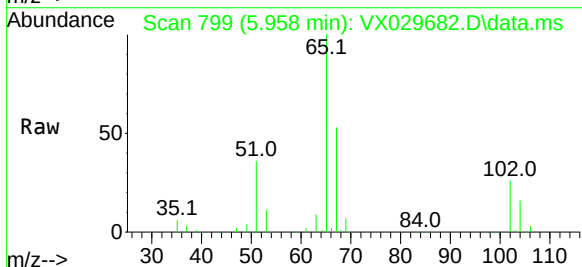
Acq: 21 Jun 2022 23:09

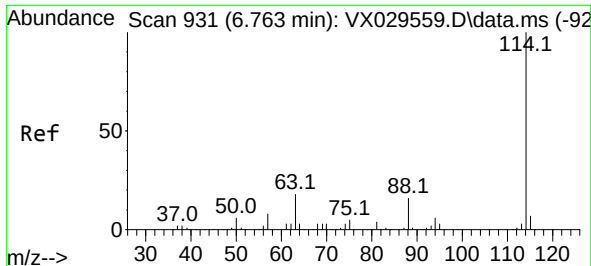
Tgt Ion: 65 Resp: 144512

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.4

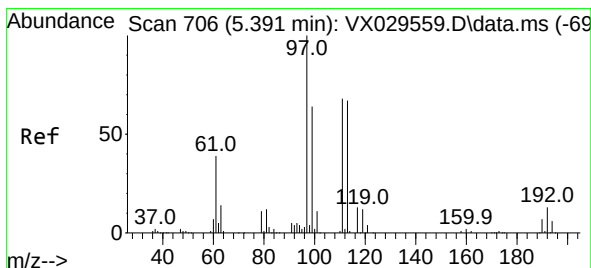
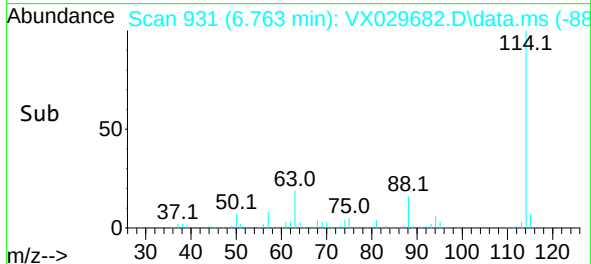
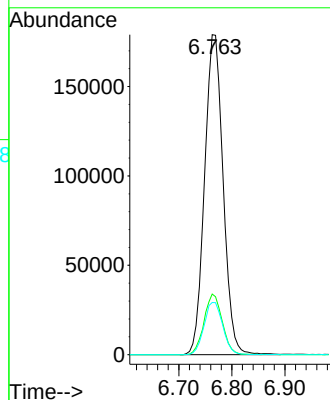
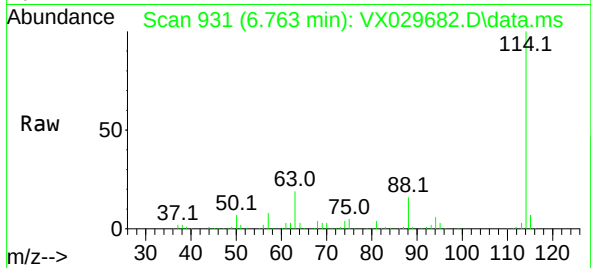




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

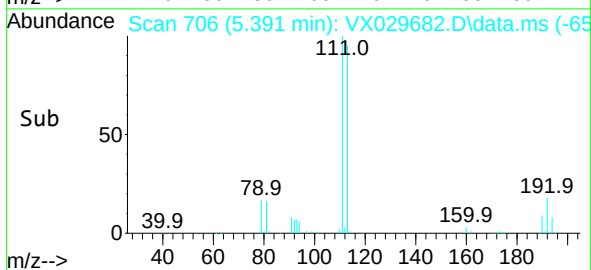
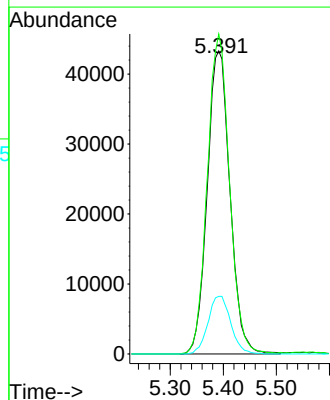
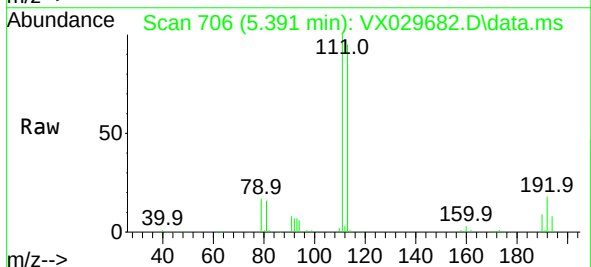
Instrument :
MSVOA_X
ClientSampleId :
MW-7D

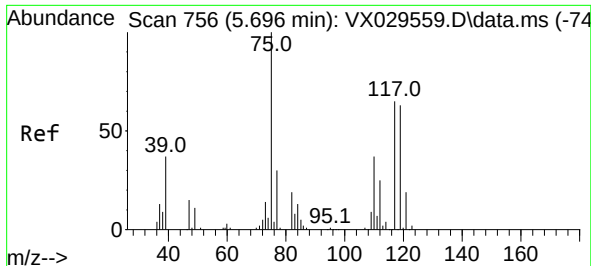
Tgt Ion:114 Resp: 435139
Ion Ratio Lower Upper
114 100
63 19.0 0.0 36.8
88 16.3 0.0 32.4



#35
Dibromofluoromethane
Concen: 45.423 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

Tgt Ion:113 Resp: 128808
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 19.1 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.992 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX029682.D

Acq: 21 Jun 2022 23:09

Instrument :

MSVOA_X

ClientSampleId :

MW-7D

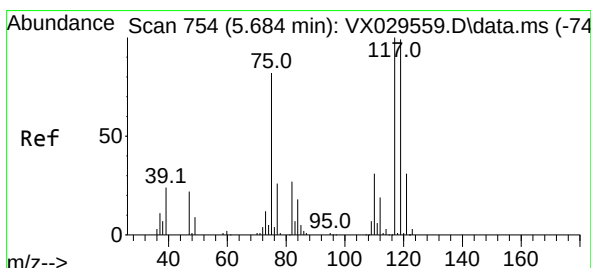
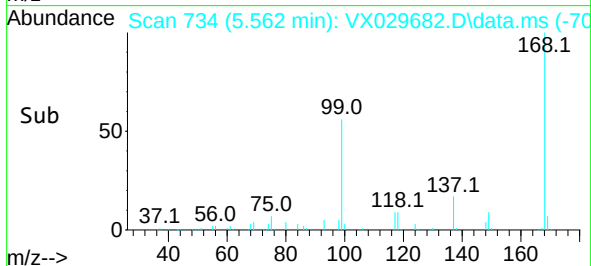
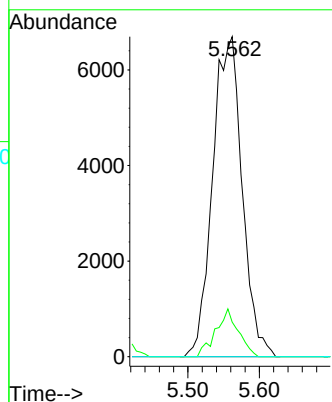
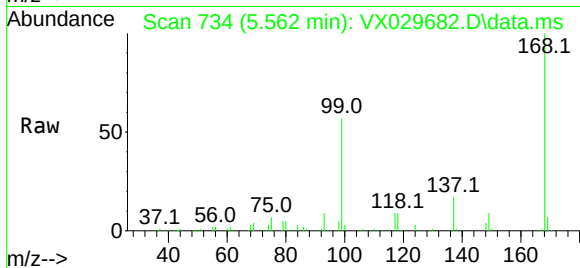
Tgt Ion: 75 Resp: 19159

Ion Ratio Lower Upper

75 100

110 11.4 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.930 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX029682.D

Acq: 21 Jun 2022 23:09

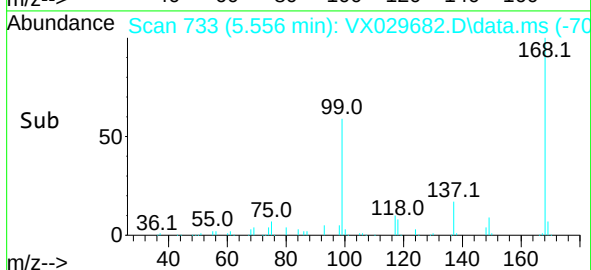
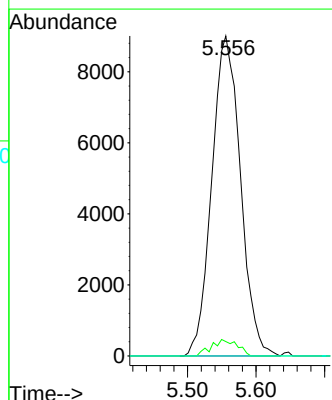
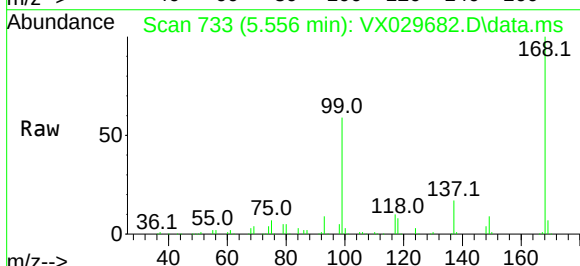
Tgt Ion: 117 Resp: 26156

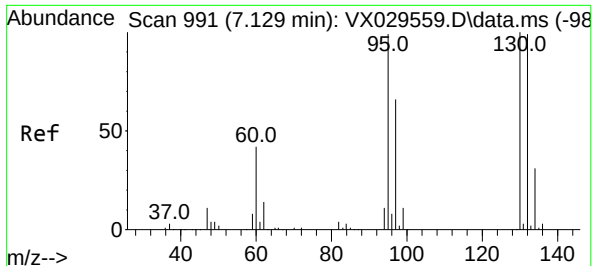
Ion Ratio Lower Upper

117 100

119 4.5 77.3 115.9#

121 0.0 24.2 36.2#

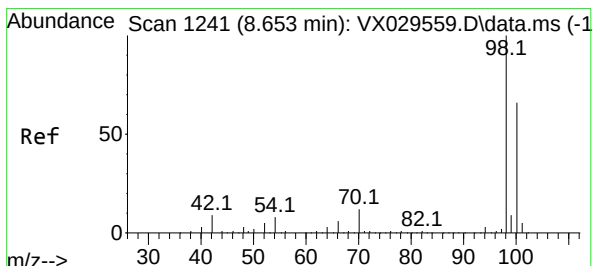
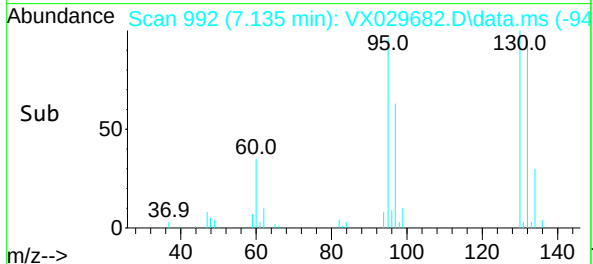
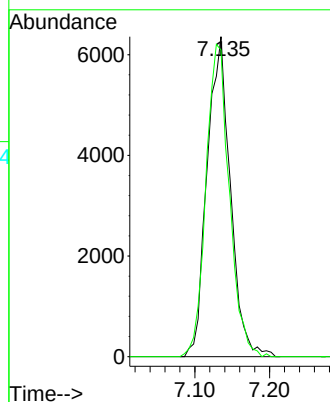
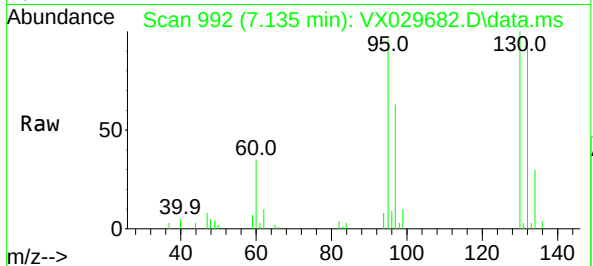




#44
Trichloroethene
Concen: 3.206 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

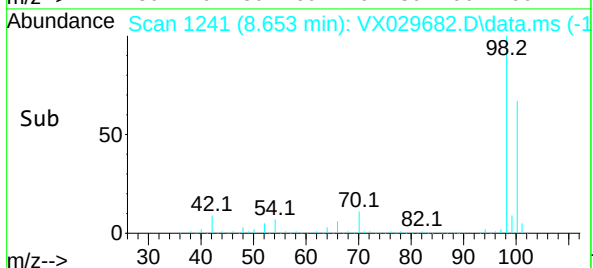
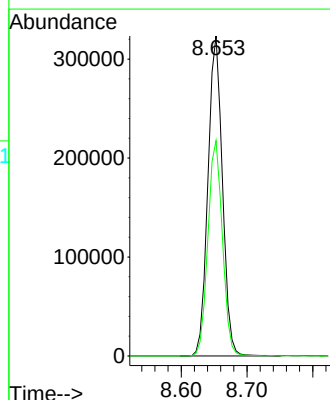
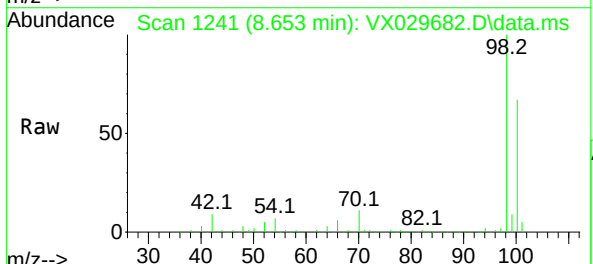
Instrument :
MSVOA_X
ClientSampleId :
MW-7D

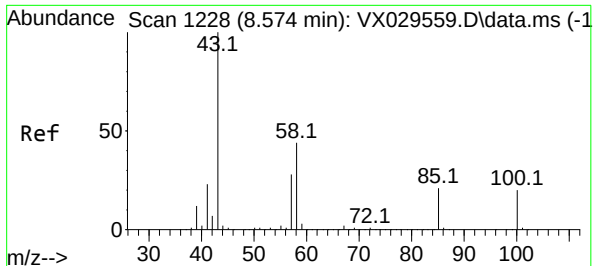
Tgt Ion:130 Resp: 13745
Ion Ratio Lower Upper
130 100
95 95.8 0.0 188.8



#50
Toluene-d8
Concen: 47.761 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

Tgt Ion: 98 Resp: 494779
Ion Ratio Lower Upper
98 100
100 67.4 52.6 78.8

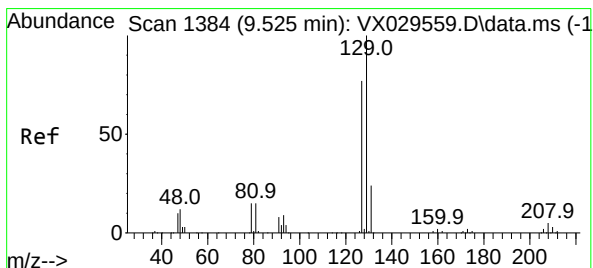
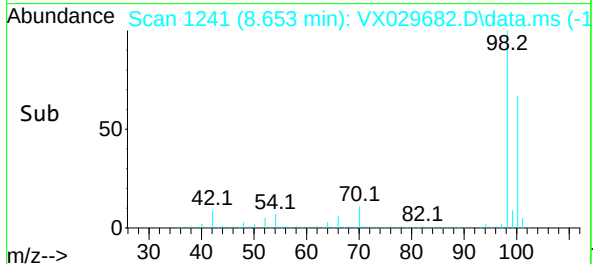
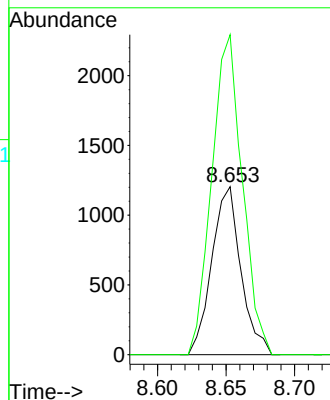
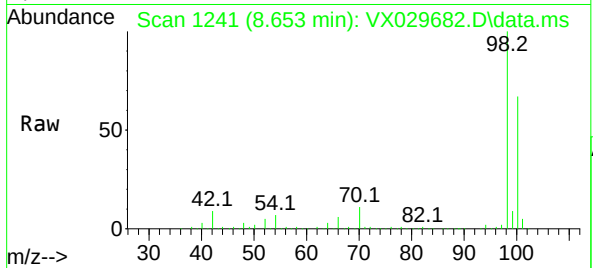




#51
4-Methyl-2-Pentanone
Concen: 0.451 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

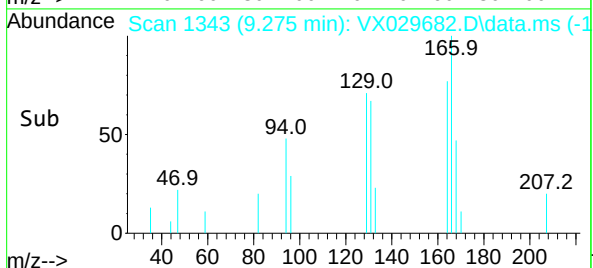
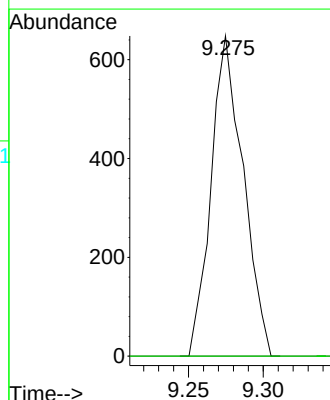
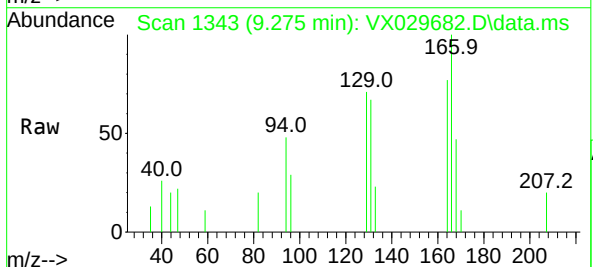
Instrument :
MSVOA_X
ClientSampleId :
MW-7D

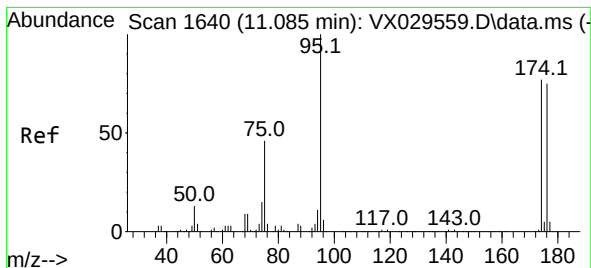
Tgt Ion: 43 Resp: 1778
Ion Ratio Lower Upper
43 100
58 199.9 36.1 54.1#



#60
Dibromochloromethane
Concen: 0.338 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

Tgt Ion: 129 Resp: 968
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#





#62

4-Bromofluorobenzene

Concen: 45.782 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX029682.D

Acq: 21 Jun 2022 23:09

Instrument :

MSVOA_X

ClientSampleId :

MW-7D

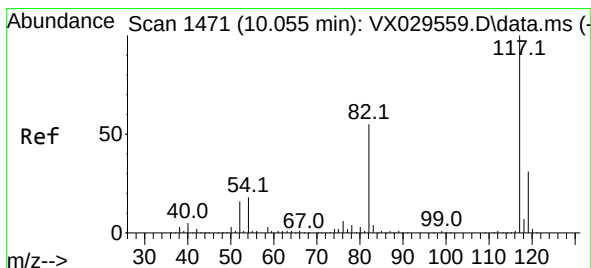
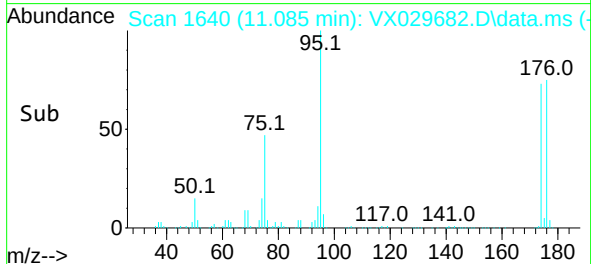
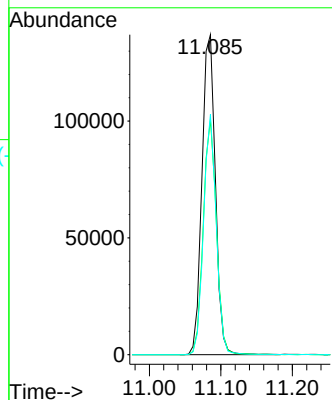
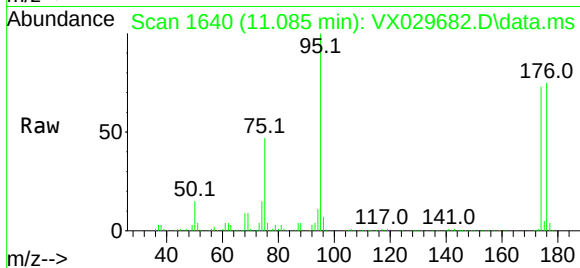
Tgt Ion: 95 Resp: 178855

Ion Ratio Lower Upper

95 100

174 71.8 0.0 163.0

176 70.8 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: VX029682.D

Acq: 21 Jun 2022 23:09

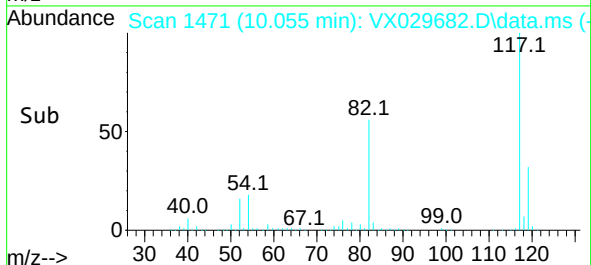
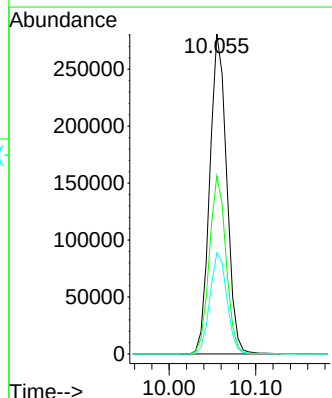
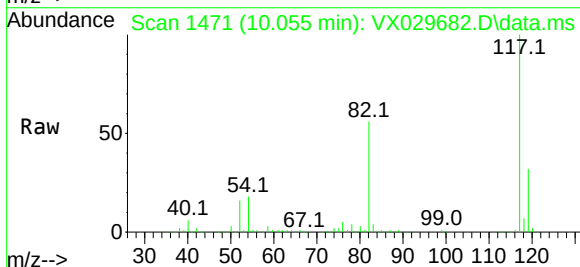
Tgt Ion: 117 Resp: 380900

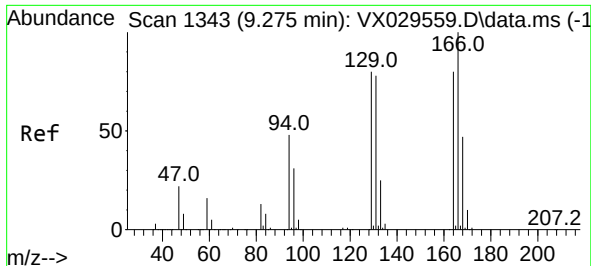
Ion Ratio Lower Upper

117 100

82 55.7 41.8 62.8

119 31.6 24.8 37.2



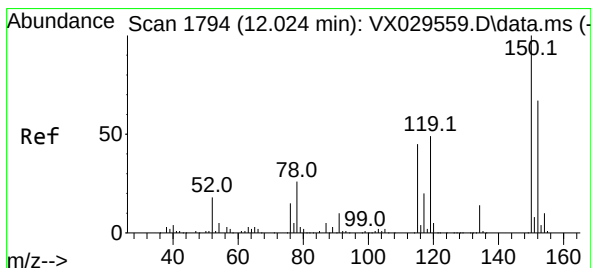
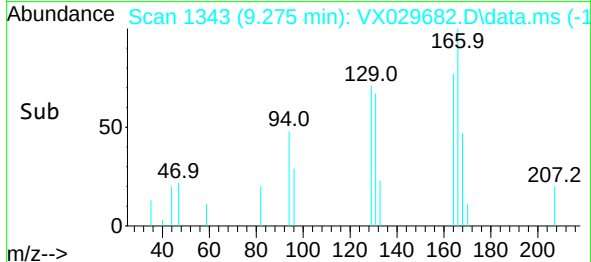
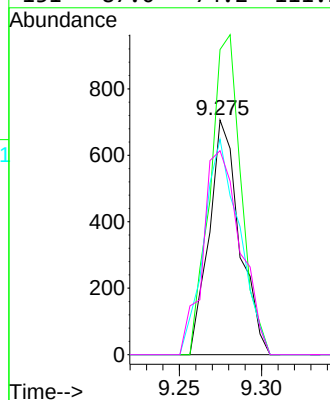
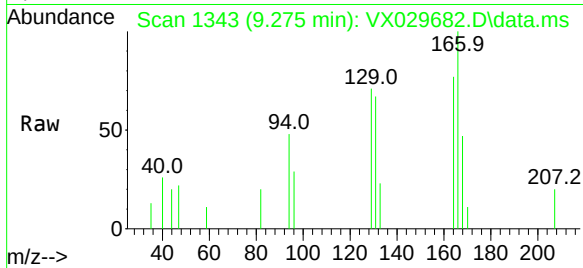


#64
Tetrachloroethene
Concen: 0.329 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

Instrument :
MSVOA_X
ClientSampleId :
MW-7D

Tgt Ion:164 Resp: 905

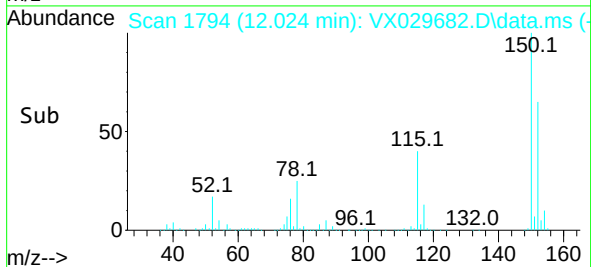
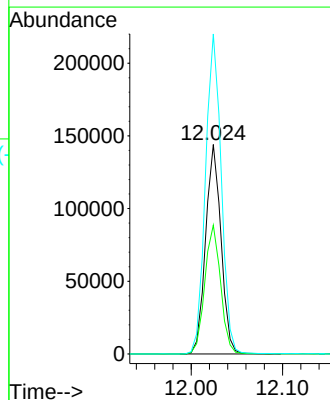
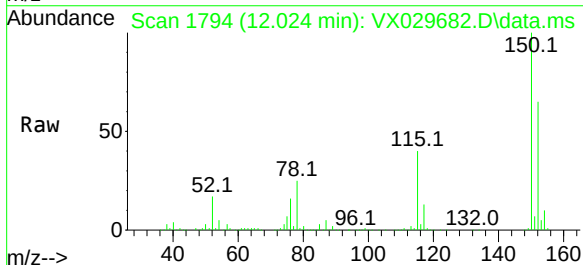
Ion	Ratio	Lower	Upper
164	100		
166	130.0	101.2	151.8
129	91.8	73.0	109.4
131	87.0	74.2	111.2

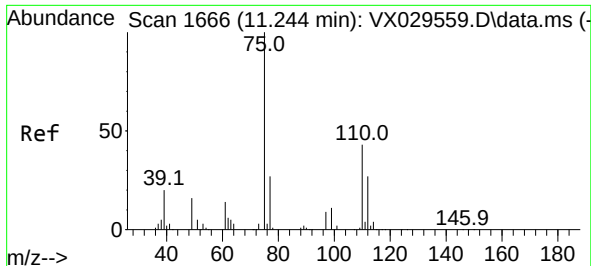


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

Tgt Ion:152 Resp: 168729

Ion	Ratio	Lower	Upper
152	100		
115	63.3	37.5	112.7
150	157.1	0.0	338.2

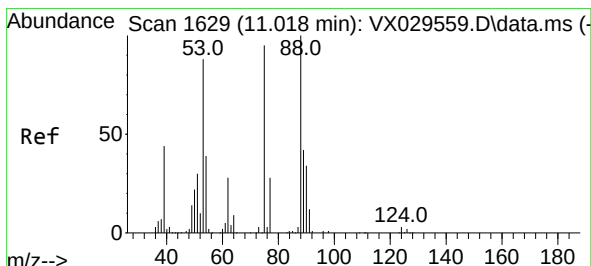
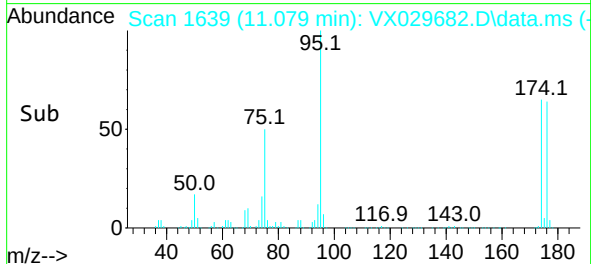
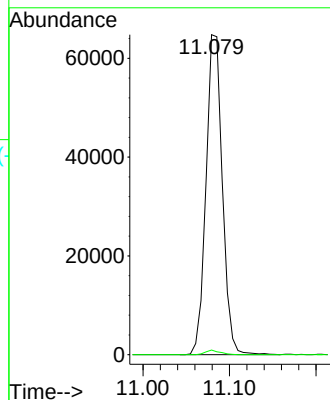
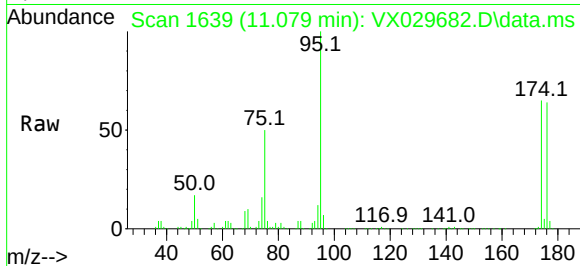




#76
1,2,3-Trichloropropane
Concen: 23.139 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

Instrument :
MSVOA_X
ClientSampleId :
MW-7D

Tgt Ion: 75 Resp: 85052
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.976 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029682.D
Acq: 21 Jun 2022 23:09

Tgt Ion: 75 Resp: 85052
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#

