

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030860.D
 Acq On : 27 Aug 2022 10:10
 Operator : JC/MD
 Sample : N4281-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20220819

Quant Time: Aug 27 22:22:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

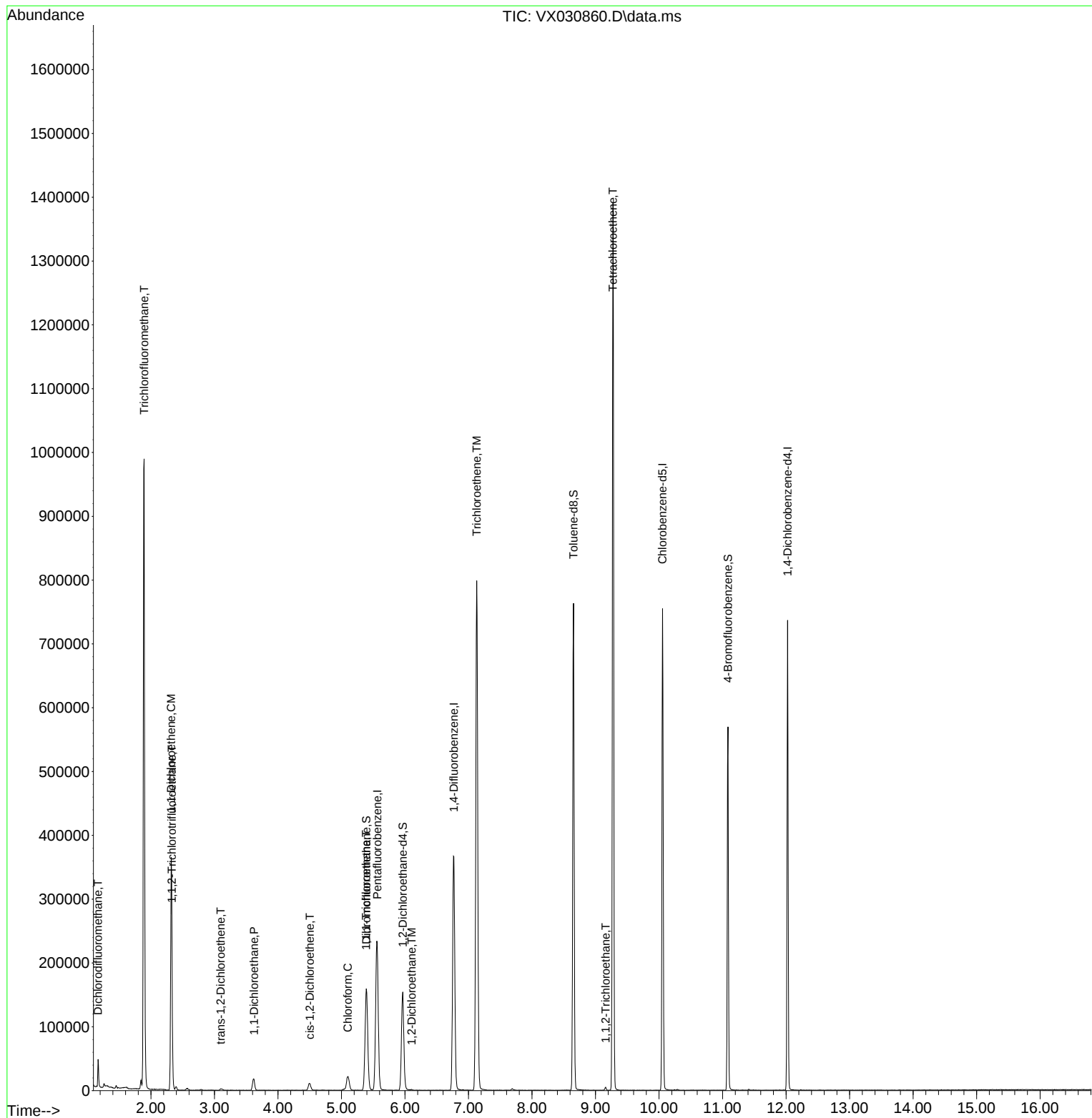
Internal Standards						
1) Pentafluorobenzene	5.562	168	222406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	380068	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	337195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	144683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	147097	56.228	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.460%	
35) Dibromofluoromethane	5.391	113	119638	51.219	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.440%	
50) Toluene-d8	8.653	98	451388	55.456	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.920%	
62) 4-Bromofluorobenzene	11.085	95	150350	49.614	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.220%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	24321	11.800	ug/l	99
7) Trichlorofluoromethane	1.892	101	630347	185.153	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	7396	3.415	ug/l	99
12) 1,1-Dichloroethene	2.319	96	115460	57.270	ug/l	88
21) trans-1,2-Dichloroethene	3.099	96	853	0.394	ug/l #	70
24) 1,1-Dichloroethane	3.623	63	21212	4.995	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	7160	2.676	ug/l	95
30) Chloroform	5.099	83	26906	6.019	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	24124	6.675	ug/l	100
42) 1,2-Dichloroethane	6.105	62	1121	0.332	ug/l	90
44) Trichloroethene	7.129	130	304937	110.913	ug/l	92
55) 1,1,2-Trichloroethane	9.159	97	1183	0.448	ug/l #	94
64) Tetrachloroethene	9.275	164	254324	95.748	ug/l	95

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

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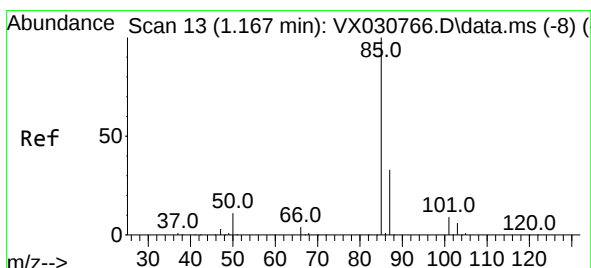
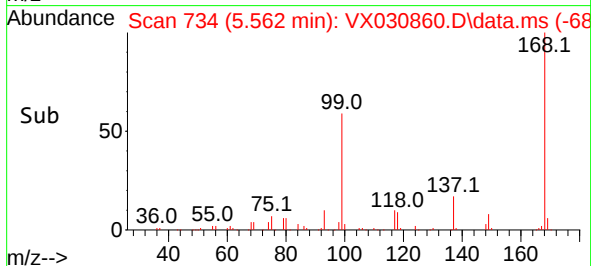
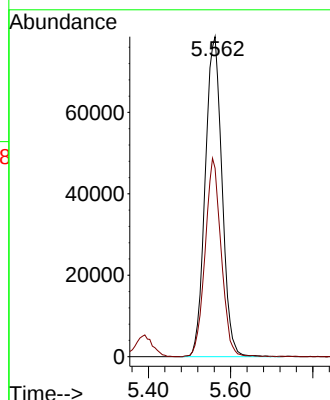
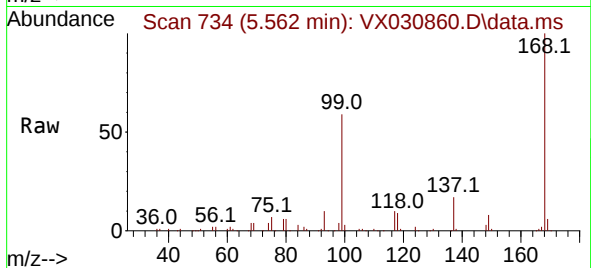




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030860.D
Acq: 27 Aug 2022 10:10

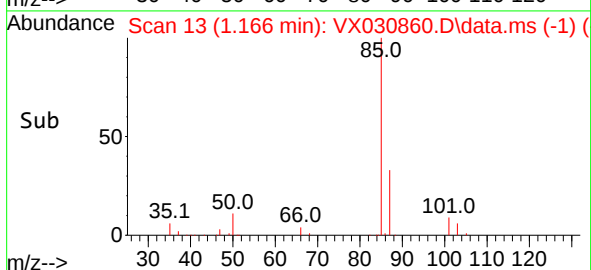
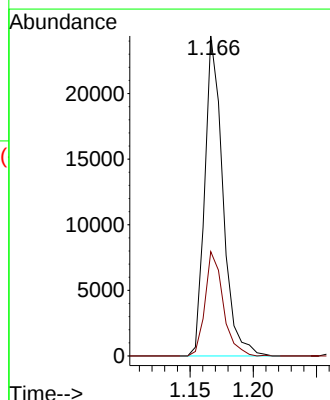
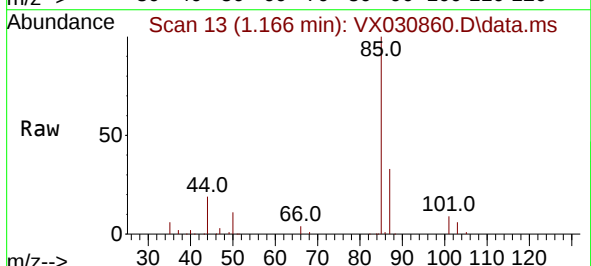
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20220819

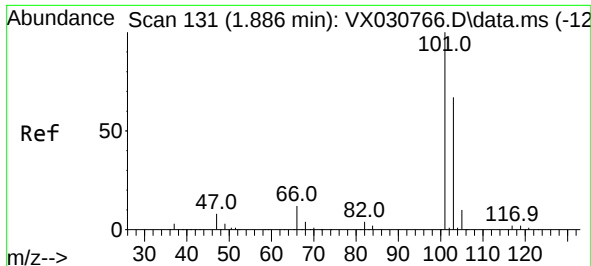
Tgt Ion:168 Resp: 222406
Ion Ratio Lower Upper
168 100
99 58.9 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 11.800 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX030860.D
Acq: 27 Aug 2022 10:10

Tgt Ion: 85 Resp: 24321
Ion Ratio Lower Upper
85 100
87 32.6 16.5 49.5

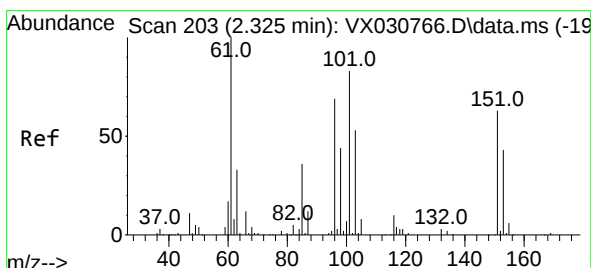
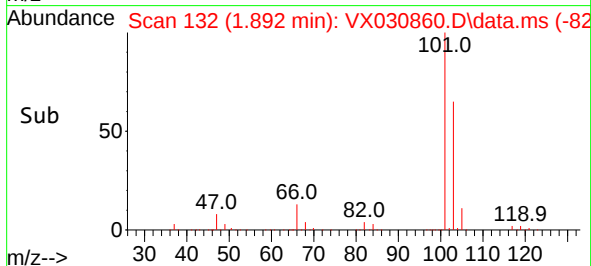
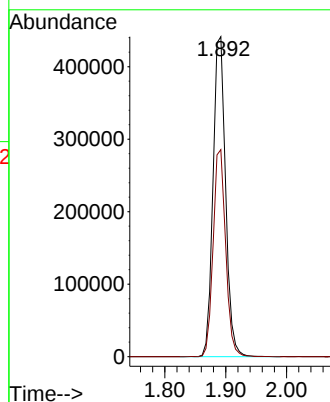
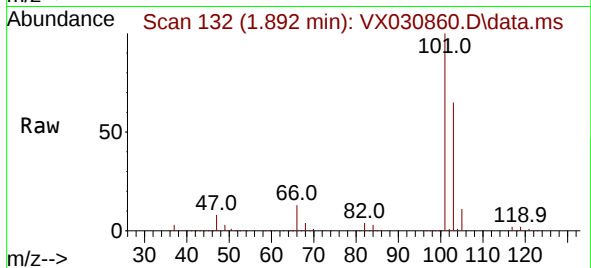




#7
 Trichlorofluoromethane
 Concen: 185.153 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX030860.D
 Acq: 27 Aug 2022 10:10

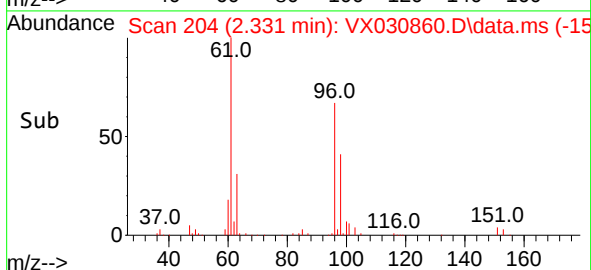
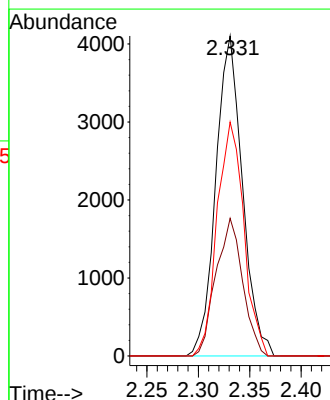
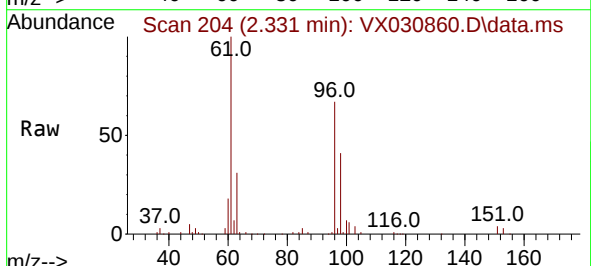
Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20220819

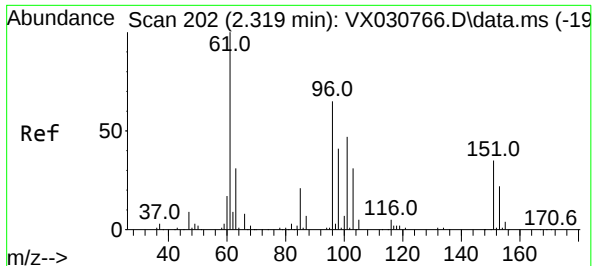
Tgt Ion:101 Resp: 630347
 Ion Ratio Lower Upper
 101 100
 103 64.7 49.7 74.5



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 3.415 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: VX030860.D
 Acq: 27 Aug 2022 10:10

Tgt Ion:101 Resp: 7396
 Ion Ratio Lower Upper
 101 100
 85 43.0 34.0 51.0
 151 73.1 59.4 89.0





#12

1,1-Dichloroethene

Concen: 57.270 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX030860.D

Acq: 27 Aug 2022 10:10

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20220819

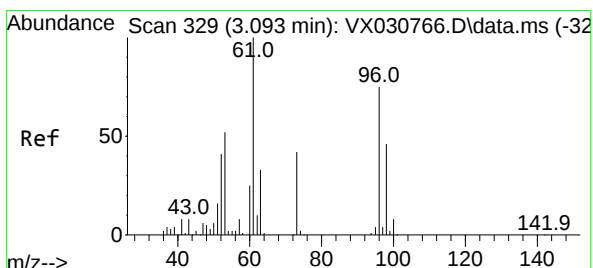
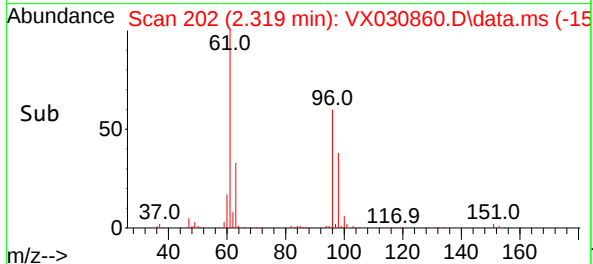
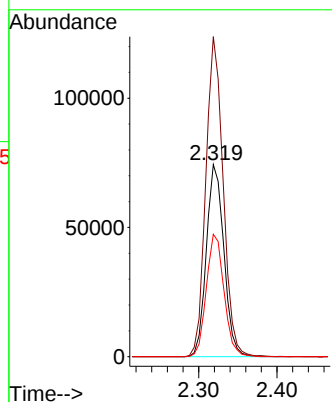
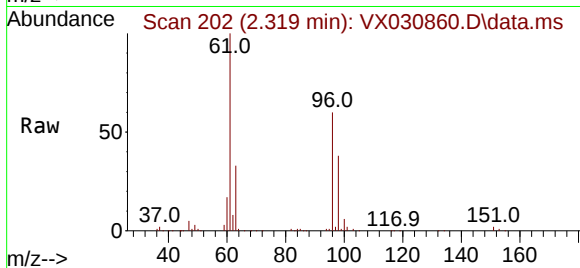
Tgt Ion: 96 Resp: 115460

Ion Ratio Lower Upper

96 100

61 166.5 117.4 176.0

98 63.7 52.2 78.4



#21

trans-1,2-Dichloroethene

Concen: 0.394 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.006 min

Lab File: VX030860.D

Acq: 27 Aug 2022 10:10

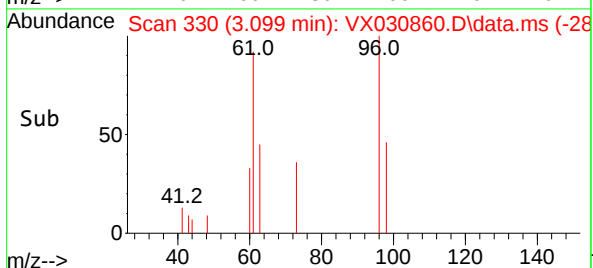
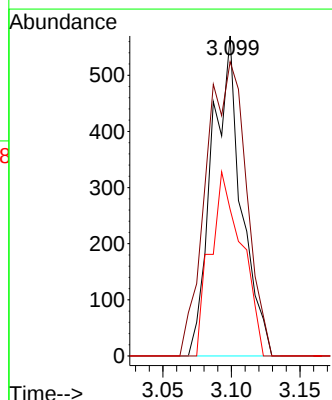
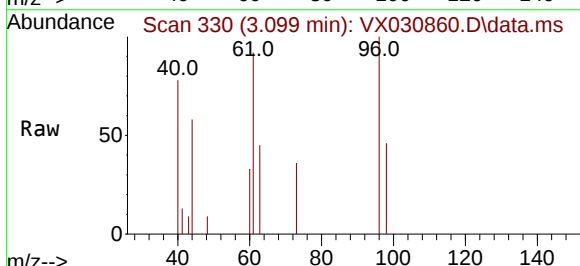
Tgt Ion: 96 Resp: 853

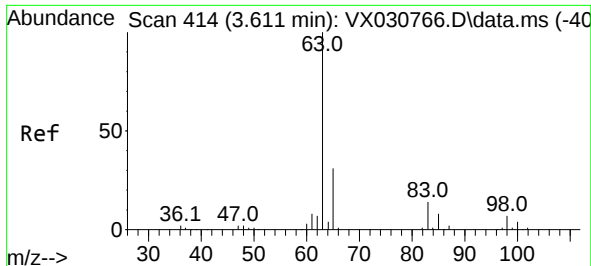
Ion Ratio Lower Upper

96 100

61 91.9 105.6 158.4#

98 45.8 50.1 75.1#

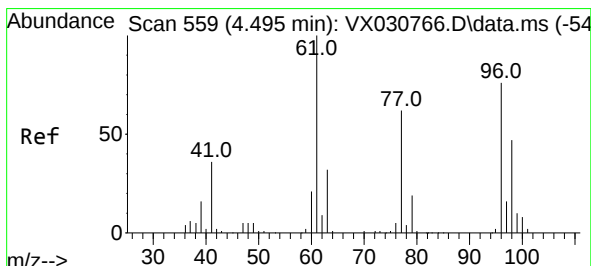
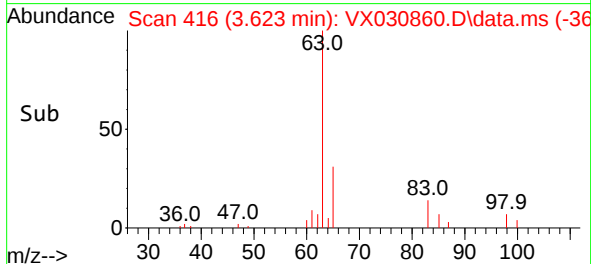
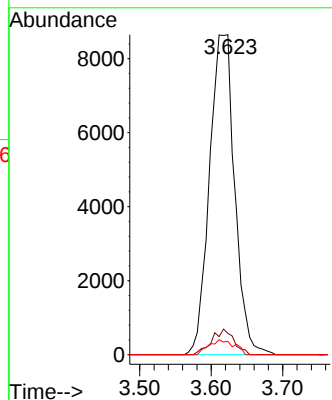
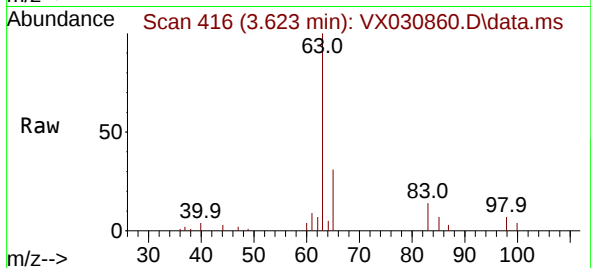




#24
1,1-Dichloroethane
Concen: 4.995 ug/l
RT: 3.623 min Scan# 41
Delta R.T. 0.012 min
Lab File: VX030860.D
Acq: 27 Aug 2022 10:10

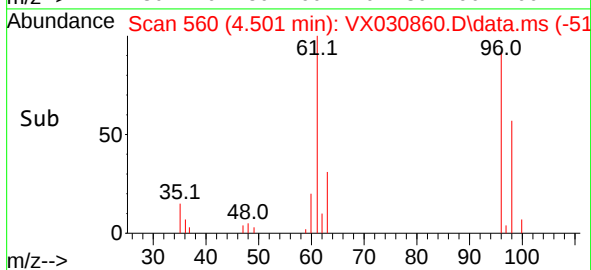
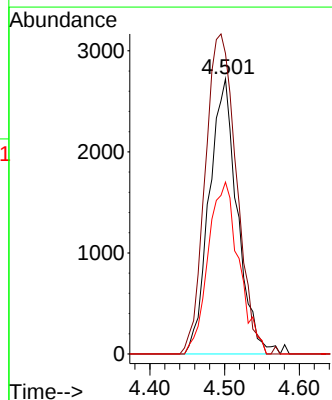
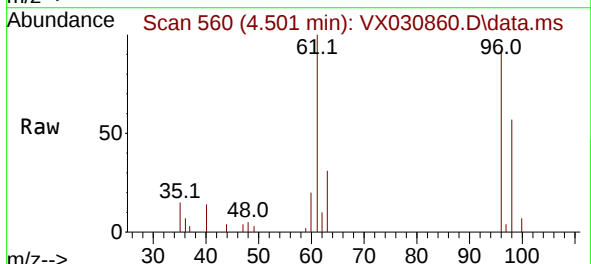
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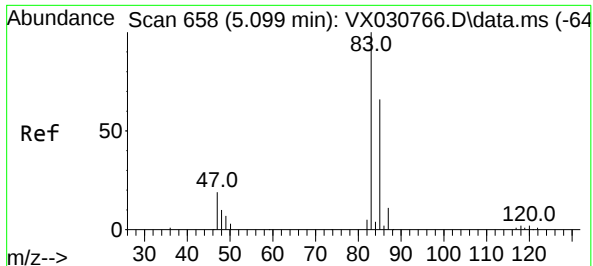
Tgt Ion: 63 Resp: 21212
Ion Ratio Lower Upper
63 100
98 6.7 3.5 10.5
100 4.2 2.3 6.9



#27
cis-1,2-Dichloroethene
Concen: 2.676 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX030860.D
Acq: 27 Aug 2022 10:10

Tgt Ion: 96 Resp: 7160
Ion Ratio Lower Upper
96 100
61 128.6 0.0 270.0
98 68.0 0.0 127.8





#30

Chloroform

Concen: 6.019 ug/l

RT: 5.099 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX030860.D

Acq: 27 Aug 2022 10:10

Instrument :

MSVOA_X

ClientSampleId :

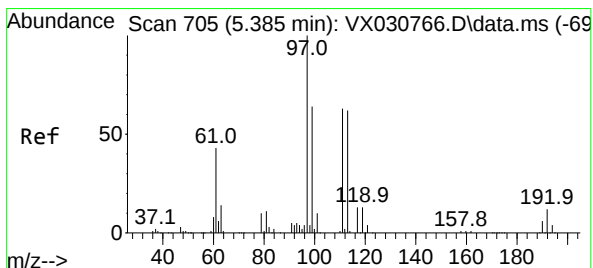
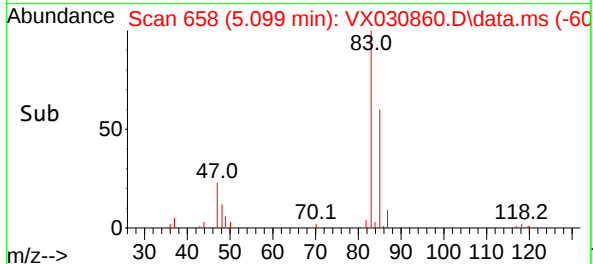
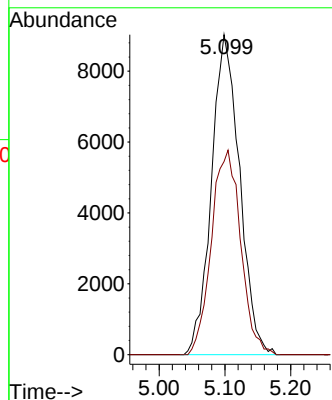
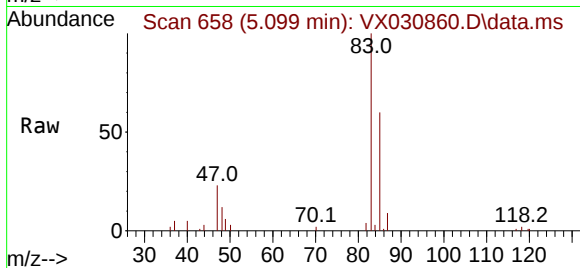
MW201D-20220819

Tgt Ion: 83 Resp: 26906

Ion Ratio Lower Upper

83 100

85 60.3 51.5 77.3



#32

1,1,1-Trichloroethane

Concen: 6.675 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX030860.D

Acq: 27 Aug 2022 10:10

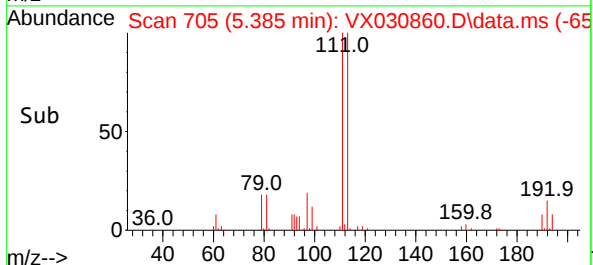
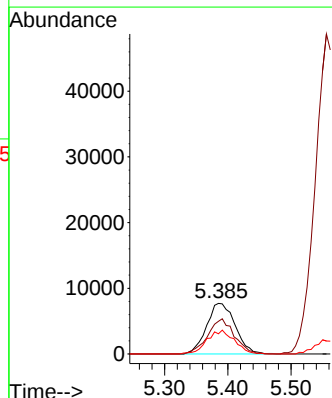
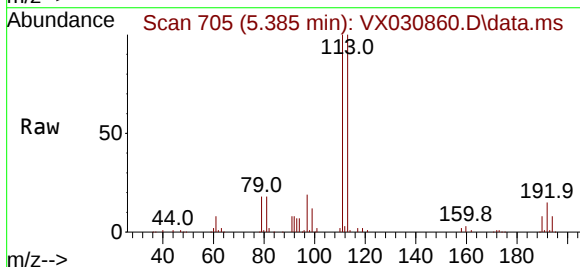
Tgt Ion: 97 Resp: 24124

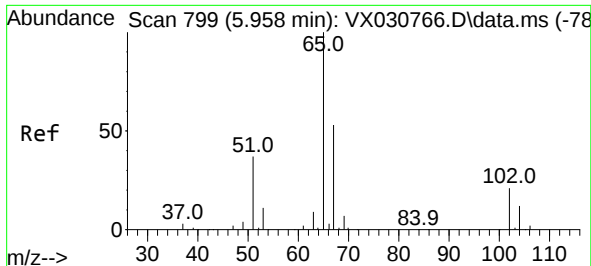
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 44.9 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 56.228 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX030860.D

Acq: 27 Aug 2022 10:10

Instrument :

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ClientSampleId :

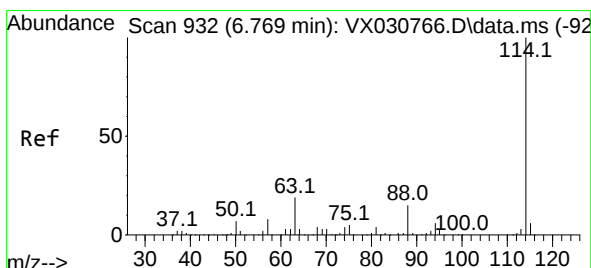
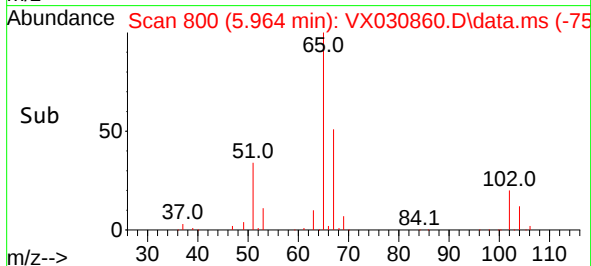
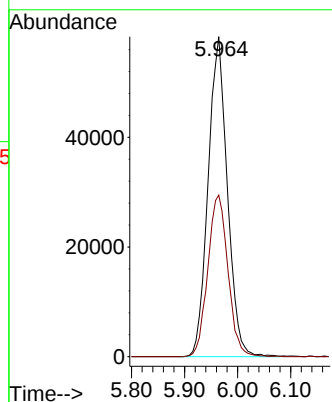
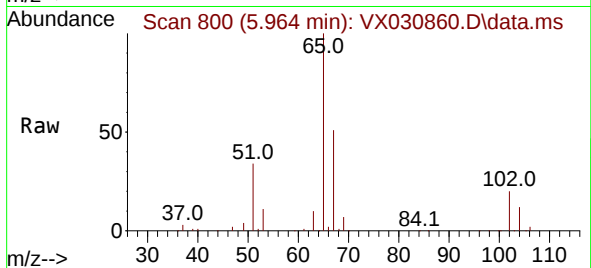
MW201D-20220819

Tgt Ion: 65 Resp: 147097

Ion Ratio Lower Upper

65 100

67 52.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030860.D

Acq: 27 Aug 2022 10:10

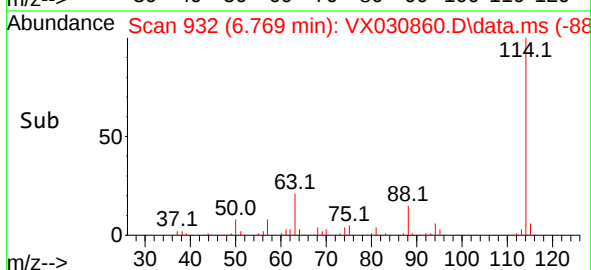
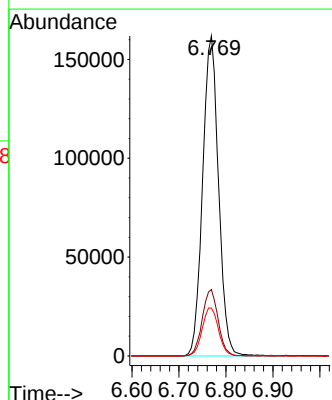
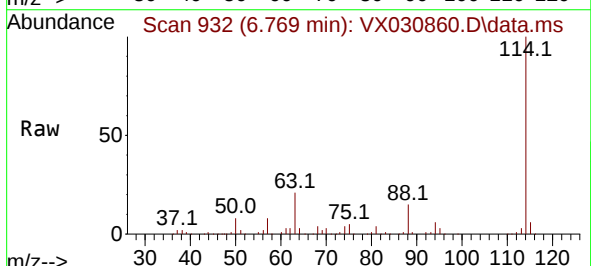
Tgt Ion: 114 Resp: 380068

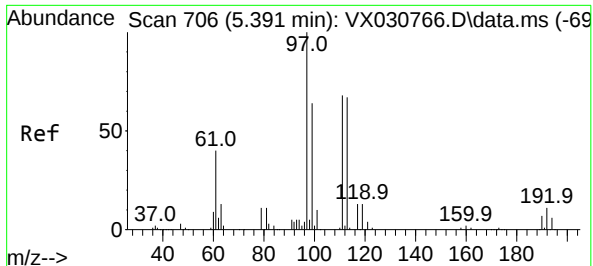
Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.4

88 15.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.219 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030860.D

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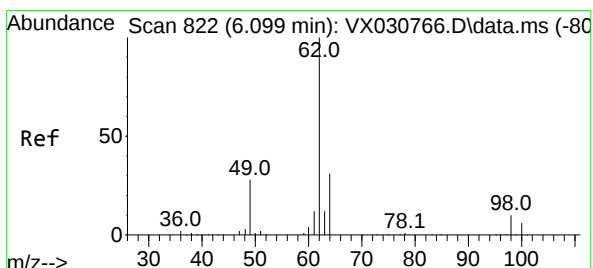
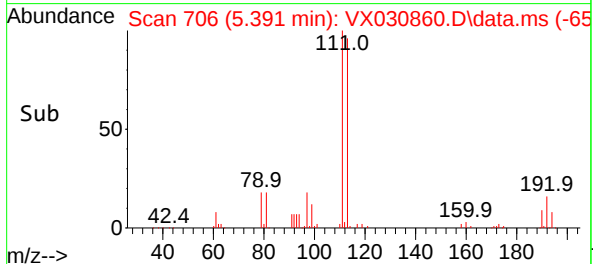
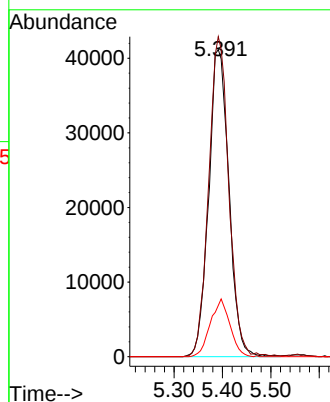
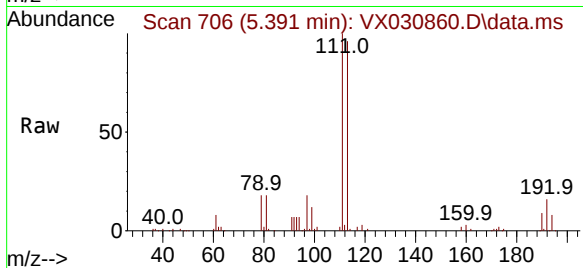
Tgt Ion:113 Resp: 119638

Ion Ratio Lower Upper

113 100

111 103.7 83.2 124.8

192 18.2 14.8 22.2



#42

1,2-Dichloroethane

Concen: 0.332 ug/l

RT: 6.105 min Scan# 823

Delta R.T. 0.006 min

Lab File: VX030860.D

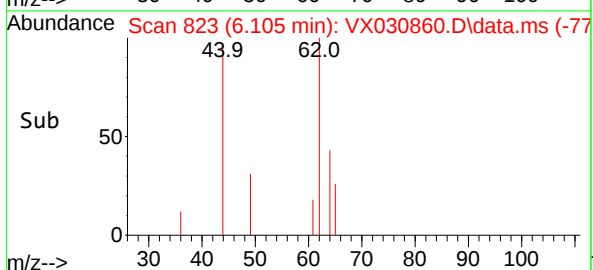
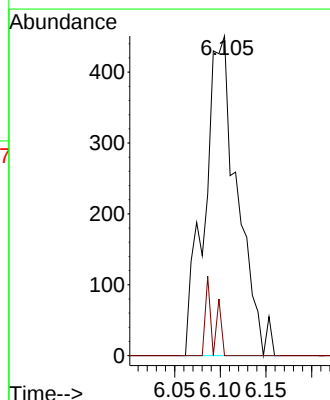
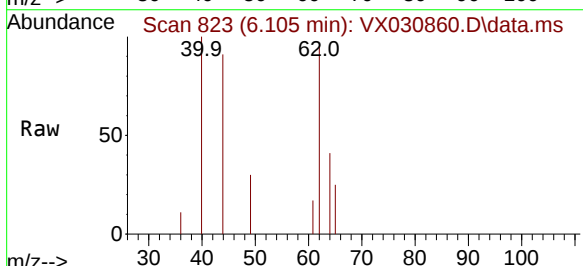
Acq: 27 Aug 2022 10:10

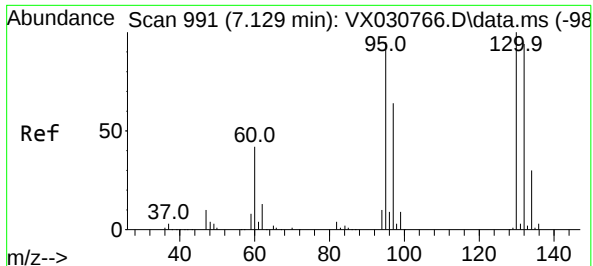
Tgt Ion: 62 Resp: 1121

Ion Ratio Lower Upper

62 100

98 6.2 0.0 20.2

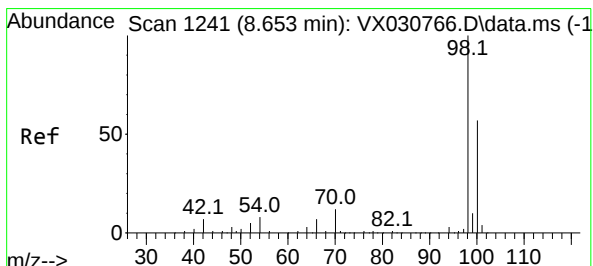
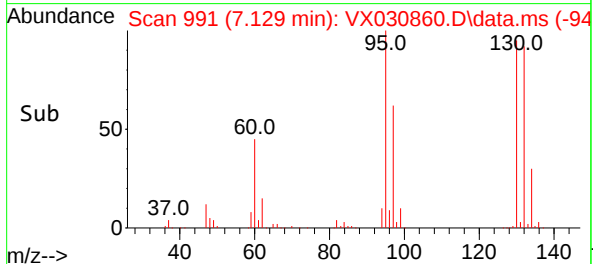
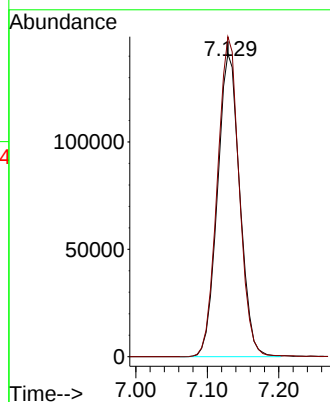
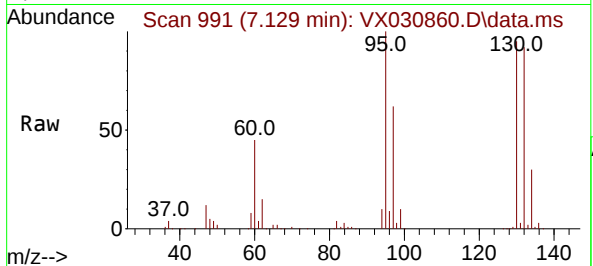




#44
Trichloroethene
Concen: 110.913 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030860.D
Acq: 27 Aug 2022 10:10

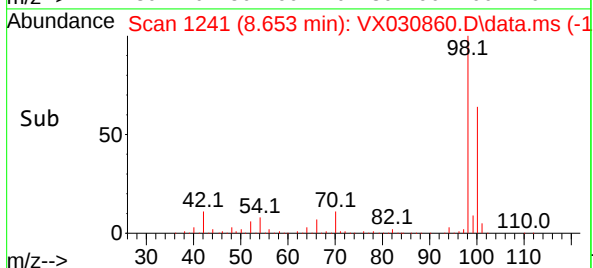
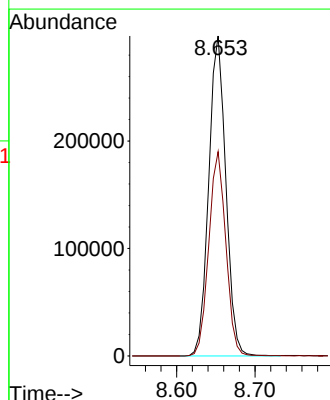
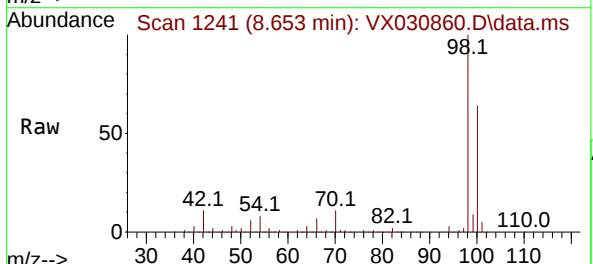
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20220819

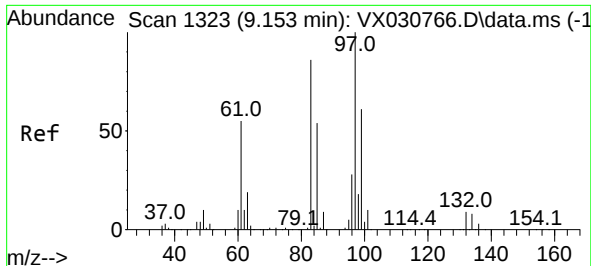
Tgt Ion:130 Resp: 304937
Ion Ratio Lower Upper
130 100
95 105.7 0.0 194.8



#50
Toluene-d8
Concen: 55.456 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030860.D
Acq: 27 Aug 2022 10:10

Tgt Ion: 98 Resp: 451388
Ion Ratio Lower Upper
98 100
100 63.6 52.3 78.5





#55

1,1,2-Trichloroethane

Concen: 0.448 ug/l

RT: 9.159 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX030860.D

Acq: 27 Aug 2022 10:10

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20220819

Tgt Ion: 97 Resp: 1183

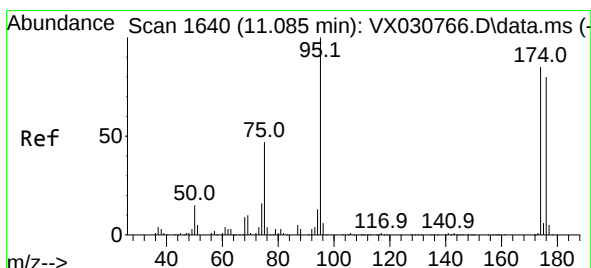
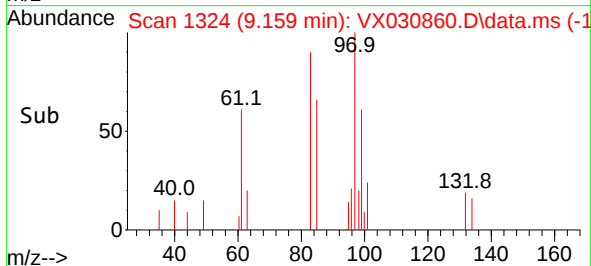
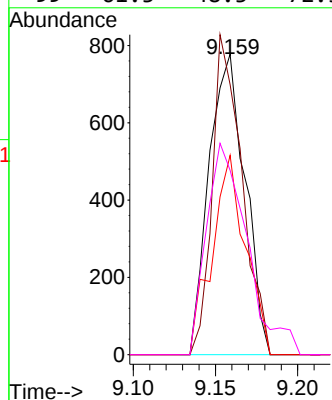
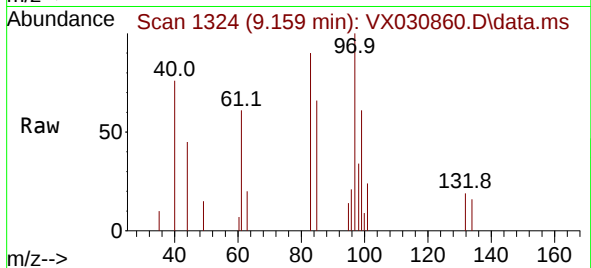
Ion Ratio Lower Upper

97 100

83 89.8 68.9 103.3

85 66.3 44.0 66.0#

99 61.3 48.3 72.5



#62

4-Bromofluorobenzene

Concen: 49.614 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX030860.D

Acq: 27 Aug 2022 10:10

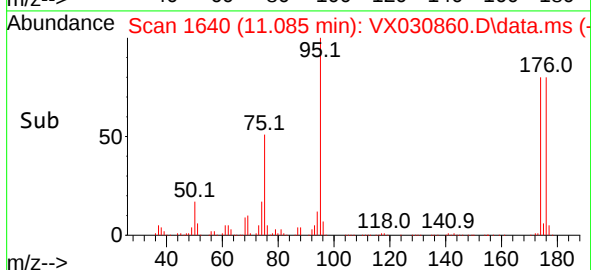
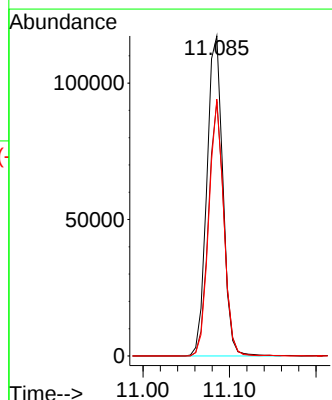
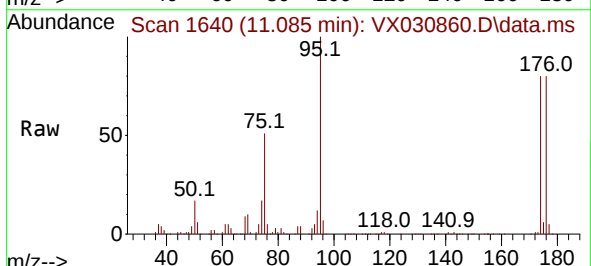
Tgt Ion: 95 Resp: 150350

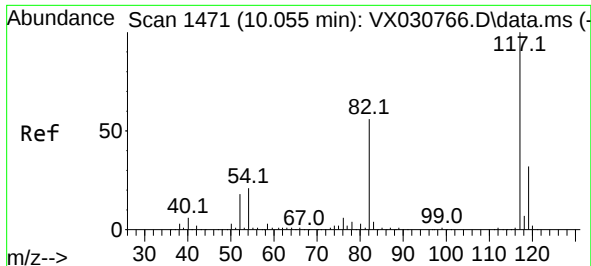
Ion Ratio Lower Upper

95 100

174 76.4 0.0 149.0

176 74.5 0.0 146.0

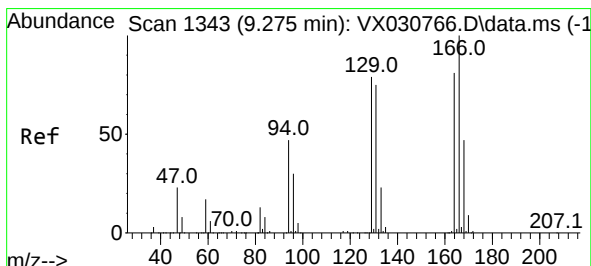
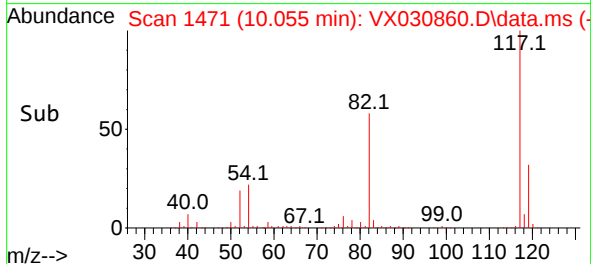
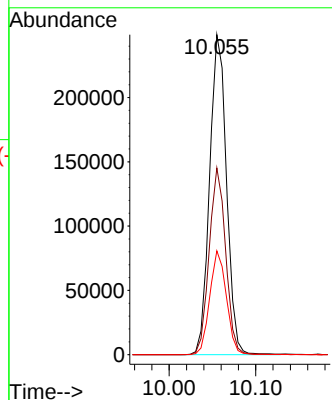
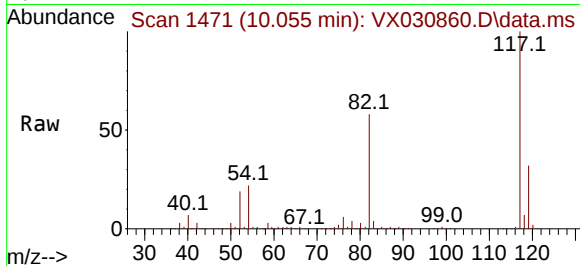




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030860.D
Acq: 27 Aug 2022 10:10

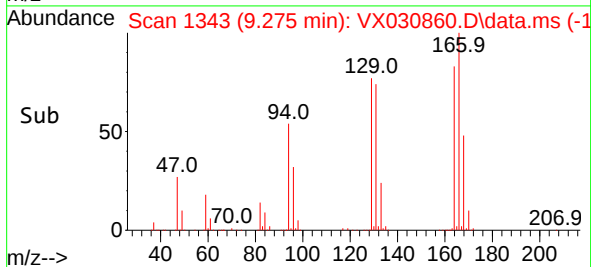
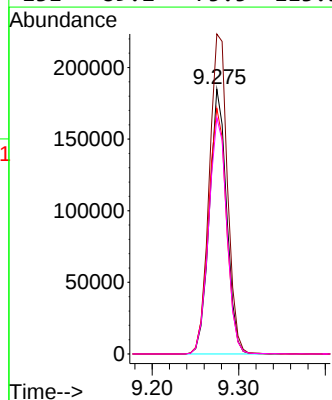
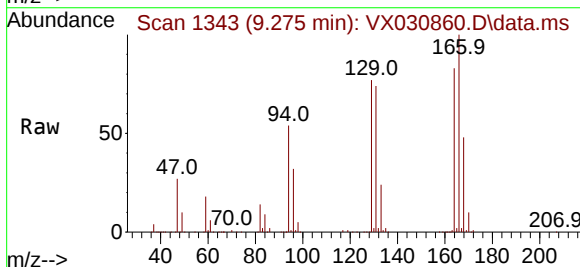
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20220819

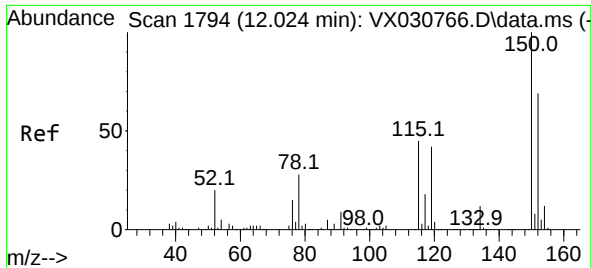
Tgt Ion:117 Resp: 337195
Ion Ratio Lower Upper
117 100
82 58.3 42.7 64.1
119 32.5 25.4 38.2



#64
Tetrachloroethene
Concen: 95.748 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX030860.D
Acq: 27 Aug 2022 10:10

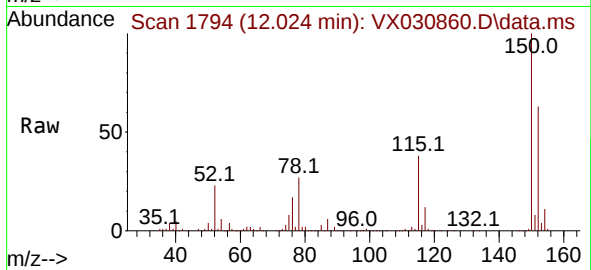
Tgt Ion:164 Resp: 254324
Ion Ratio Lower Upper
164 100
166 120.8 98.2 147.4
129 92.7 80.8 121.2
131 89.2 75.5 113.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030860.D
 Acq: 27 Aug 2022 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20220819



Tgt Ion:152 Resp: 144683
 Ion Ratio Lower Upper
 152 100
 115 60.0 40.5 121.5
 150 158.1 0.0 347.0

