

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028168.D
 Acq On : 19 Apr 2022 18:57
 Operator : JC/MD
 Sample : VX0419WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419WBL02

Quant Time: Apr 20 08:17:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

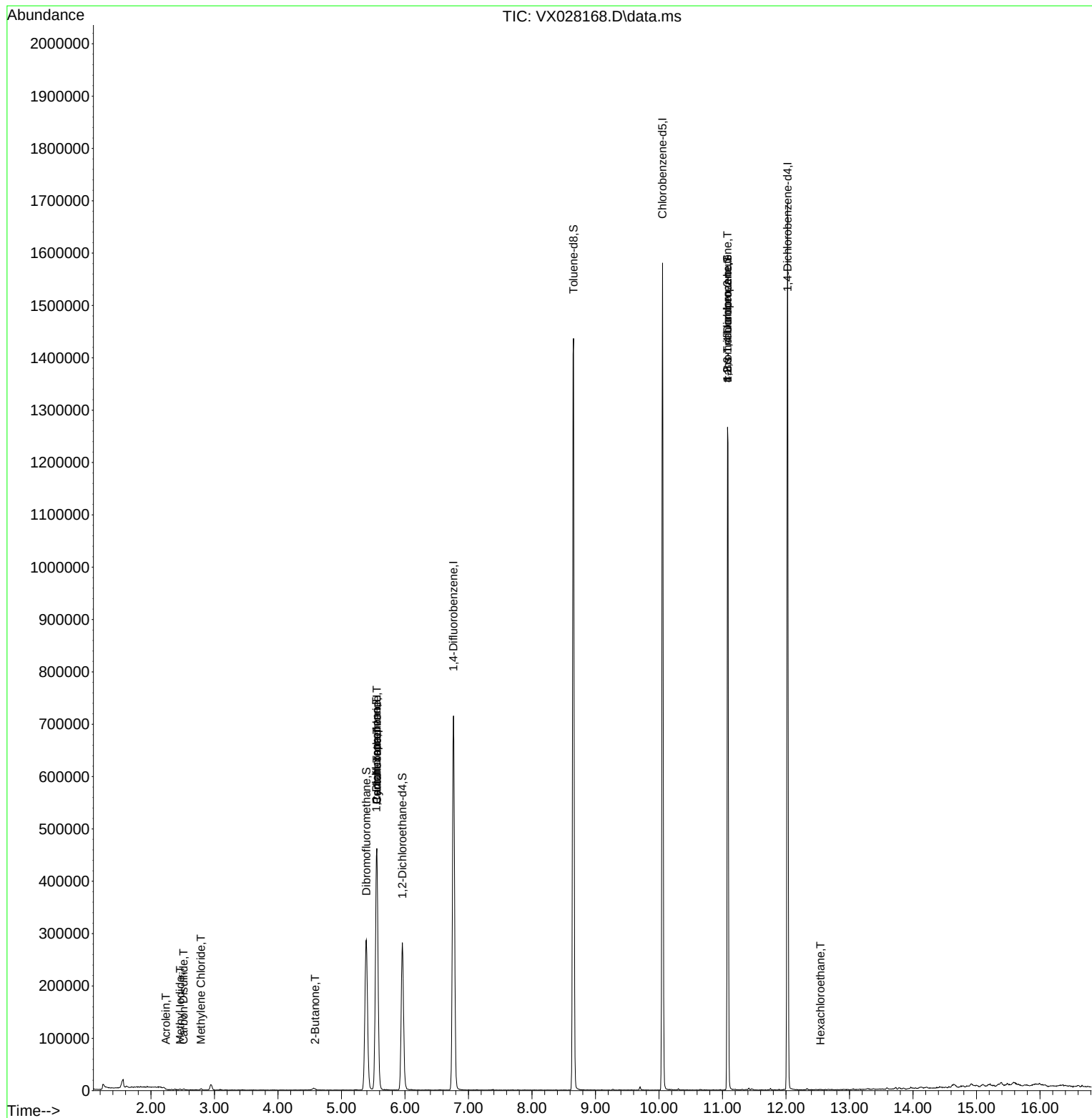
Internal Standards						
1) Pentafluorobenzene	5.556	168	456700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	771543	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	729400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	353680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	266479	44.750	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	89.500%
35) Dibromofluoromethane	5.391	113	251599	46.500	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.000%
50) Toluene-d8	8.653	98	899000	43.259	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	86.520%
62) 4-Bromofluorobenzene	11.079	95	338963	42.658	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	85.320%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	642	Below Cal		94
5) Bromomethane	1.612	94	1436	Below Cal		92
6) Chloroethane	1.709	64	885	Below Cal		100
10) Methyl Iodide	2.459	142	1724	5.540 ug/l #		88
11) Tert butyl alcohol	2.941	59	5680	Below Cal #		75
13) Acrolein	2.233	56	150	0.206 ug/l #		1
16) Acetone	2.380	43	1713	Below Cal		96
17) Carbon Disulfide	2.514	76	2071	0.219 ug/l		99
20) Methylene Chloride	2.788	84	1128	0.255 ug/l #		84
25) 2-Butanone	4.587	43	746	0.212 ug/l		99
31) Cyclohexane	5.556	56	8292	1.143 ug/l #		14
36) 1,1-Dichloropropene	5.550	75	33278	4.715 ug/l #		50
38) Carbon Tetrachloride	5.556	117	45913	5.763 ug/l #		15
76) 1,2,3-Trichloropropane	11.079	75	167712	24.094 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.079	75	167712	71.602 ug/l #		15
90) Hexachloroethane	12.543	117	31	1.821 ug/l #		10

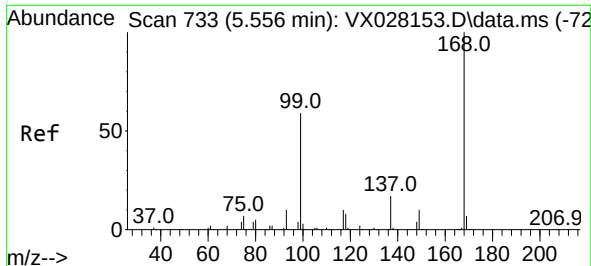
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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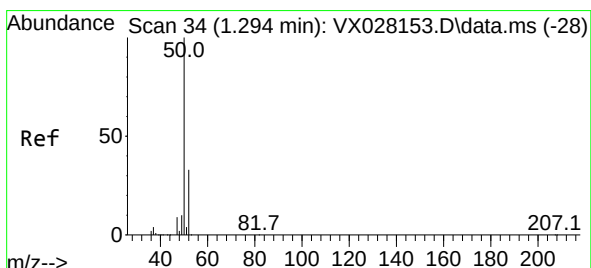
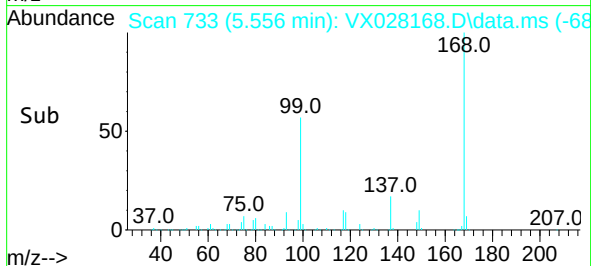
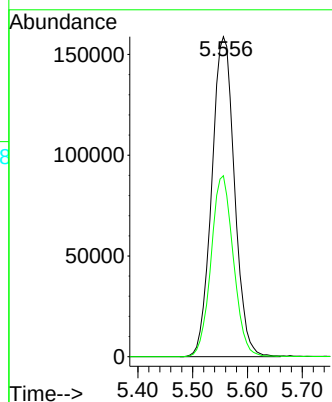
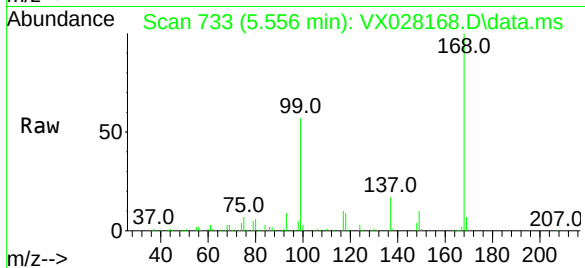




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028168.D
Acq: 19 Apr 2022 18:57

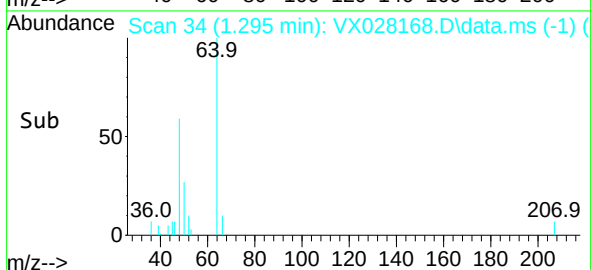
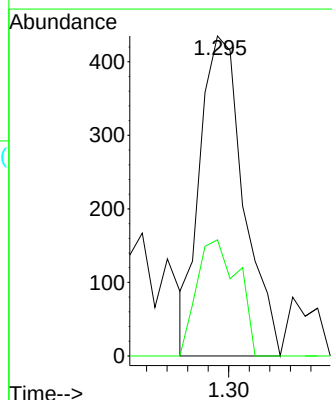
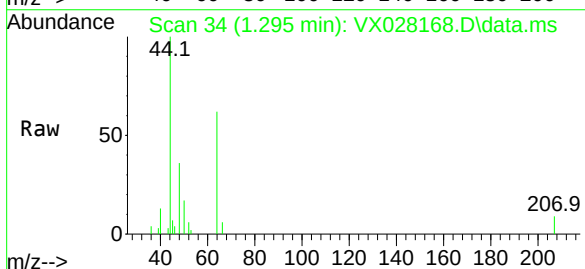
Instrument :
MSVOA_X
ClientSampleId :
VX0419WBL02

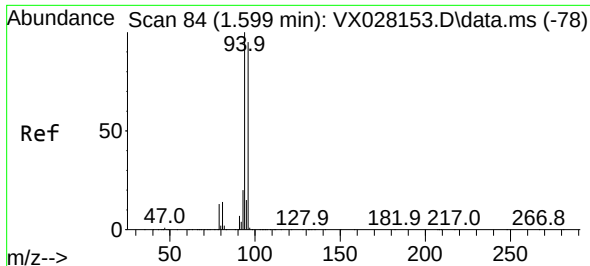
Tgt Ion:168 Resp: 456700
Ion Ratio Lower Upper
168 100
99 56.6 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX028168.D
Acq: 19 Apr 2022 18:57

Tgt Ion: 50 Resp: 642
Ion Ratio Lower Upper
50 100
52 36.3 26.4 39.6

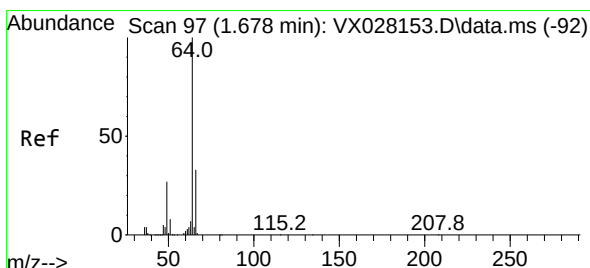
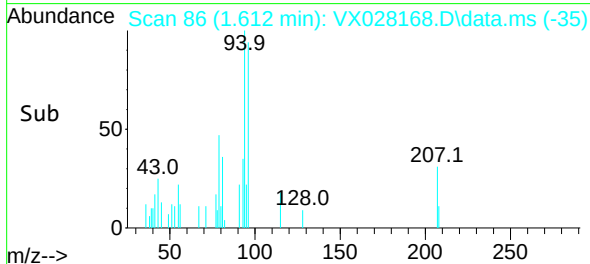
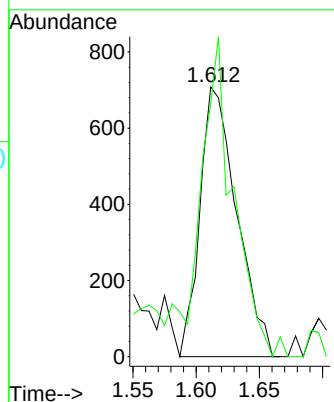
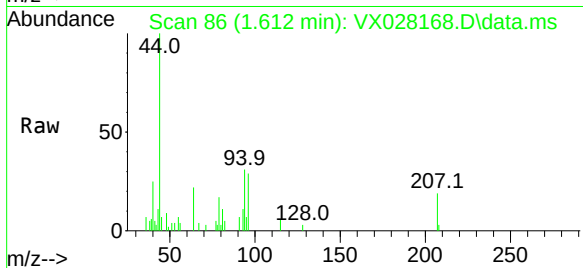




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX028168.D
Acq: 19 Apr 2022 18:57

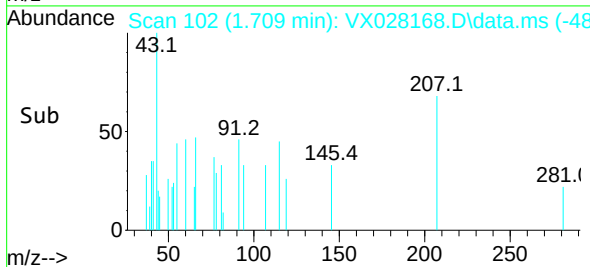
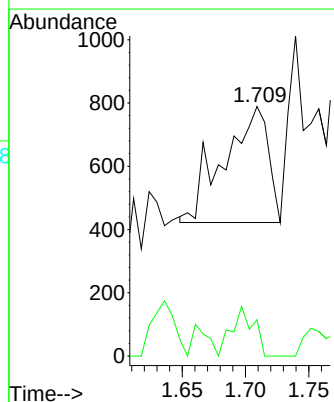
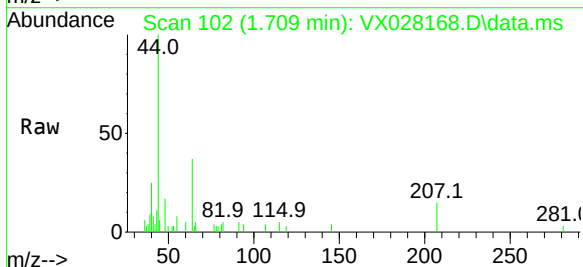
Instrument :
MSVOA_X
ClientSampleId :
VX0419WBL02

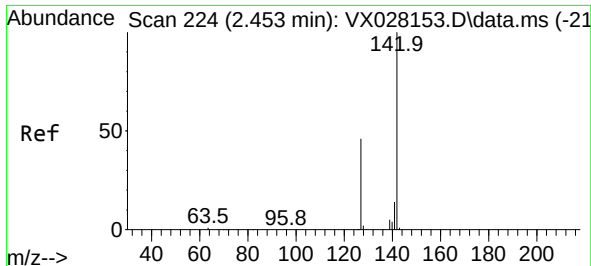
Tgt Ion: 94 Resp: 1436
Ion Ratio Lower Upper
94 100
96 86.4 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.709 min Scan# 102
Delta R.T. 0.031 min
Lab File: VX028168.D
Acq: 19 Apr 2022 18:57

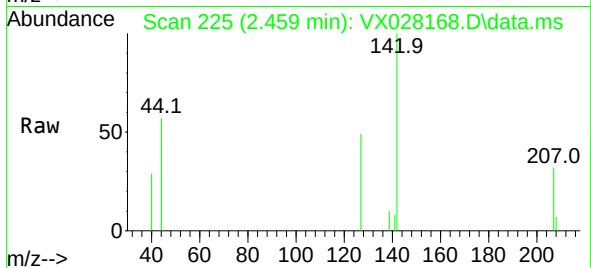
Tgt Ion: 64 Resp: 885
Ion Ratio Lower Upper
64 100
66 31.3 25.3 37.9



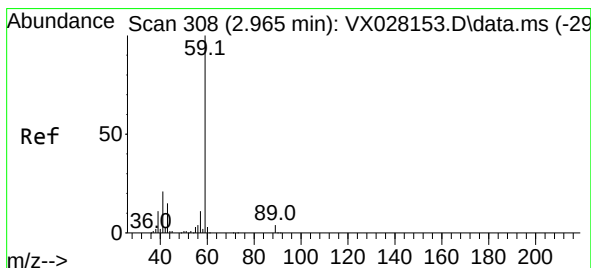
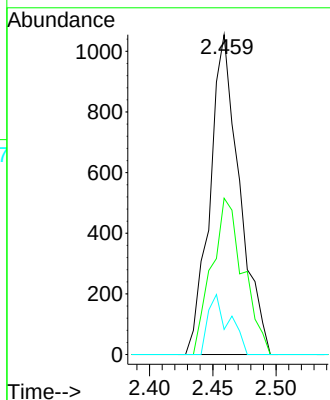
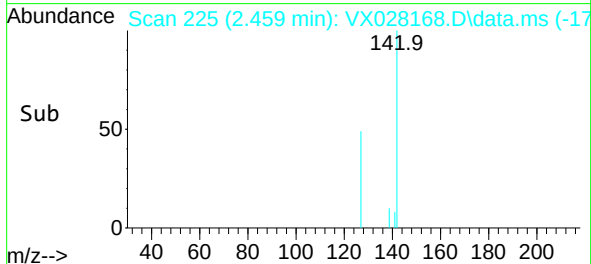


#10
Methyl Iodide
Concen: 5.540 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028168.D
Acq: 19 Apr 2022 18:57

Instrument :
MSVOA_X
ClientSampleId :
VX0419WBL02

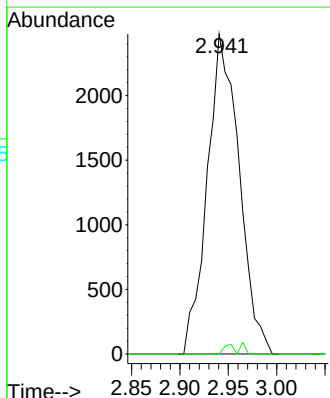
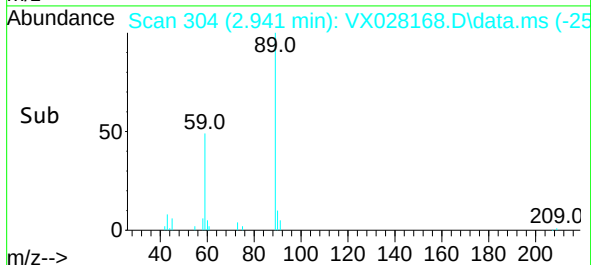
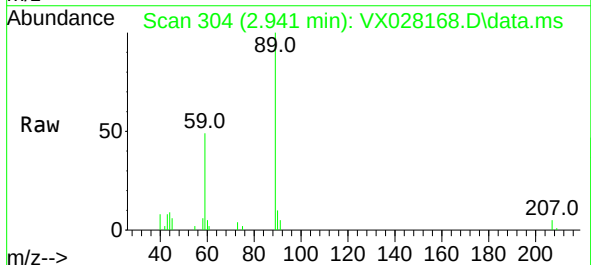


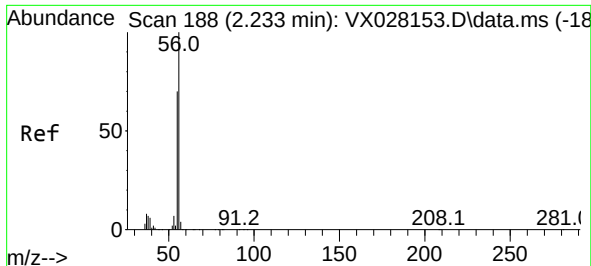
Tgt Ion:142 Resp: 1724
Ion Ratio Lower Upper
142 100
127 51.9 33.9 50.9#
141 13.4 11.4 17.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX028168.D
Acq: 19 Apr 2022 18:57

Tgt Ion: 59 Resp: 5680
Ion Ratio Lower Upper
59 100
57 0.9 8.3 12.5#

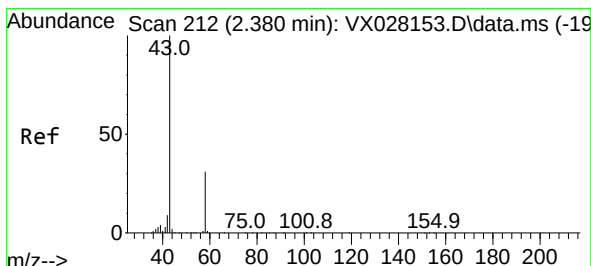
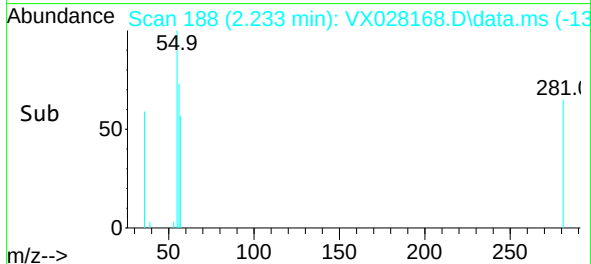
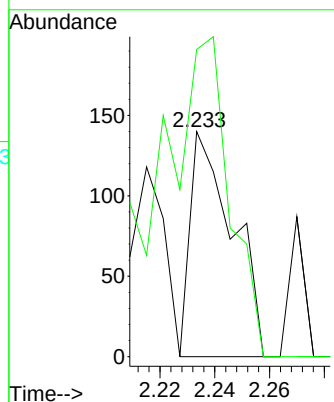
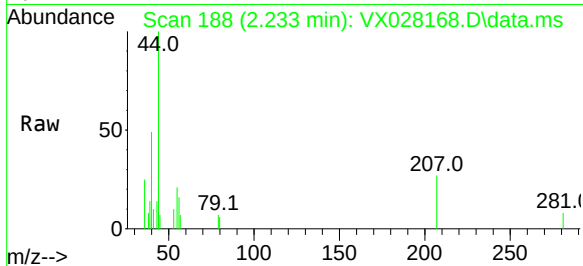




#13
Acrolein
Concen: 0.206 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028168.D
Acq: 19 Apr 2022 18:57

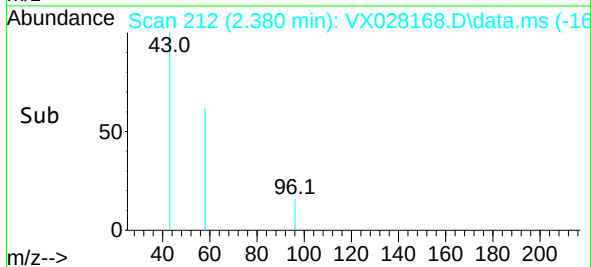
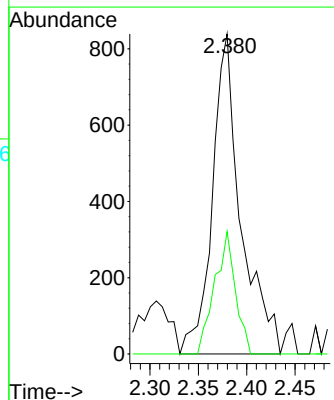
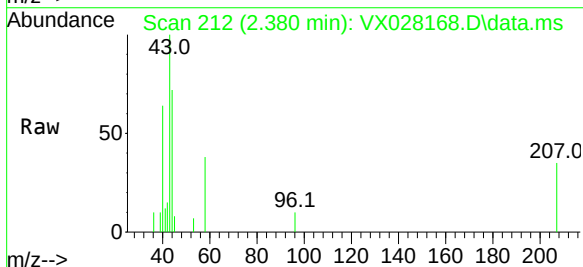
Instrument :
MSVOA_X
ClientSampleId :
VX0419WBL02

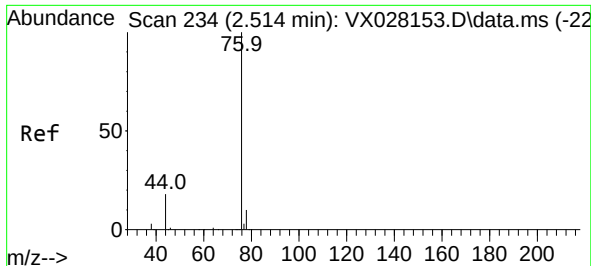
Tgt Ion: 56 Resp: 150
Ion Ratio Lower Upper
56 100
55 193.3 55.0 82.6#



#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028168.D
Acq: 19 Apr 2022 18:57

Tgt Ion: 43 Resp: 1713
Ion Ratio Lower Upper
43 100
58 38.3 28.8 43.2

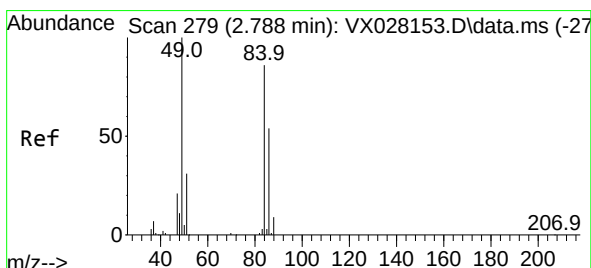
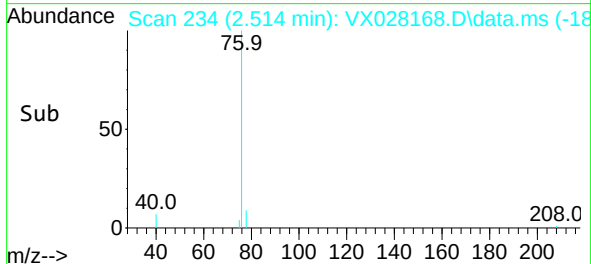
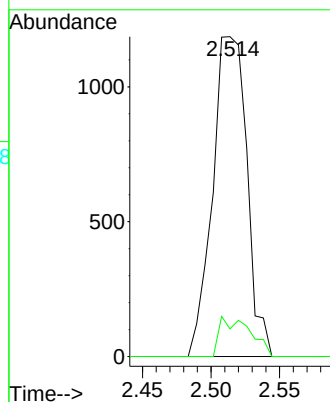
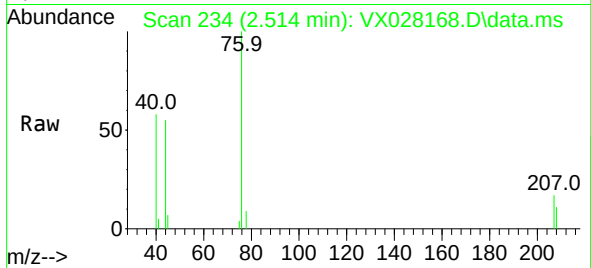




#17
Carbon Disulfide
Concen: 0.219 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028168.D
Acq: 19 Apr 2022 18:57

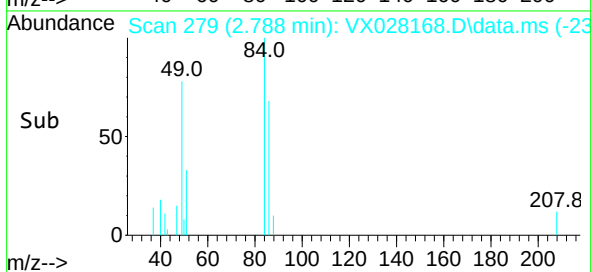
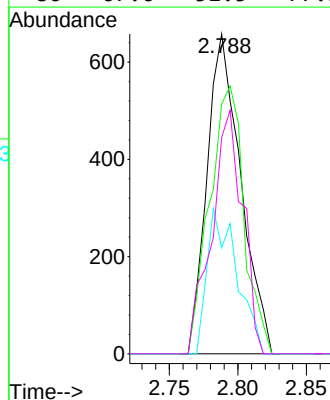
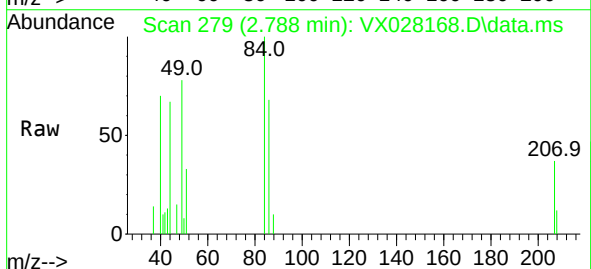
Instrument :
MSVOA_X
ClientSampleId :
VX0419WBL02

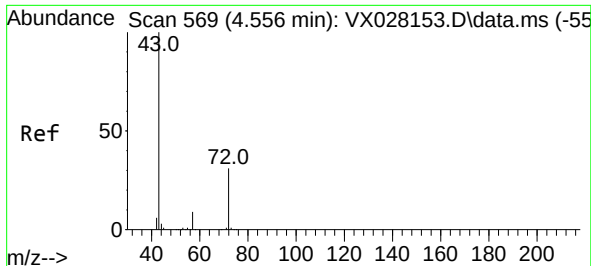
Tgt Ion: 76 Resp: 2071
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#20
Methylene Chloride
Concen: 0.255 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028168.D
Acq: 19 Apr 2022 18:57

Tgt Ion: 84 Resp: 1128
Ion Ratio Lower Upper
84 100
49 78.1 85.5 128.3#
51 33.1 26.6 39.8
86 67.6 51.5 77.3





#25

2-Butanone

Concen: 0.212 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX028168.D

Acq: 19 Apr 2022 18:57

Instrument :

MSVOA_X

ClientSampleId :

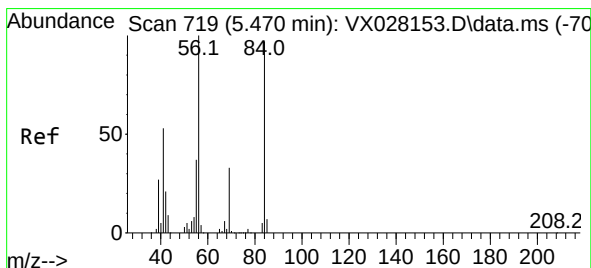
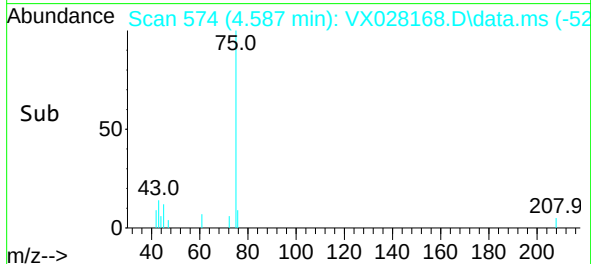
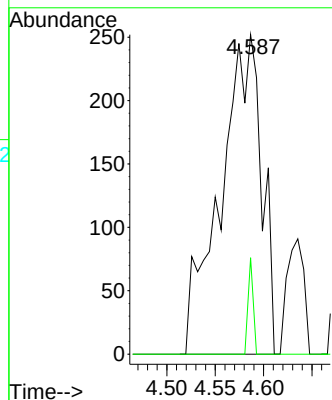
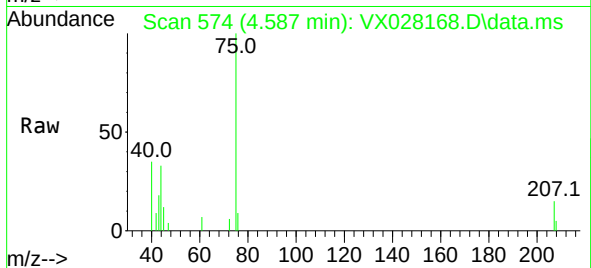
VX0419WBL02

Tgt Ion: 43 Resp: 746

Ion Ratio Lower Upper

43 100

72 30.2 24.4 36.6



#31

Cyclohexane

Concen: 1.143 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028168.D

Acq: 19 Apr 2022 18:57

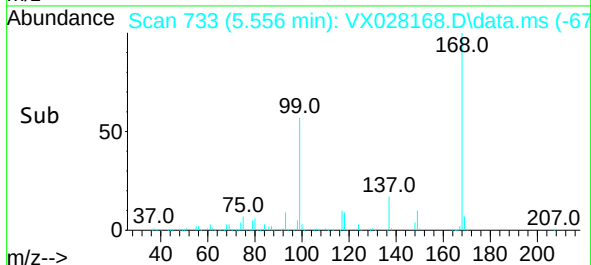
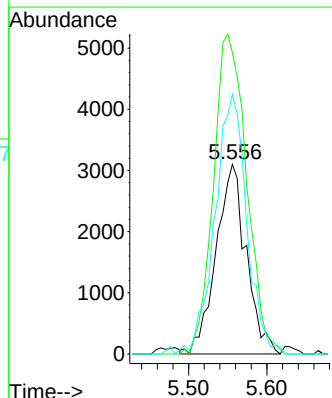
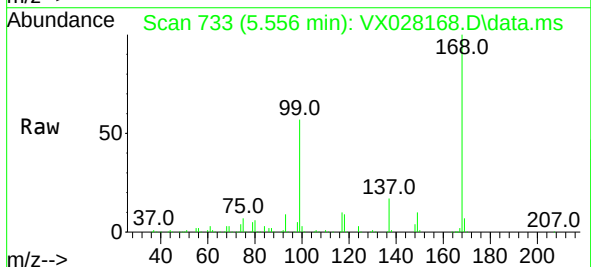
Tgt Ion: 56 Resp: 8292

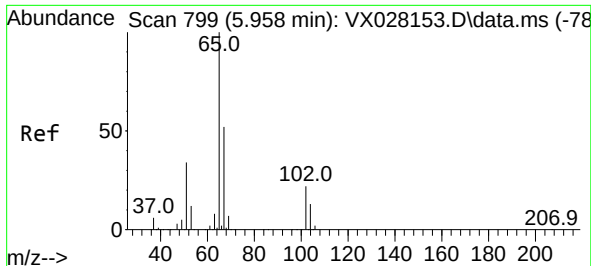
Ion Ratio Lower Upper

56 100

69 158.9 26.7 40.1#

84 134.6 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 44.750 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028168.D

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Instrument :

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ClientSampleId :

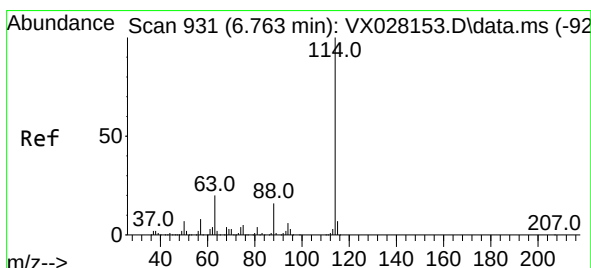
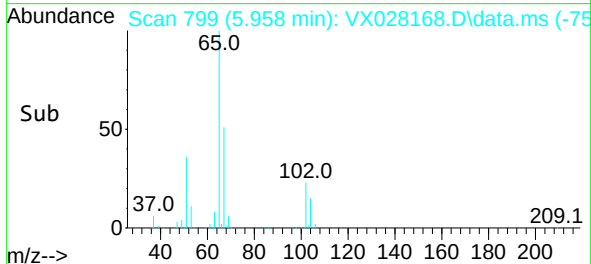
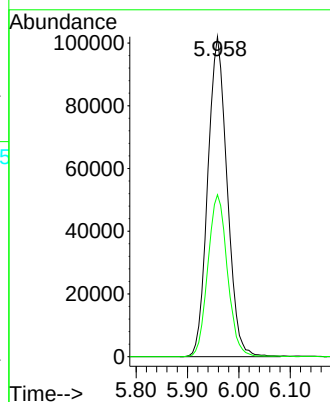
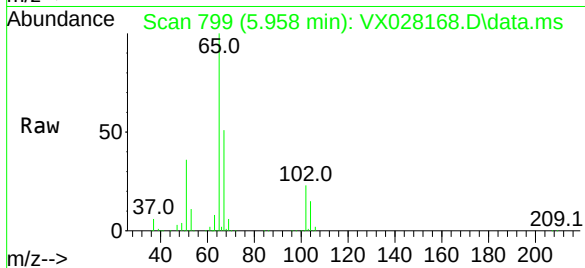
VX0419WBL02

Tgt Ion: 65 Resp: 266479

Ion Ratio Lower Upper

65 100

67 51.2 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: VX028168.D

Acq: 19 Apr 2022 18:57

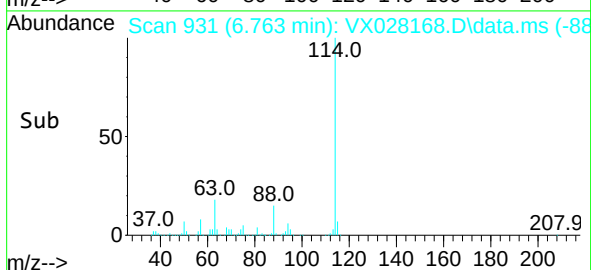
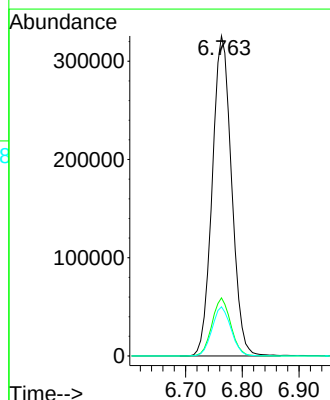
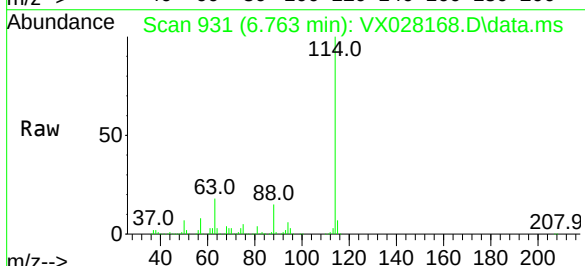
Tgt Ion: 114 Resp: 771543

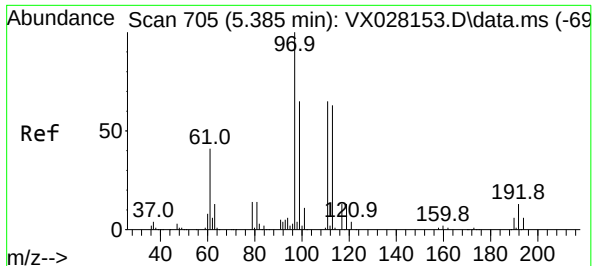
Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.8

88 15.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.500 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028168.D

Acq: 19 Apr 2022 18:57

Instrument :

MSVOA_X

ClientSampleId :

VX0419WBL02

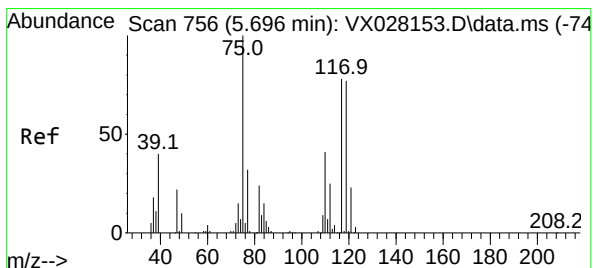
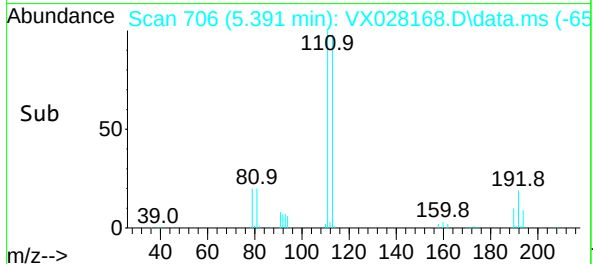
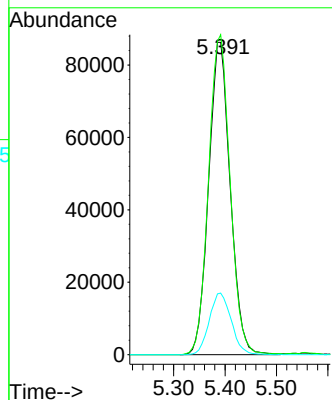
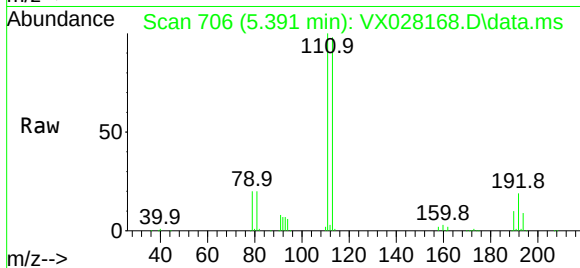
Tgt Ion:113 Resp: 251599

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 20.1 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.715 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028168.D

Acq: 19 Apr 2022 18:57

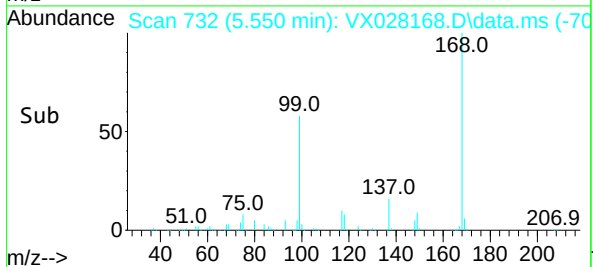
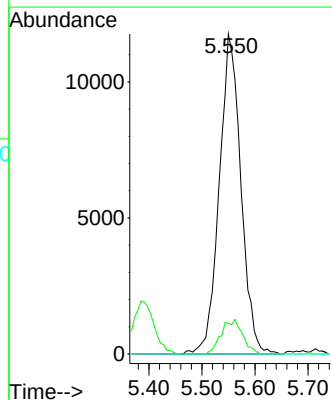
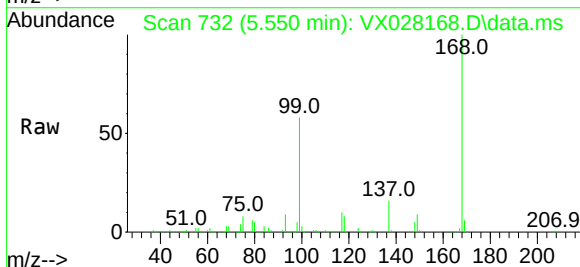
Tgt Ion: 75 Resp: 33278

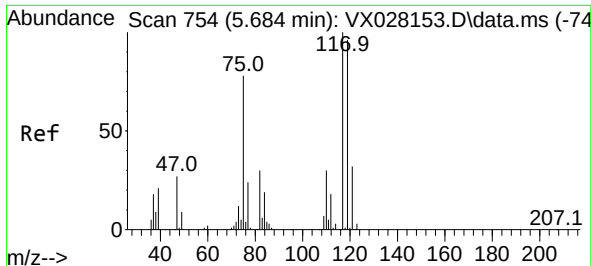
Ion Ratio Lower Upper

75 100

110 10.6 18.3 54.8#

77 0.0 24.8 37.2#

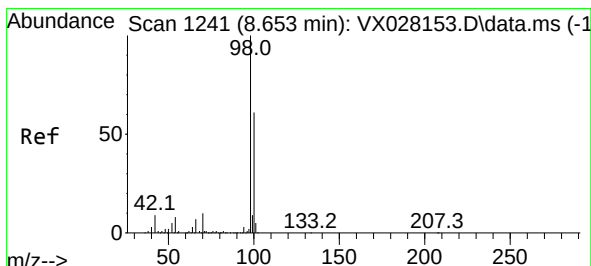
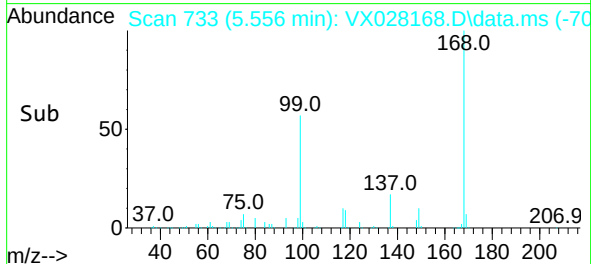
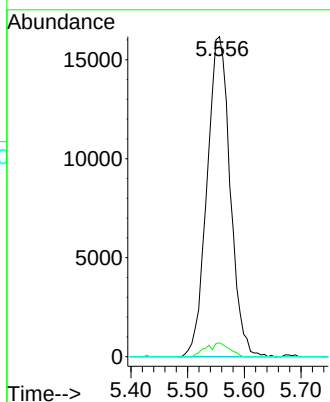
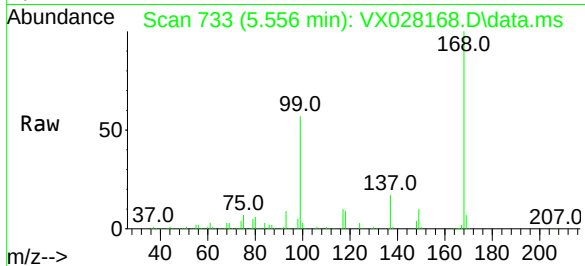




#38
Carbon Tetrachloride
Concen: 5.763 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028168.D
Acq: 19 Apr 2022 18:57

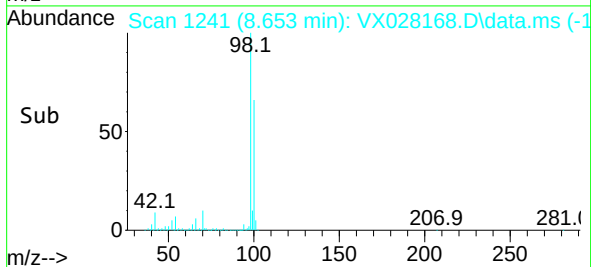
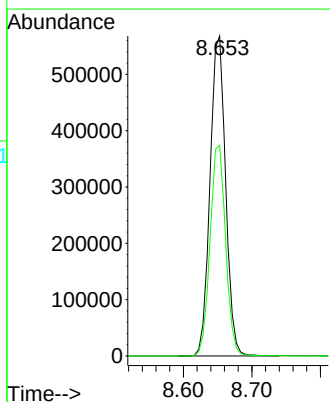
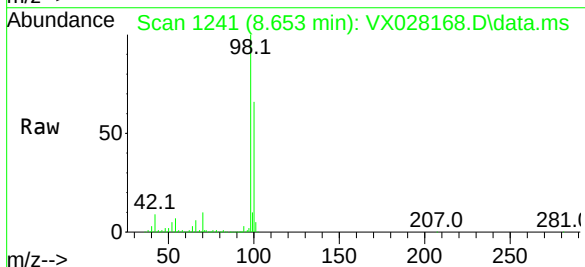
Instrument :
MSVOA_X
ClientSampleId :
VX0419WBL02

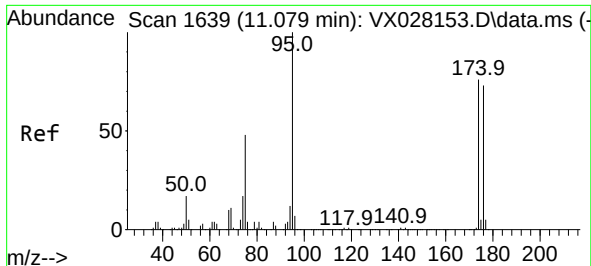
Tgt Ion:117 Resp: 45913
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 43.259 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028168.D
Acq: 19 Apr 2022 18:57

Tgt Ion: 98 Resp: 899000
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 42.658 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028168.D

Acq: 19 Apr 2022 18:57

Instrument :

MSVOA_X

ClientSampleId :

VX0419WBL02

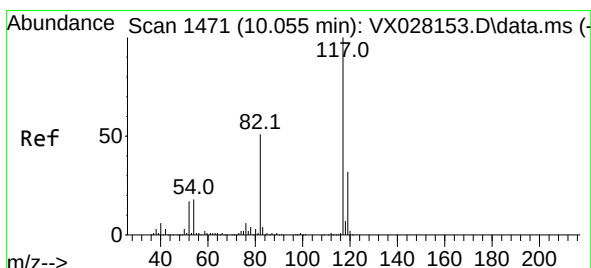
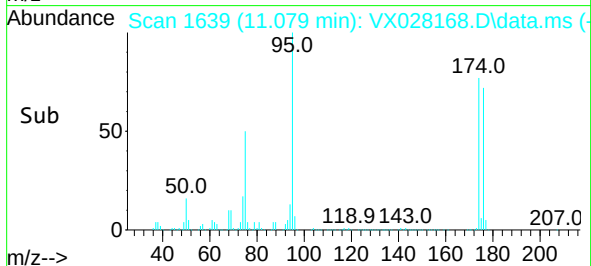
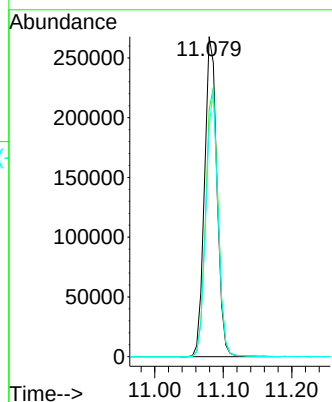
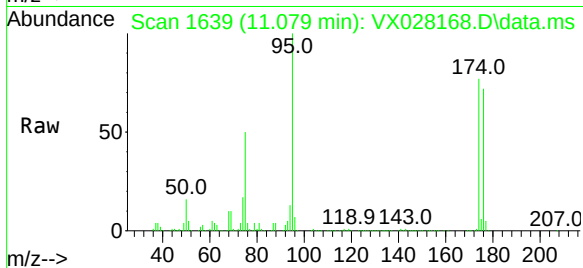
Tgt Ion: 95 Resp: 338963

Ion Ratio Lower Upper

95 100

174 84.3 0.0 163.0

176 80.7 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: VX028168.D

Acq: 19 Apr 2022 18:57

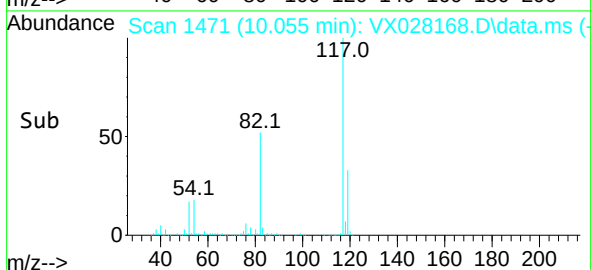
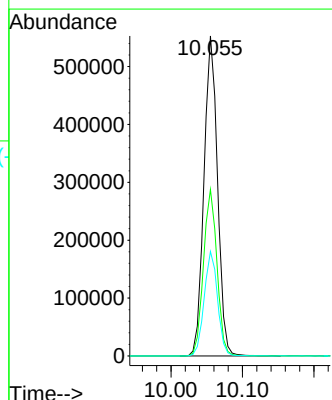
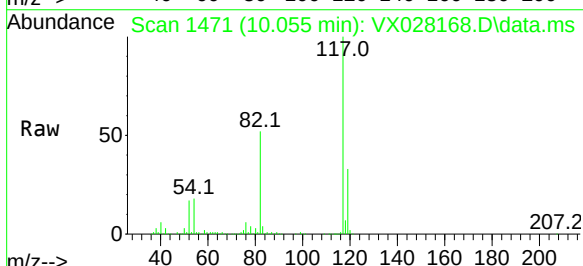
Tgt Ion: 117 Resp: 729400

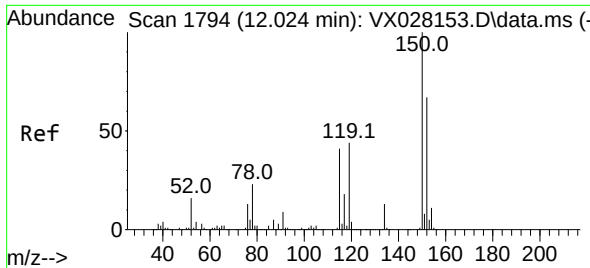
Ion Ratio Lower Upper

117 100

82 52.0 41.8 62.8

119 32.6 24.8 37.2

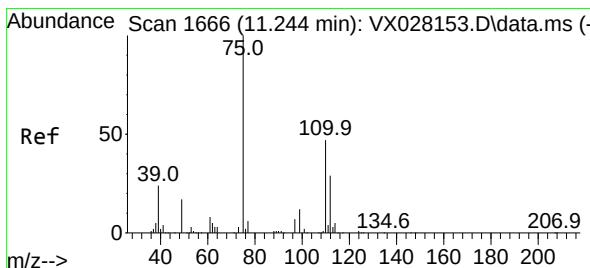
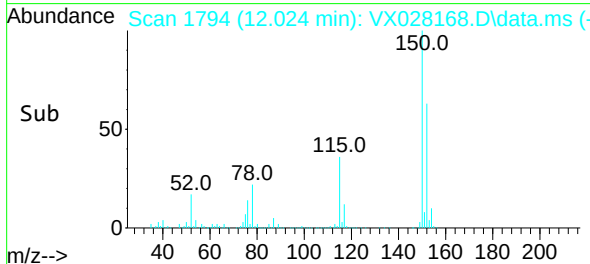
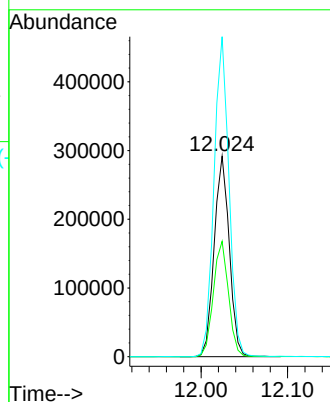
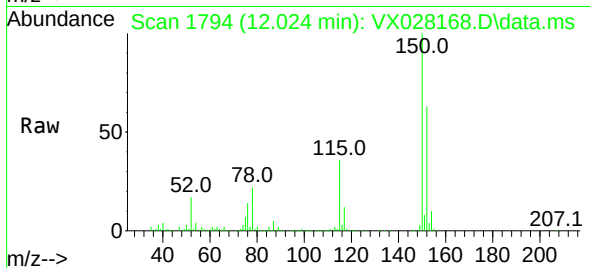




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028168.D
 Acq: 19 Apr 2022 18:57

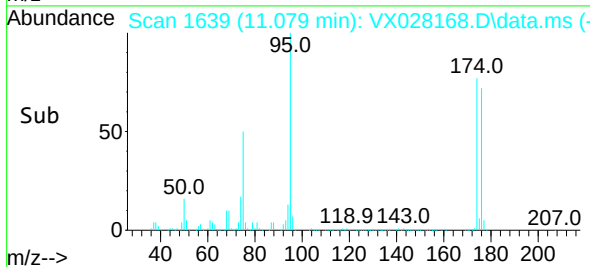
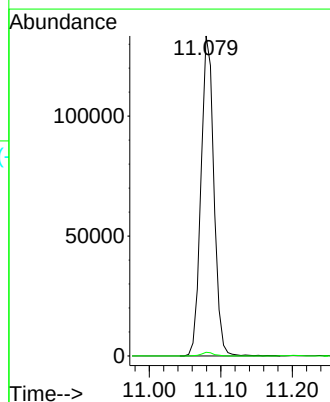
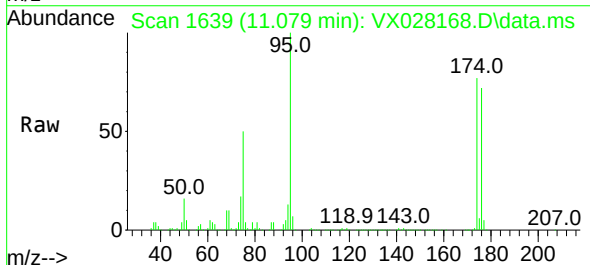
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419WBL02

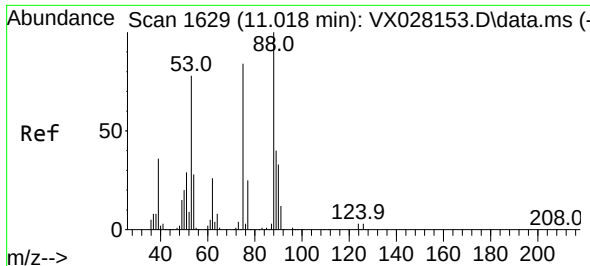
Tgt Ion:152 Resp: 353680
 Ion Ratio Lower Upper
 152 100
 115 57.7 37.5 112.7
 150 157.8 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 24.094 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028168.D
 Acq: 19 Apr 2022 18:57

Tgt Ion: 75 Resp: 167712
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#

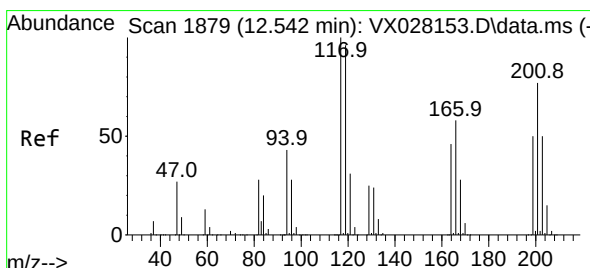
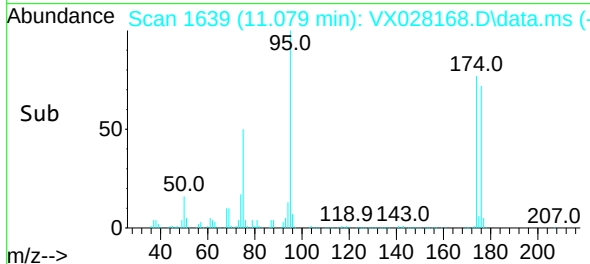
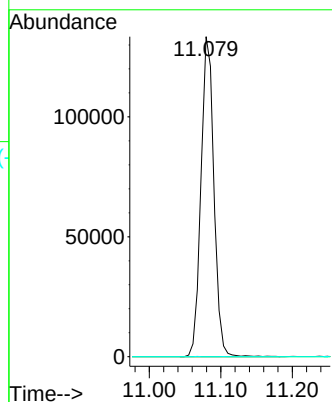
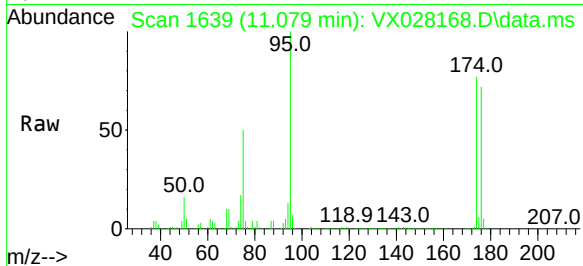




#81
trans-1,4-Dichloro-2-butene
Concen: 71.602 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028168.D
Acq: 19 Apr 2022 18:57

Instrument :
MSVOA_X
ClientSampleId :
VX0419WBL02

Tgt Ion: 75 Resp: 167712
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 1.821 ug/l
RT: 12.543 min Scan# 1879
Delta R.T. 0.001 min
Lab File: VX028168.D
Acq: 19 Apr 2022 18:57

Tgt Ion: 117 Resp: 31
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

