

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
 Data File : VX029710.D
 Acq On : 22 Jun 2022 19:30
 Operator : JC/MD
 Sample : N3202-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-25

Quant Time: Jun 23 01:11:02 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)

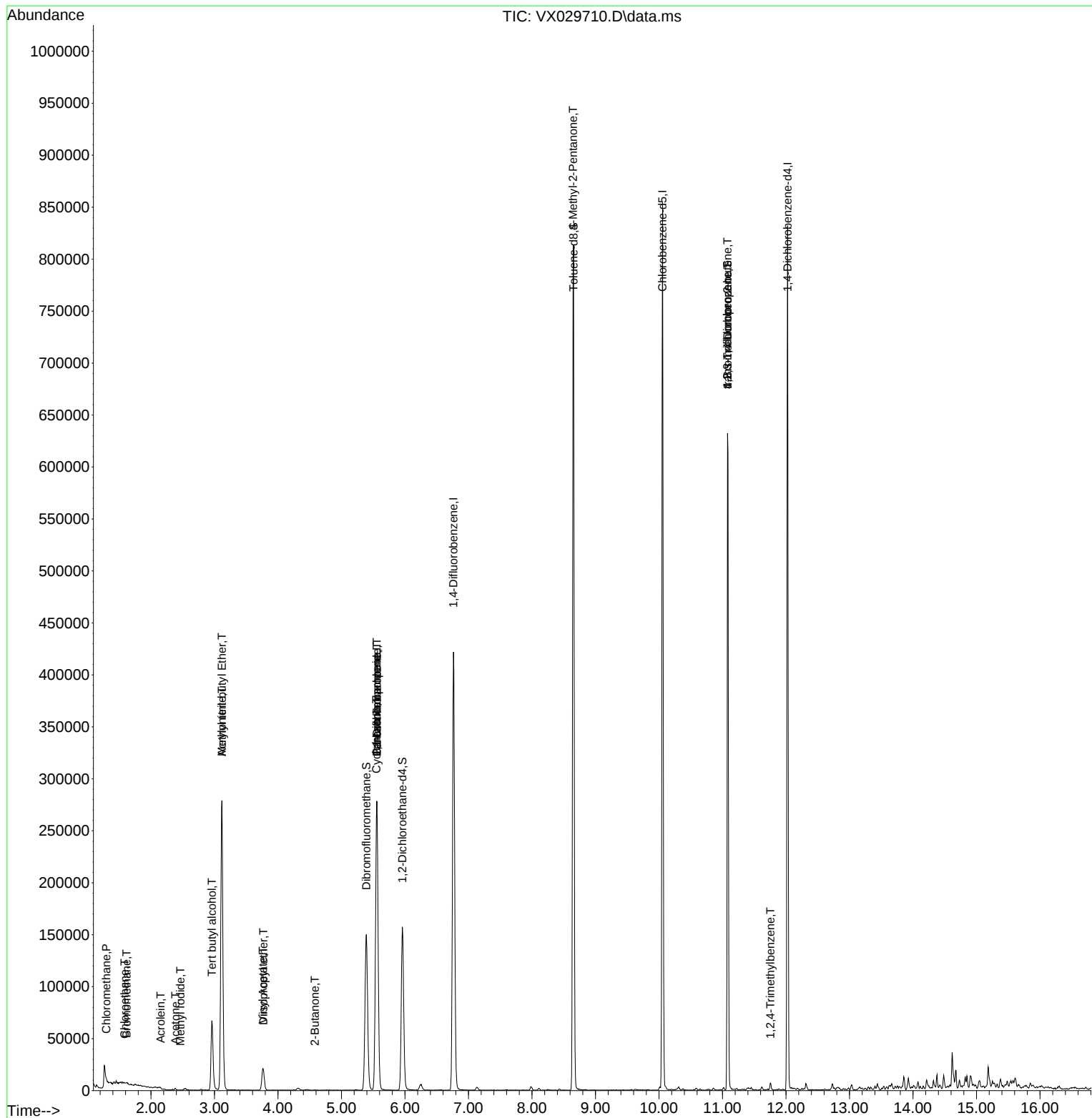
Internal Standards						
1) Pentafluorobenzene	5.556	168	272712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	454494	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	394186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	177366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	148405	41.110	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	82.220%
35) Dibromofluoromethane	5.391	113	134192	45.307	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.620%
50) Toluene-d8	8.653	98	514785	47.576	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.160%
62) 4-Bromofluorobenzene	11.079	95	186163	45.623	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.240%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	1465	0.412	ug/l #	80
5) Bromomethane	1.618	94	512	0.306	ug/l	84
6) Chloroethane	1.587	64	2180	2.121	ug/l #	62
10) Methyl Iodide	2.465	142	191	3.073	ug/l #	41
11) Tert butyl alcohol	2.959	59	84991	102.580	ug/l	99
13) Acrolein	2.154	56	54	0.272	ug/l #	15
15) Acrylonitrile	3.117	53	3005	1.780	ug/l #	26
16) Acetone	2.386	43	1574	1.094	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	328197	34.217	ug/l	99
22) Diisopropyl ether	3.770	45	23699	2.686	ug/l #	83
23) Vinyl Acetate	3.764	43	11426	1.551	ug/l #	66
25) 2-Butanone	4.581	43	500	0.220	ug/l #	44
31) Cyclohexane	5.550	56	4804	0.991	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	19584	4.885	ug/l #	49
38) Carbon Tetrachloride	5.556	117	27544	6.987	ug/l #	16
44) Trichloroethene	7.135	130	1277	Below Cal		93
51) 4-Methyl-2-Pentanone	8.647	43	1811	0.440	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	88035	22.784	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	88035	75.796	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	3288	0.294	ug/l	93

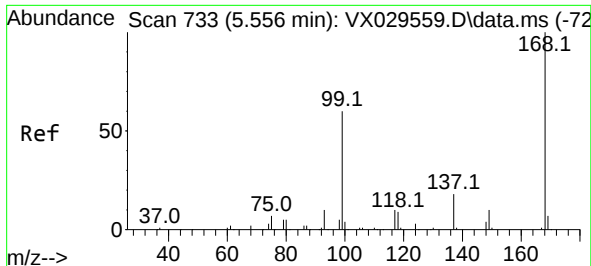
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
MW-25

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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

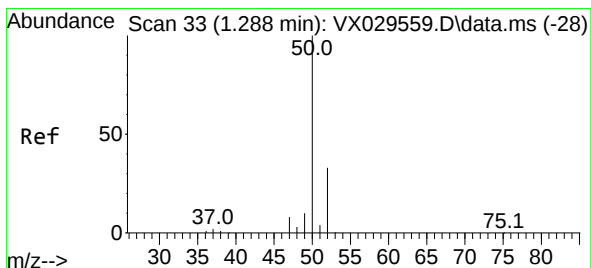
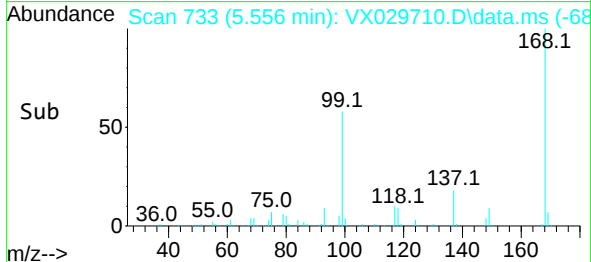
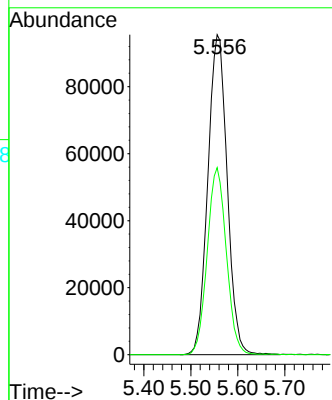
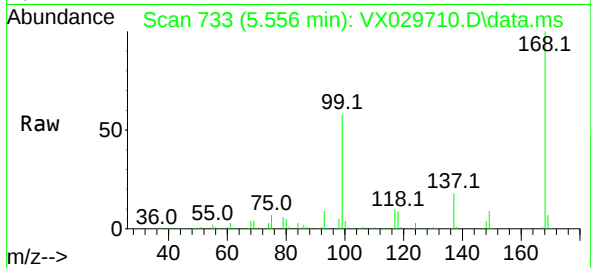




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

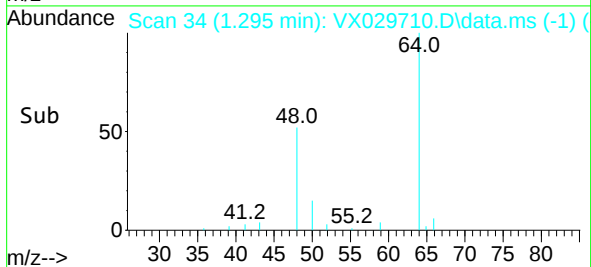
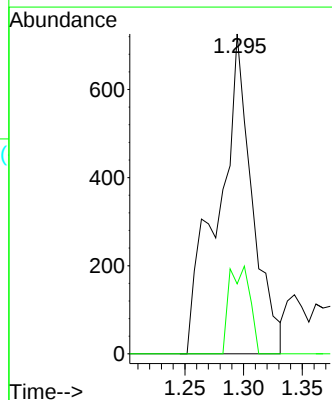
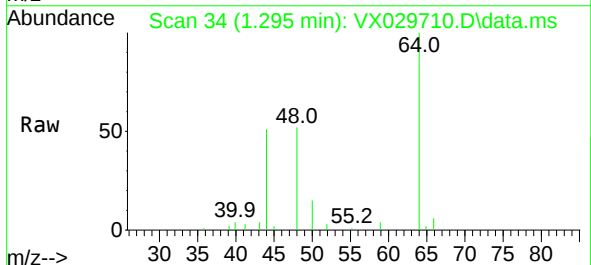
Instrument :
MSVOA_X
ClientSampleId :
MW-25

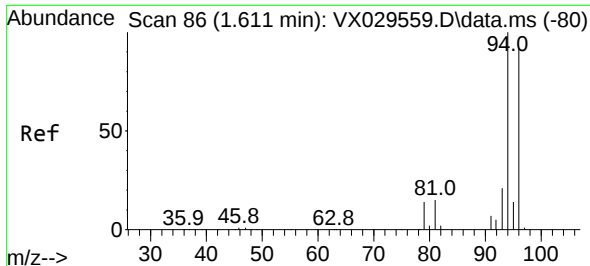
Tgt Ion:168 Resp: 272712
Ion Ratio Lower Upper
168 100
99 58.5 41.7 62.5



#3
Chloromethane
Concen: 0.412 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

Tgt Ion: 50 Resp: 1465
Ion Ratio Lower Upper
50 100
52 21.9 26.4 39.6#

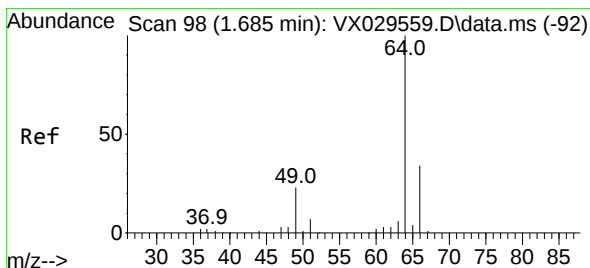
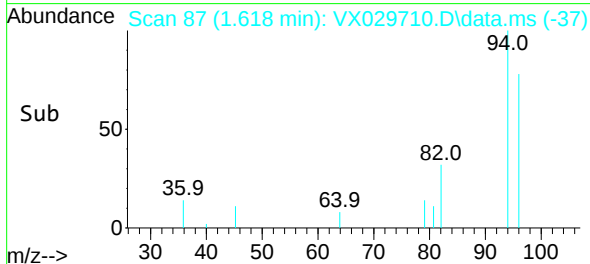
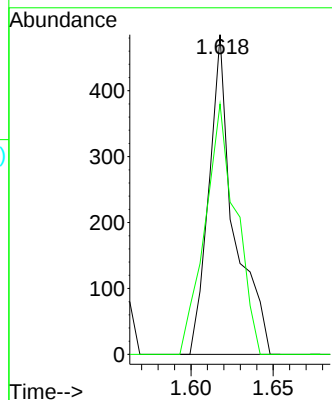
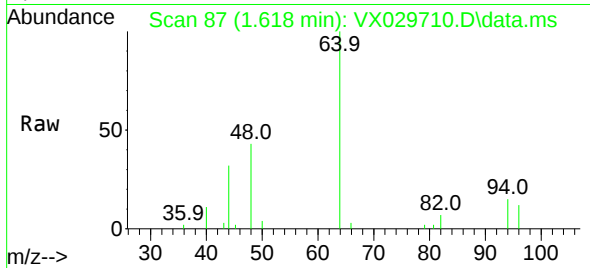




#5
Bromomethane
Concen: 0.306 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

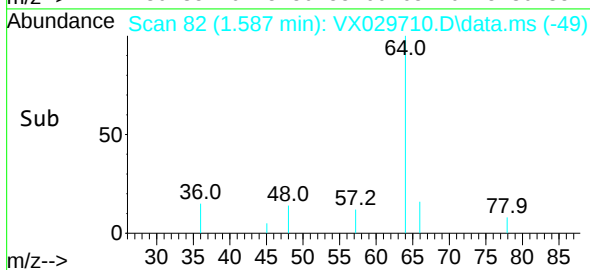
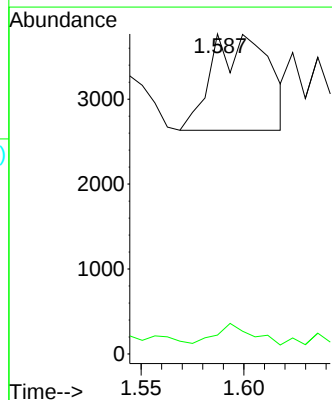
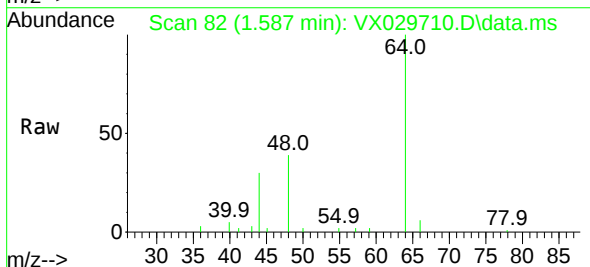
Instrument :
MSVOA_X
ClientSampleId :
MW-25

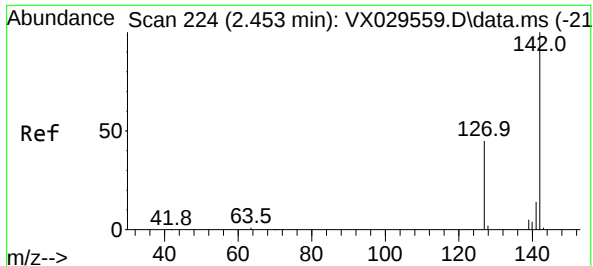
Tgt Ion: 94 Resp: 512
Ion Ratio Lower Upper
94 100
96 78.4 75.3 112.9



#6
Chloroethane
Concen: 2.121 ug/l
RT: 1.587 min Scan# 82
Delta R.T. -0.098 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

Tgt Ion: 64 Resp: 2180
Ion Ratio Lower Upper
64 100
66 10.3 25.3 37.9#

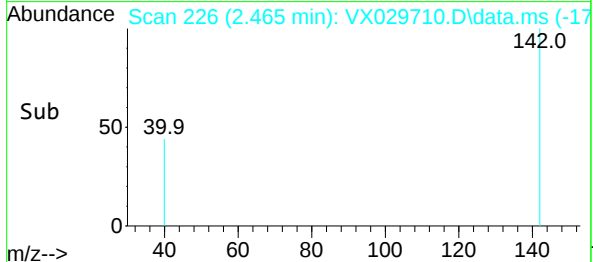
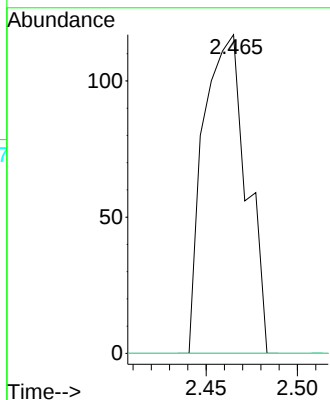
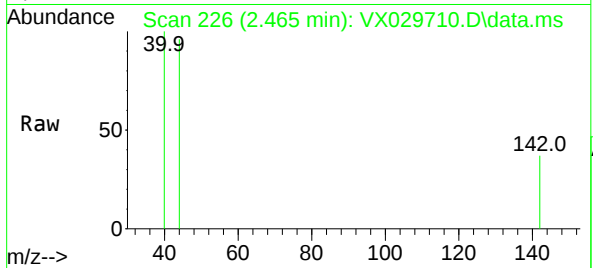




#10
Methyl Iodide
Concen: 3.073 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

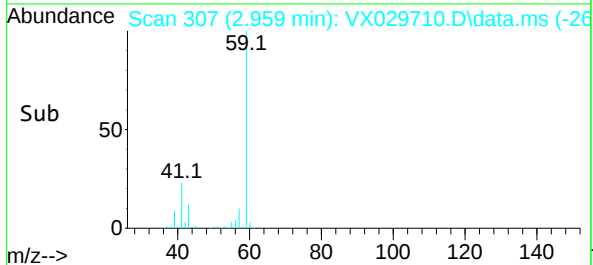
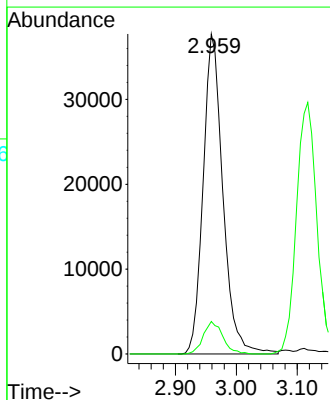
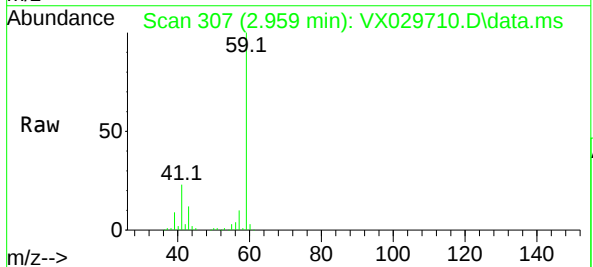
Instrument :
MSVOA_X
ClientSampleId :
MW-25

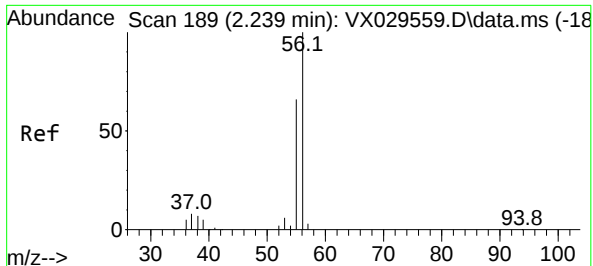
Tgt Ion:142 Resp: 191
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 102.580 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

Tgt Ion: 59 Resp: 84991
Ion Ratio Lower Upper
59 100
57 10.0 8.3 12.5

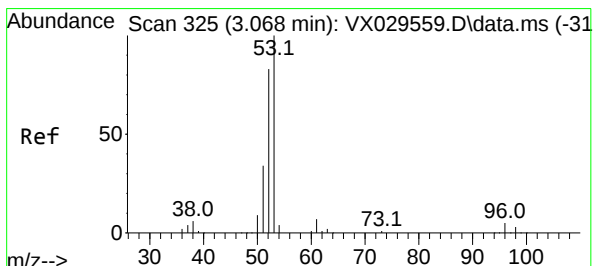
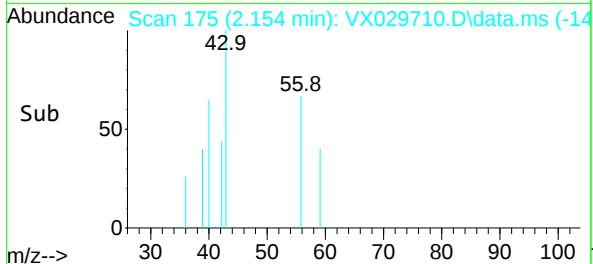
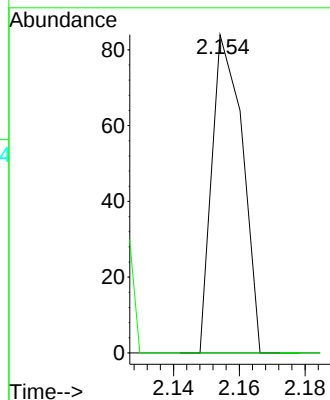
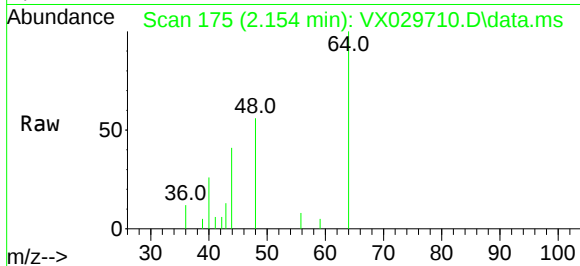




#13
Acrolein
Concen: 0.272 ug/l
RT: 2.154 min Scan# 11
Delta R.T. -0.085 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

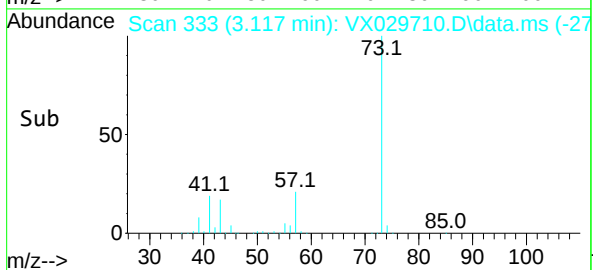
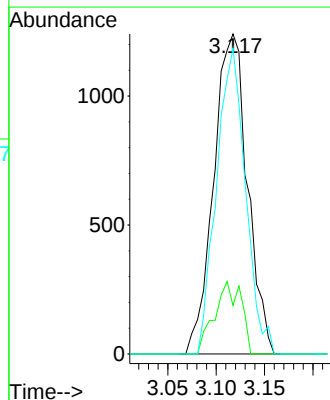
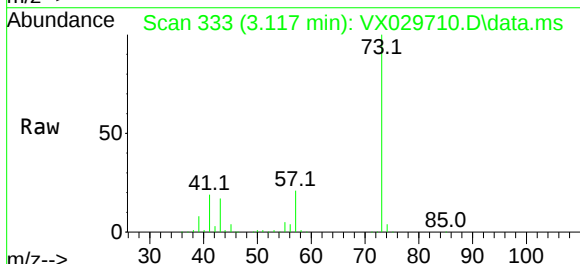
Instrument :
MSVOA_X
ClientSampleId :
MW-25

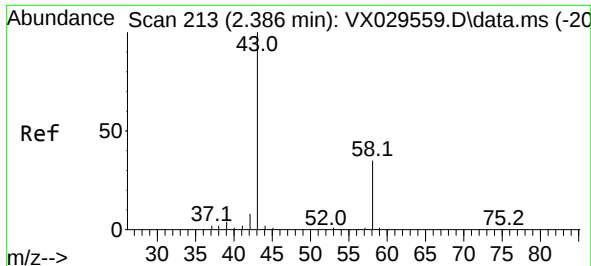
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.6#



#15
Acrylonitrile
Concen: 1.780 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.049 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

Tgt Ion: 53 Resp: 3005
Ion Ratio Lower Upper
53 100
52 17.8 65.7 98.5#
51 82.0 28.4 42.6#

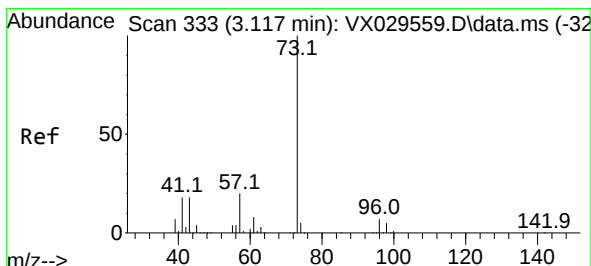
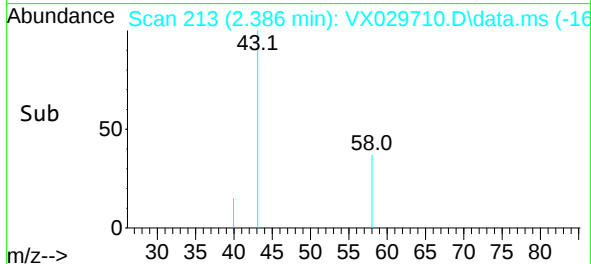
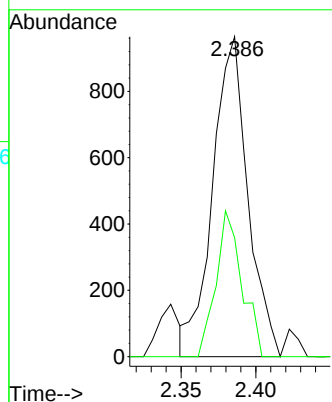
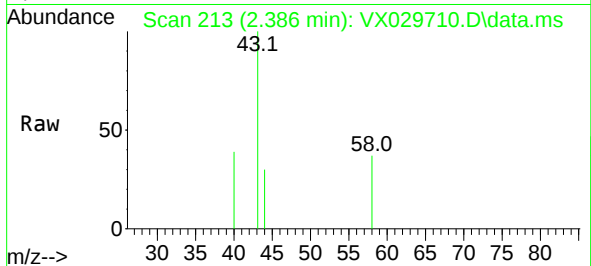




#16
Acetone
Concen: 1.094 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

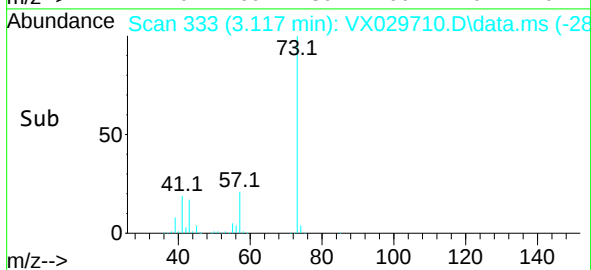
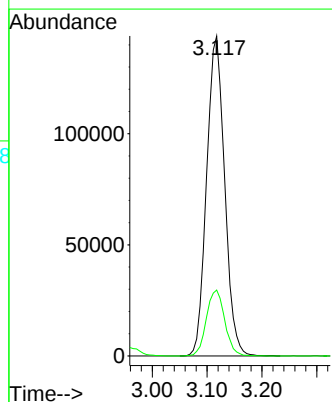
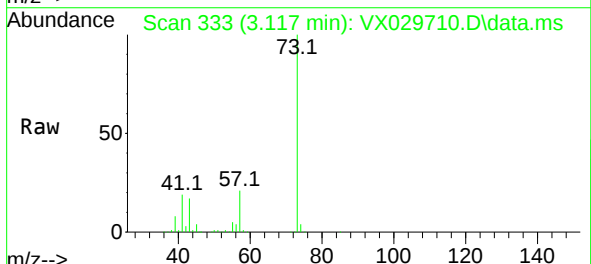
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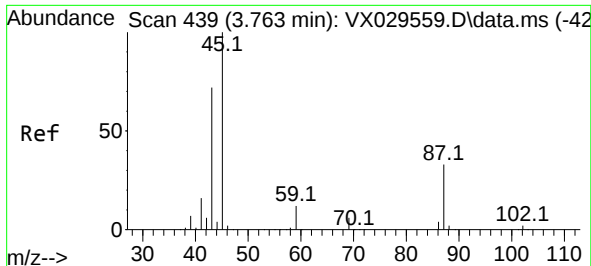
Tgt Ion: 43 Resp: 1574
Ion Ratio Lower Upper
43 100
58 37.2 28.8 43.2



#19
Methyl tert-butyl Ether
Concen: 34.217 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

Tgt Ion: 73 Resp: 328197
Ion Ratio Lower Upper
73 100
57 20.6 16.8 25.2





#22

Diisopropyl ether

Concen: 2.686 ug/l

RT: 3.770 min Scan# 440

Delta R.T. 0.007 min

Lab File: VX029710.D

Acq: 22 Jun 2022 19:30

Instrument :

MSVOA_X

ClientSampleId :

MW-25

Tgt Ion: 45 Resp: 23699

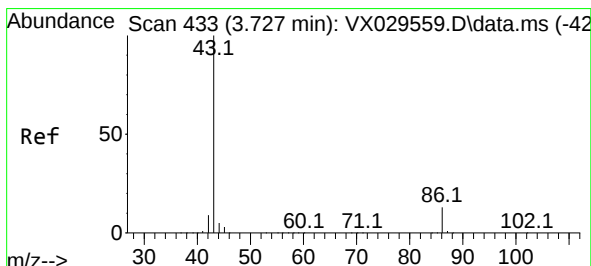
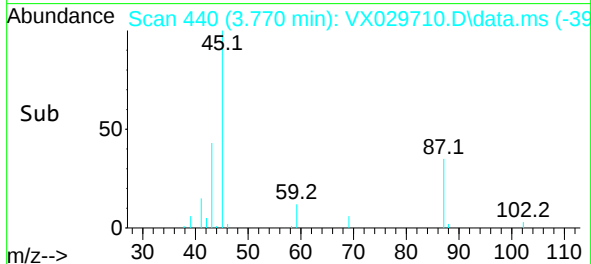
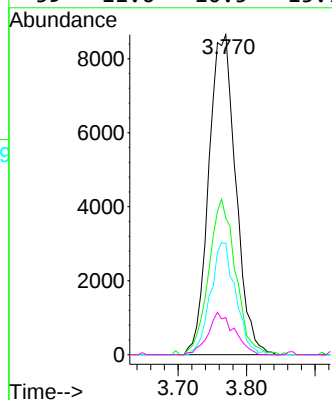
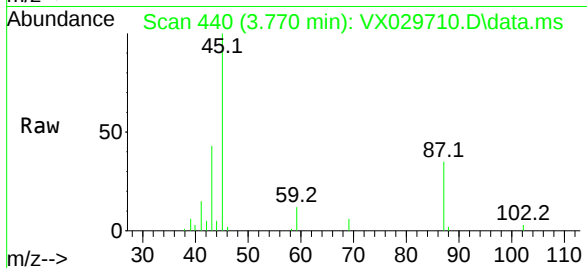
Ion Ratio Lower Upper

45 100

43 42.6 50.8 76.2#

87 34.7 26.6 39.8

59 11.6 10.5 15.7



#23

Vinyl Acetate

Concen: 1.551 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.037 min

Lab File: VX029710.D

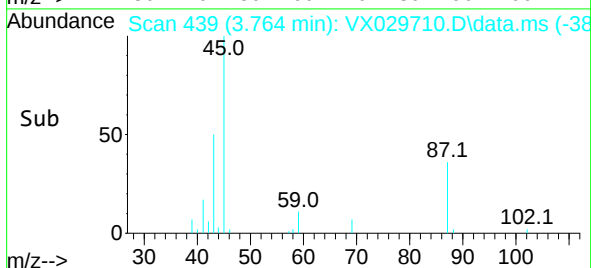
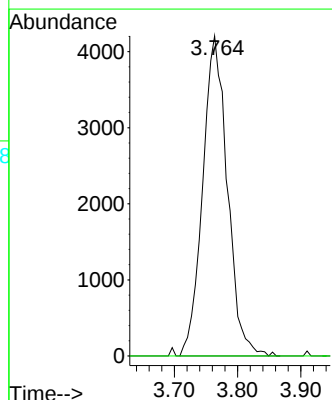
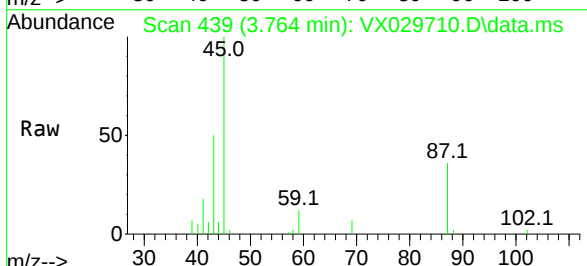
Acq: 22 Jun 2022 19:30

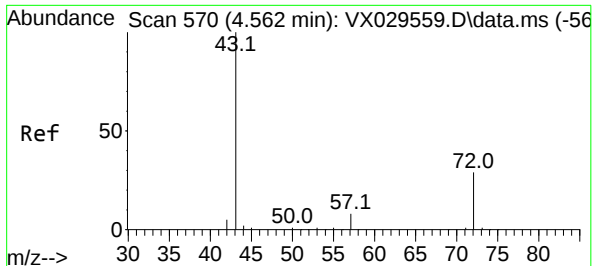
Tgt Ion: 43 Resp: 11426

Ion Ratio Lower Upper

43 100

86 0.0 10.8 16.2#

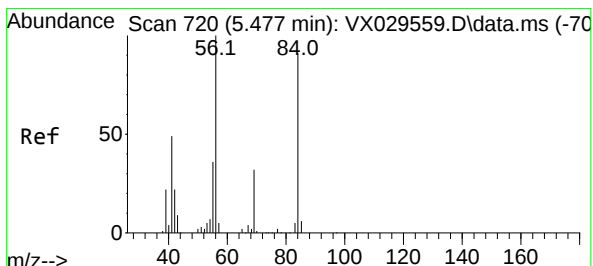
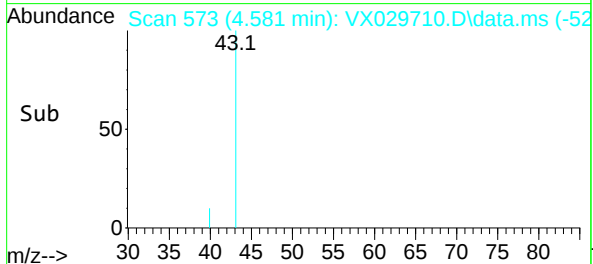
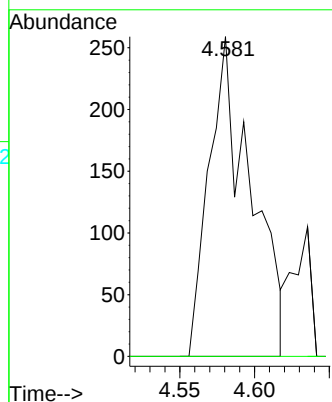
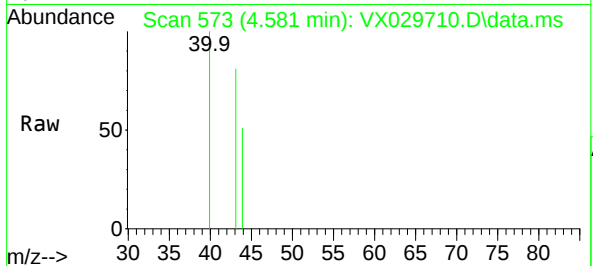




#25
2-Butanone
Concen: 0.220 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

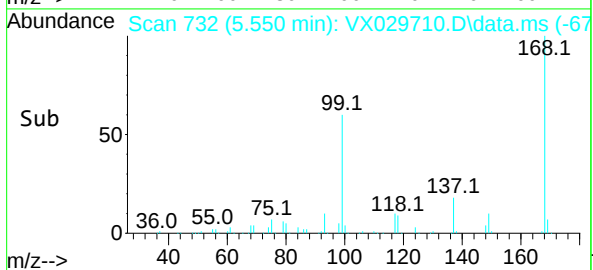
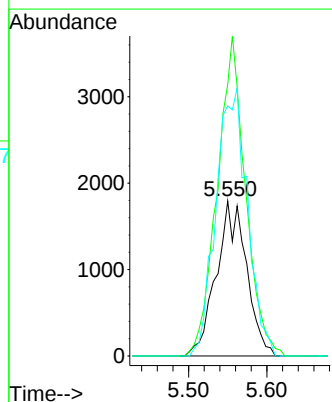
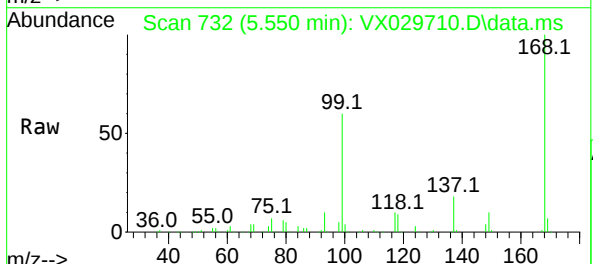
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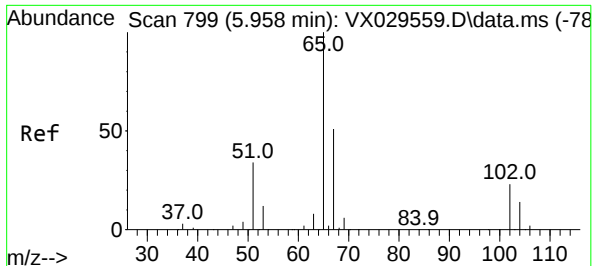
Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#



#31
Cyclohexane
Concen: 0.991 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

Tgt Ion: 56 Resp: 4804
Ion Ratio Lower Upper
56 100
69 175.0 26.7 40.1#
84 161.2 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 41.110 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029710.D

Acq: 22 Jun 2022 19:30

Instrument :

MSVOA_X

ClientSampleId :

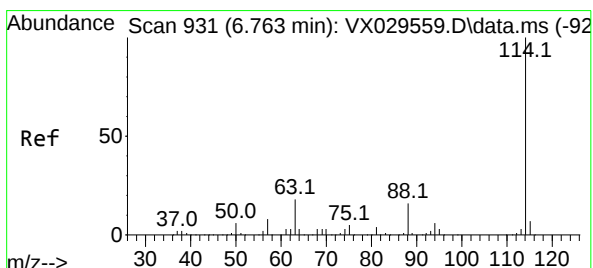
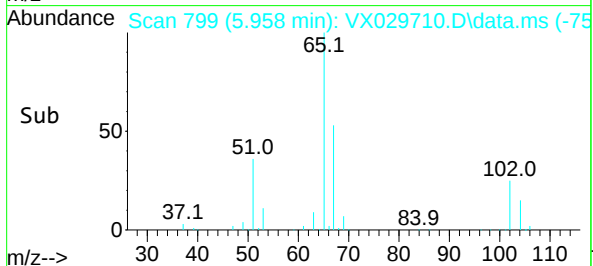
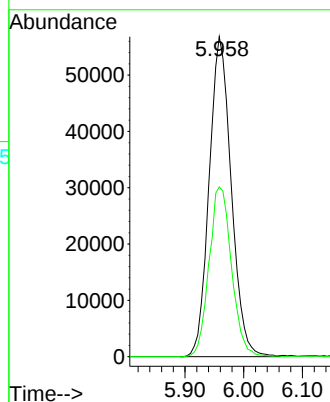
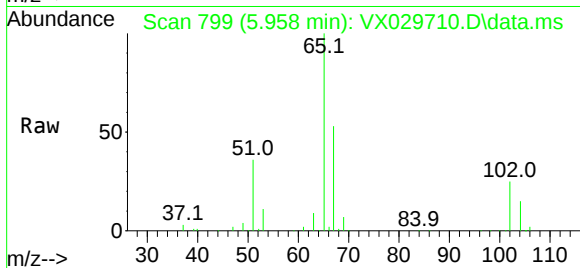
MW-25

Tgt Ion: 65 Resp: 148405

Ion Ratio Lower Upper

65 100

67 53.9 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: VX029710.D

Acq: 22 Jun 2022 19:30

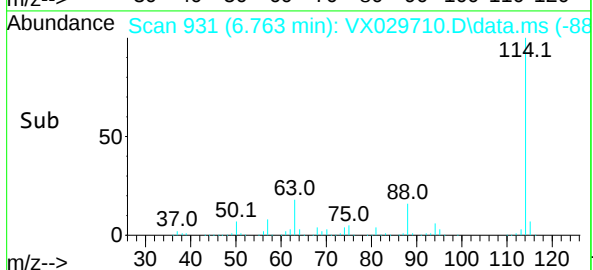
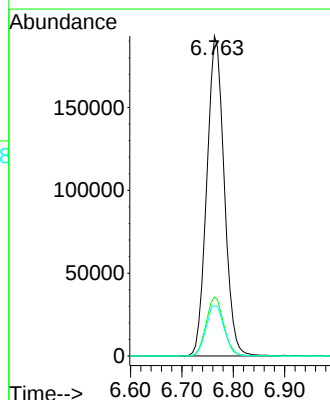
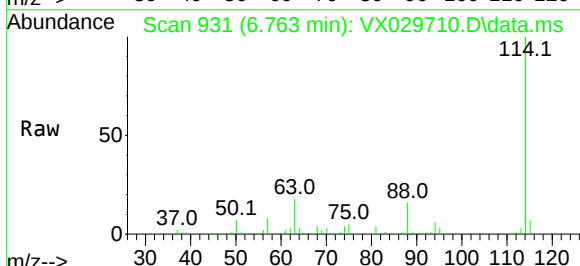
Tgt Ion: 114 Resp: 454494

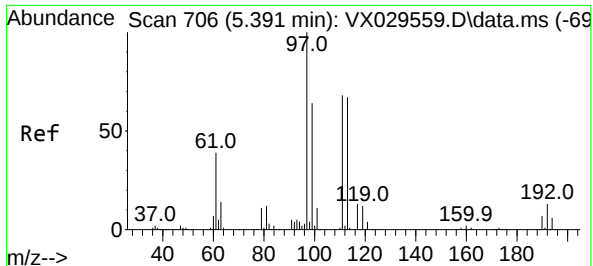
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 15.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 45.307 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029710.D

Acq: 22 Jun 2022 19:30

Instrument :

MSVOA_X

ClientSampleId :

MW-25

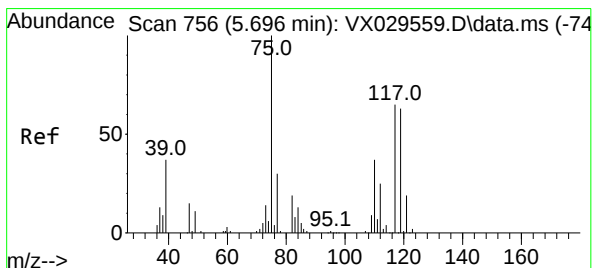
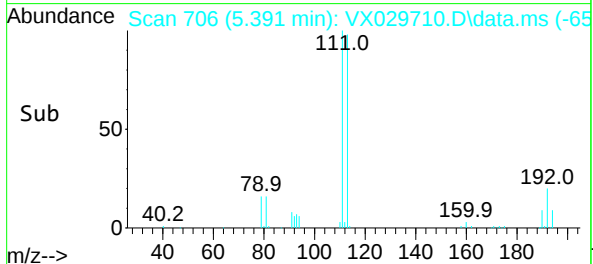
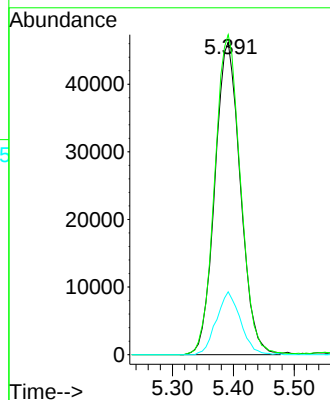
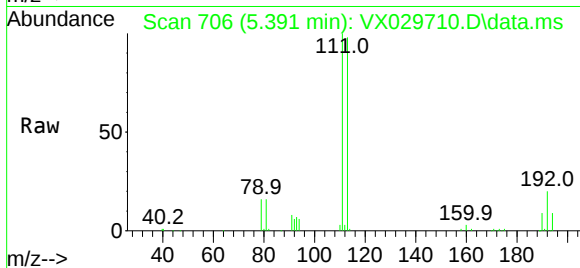
Tgt Ion:113 Resp: 134192

Ion Ratio Lower Upper

113 100

111 103.6 82.8 124.2

192 19.1 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.885 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029710.D

Acq: 22 Jun 2022 19:30

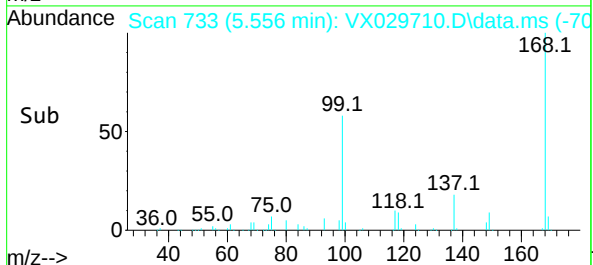
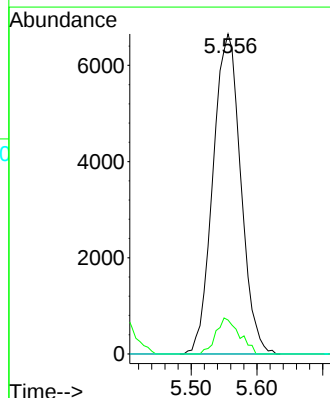
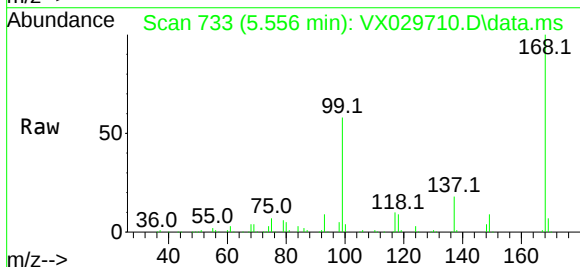
Tgt Ion: 75 Resp: 19584

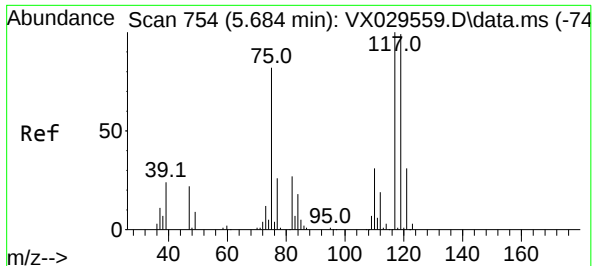
Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

77 0.0 24.8 37.2#

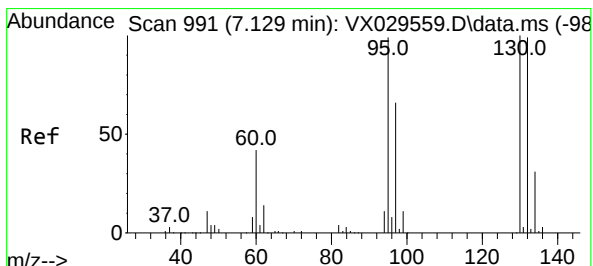
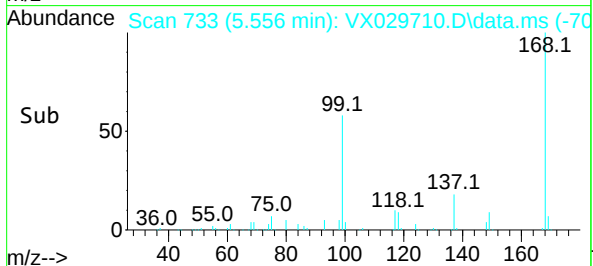
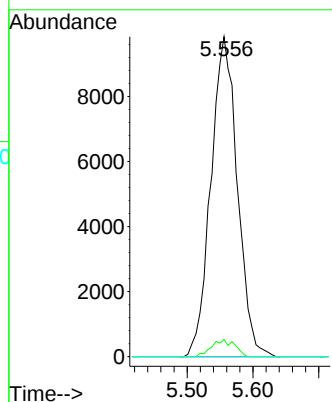
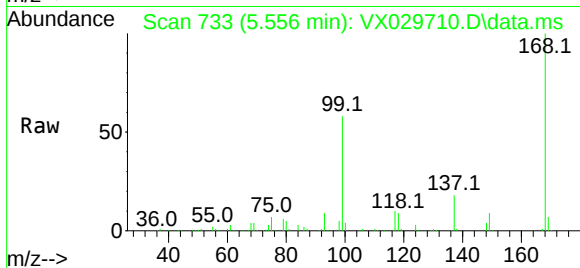




#38
Carbon Tetrachloride
Concen: 6.987 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

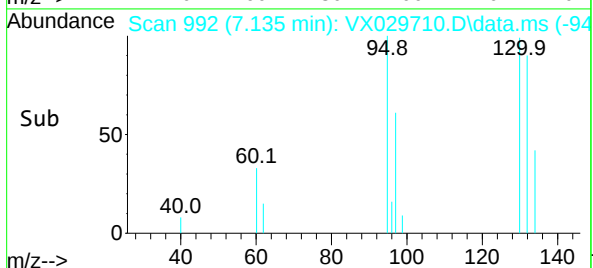
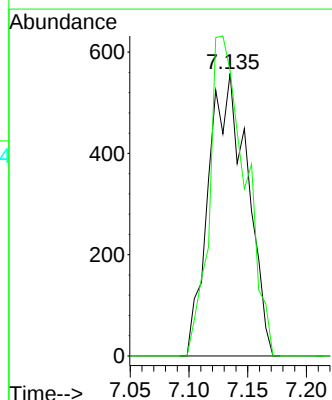
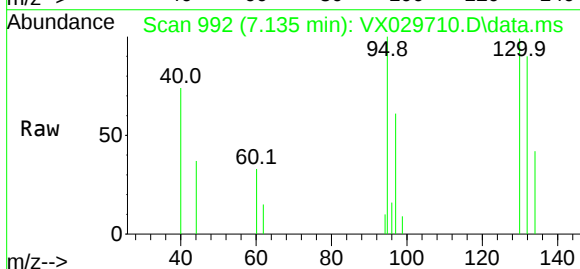
Instrument :
MSVOA_X
ClientSampleId :
MW-25

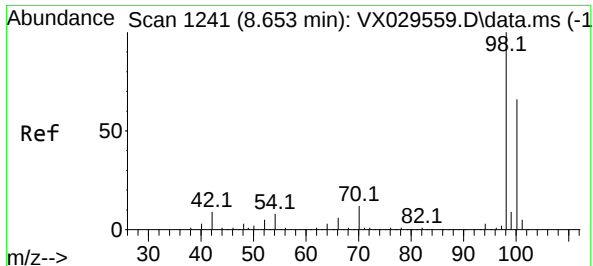
Tgt Ion:117 Resp: 27544
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: Below Cal
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

Tgt Ion:130 Resp: 1277
Ion Ratio Lower Upper
130 100
95 100.9 0.0 188.8





#50

Toluene-d8

Concen: 47.576 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX029710.D

Acq: 22 Jun 2022 19:30

Instrument :

MSVOA_X

ClientSampleId :

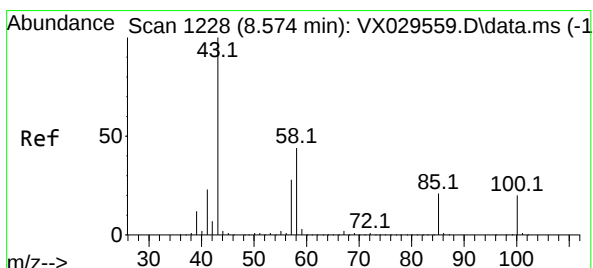
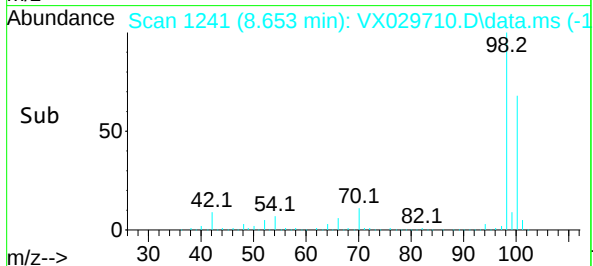
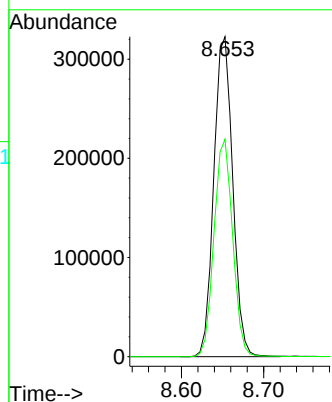
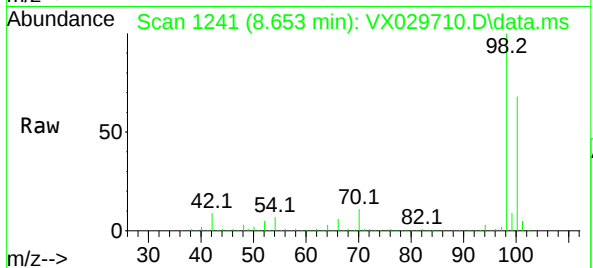
MW-25

Tgt Ion: 98 Resp: 514785

Ion Ratio Lower Upper

98 100

100 67.2 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.440 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX029710.D

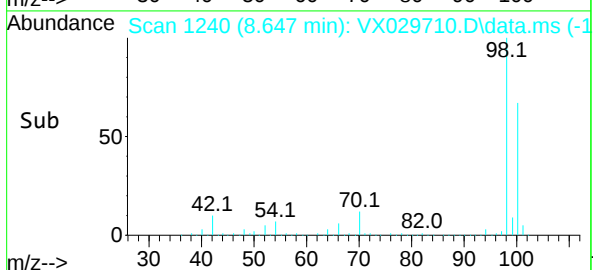
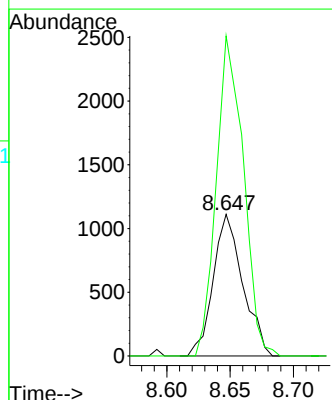
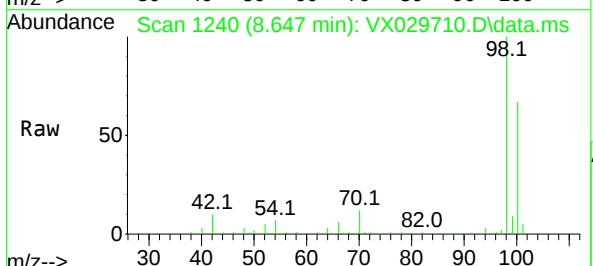
Acq: 22 Jun 2022 19:30

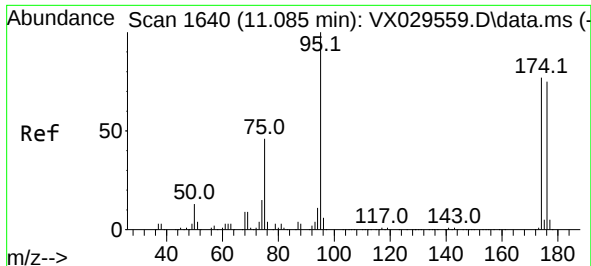
Tgt Ion: 43 Resp: 1811

Ion Ratio Lower Upper

43 100

58 206.8 36.1 54.1#

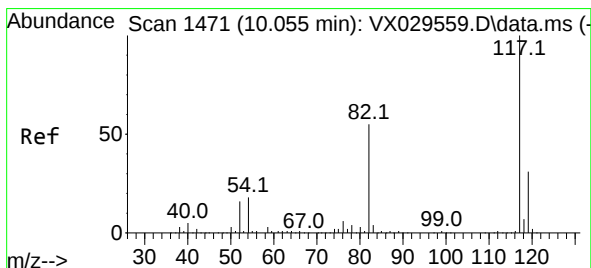
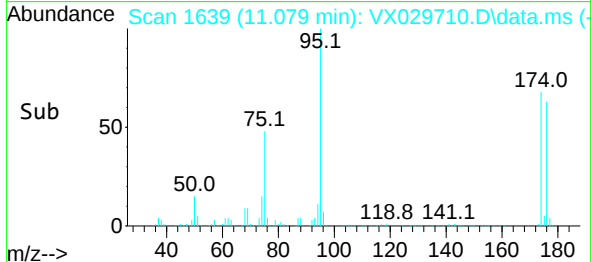
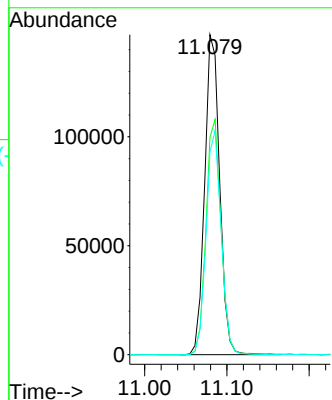
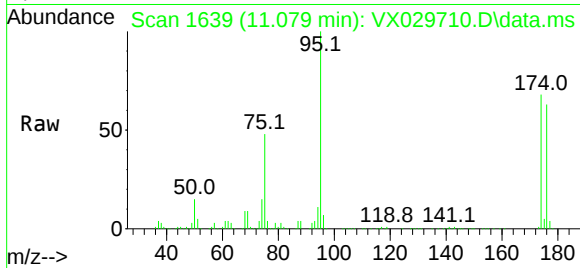




#62
4-Bromofluorobenzene
Concen: 45.623 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

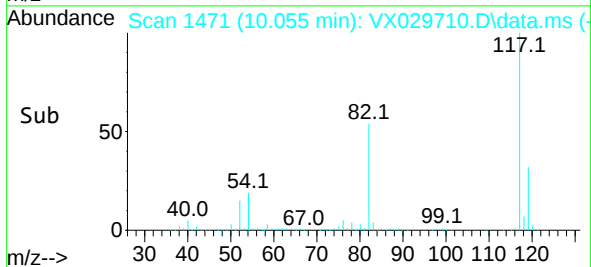
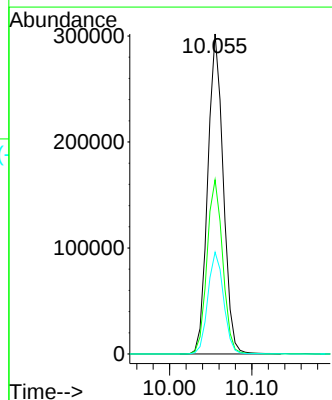
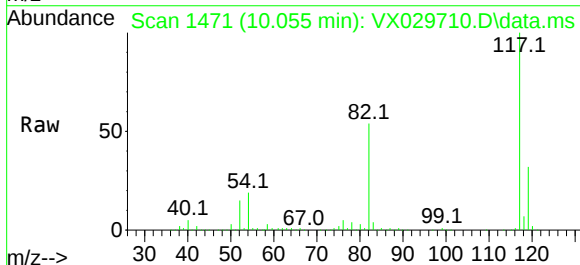
Instrument :
MSVOA_X
ClientSampleId :
MW-25

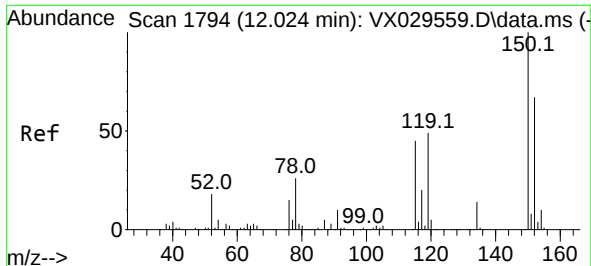
Tgt Ion: 95 Resp: 186163
Ion Ratio Lower Upper
95 100
174 73.9 0.0 163.0
176 70.5 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

Tgt Ion: 117 Resp: 394186
Ion Ratio Lower Upper
117 100
82 54.5 41.8 62.8
119 31.8 24.8 37.2

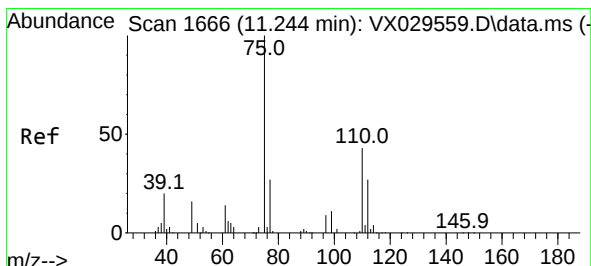
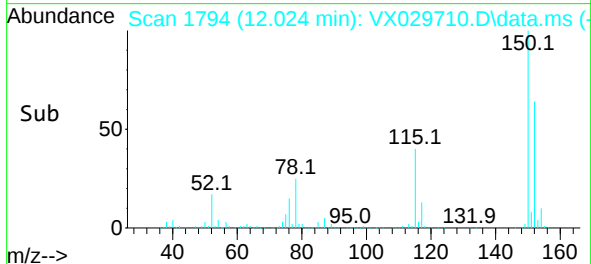
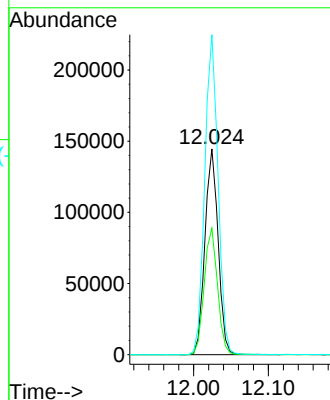
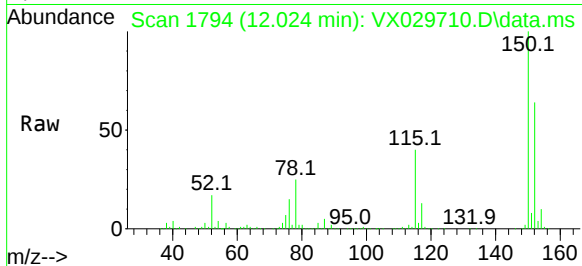




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

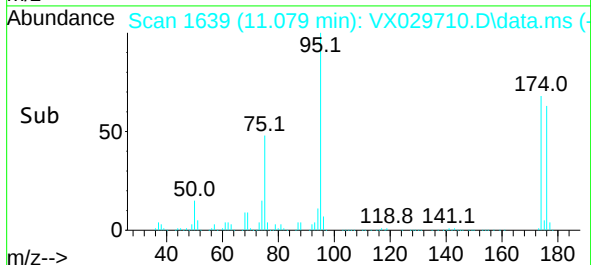
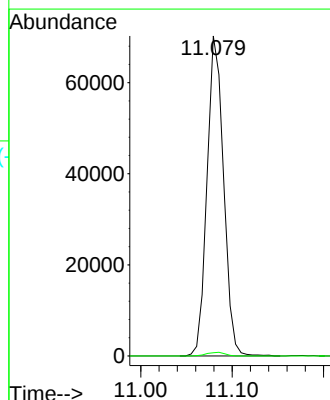
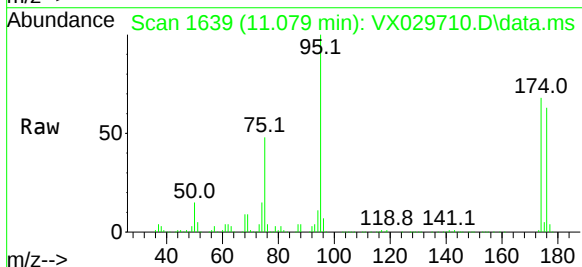
Instrument :
MSVOA_X
ClientSampleId :
MW-25

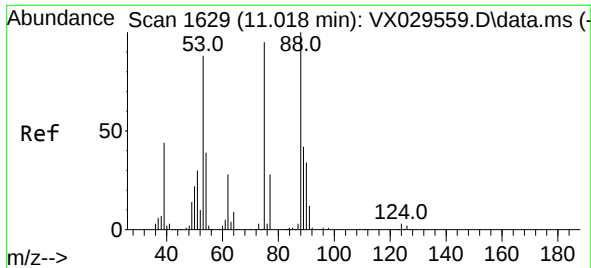
Tgt Ion:152 Resp: 177366
Ion Ratio Lower Upper
152 100
115 62.1 37.5 112.7
150 156.5 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 22.784 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

Tgt Ion: 75 Resp: 88035
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#

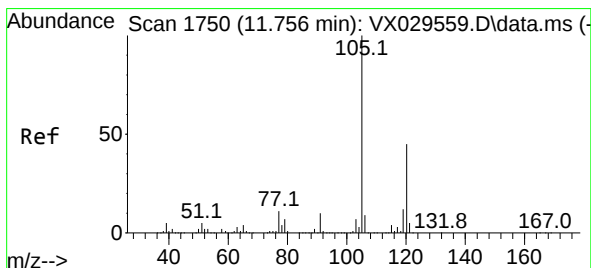
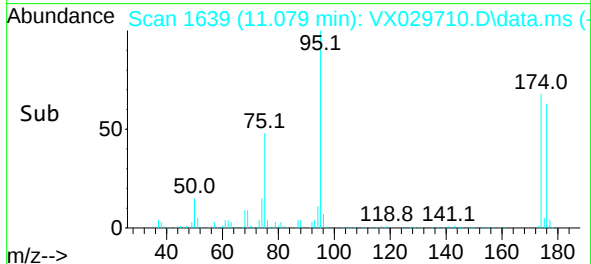
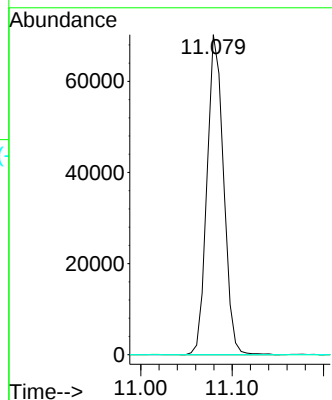
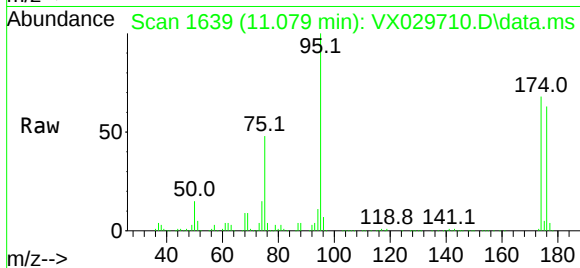




#81
trans-1,4-Dichloro-2-butene
Concen: 75.796 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

Instrument :
MSVOA_X
ClientSampleId :
MW-25

Tgt Ion: 75 Resp: 88035
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.294 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX029710.D
Acq: 22 Jun 2022 19:30

Tgt Ion: 105 Resp: 3288
Ion Ratio Lower Upper
105 100
120 40.9 22.6 67.8

