

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080122\
 Data File : VX030324.D
 Acq On : 01 Aug 2022 15:54
 Operator : JC/MD
 Sample : N3861-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-25

Quant Time: Aug 02 01:54:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

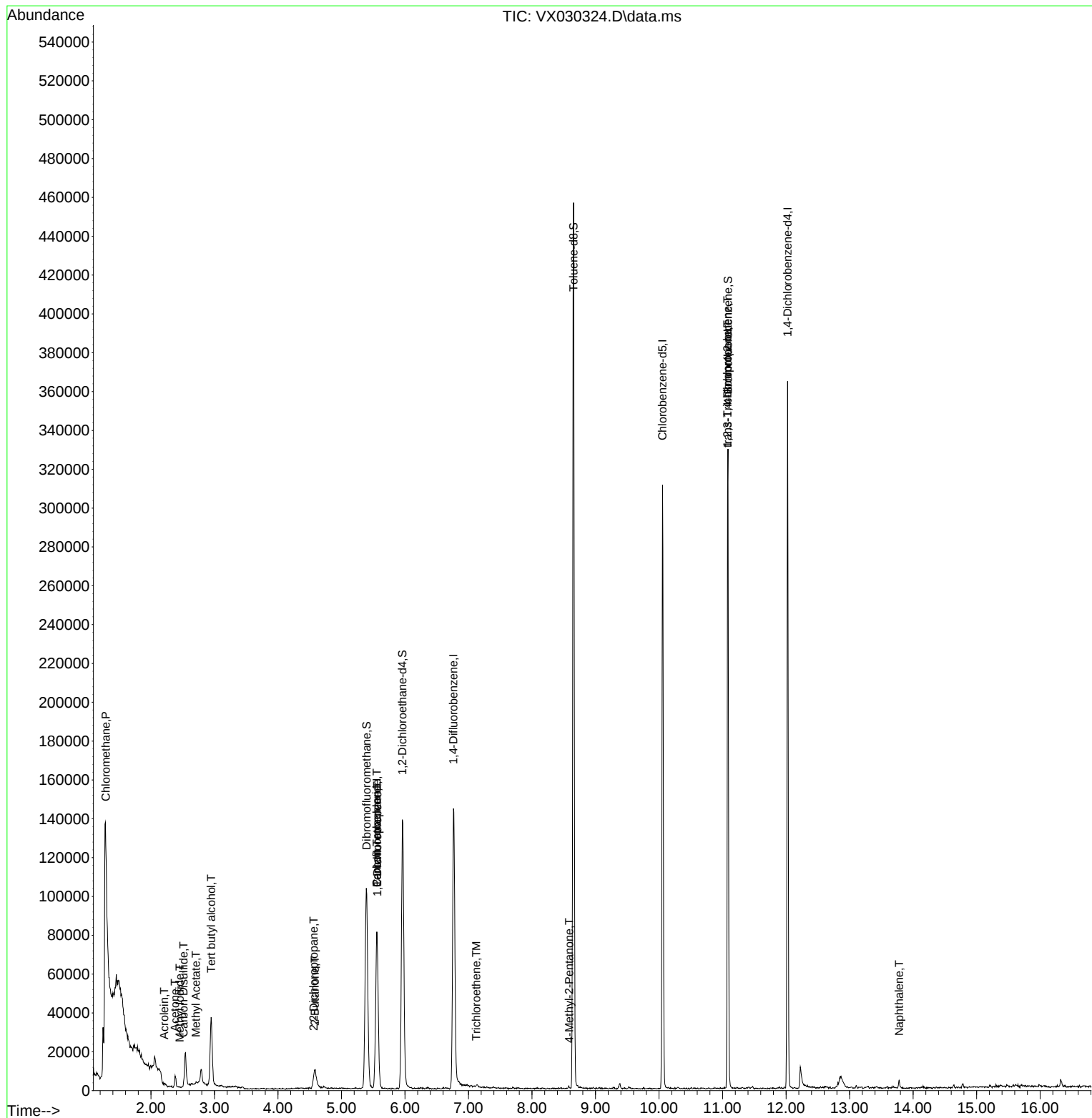
Internal Standards						
1) Pentafluorobenzene	5.556	168	75231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	146003	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	140928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	127795	84.515	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	169.040%#
35) Dibromofluoromethane	5.397	113	93411	66.927	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	133.860%#
50) Toluene-d8	8.653	98	270221	49.994	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.980%
62) 4-Bromofluorobenzene	11.085	95	90579	45.155	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.300%
Target Compounds						Qvalue
3) Chloromethane	1.288	50	5019	4.111	ug/l #	51
5) Bromomethane	1.605	94	412	Below Cal	#	50
10) Methyl Iodide	2.453	142	418	1.871	ug/l #	88
11) Tert butyl alcohol	2.946	59	21924	59.440	ug/l #	81
13) Acrolein	2.209	56	99	1.092	ug/l #	76
16) Acetone	2.379	43	6245	8.067	ug/l	91
17) Carbon Disulfide	2.514	76	3753	1.183	ug/l	98
18) Methyl Acetate	2.709	43	730	0.319	ug/l	96
20) Methylene Chloride	2.788	84	3082	Below Cal	#	88
25) 2-Butanone	4.580	43	1812	1.393	ug/l #	70
26) 2,2-Dichloropropane	4.562	77	445	0.252	ug/l #	49
36) 1,1-Dichloropropene	5.562	75	6517	3.245	ug/l #	47
38) Carbon Tetrachloride	5.556	117	7515	4.008	ug/l #	13
44) Trichloroethene	7.122	130	474	0.274	ug/l	97
51) 4-Methyl-2-Pentanone	8.586	43	801	0.283	ug/l	95
67) Ethyl Benzene	10.195	91	211	Below Cal	#	43
76) 1,2,3-Trichloropropane	11.079	75	46183	24.375	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	46183	73.122	ug/l #	13
95) Naphthalene	13.780	128	2723	0.478	ug/l #	90

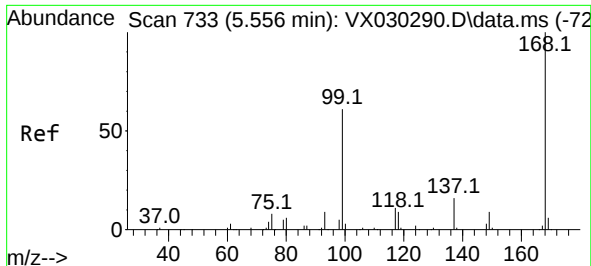
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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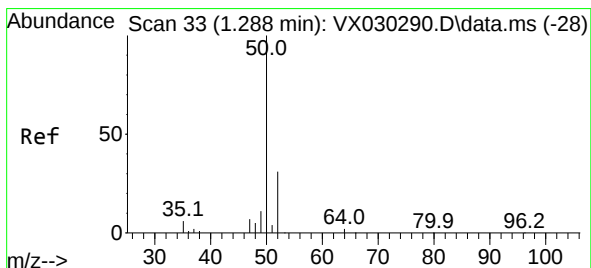
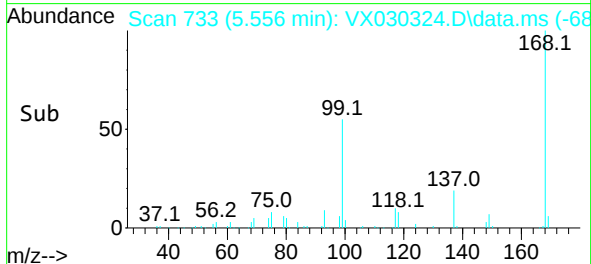
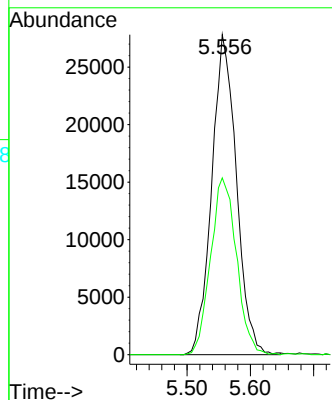
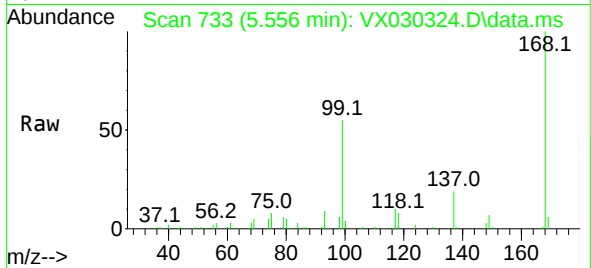




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030324.D
Acq: 01 Aug 2022 15:54

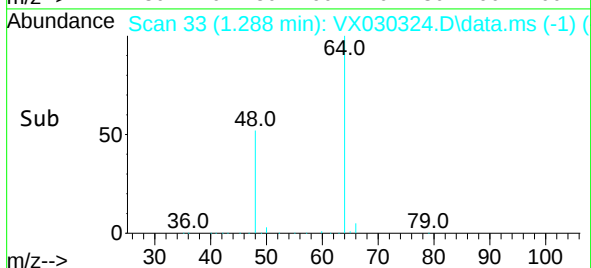
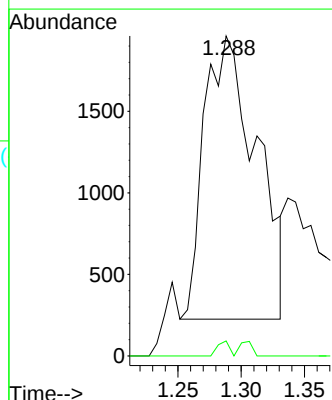
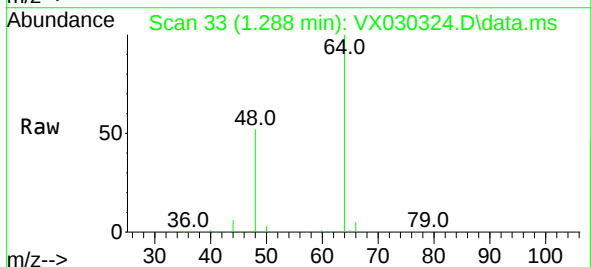
Instrument :
MSVOA_X
ClientSampleId :
MW-25

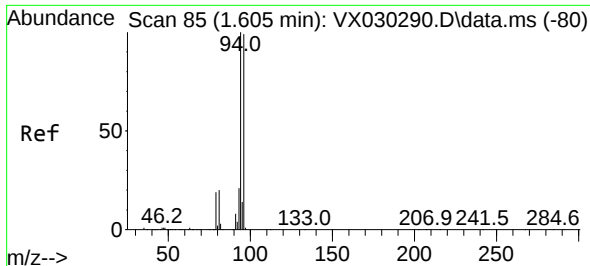
Tgt Ion:168 Resp: 75231
Ion Ratio Lower Upper
168 100
99 55.2 44.0 66.0



#3
Chloromethane
Concen: 4.111 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030324.D
Acq: 01 Aug 2022 15:54

Tgt Ion: 50 Resp: 5019
Ion Ratio Lower Upper
50 100
52 5.3 26.3 39.5#

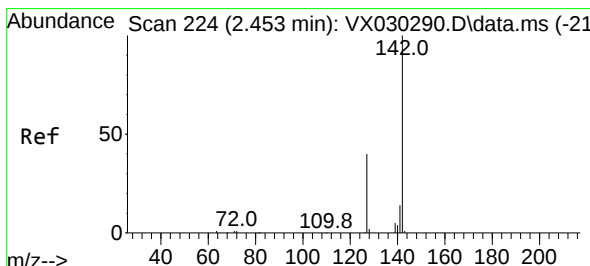
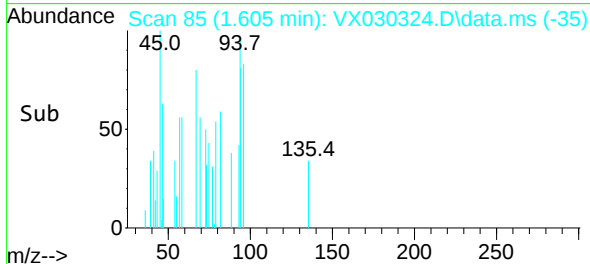
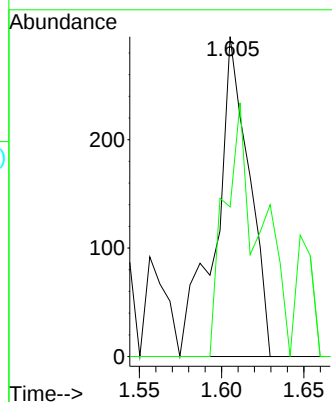
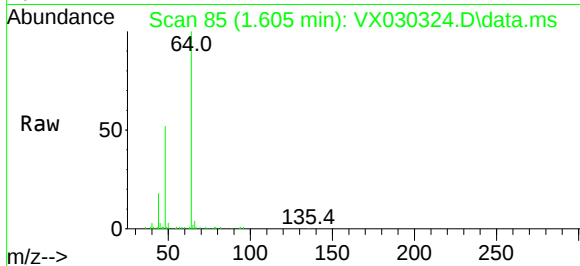




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX030324.D
Acq: 01 Aug 2022 15:54

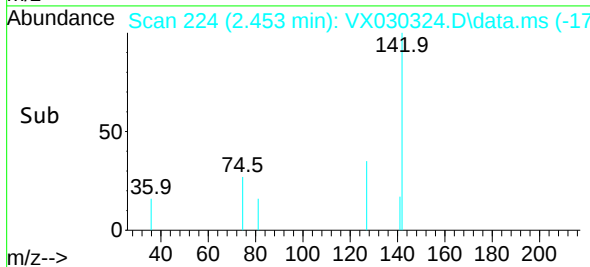
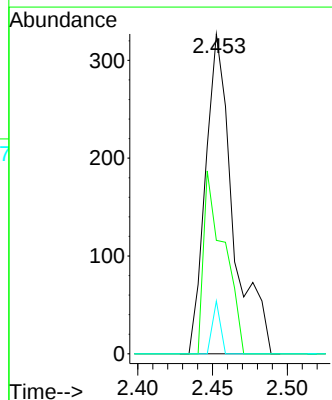
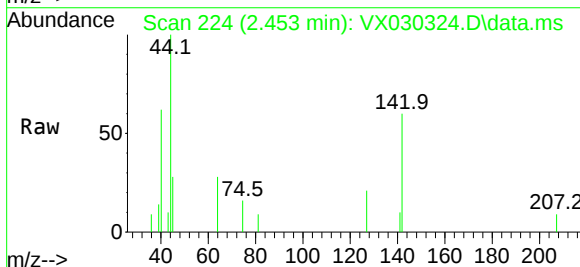
Instrument :
MSVOA_X
ClientSampleId :
MW-25

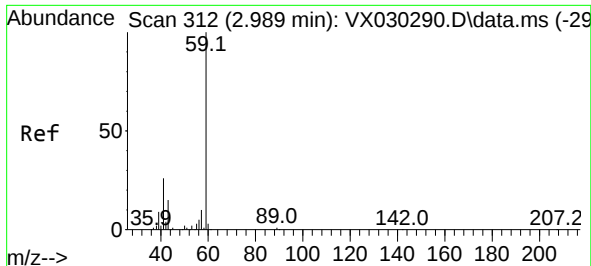
Tgt Ion: 94 Resp: 412
Ion Ratio Lower Upper
94 100
96 46.8 76.9 115.3#



#10
Methyl Iodide
Concen: 1.871 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.007 min
Lab File: VX030324.D
Acq: 01 Aug 2022 15:54

Tgt Ion: 142 Resp: 418
Ion Ratio Lower Upper
142 100
127 42.3 30.2 45.2
141 4.8 11.3 16.9#

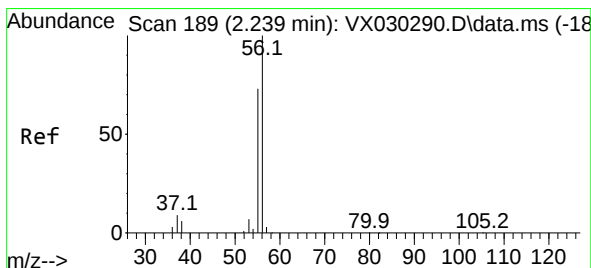
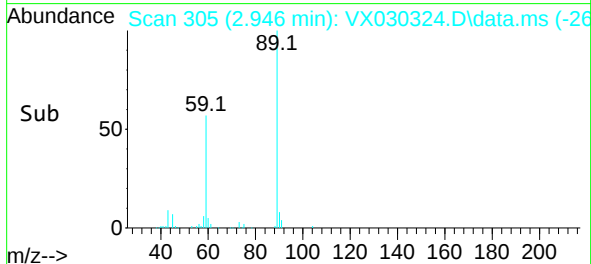
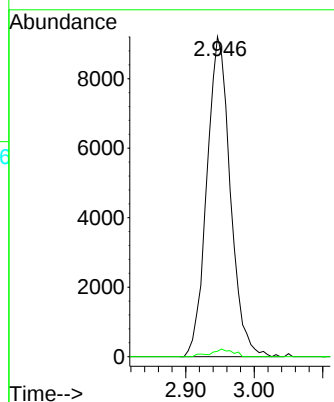
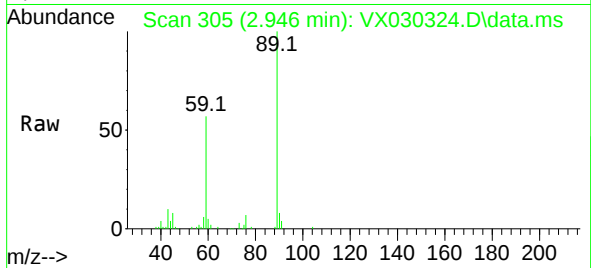




#11
Tert butyl alcohol
Concen: 59.440 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX030324.D
Acq: 01 Aug 2022 15:54

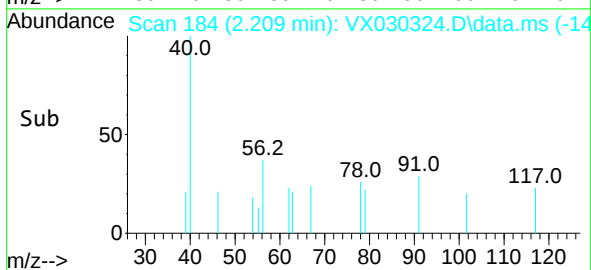
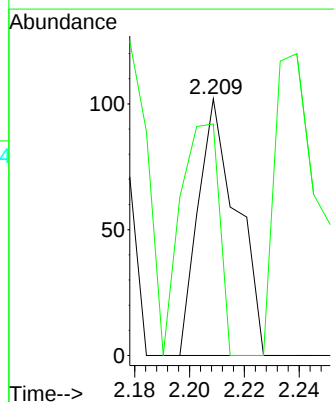
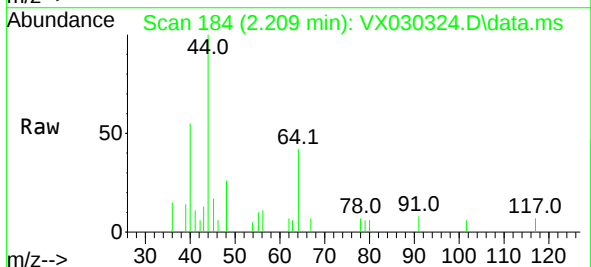
Instrument :
MSVOA_X
ClientSampleId :
MW-25

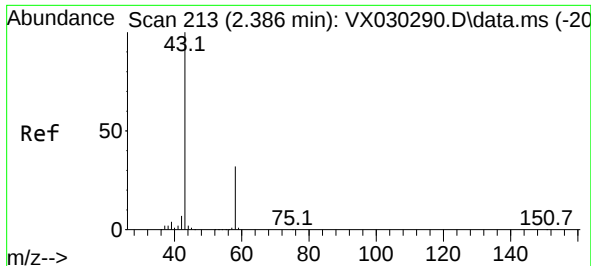
Tgt Ion: 59 Resp: 21924
Ion Ratio Lower Upper
59 100
57 2.2 7.4 11.2#



#13
Acrolein
Concen: 1.092 ug/l
RT: 2.209 min Scan# 184
Delta R.T. -0.030 min
Lab File: VX030324.D
Acq: 01 Aug 2022 15:54

Tgt Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 90.9 56.6 84.8#

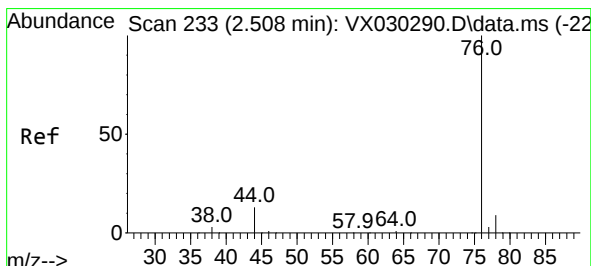
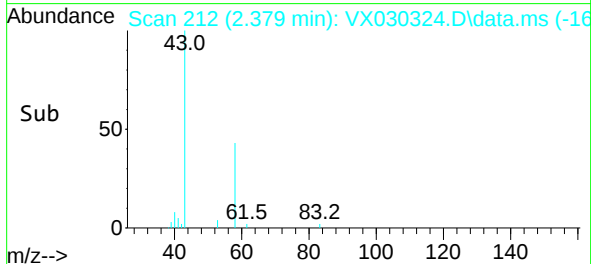
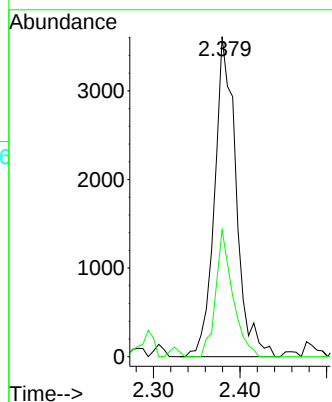
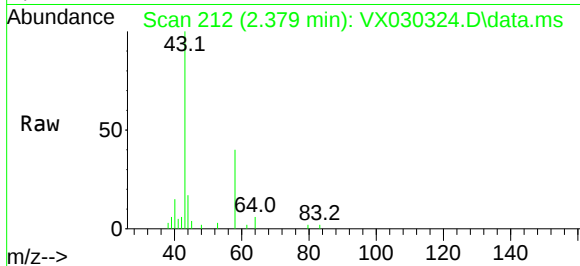




#16
Acetone
Concen: 8.067 ug/l
RT: 2.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX030324.D
Acq: 01 Aug 2022 15:54

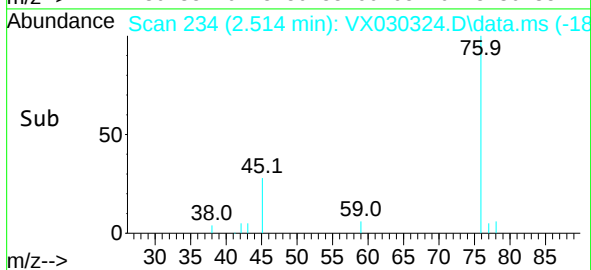
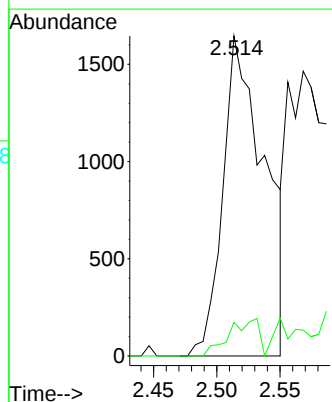
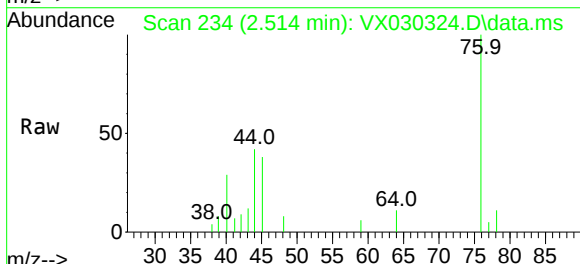
Instrument :
MSVOA_X
ClientSampleId :
MW-25

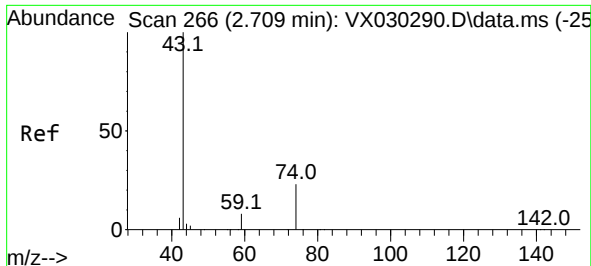
Tgt Ion: 43 Resp: 6245
Ion Ratio Lower Upper
43 100
58 39.7 27.7 41.5



#17
Carbon Disulfide
Concen: 1.183 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX030324.D
Acq: 01 Aug 2022 15:54

Tgt Ion: 76 Resp: 3753
Ion Ratio Lower Upper
76 100
78 10.5 7.8 11.6

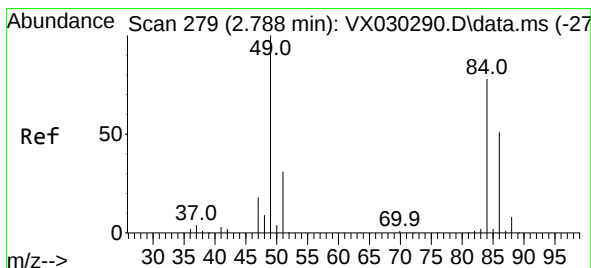
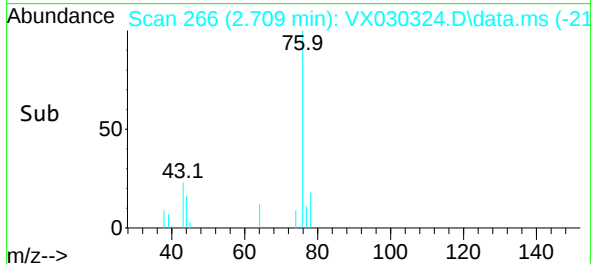
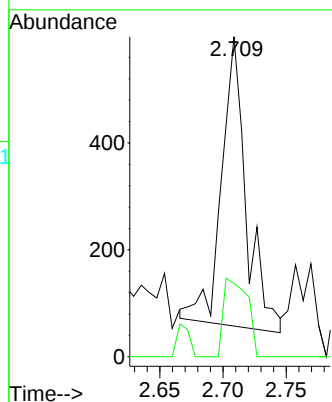
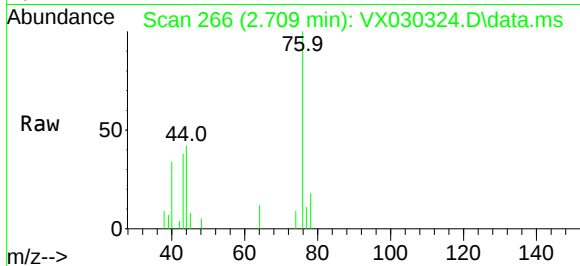




#18
Methyl Acetate
Concen: 0.319 ug/l
RT: 2.709 min Scan# 218
Delta R.T. 0.001 min
Lab File: VX030324.D
Acq: 01 Aug 2022 15:54

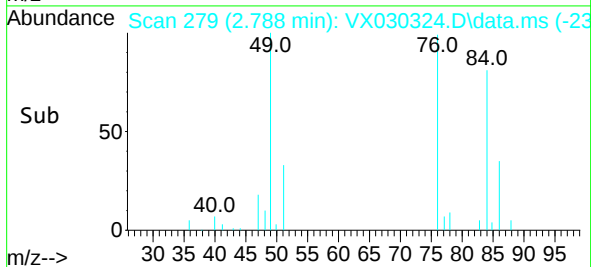
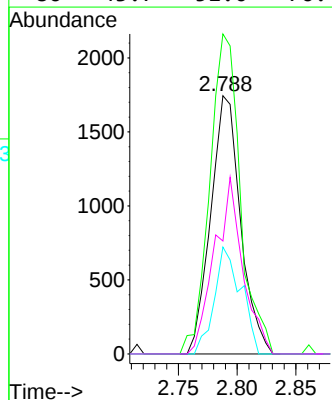
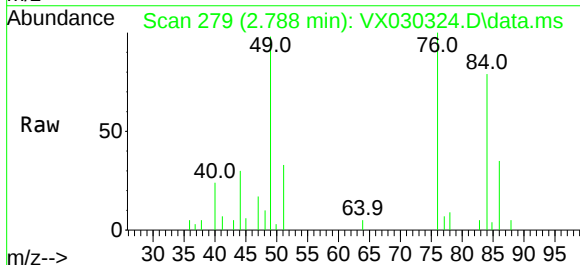
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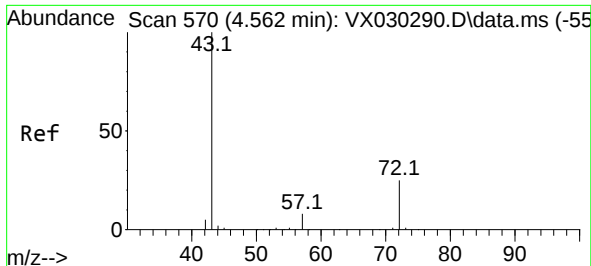
Tgt Ion: 43 Resp: 730
Ion Ratio Lower Upper
43 100
74 26.2 19.4 29.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX030324.D
Acq: 01 Aug 2022 15:54

Tgt Ion: 84 Resp: 3082
Ion Ratio Lower Upper
84 100
49 123.9 93.8 140.6
51 41.4 29.4 44.0
86 43.7 51.0 76.4#





#25

2-Butanone

Concen: 1.393 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX030324.D

Acq: 01 Aug 2022 15:54

Instrument :

MSVOA_X

ClientSampleId :

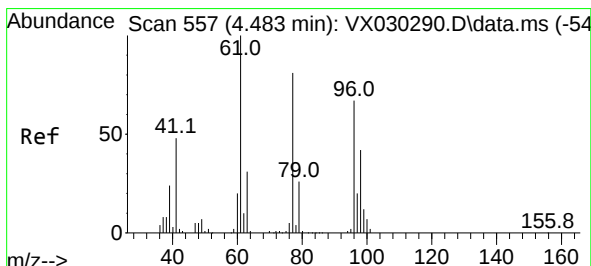
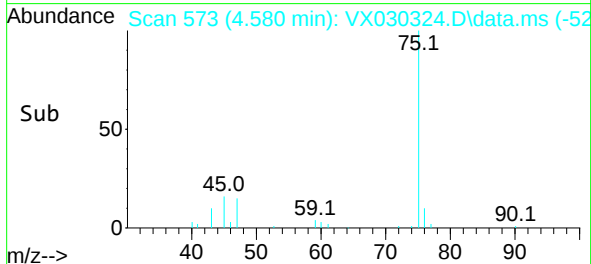
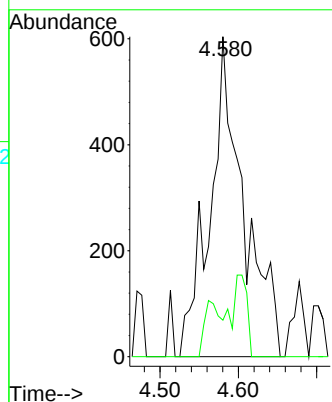
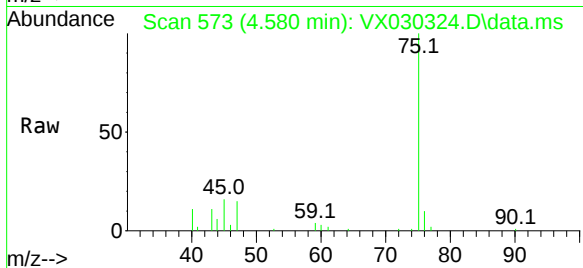
MW-25

Tgt Ion: 43 Resp: 1812

Ion Ratio Lower Upper

43 100

72 11.4 21.7 32.5#



#26

2,2-Dichloropropane

Concen: 0.252 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.086 min

Lab File: VX030324.D

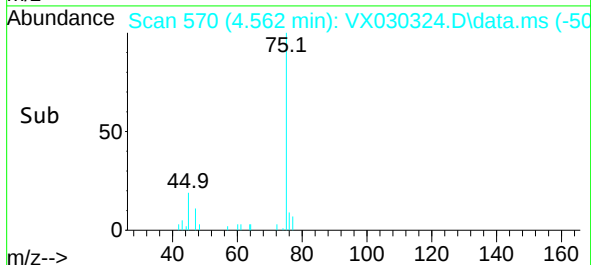
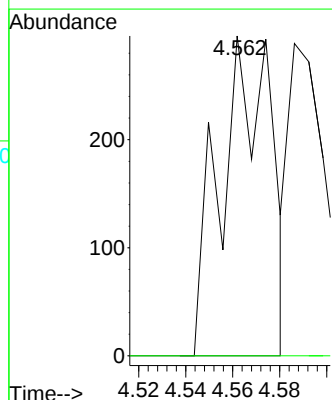
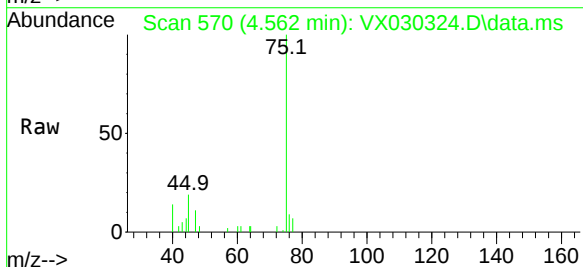
Acq: 01 Aug 2022 15:54

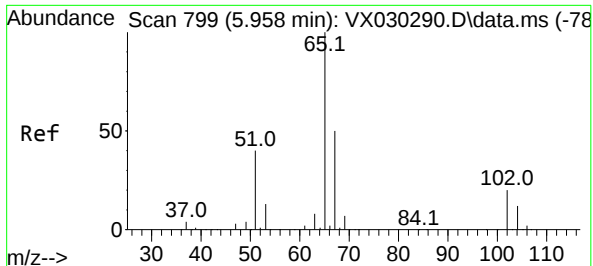
Tgt Ion: 77 Resp: 445

Ion Ratio Lower Upper

77 100

97 0.0 13.0 39.0#





#33

1,2-Dichloroethane-d4

Concen: 84.515 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX030324.D

Acq: 01 Aug 2022 15:54

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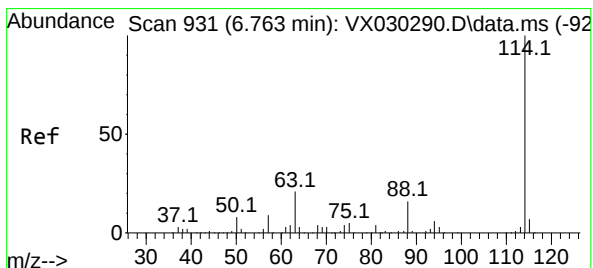
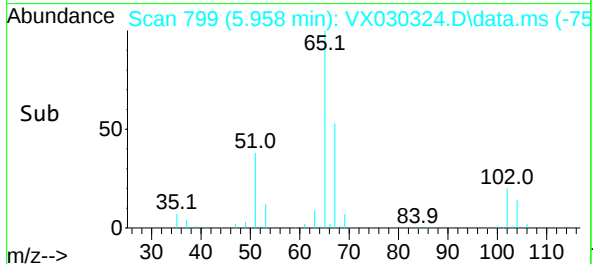
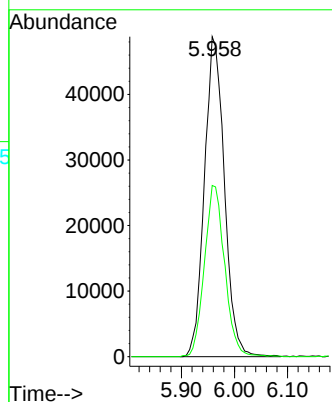
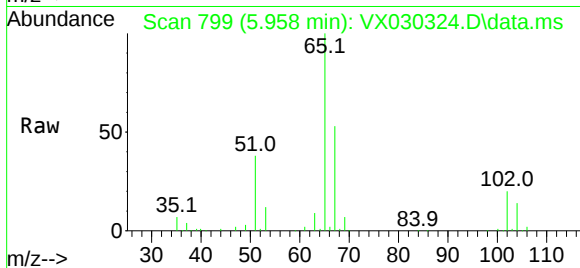
MW-25

Tgt Ion: 65 Resp: 127795

Ion Ratio Lower Upper

65 100

67 54.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX030324.D

Acq: 01 Aug 2022 15:54

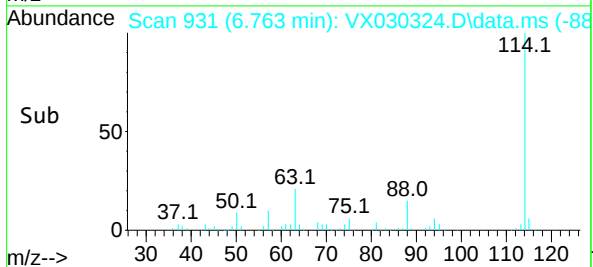
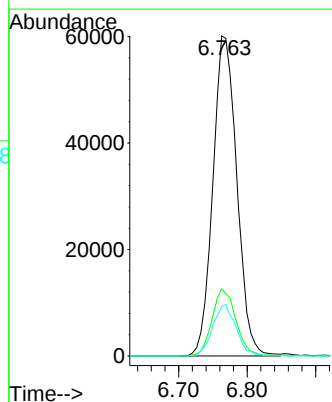
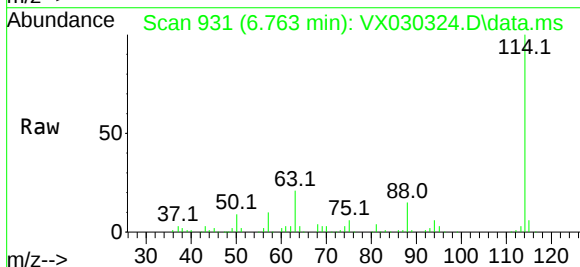
Tgt Ion: 114 Resp: 146003

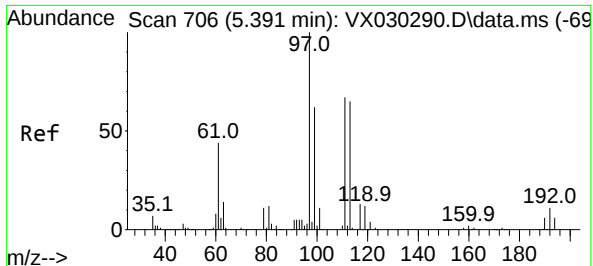
Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.4

88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 66.927 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX030324.D

Acq: 01 Aug 2022 15:54

Instrument :

MSVOA_X

ClientSampleId :

MW-25

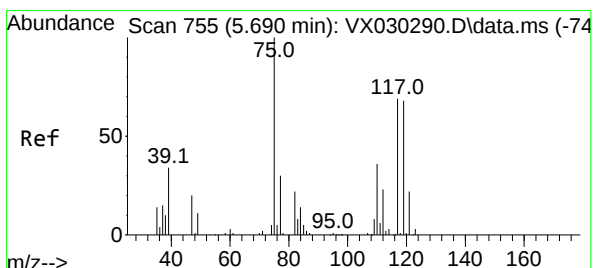
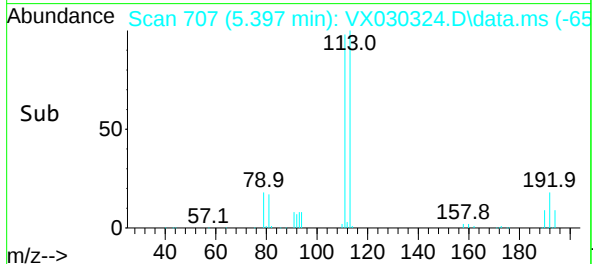
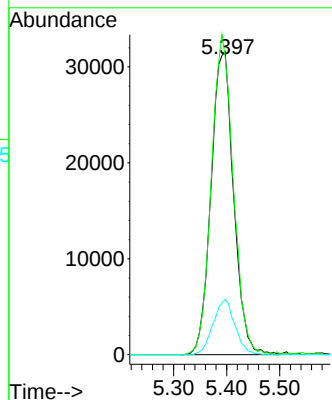
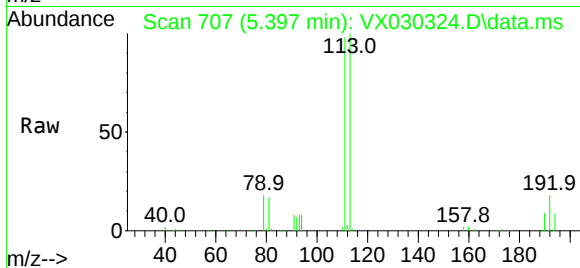
Tgt Ion:113 Resp: 93411

Ion Ratio Lower Upper

113 100

111 102.3 83.2 124.8

192 17.6 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.245 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX030324.D

Acq: 01 Aug 2022 15:54

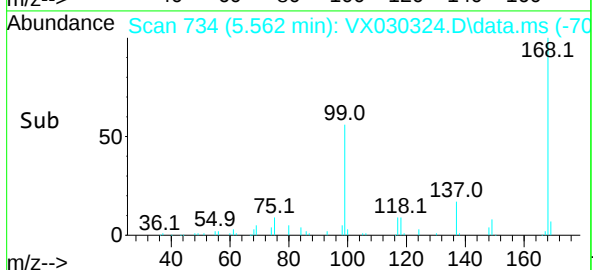
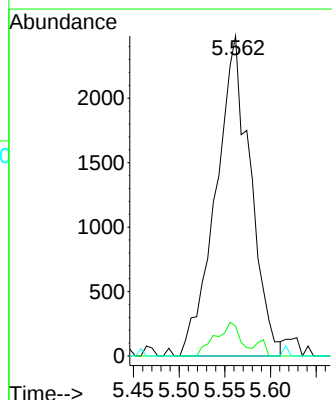
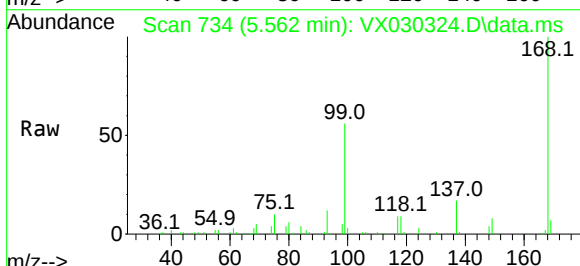
Tgt Ion: 75 Resp: 6517

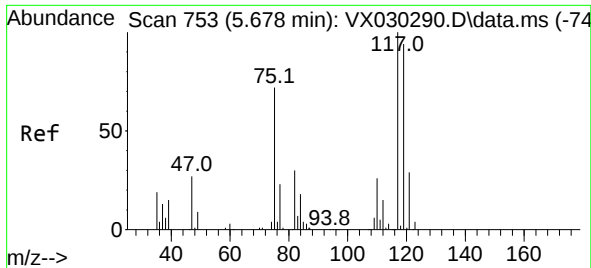
Ion Ratio Lower Upper

75 100

110 7.7 19.3 57.9#

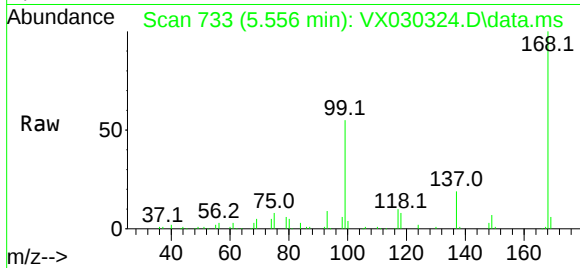
77 0.0 24.4 36.6#



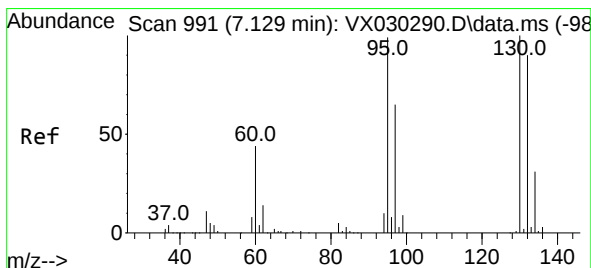
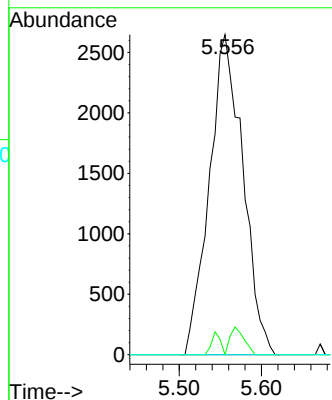
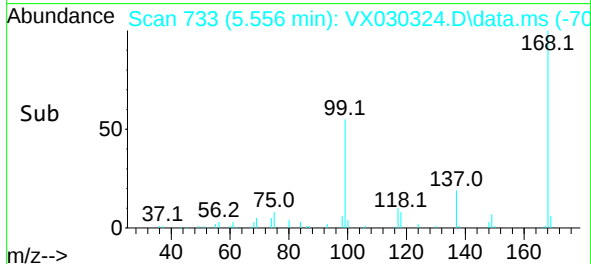


#38
Carbon Tetrachloride
Concen: 4.008 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX030324.D
Acq: 01 Aug 2022 15:54

Instrument :
MSVOA_X
ClientSampleId :
MW-25

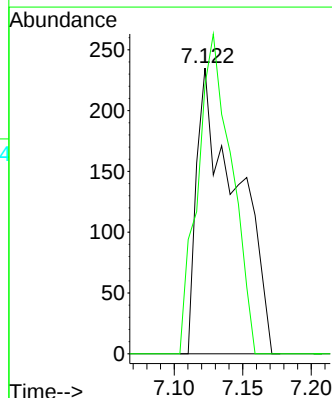
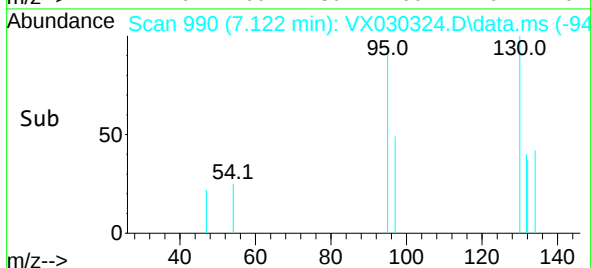
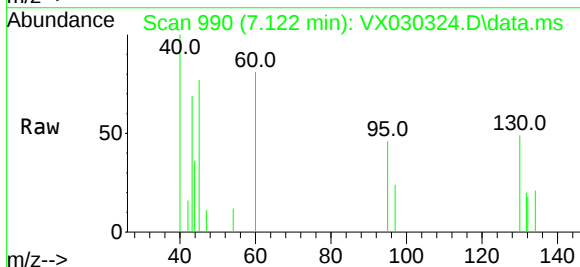


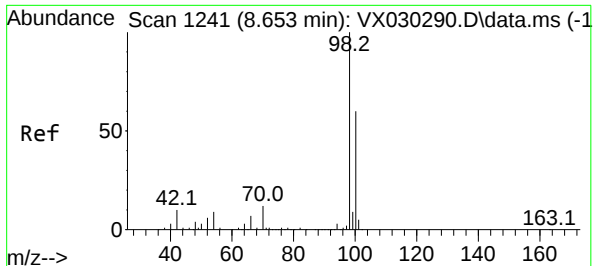
Tgt Ion:117 Resp: 7515
Ion Ratio Lower Upper
117 100
119 0.0 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.274 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX030324.D
Acq: 01 Aug 2022 15:54

Tgt Ion:130 Resp: 474
Ion Ratio Lower Upper
130 100
95 94.0 0.0 194.8





#50

Toluene-d8

Concen: 49.994 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX030324.D

Acq: 01 Aug 2022 15:54

Instrument :

MSVOA_X

ClientSampleId :

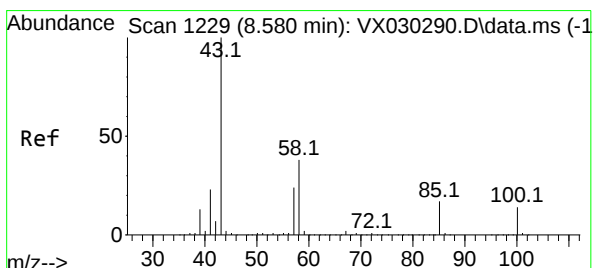
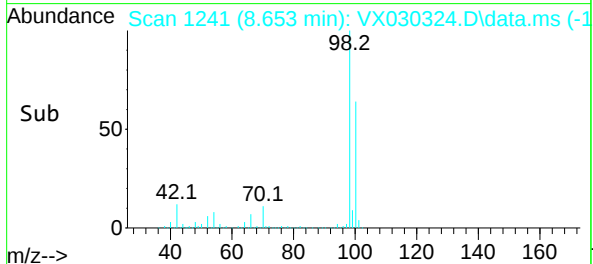
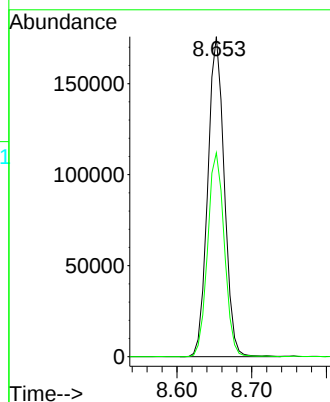
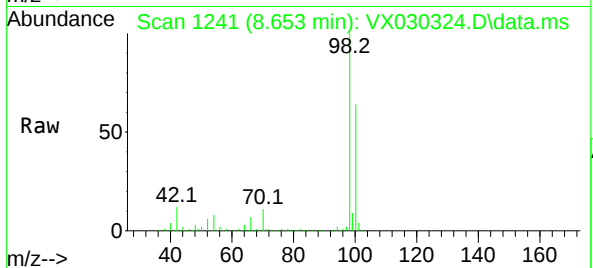
MW-25

Tgt Ion: 98 Resp: 270221

Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 0.283 ug/l

RT: 8.586 min Scan# 1230

Delta R.T. 0.007 min

Lab File: VX030324.D

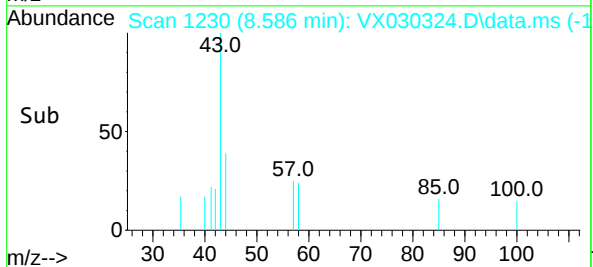
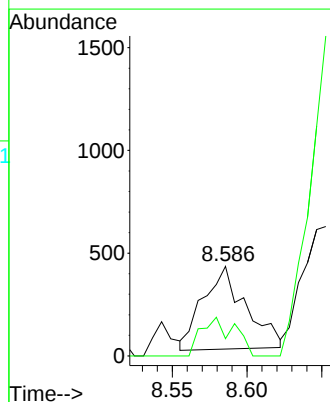
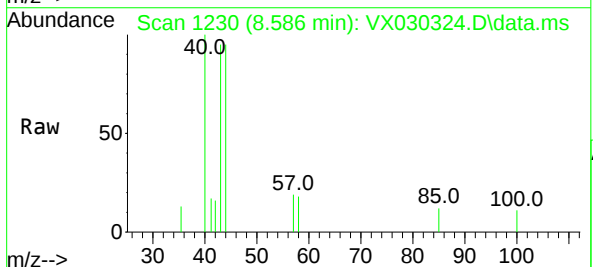
Acq: 01 Aug 2022 15:54

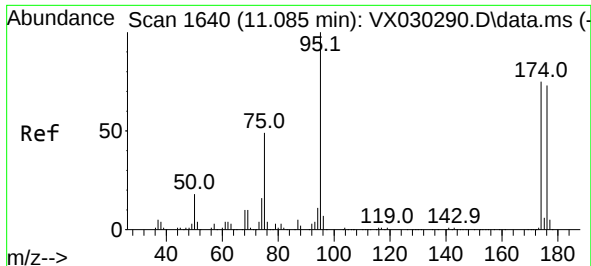
Tgt Ion: 43 Resp: 801

Ion Ratio Lower Upper

43 100

58 36.2 31.4 47.2





#62

4-Bromofluorobenzene

Concen: 45.155 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030324.D

Acq: 01 Aug 2022 15:54

Instrument :

MSVOA_X

ClientSampleId :

MW-25

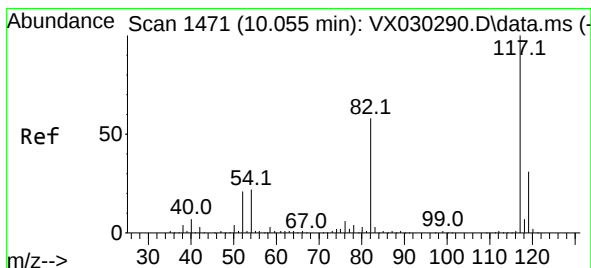
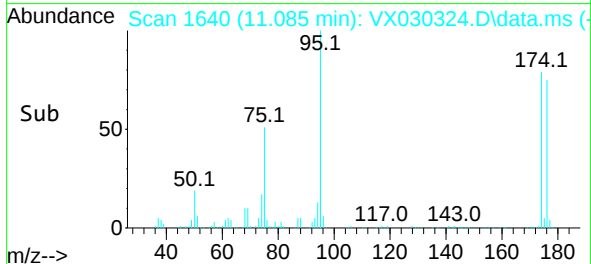
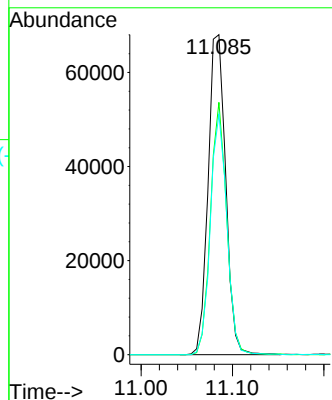
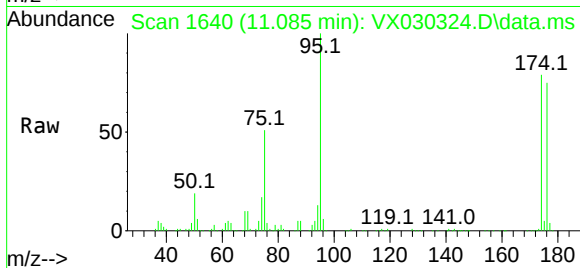
Tgt Ion: 95 Resp: 90579

Ion Ratio Lower Upper

95 100

174 72.5 0.0 149.0

176 70.8 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: VX030324.D

Acq: 01 Aug 2022 15:54

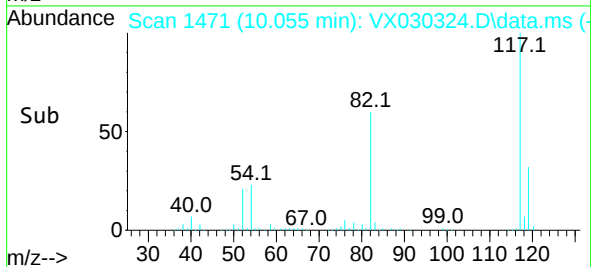
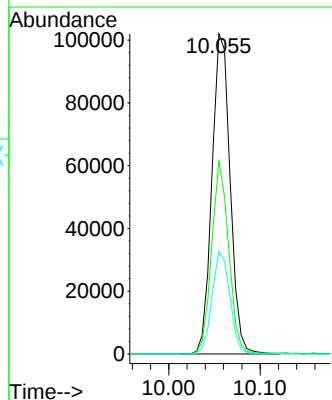
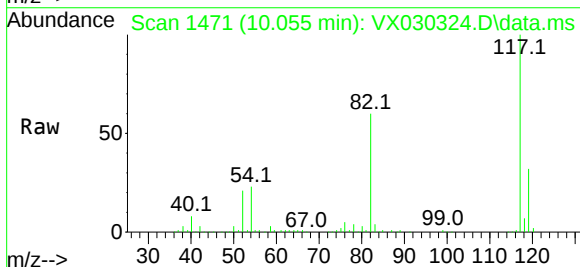
Tgt Ion: 117 Resp: 140928

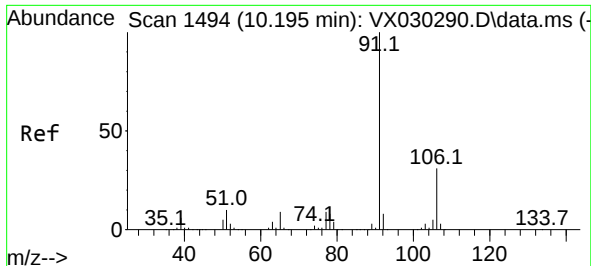
Ion Ratio Lower Upper

117 100

82 60.2 42.7 64.1

119 32.1 25.4 38.2





#67

Ethyl Benzene

Concen: Below Cal

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX030324.D

Acq: 01 Aug 2022 15:54

Instrument :

MSVOA_X

ClientSampleId :

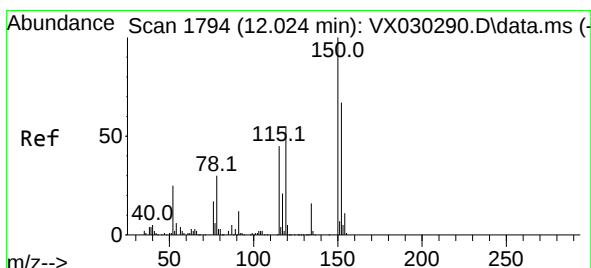
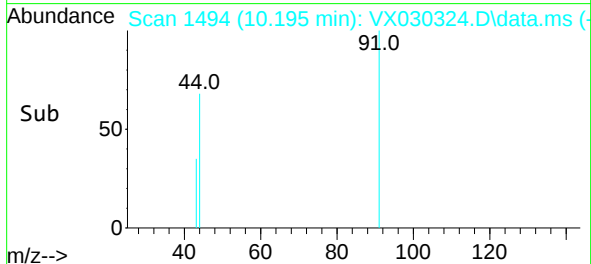
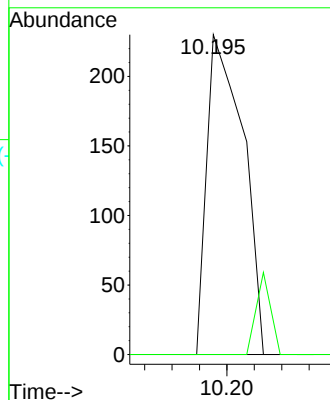
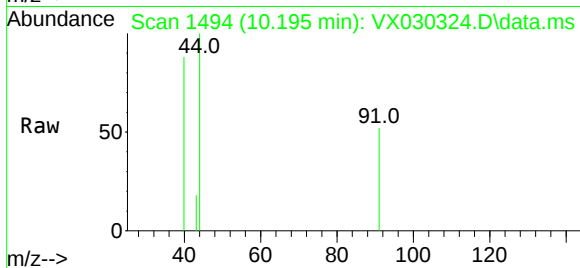
MW-25

Tgt Ion: 91 Resp: 211

Ion Ratio Lower Upper

91 100

106 0.0 25.5 38.3#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX030324.D

Acq: 01 Aug 2022 15:54

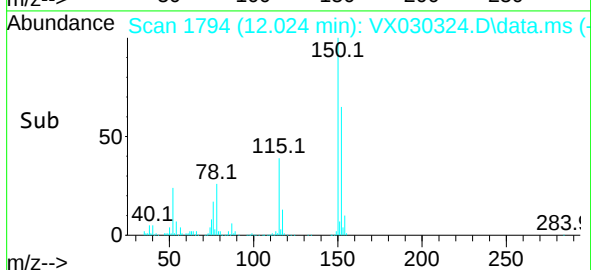
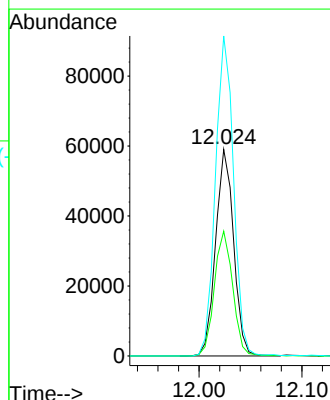
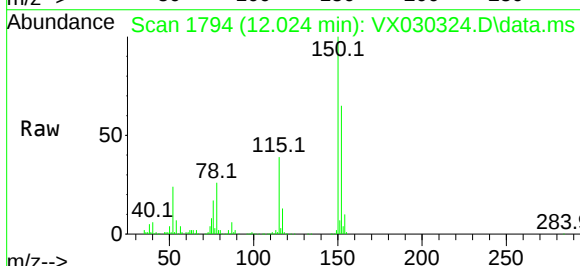
Tgt Ion: 152 Resp: 71880

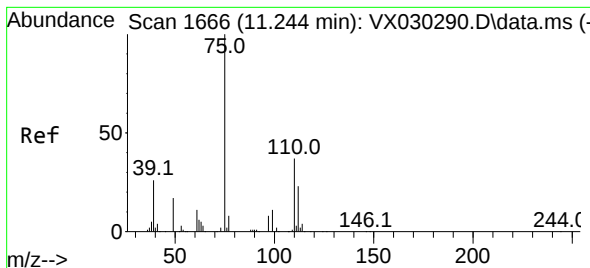
Ion Ratio Lower Upper

152 100

115 61.4 40.5 121.5

150 155.4 0.0 347.0

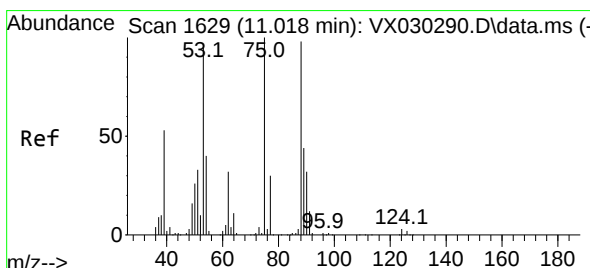
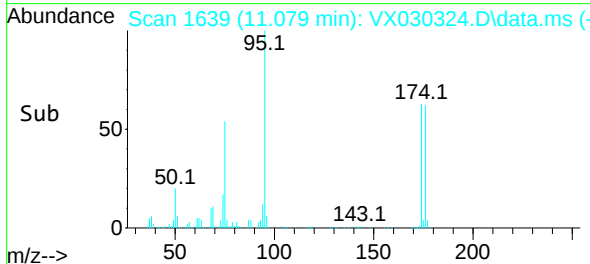
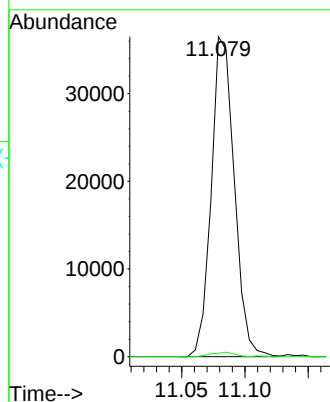
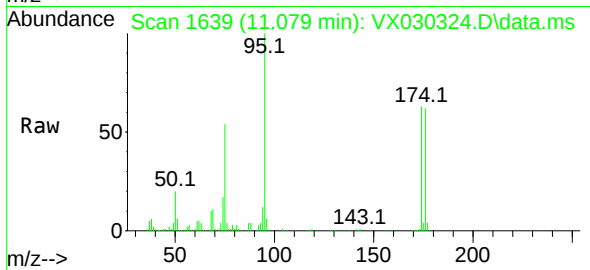




#76
1,2,3-Trichloropropane
Concen: 24.375 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX030324.D
Acq: 01 Aug 2022 15:54

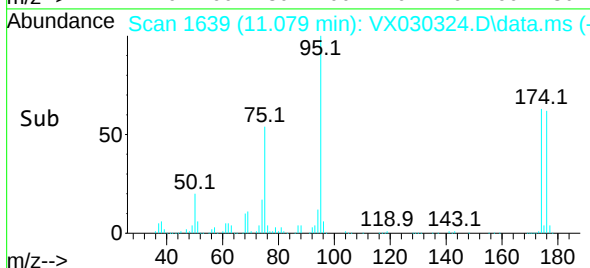
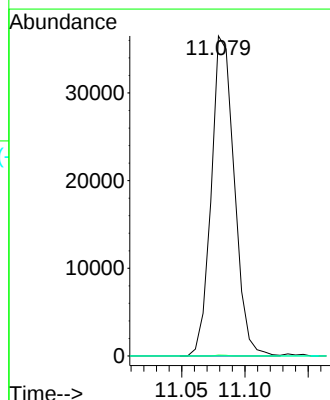
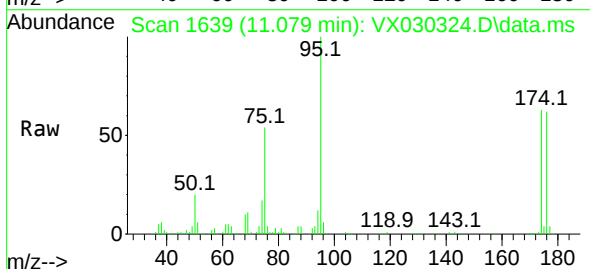
Instrument :
MSVOA_X
ClientSampleId :
MW-25

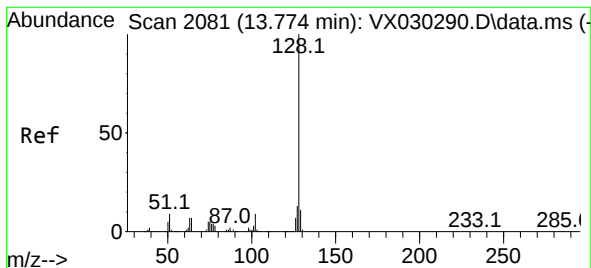
Tgt Ion: 75 Resp: 46183
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.122 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX030324.D
Acq: 01 Aug 2022 15:54

Tgt Ion: 75 Resp: 46183
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#





#95

Naphthalene

Concen: 0.478 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX030324.D

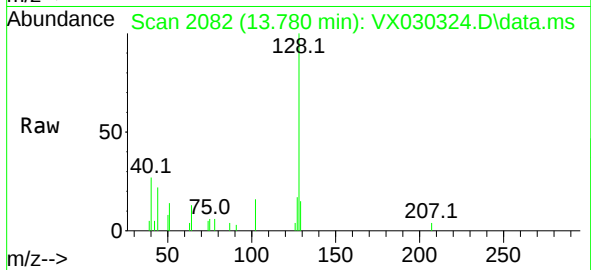
Acq: 01 Aug 2022 15:54

Instrument :

MSVOA_X

ClientSampleId :

MW-25



Tgt Ion:128 Resp: 2723

Ion Ratio Lower Upper

128 100

127 16.1 10.2 15.2#

129 14.9 8.6 13.0#

