

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070124\
 Data File : VX042118.D
 Acq On : 01 Jul 2024 16:42
 Operator : JC/MD
 Sample : P3092-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW10D-20240626

Quant Time: Jul 02 02:08:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

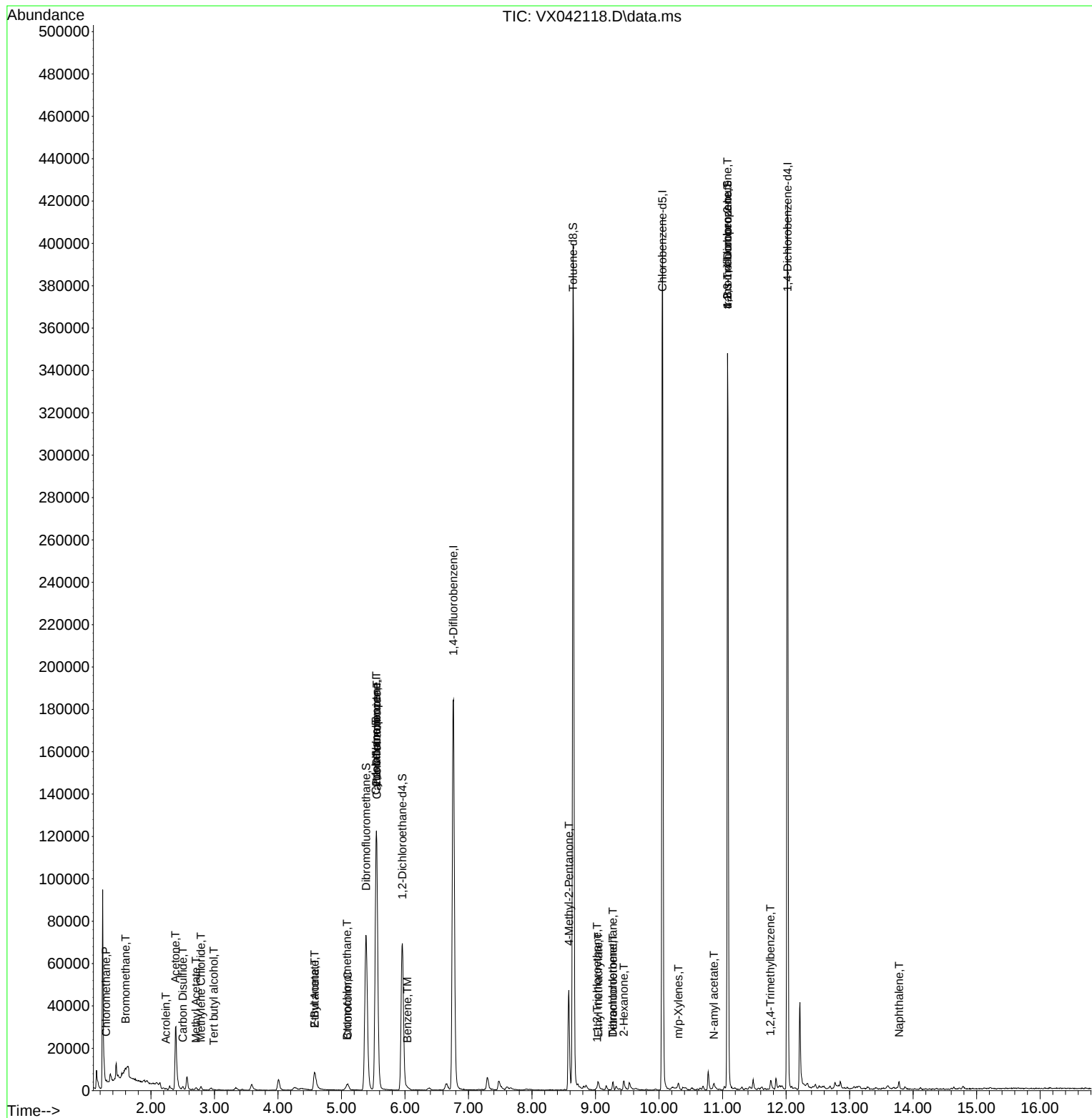
Internal Standards						
1) Pentafluorobenzene	5.549	168	137529	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	212637	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	67121	42.324	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.640%
35) Dibromofluoromethane	5.385	113	65356	43.317	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.640%
50) Toluene-d8	8.646	98	246189	46.447	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.900%
62) 4-Bromofluorobenzene	11.079	95	90929	46.538	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.080%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	422	0.321	ug/l	94
5) Bromomethane	1.599	94	243	0.373	ug/l	# 54
6) Chloroethane	1.654	64	538	Below Cal	#	68
11) Tert butyl alcohol	2.989	59	496	1.648	ug/l	# 78
13) Acrolein	2.233	56	366	1.085	ug/l	90
16) Acetone	2.385	43	32788	47.085	ug/l	93
17) Carbon Disulfide	2.501	76	1744	0.721	ug/l	96
18) Methyl Acetate	2.708	43	1328	0.699	ug/l	94
20) Methylene Chloride	2.788	84	894	0.586	ug/l	91
25) 2-Butanone	4.574	43	18060	16.670	ug/l	91
28) Bromochloromethane	5.086	49	193	0.202	ug/l	# 16
30) Chloroform	5.098	83	3310	1.427	ug/l	100
31) Cyclohexane	5.543	56	1892	1.020	ug/l	# 1
36) 1,1-Dichloropropene	5.549	75	8022	5.007	ug/l	# 51
37) Ethyl Acetate	4.574	43	18060	8.653	ug/l	# 69
38) Carbon Tetrachloride	5.555	117	11771	6.649	ug/l	# 14
40) Benzene	6.037	78	1299	0.240	ug/l	97
51) 4-Methyl-2-Pentanone	8.579	43	28763	13.034	ug/l	94
55) 1,1,2-Trichloroethane	9.024	97	577	0.403	ug/l	# 17
56) Ethyl methacrylate	9.043	69	773	0.347	ug/l	# 26
59) 2-Hexanone	9.445	43	3459	2.047	ug/l	92
60) Dibromochloromethane	9.274	129	614	0.394	ug/l	# 11
64) Tetrachloroethene	9.274	164	867	0.579	ug/l	# 78
68) m/p-Xylenes	10.305	106	939	0.347	ug/l	94
74) N-amyl acetate	10.866	43	1013	0.362	ug/l	# 57
76) 1,2,3-Trichloropropane	11.079	75	41554	22.106	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	41554	62.780	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	2078	0.395	ug/l	82
95) Naphthalene	13.780	128	2781	1.117	ug/l	98

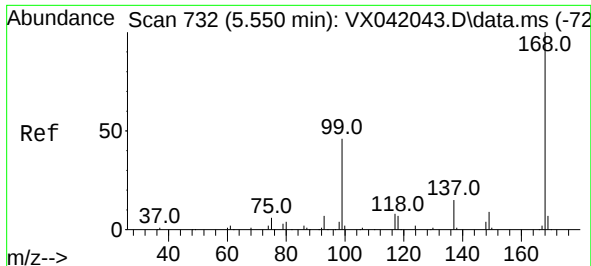
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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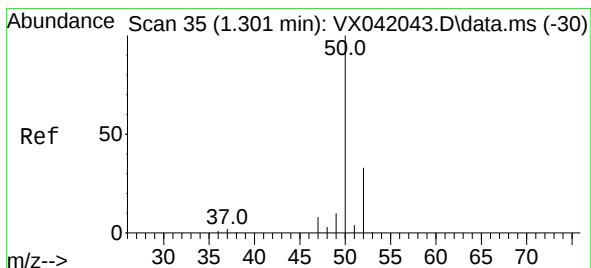
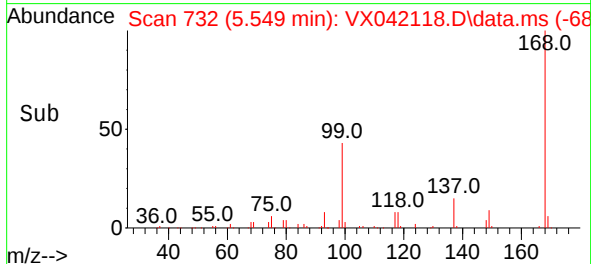
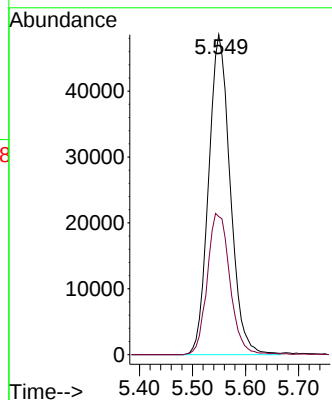
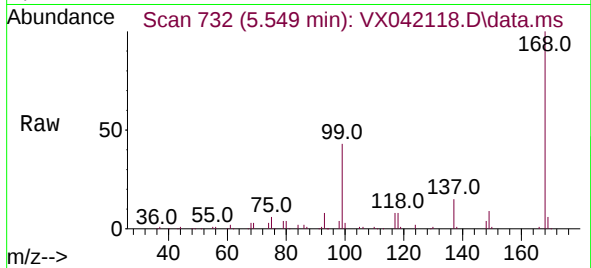




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.001 min
Lab File: VX042118.D
Acq: 01 Jul 2024 16:42

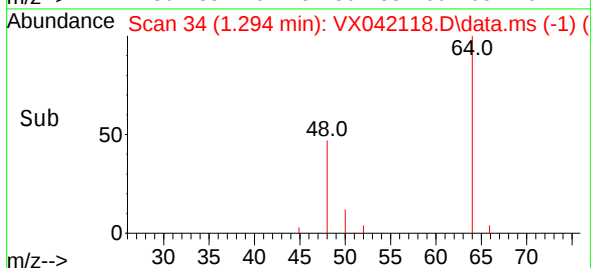
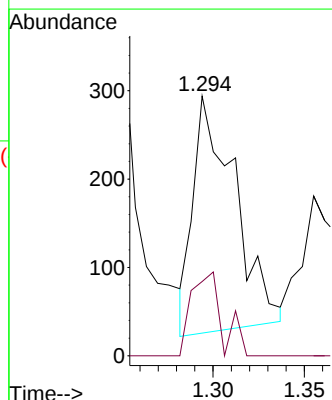
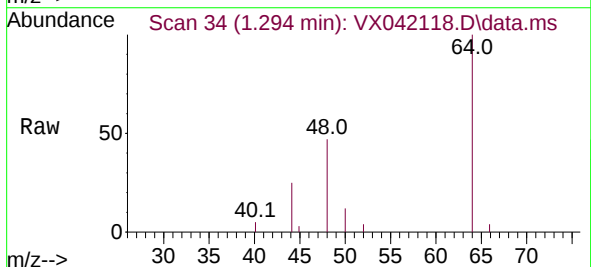
Instrument :
MSVOA_X
ClientSampleId :
MW10D-20240626

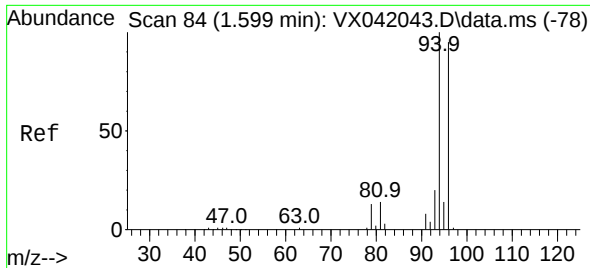
Tgt Ion:168 Resp: 137529
Ion Ratio Lower Upper
168 100
99 43.1 56.6 85.0#



#3
Chloromethane
Concen: 0.321 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.013 min
Lab File: VX042118.D
Acq: 01 Jul 2024 16:42

Tgt Ion: 50 Resp: 422
Ion Ratio Lower Upper
50 100
52 35.1 25.5 38.3

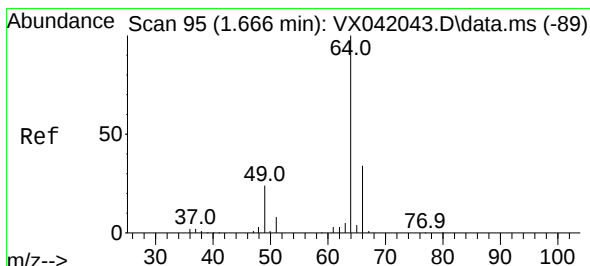
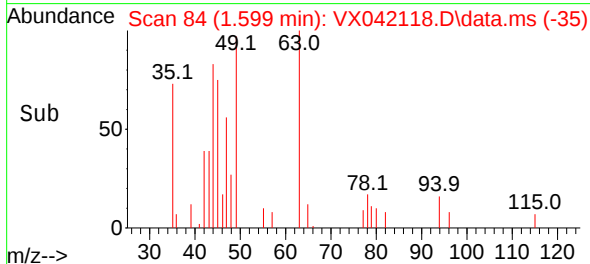
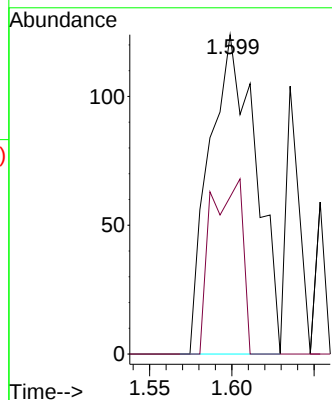
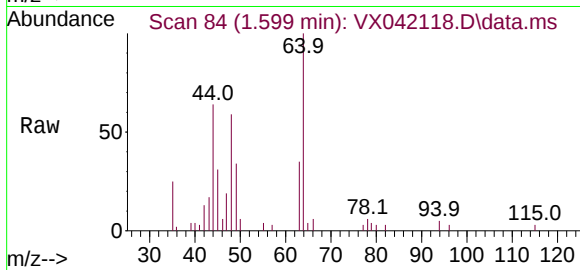




#5
Bromomethane
Concen: 0.373 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX042118.D
Acq: 01 Jul 2024 16:42

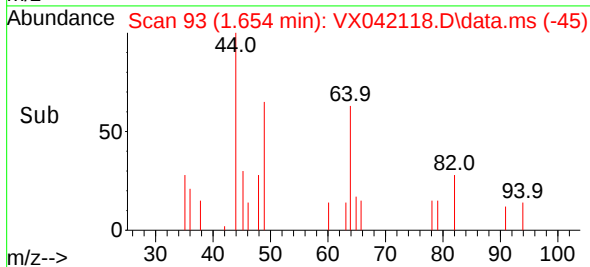
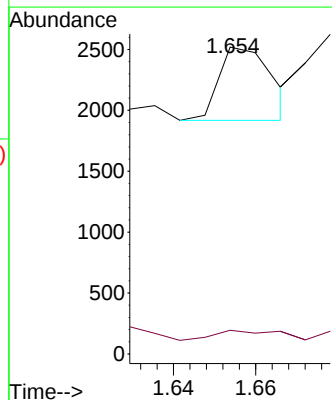
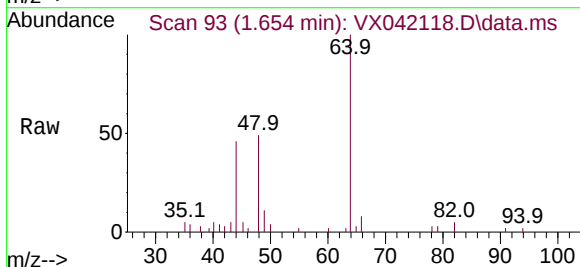
Instrument :
MSVOA_X
ClientSampleId :
MW10D-20240626

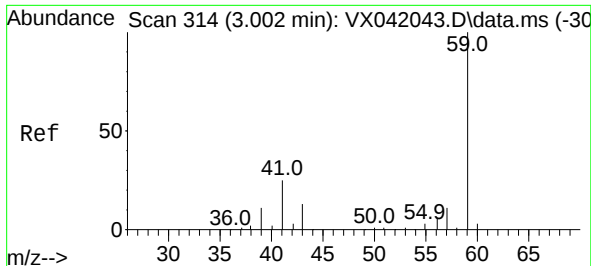
Tgt Ion: 94 Resp: 243
Ion Ratio Lower Upper
94 100
96 49.2 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 93
Delta R.T. -0.006 min
Lab File: VX042118.D
Acq: 01 Jul 2024 16:42

Tgt Ion: 64 Resp: 538
Ion Ratio Lower Upper
64 100
66 13.6 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.648 ug/l

RT: 2.989 min Scan# 314

Delta R.T. -0.019 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :

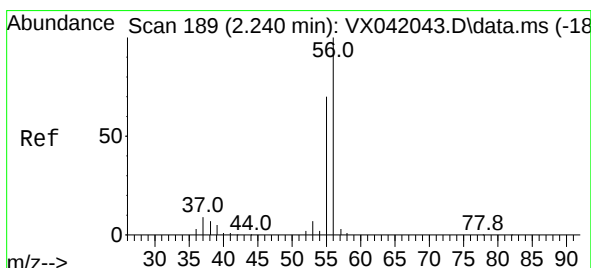
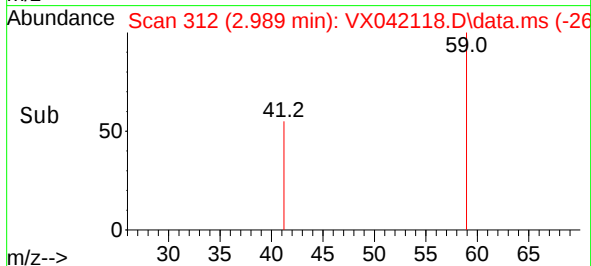
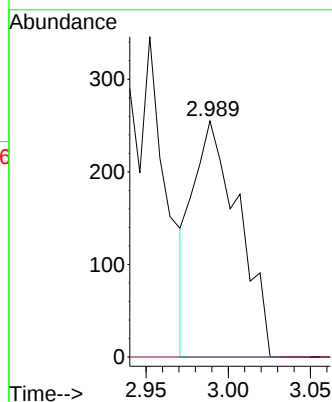
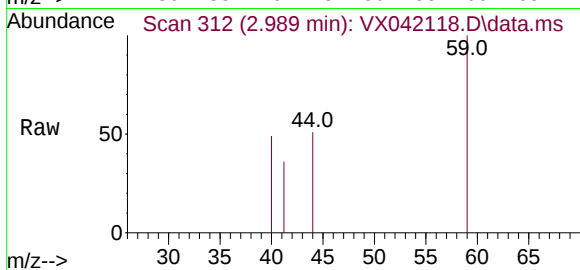
MW10D-20240626

Tgt Ion: 59 Resp: 496

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 1.085 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX042118.D

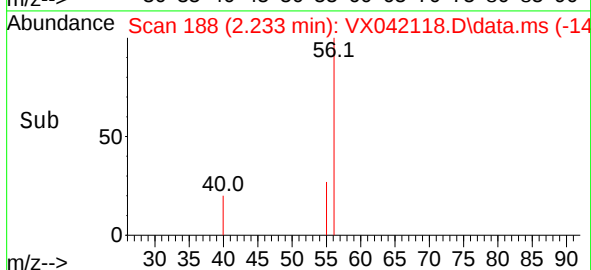
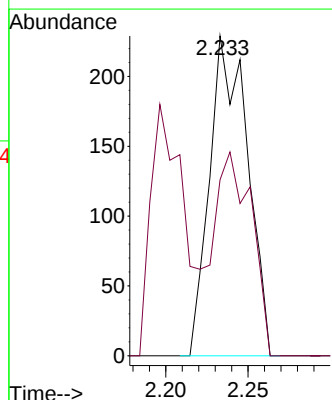
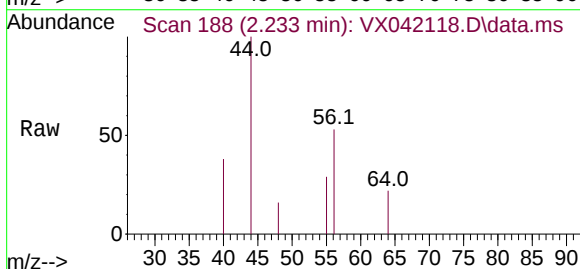
Acq: 01 Jul 2024 16:42

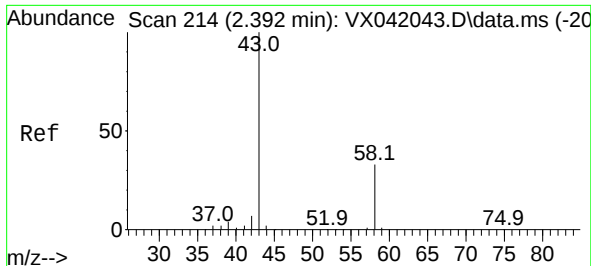
Tgt Ion: 56 Resp: 366

Ion Ratio Lower Upper

56 100

55 62.8 57.1 85.7

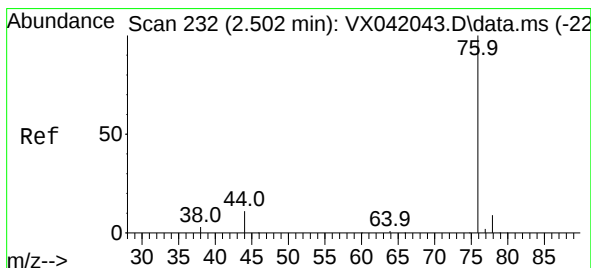
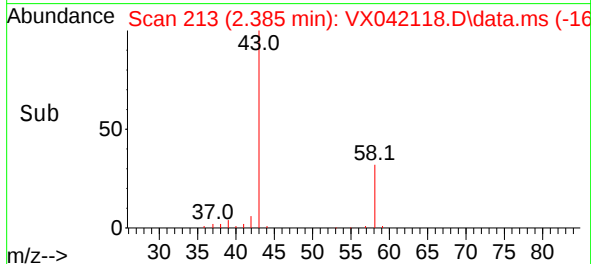
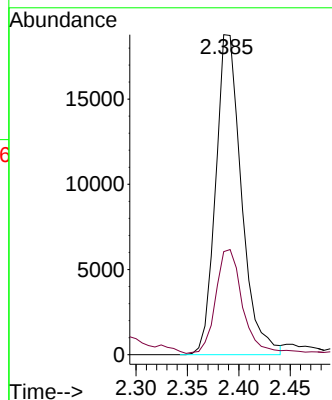
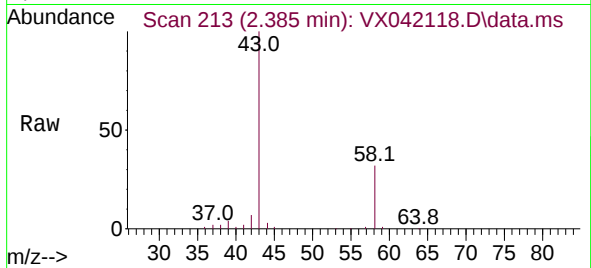




#16
Acetone
Concen: 47.085 ug/l
RT: 2.385 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX042118.D
Acq: 01 Jul 2024 16:42

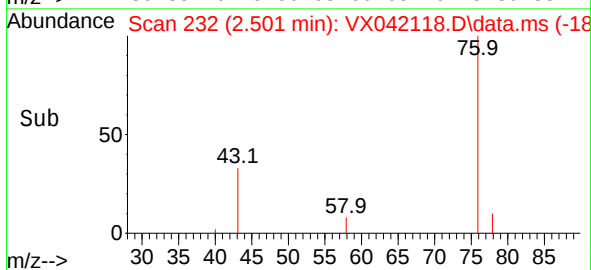
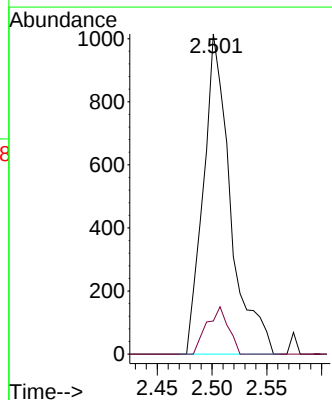
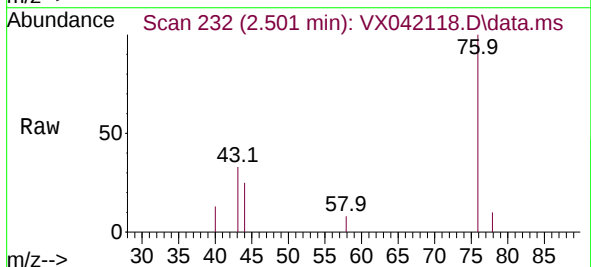
Instrument :
MSVOA_X
ClientSampleId :
MW10D-20240626

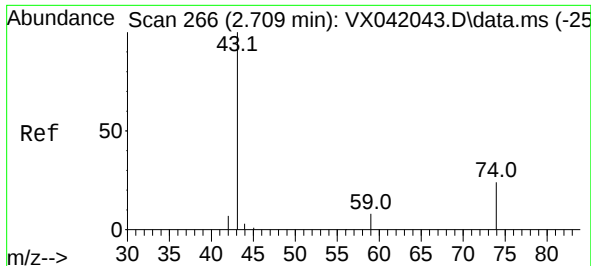
Tgt Ion: 43 Resp: 32788
Ion Ratio Lower Upper
43 100
58 31.1 21.9 32.9



#17
Carbon Disulfide
Concen: 0.721 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX042118.D
Acq: 01 Jul 2024 16:42

Tgt Ion: 76 Resp: 1744
Ion Ratio Lower Upper
76 100
78 10.3 7.0 10.6





#18

Methyl Acetate

Concen: 0.699 ug/l

RT: 2.708 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :

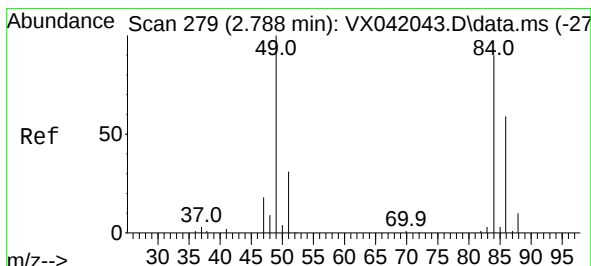
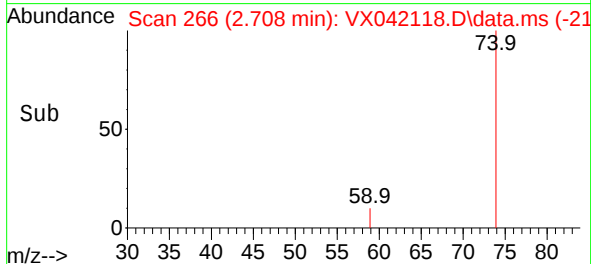
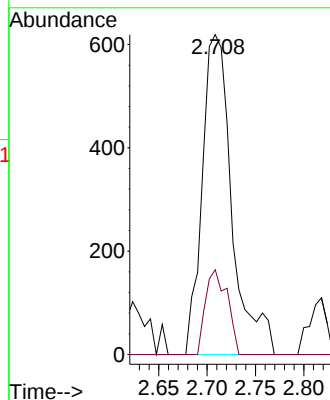
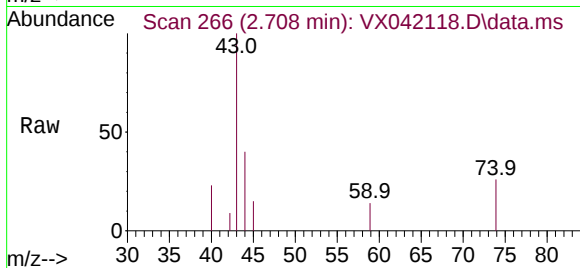
MW10D-20240626

Tgt Ion: 43 Resp: 1328

Ion Ratio Lower Upper

43 100

74 19.3 17.8 26.8



#20

Methylene Chloride

Concen: 0.586 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

Tgt Ion: 84 Resp: 894

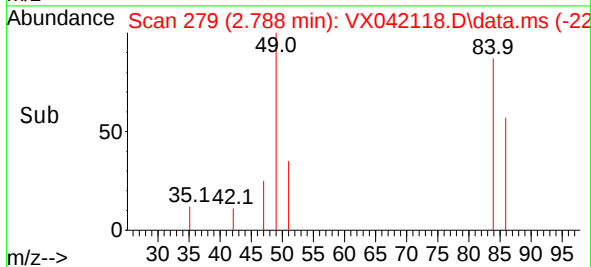
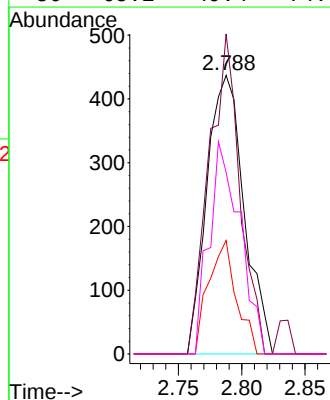
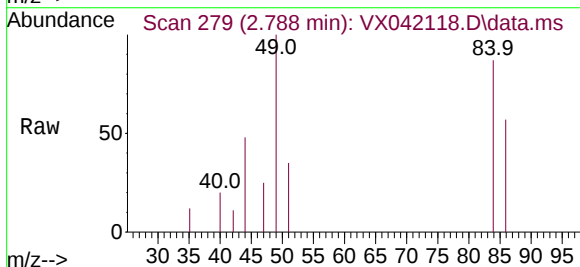
Ion Ratio Lower Upper

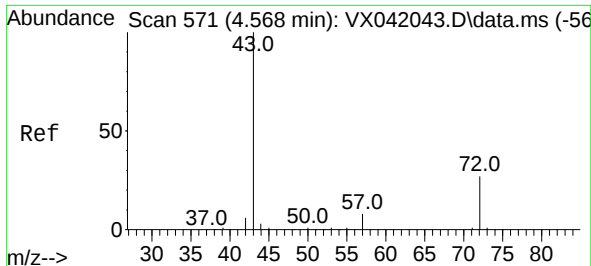
84 100

49 114.9 103.6 155.4

51 40.7 33.8 50.6

86 65.2 49.4 74.0





#25

2-Butanone

Concen: 16.670 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :

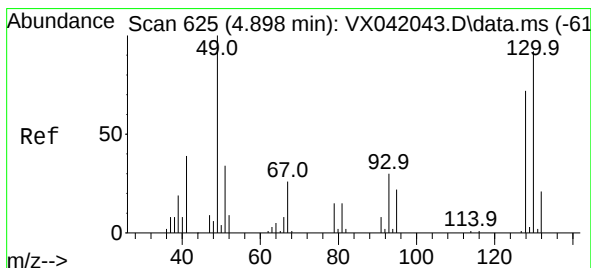
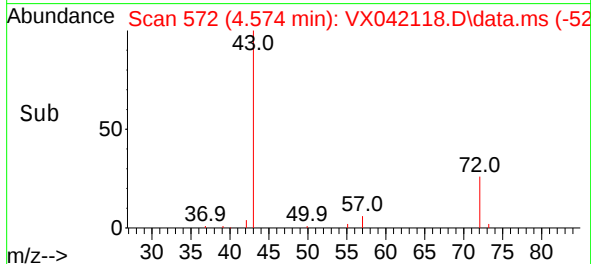
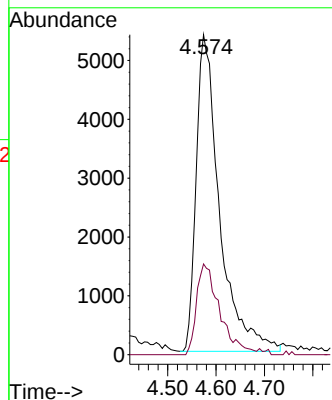
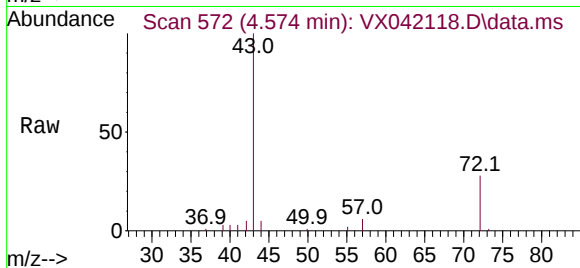
MW10D-20240626

Tgt Ion: 43 Resp: 18060

Ion Ratio Lower Upper

43 100

72 28.7 19.4 29.2



#28

Bromochloromethane

Concen: 0.202 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.183 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

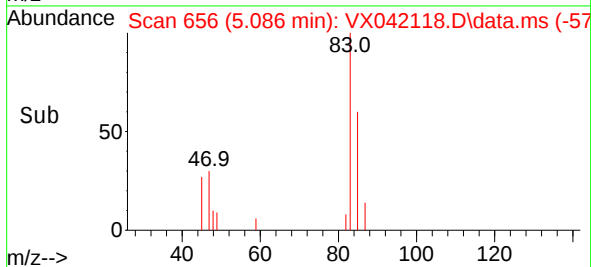
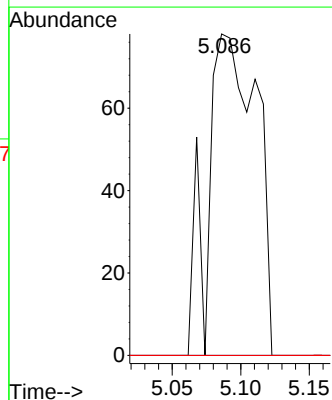
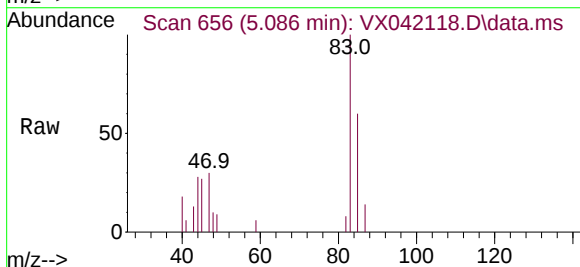
Tgt Ion: 49 Resp: 193

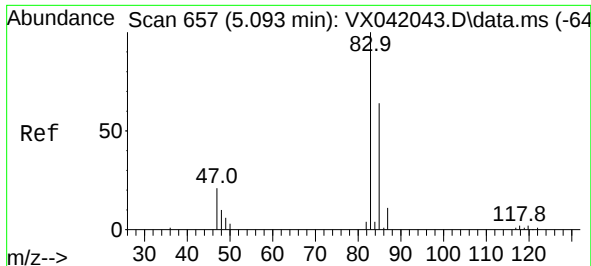
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 57.5 86.3#





#30

Chloroform

Concen: 1.427 ug/l

RT: 5.098 min Scan# 6

Delta R.T. -0.000 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :

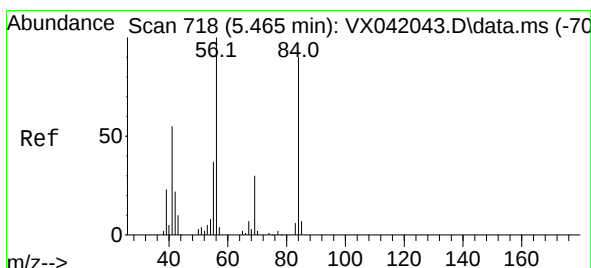
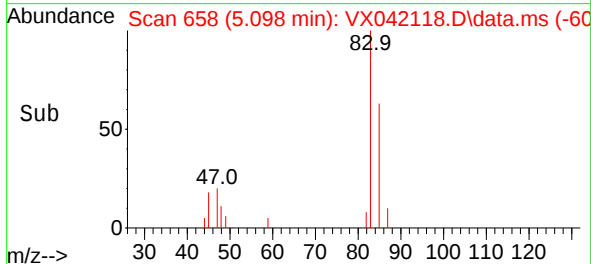
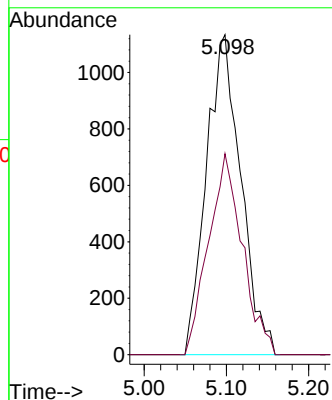
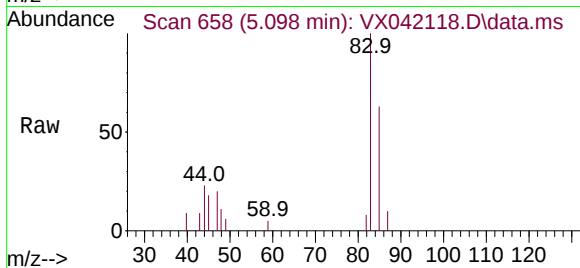
MW10D-20240626

Tgt Ion: 83 Resp: 3310

Ion Ratio Lower Upper

83 100

85 62.8 50.3 75.5



#31

Cyclohexane

Concen: 1.020 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

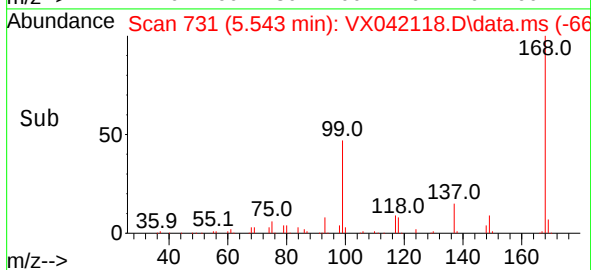
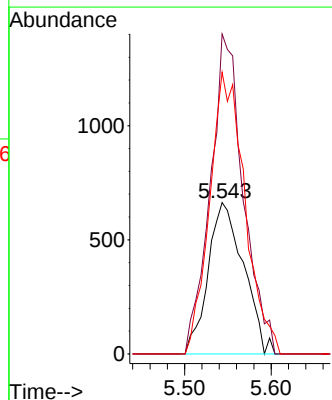
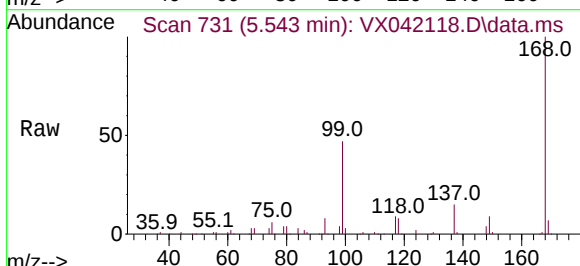
Tgt Ion: 56 Resp: 1892

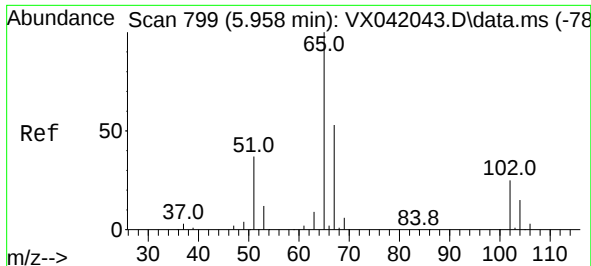
Ion Ratio Lower Upper

56 100

69 211.5 23.4 35.2#

84 186.1 65.9 98.9#

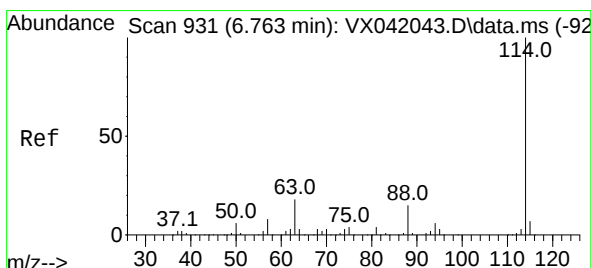
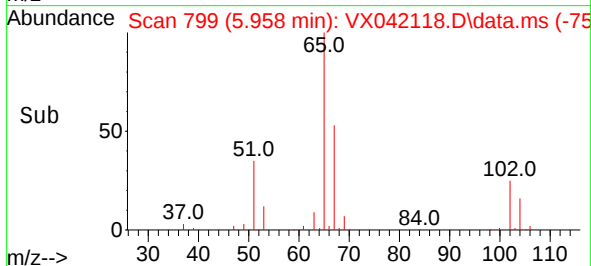
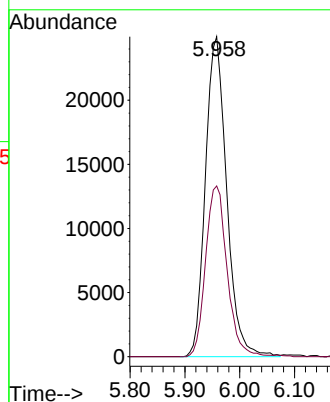
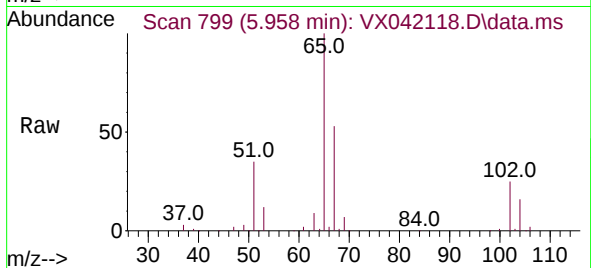




#33
1,2-Dichloroethane-d4
Concen: 42.324 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX042118.D
Acq: 01 Jul 2024 16:42

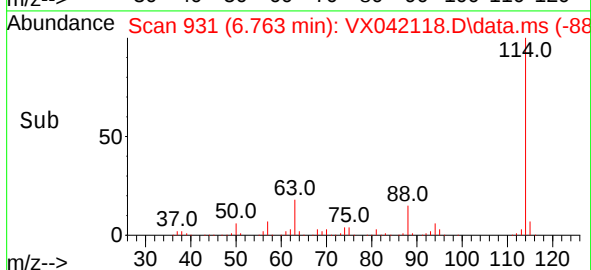
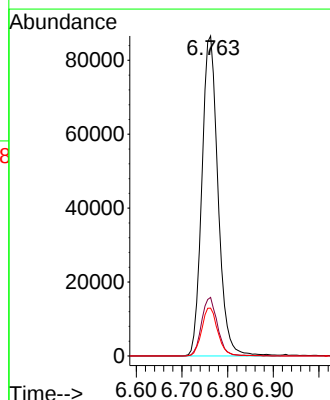
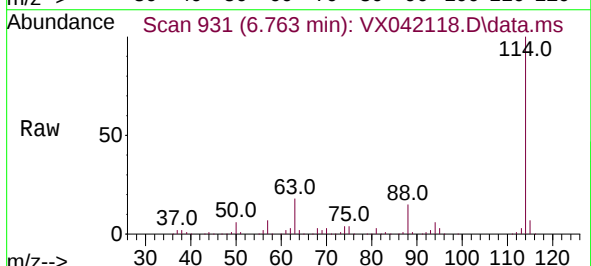
Instrument :
MSVOA_X
ClientSampleId :
MW10D-20240626

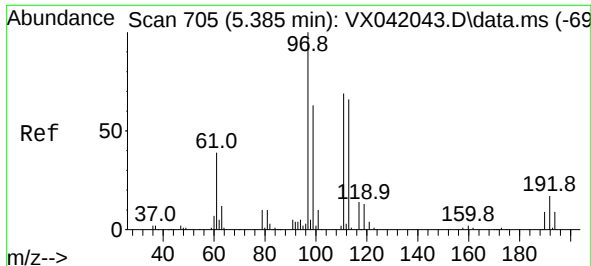
Tgt Ion: 65 Resp: 67121
Ion Ratio Lower Upper
65 100
67 54.2 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX042118.D
Acq: 01 Jul 2024 16:42

Tgt Ion:114 Resp: 212637
Ion Ratio Lower Upper
114 100
63 18.3 0.0 45.0
88 15.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 43.317 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :

MW10D-20240626

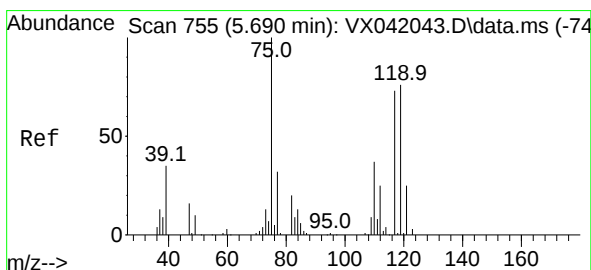
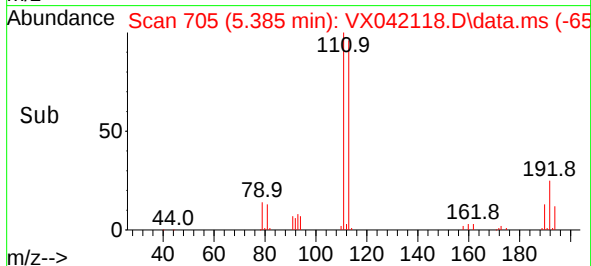
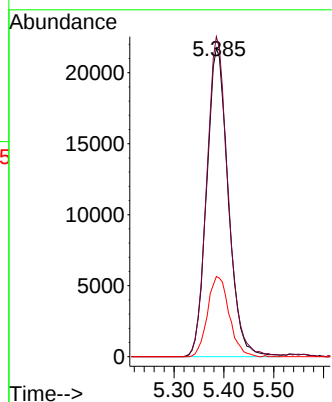
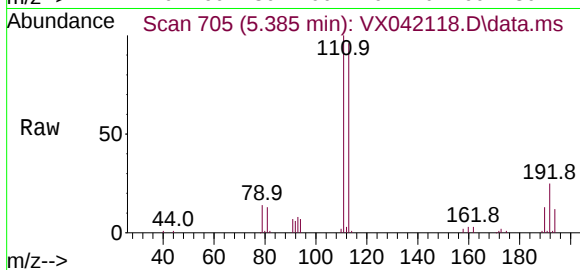
Tgt Ion:113 Resp: 65356

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

192 26.0 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 5.007 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.141 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

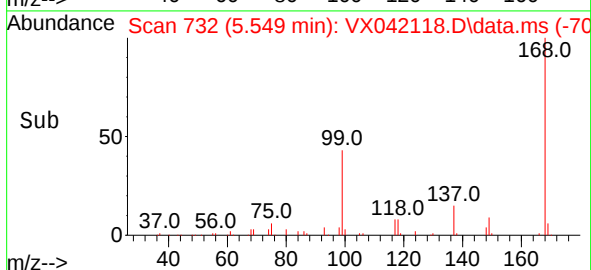
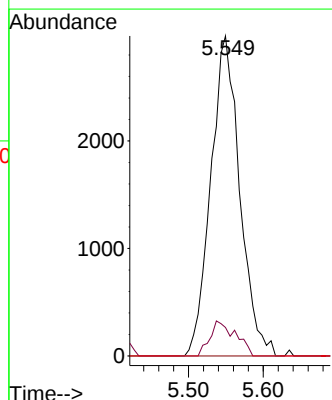
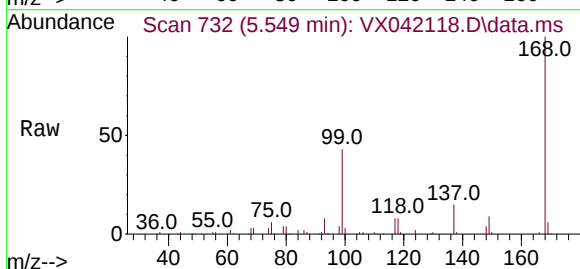
Tgt Ion: 75 Resp: 8022

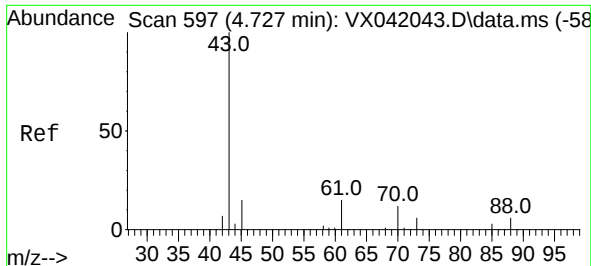
Ion Ratio Lower Upper

75 100

110 9.7 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 8.653 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.153 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :

MW10D-20240626

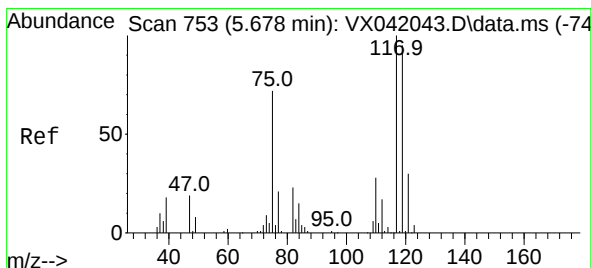
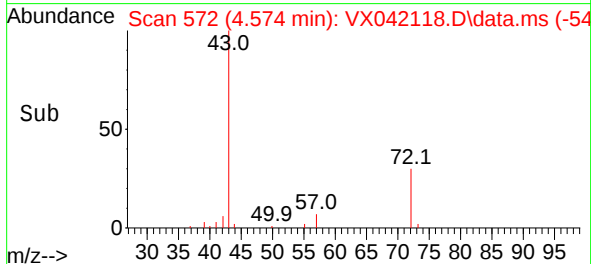
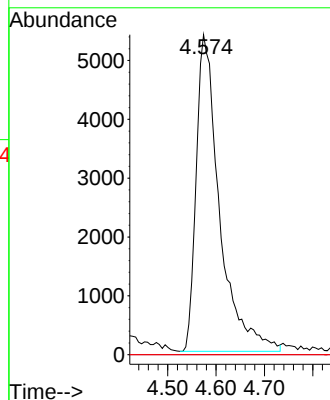
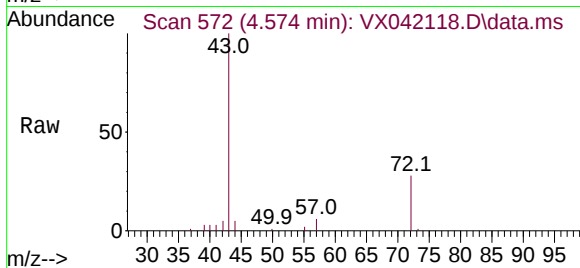
Tgt Ion: 43 Resp: 18060

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.649 ug/l

RT: 5.555 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

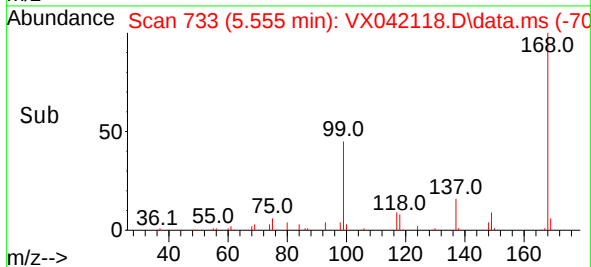
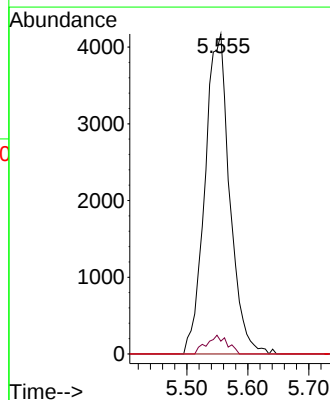
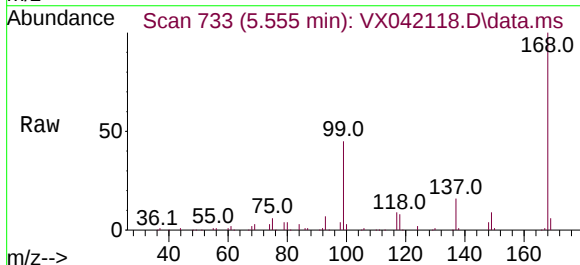
Tgt Ion: 117 Resp: 11771

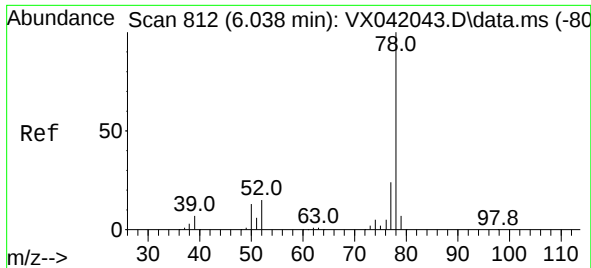
Ion Ratio Lower Upper

117 100

119 4.0 78.2 117.2#

121 0.0 24.4 36.6#

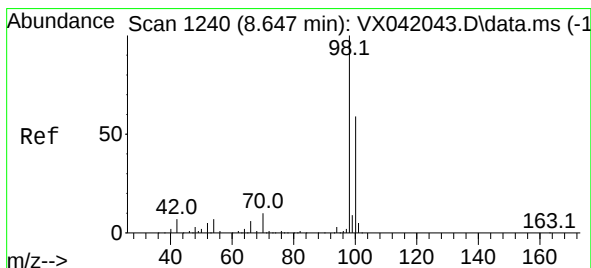
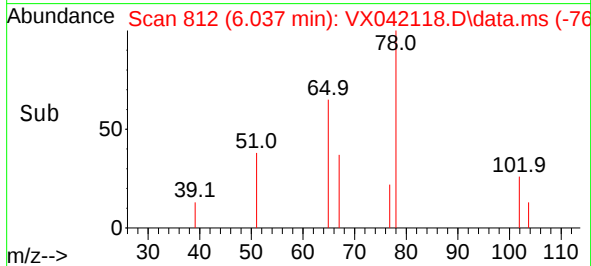
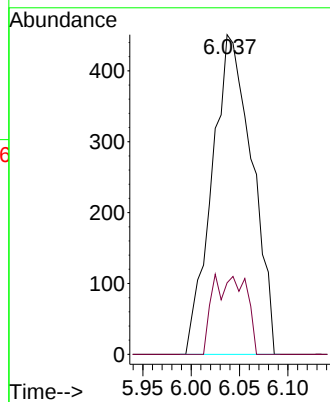
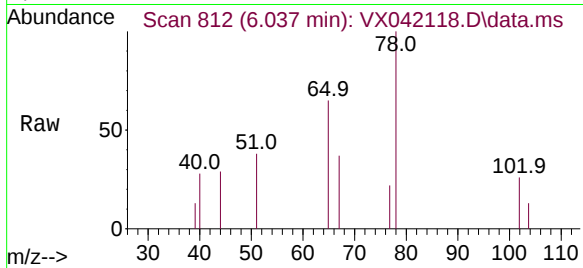




#40
Benzene
Concen: 0.240 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX042118.D
Acq: 01 Jul 2024 16:42

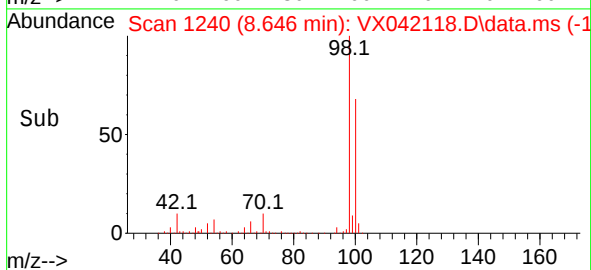
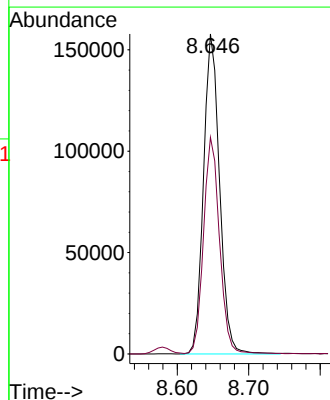
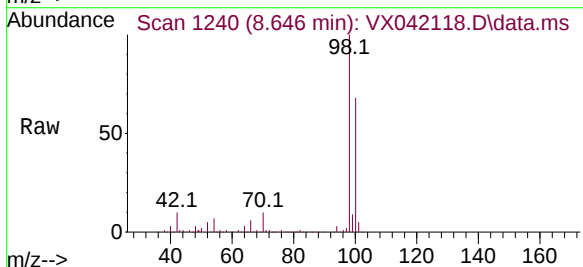
Instrument :
MSVOA_X
ClientSampleId :
MW10D-20240626

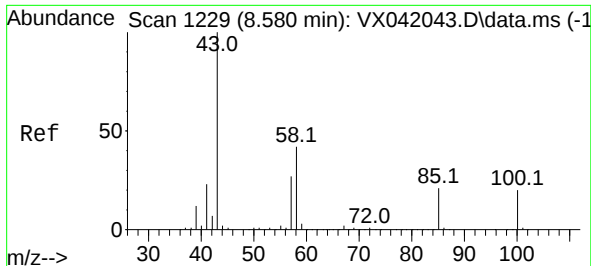
Tgt Ion: 78 Resp: 1299
Ion Ratio Lower Upper
78 100
77 22.4 19.3 28.9



#50
Toluene-d8
Concen: 46.447 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042118.D
Acq: 01 Jul 2024 16:42

Tgt Ion: 98 Resp: 246189
Ion Ratio Lower Upper
98 100
100 67.2 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 13.034 ug/l

RT: 8.579 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :

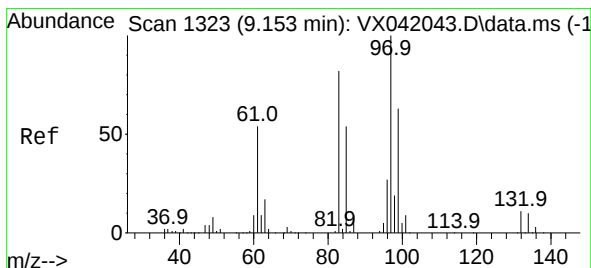
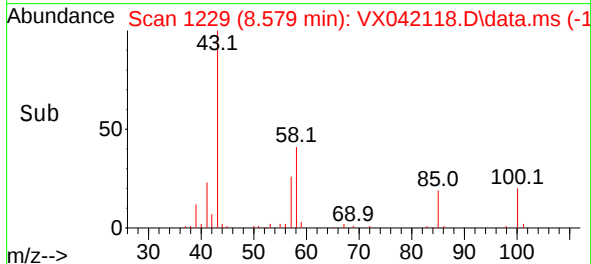
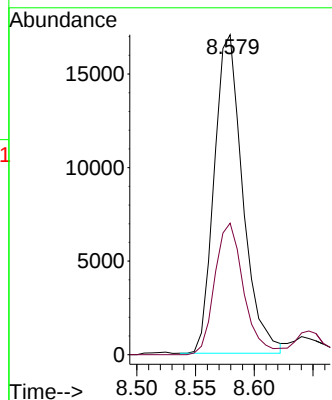
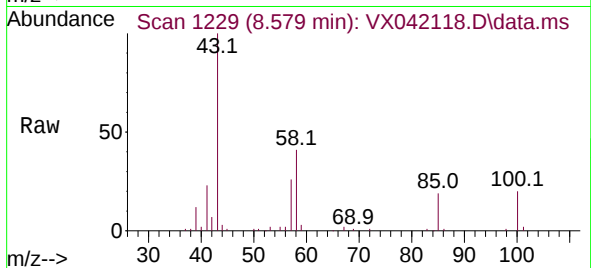
MW10D-20240626

Tgt Ion: 43 Resp: 28763

Ion Ratio Lower Upper

43 100

58 41.3 30.4 45.6



#55

1,1,2-Trichloroethane

Concen: 0.403 ug/l

RT: 9.024 min Scan# 1302

Delta R.T. -0.128 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

Tgt Ion: 97 Resp: 577

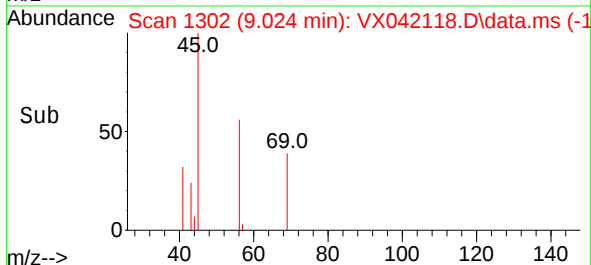
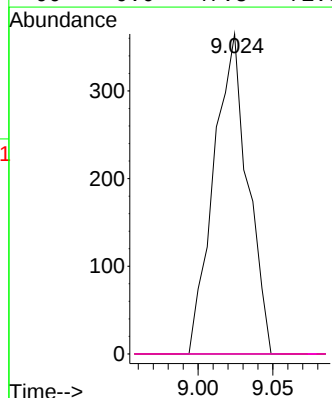
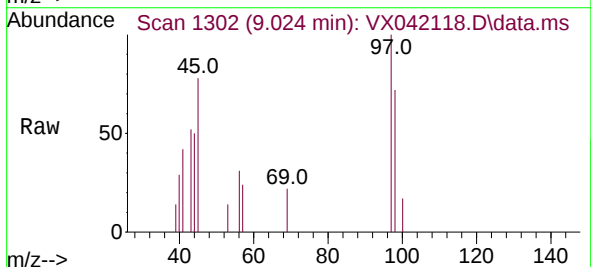
Ion Ratio Lower Upper

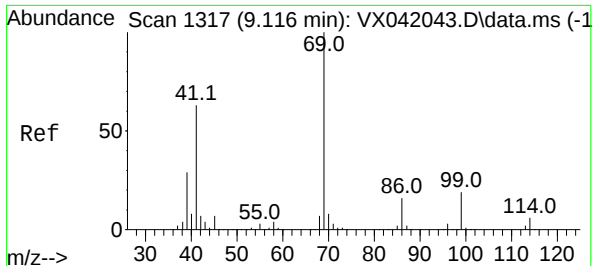
97 100

83 0.0 65.8 98.8#

85 0.0 41.6 62.4#

99 0.0 47.8 71.8#





#56

Ethyl methacrylate

Concen: 0.347 ug/l

RT: 9.043 min Scan# 1305

Delta R.T. -0.080 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :

MW10D-20240626

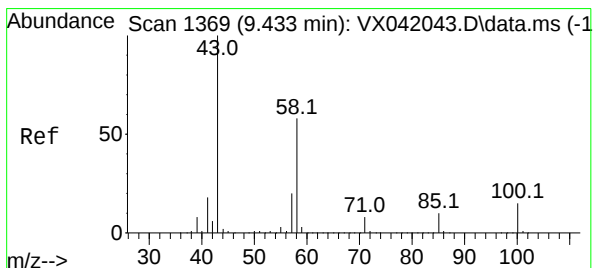
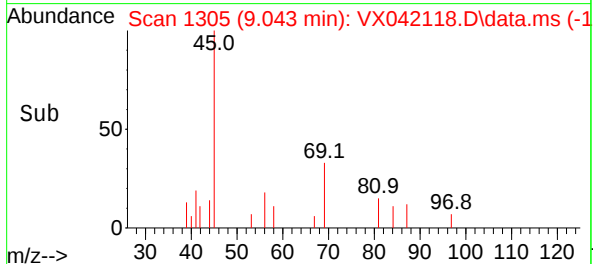
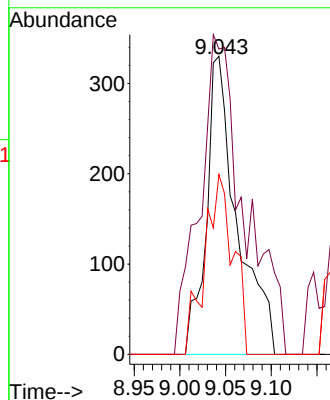
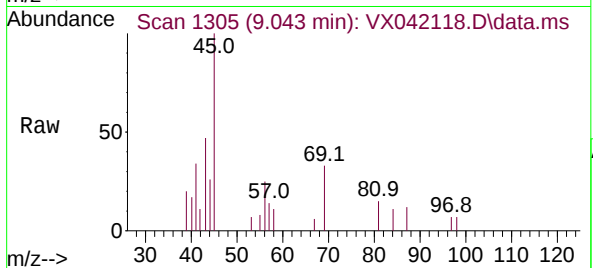
Tgt Ion: 69 Resp: 773

Ion Ratio Lower Upper

69 100

41 155.1 56.8 85.2#

39 55.9 32.0 48.0#



#59

2-Hexanone

Concen: 2.047 ug/l

RT: 9.445 min Scan# 1371

Delta R.T. 0.012 min

Lab File: VX042118.D

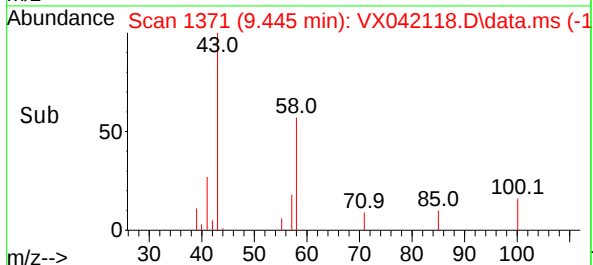
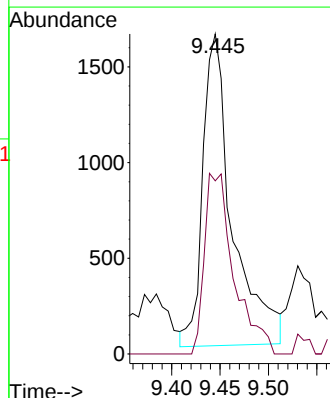
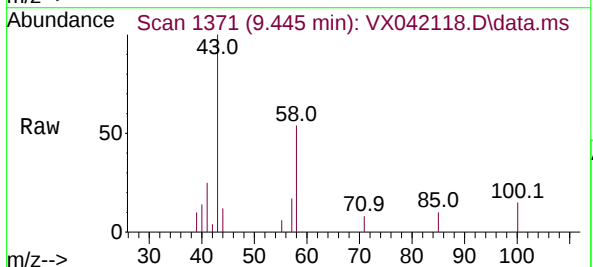
Acq: 01 Jul 2024 16:42

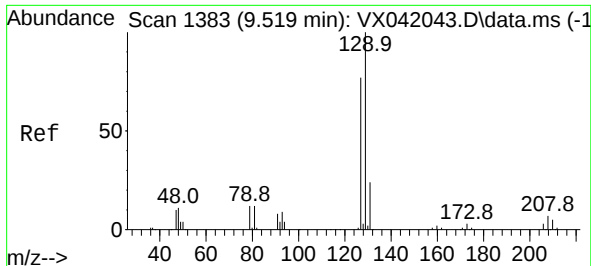
Tgt Ion: 43 Resp: 3459

Ion Ratio Lower Upper

43 100

58 57.7 26.2 78.5





#60

Dibromochloromethane

Concen: 0.394 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :

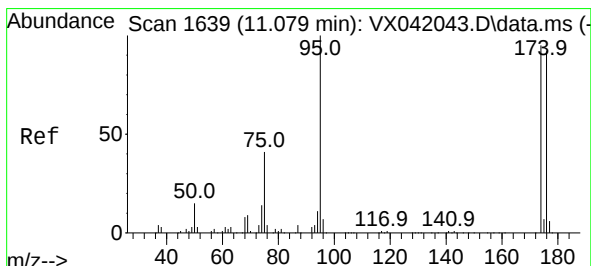
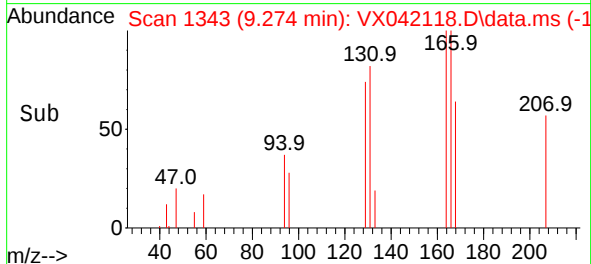
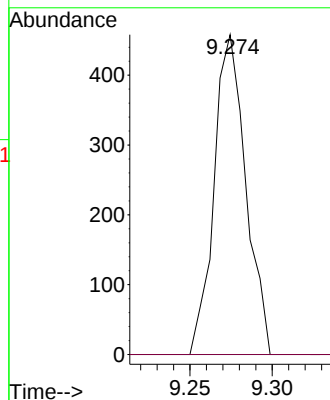
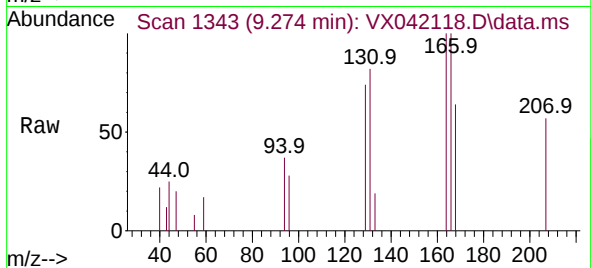
MW10D-20240626

Tgt Ion:129 Resp: 614

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#



#62

4-Bromofluorobenzene

Concen: 46.538 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

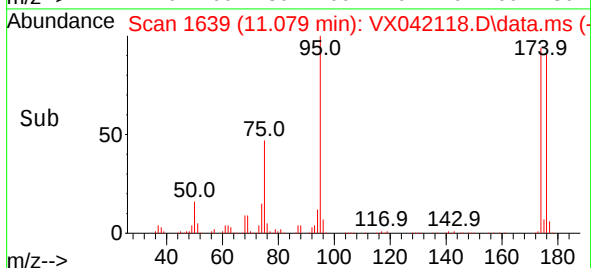
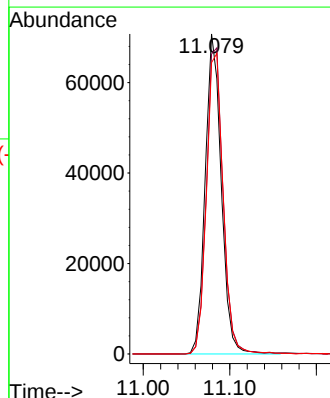
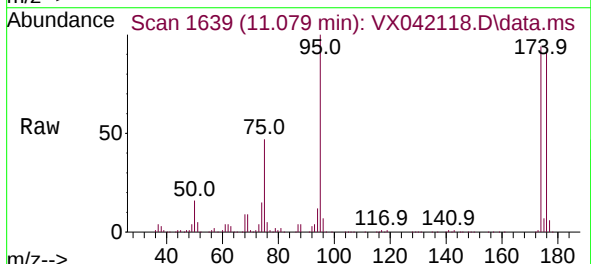
Tgt Ion: 95 Resp: 90929

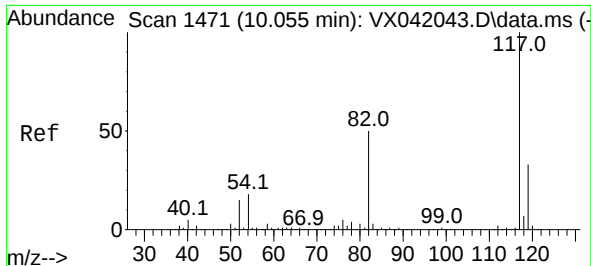
Ion Ratio Lower Upper

95 100

174 100.1 0.0 135.6

176 98.1 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :

MW10D-20240626

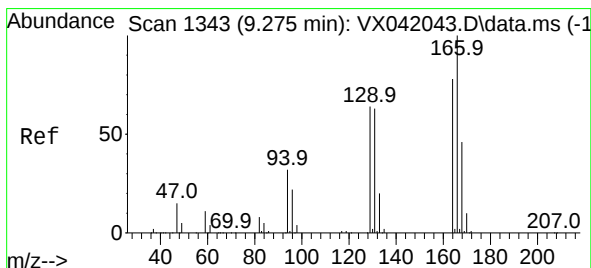
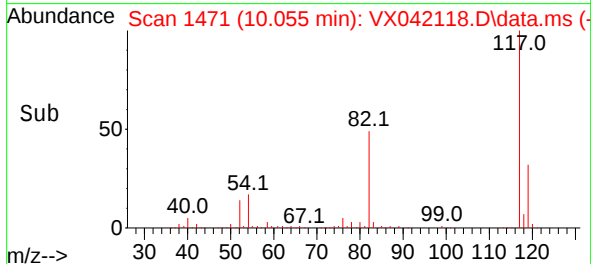
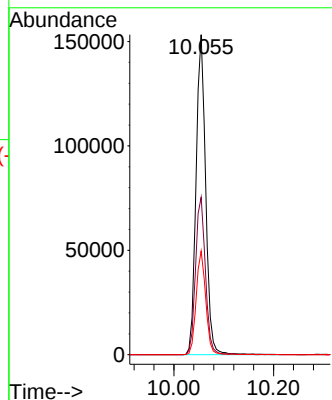
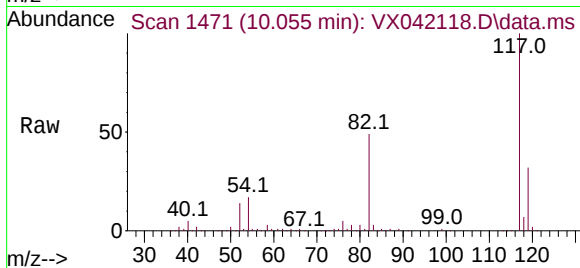
Tgt Ion:117 Resp: 205608

Ion Ratio Lower Upper

117 100

82 49.2 46.2 69.4

119 32.4 25.5 38.3



#64

Tetrachloroethene

Concen: 0.579 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX042118.D

Acq: 01 Jul 2024 16:42

Tgt Ion:164 Resp: 867

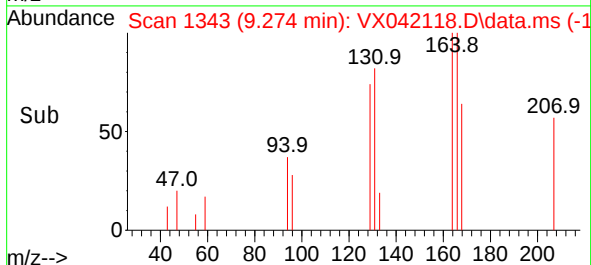
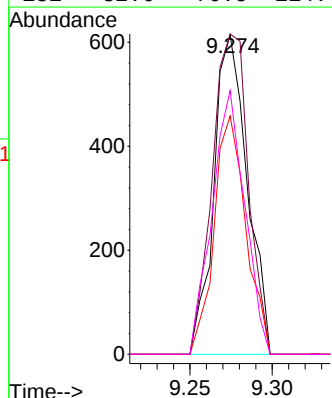
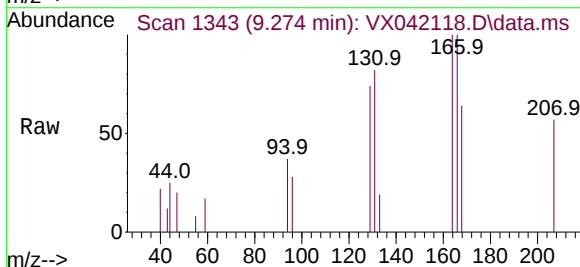
Ion Ratio Lower Upper

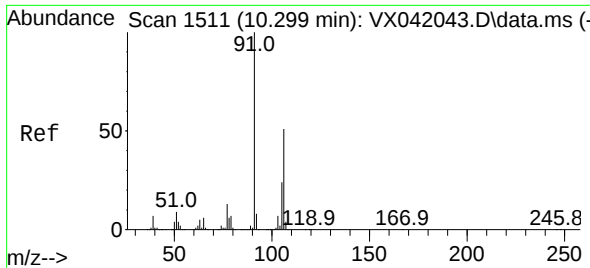
164 100

166 100.3 102.7 154.1#

129 74.6 80.4 120.6#

131 82.6 76.5 114.7

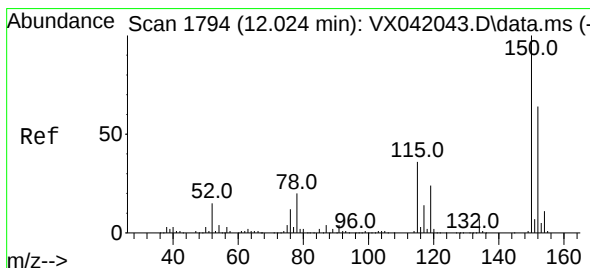
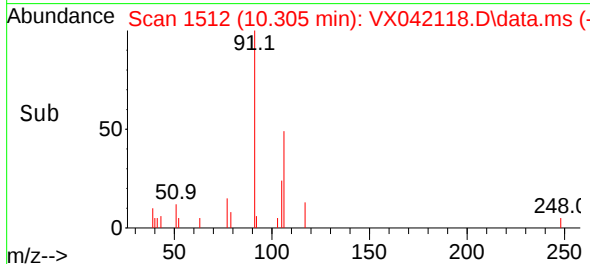
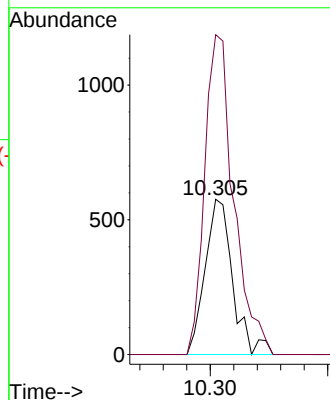
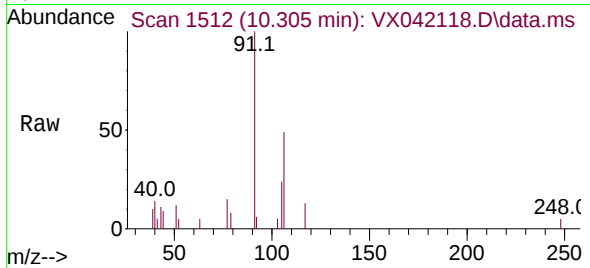




#68
m/p-Xylenes
Concen: 0.347 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX042118.D
Acq: 01 Jul 2024 16:42

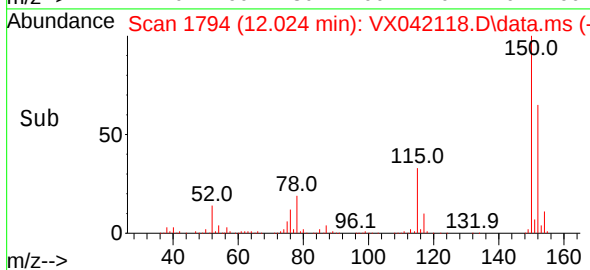
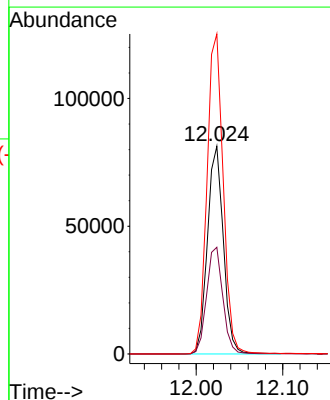
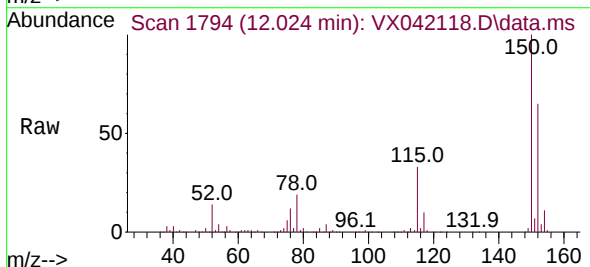
Instrument :
MSVOA_X
ClientSampleId :
MW10D-20240626

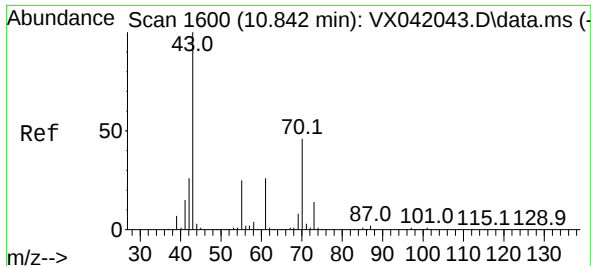
Tgt Ion:106 Resp: 939
Ion Ratio Lower Upper
106 100
91 216.7 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX042118.D
Acq: 01 Jul 2024 16:42

Tgt Ion:152 Resp: 103544
Ion Ratio Lower Upper
152 100
115 52.7 43.3 129.9
150 157.1 0.0 345.0

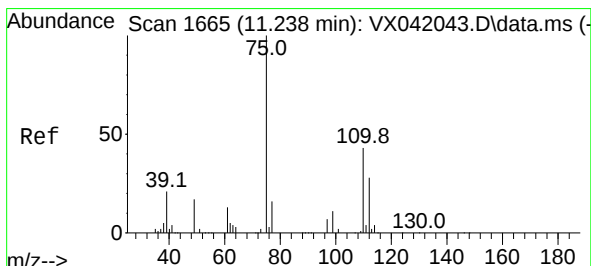
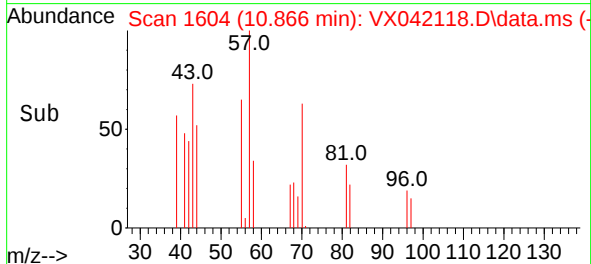
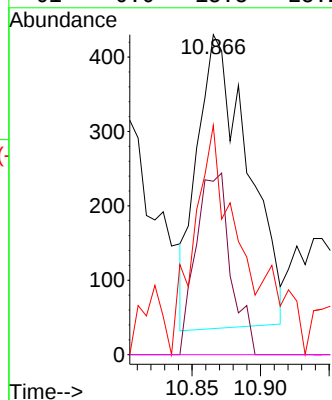
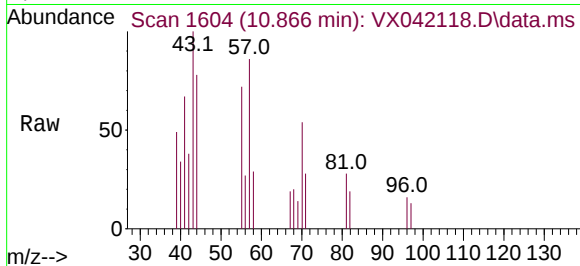




#74
N-ethyl acetate
Concen: 0.362 ug/l
RT: 10.866 min Scan# 1604
Delta R.T. 0.024 min
Lab File: VX042118.D
Acq: 01 Jul 2024 16:42

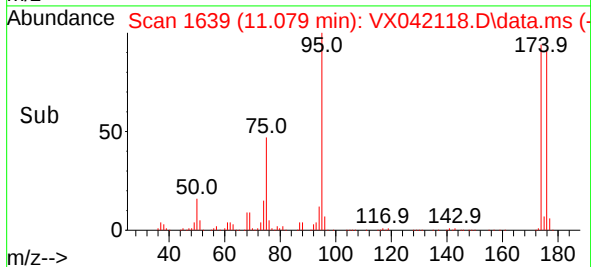
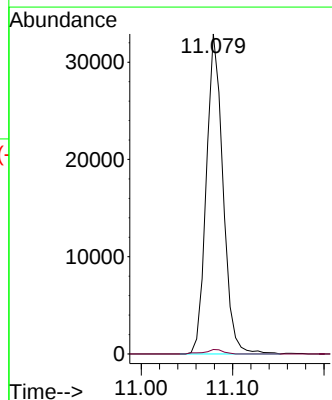
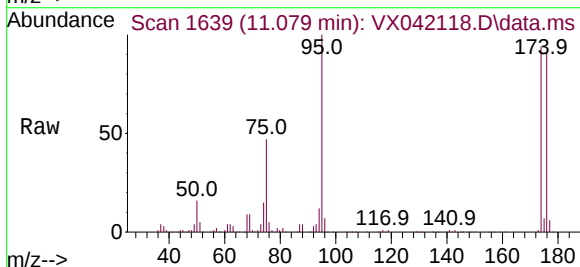
Instrument :
MSVOA_X
ClientSampleId :
MW10D-20240626

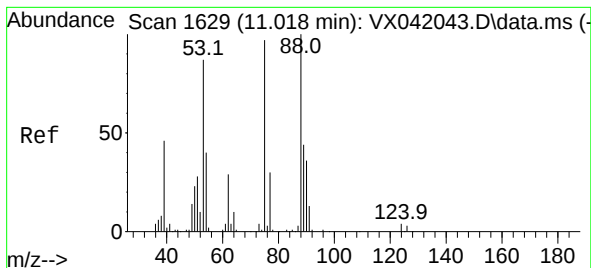
Tgt Ion: 43	Resp: 1013
Ion Ratio	Lower Upper
43 100	
70 42.6	32.9 49.3
55 77.6	19.3 28.9#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 22.106 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX042118.D
Acq: 01 Jul 2024 16:42

Tgt Ion: 75	Resp: 41554
Ion Ratio	Lower Upper
75 100	
77 1.6	19.1 57.5#

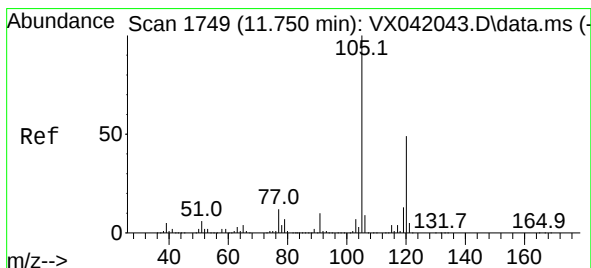
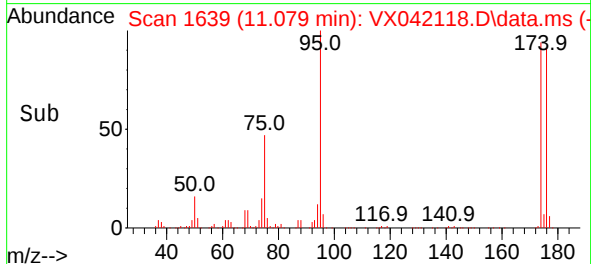
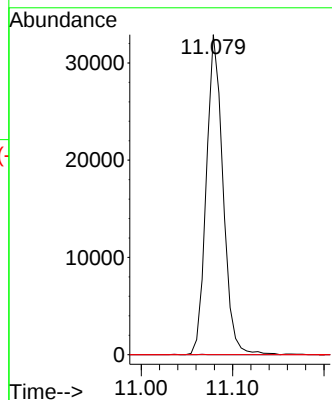
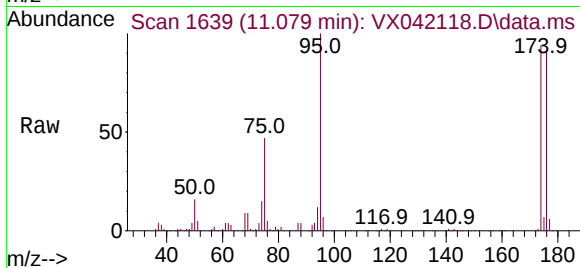




#81
trans-1,4-Dichloro-2-butene
Concen: 62.780 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042118.D
Acq: 01 Jul 2024 16:42

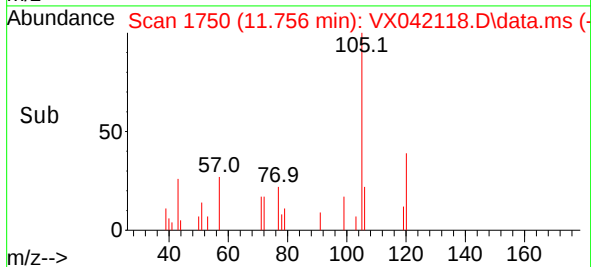
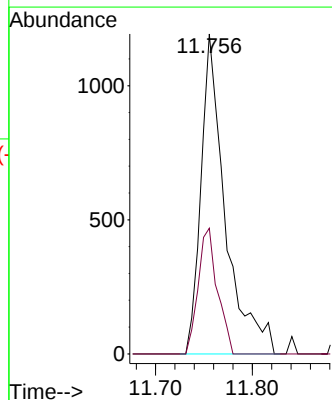
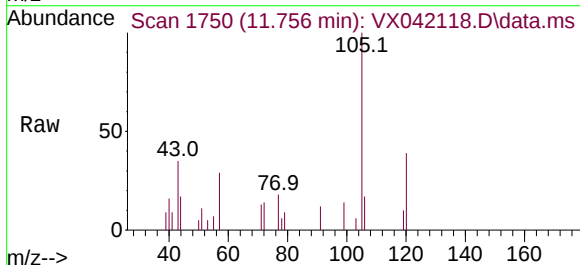
Instrument :
MSVOA_X
ClientSampleId :
MW10D-20240626

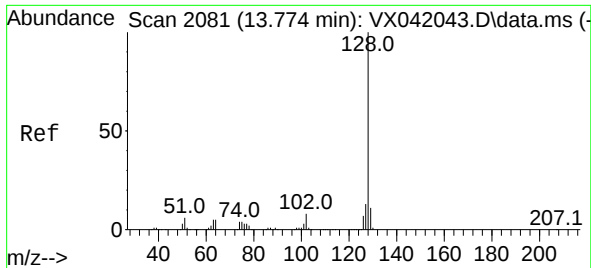
Tgt Ion: 75 Resp: 41554
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.395 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX042118.D
Acq: 01 Jul 2024 16:42

Tgt Ion: 105 Resp: 2078
Ion Ratio Lower Upper
105 100
120 31.2 21.2 63.6





#95

Naphthalene

Concen: 1.117 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX042118.D

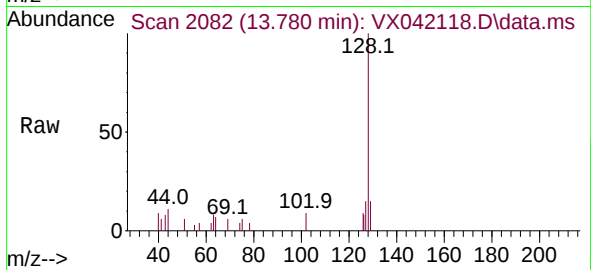
Acq: 01 Jul 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :

MW10D-20240626



Tgt Ion:128 Resp: 2781

Ion Ratio Lower Upper

128 100

127 11.4 10.3 15.5

129 11.4 8.8 13.2

