

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070124\
 Data File : VX042109.D
 Acq On : 01 Jul 2024 13:12
 Operator : JC/MD
 Sample : P3092-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20240626

Quant Time: Jul 02 02:04:04 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	5.550	168	166673	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	253481	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121141	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81628	42.471	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.940%
35) Dibromofluoromethane	5.385	113	79500	44.202	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.400%
50) Toluene-d8	8.647	98	295509	46.769	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.540%
62) 4-Bromofluorobenzene	11.079	95	108726	46.680	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.360%

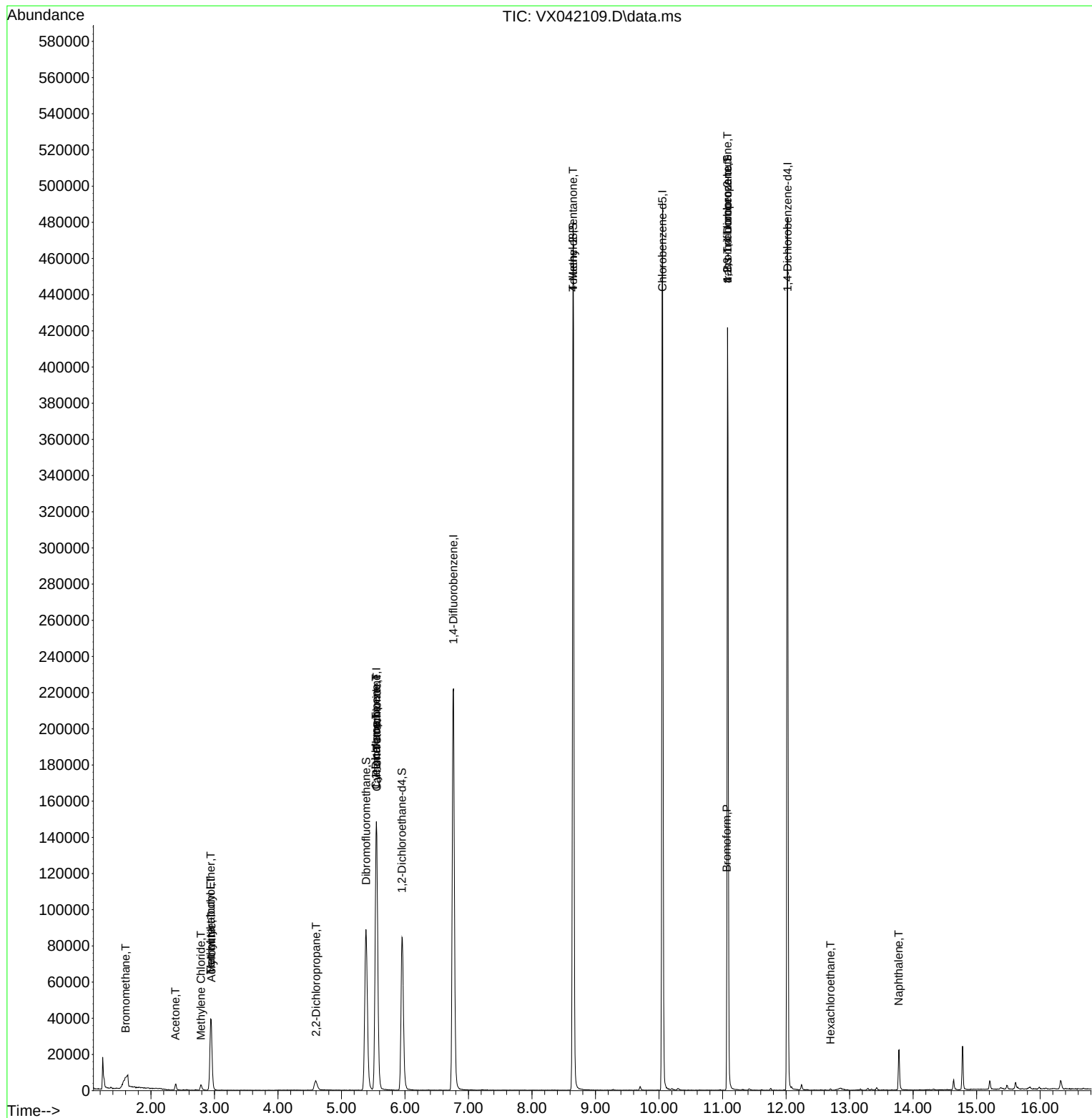
Target Compounds					Qvalue
5) Bromomethane	1.599	94	206	0.261 ug/l	83
6) Chloroethane	1.654	64	217	Below Cal	# 43
11) Tert butyl alcohol	2.940	59	23927	65.598 ug/l	# 82
15) Acrylonitrile	2.953	53	341	0.358 ug/l	# 17
16) Acetone	2.386	43	3842	4.553 ug/l	96
19) Methyl tert-butyl Ether	2.940	73	1278	0.269 ug/l	93
20) Methylene Chloride	2.788	84	1779	0.963 ug/l	# 86
26) 2,2-Dichloropropane	4.599	77	396	0.203 ug/l	# 54
31) Cyclohexane	5.544	56	2243	0.998 ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	9528	4.989 ug/l	# 51
38) Carbon Tetrachloride	5.556	117	13893	6.584 ug/l	# 15
51) 4-Methyl-2-Pentanone	8.647	43	1040	0.395 ug/l	# 1
71) Bromoform	11.067	173	54	0.907 ug/l	# 29
76) 1,2,3-Trichloropropane	11.079	75	49410	22.467 ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	49410	63.805 ug/l	# 5
90) Hexachloroethane	12.701	117	514	0.454 ug/l	# 17
95) Naphthalene	13.774	128	18002	2.790 ug/l	98

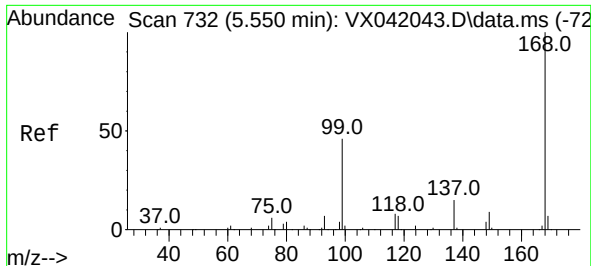
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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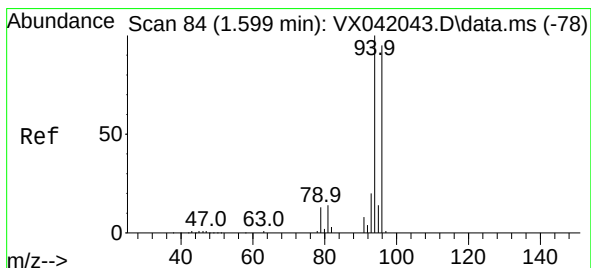
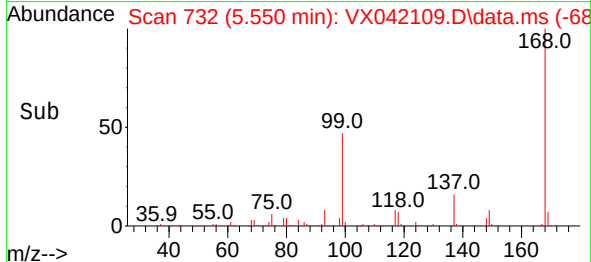
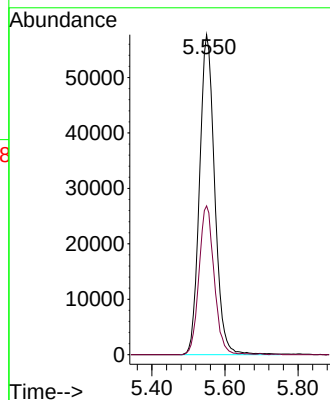
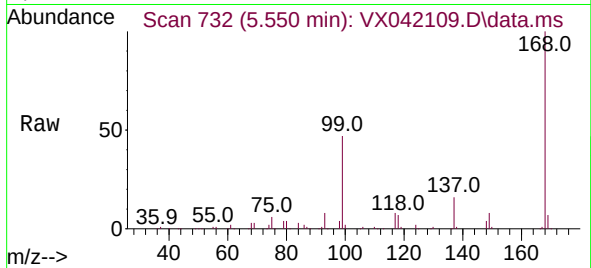




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 74
Delta R.T. -0.000 min
Lab File: VX042109.D
Acq: 01 Jul 2024 13:12

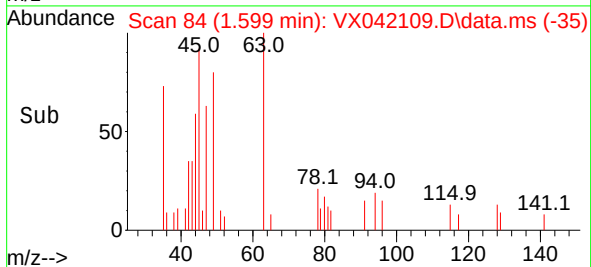
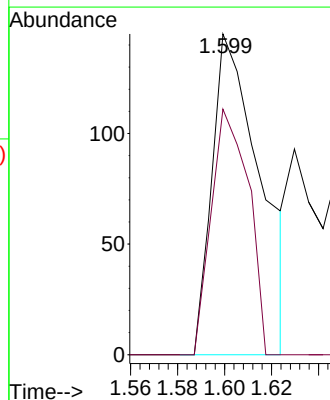
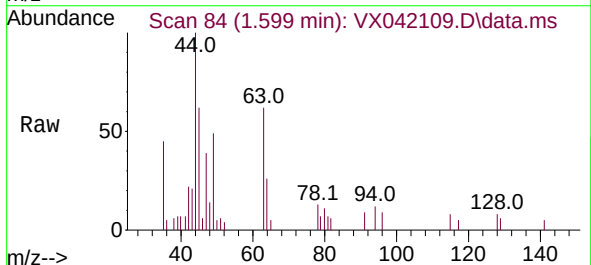
Instrument :
MSVOA_X
ClientSampleId :
TB-20240626

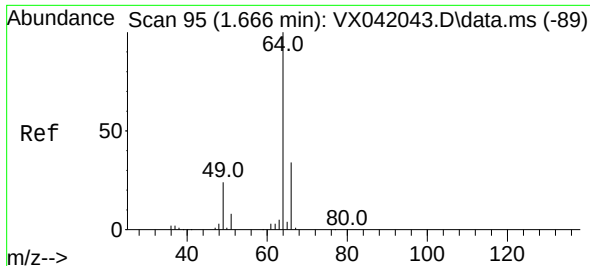
Tgt Ion:168 Resp: 166673
Ion Ratio Lower Upper
168 100
99 46.5 56.6 85.0#



#5
Bromomethane
Concen: 0.261 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042109.D
Acq: 01 Jul 2024 13:12

Tgt Ion: 94 Resp: 206
Ion Ratio Lower Upper
94 100
96 76.6 74.6 111.8

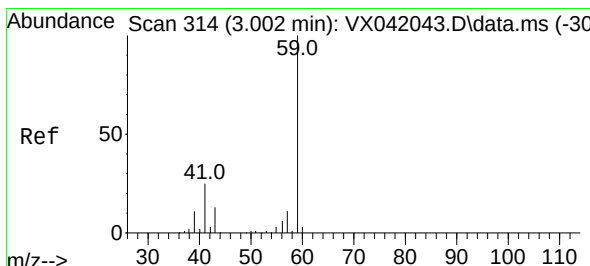
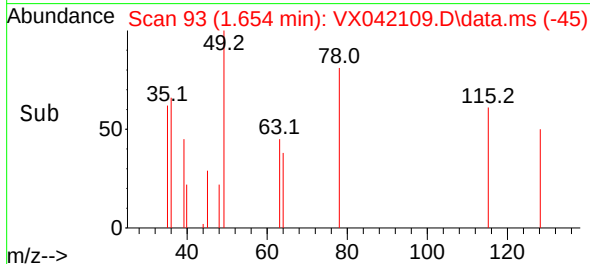
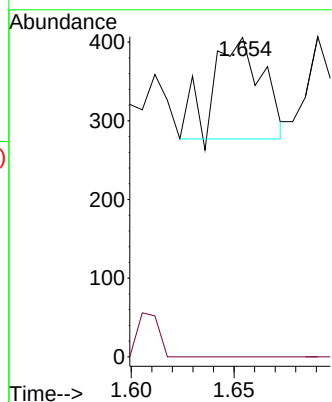
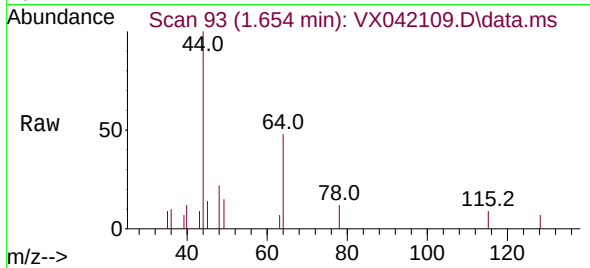




#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX042109.D
Acq: 01 Jul 2024 13:12

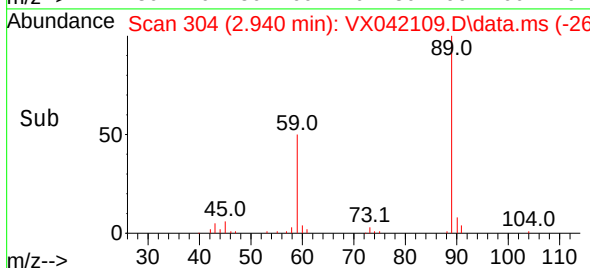
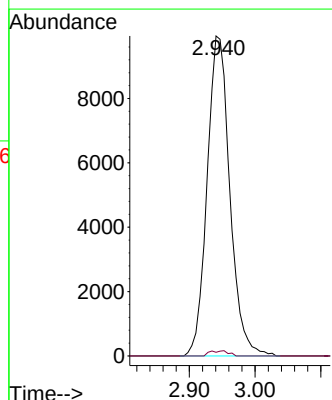
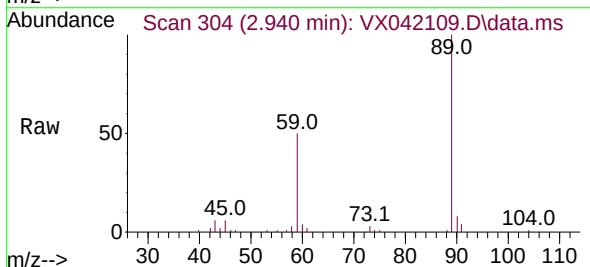
Instrument :
MSVOA_X
ClientSampleId :
TB-20240626

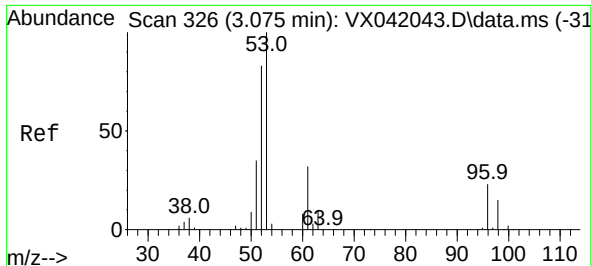
Tgt Ion: 64 Resp: 217
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 65.598 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.067 min
Lab File: VX042109.D
Acq: 01 Jul 2024 13:12

Tgt Ion: 59 Resp: 23927
Ion Ratio Lower Upper
59 100
57 1.3 6.0 9.0#





#15

Acrylonitrile

Concen: 0.358 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.122 min

Lab File: VX042109.D

Acq: 01 Jul 2024 13:12

Instrument :

MSVOA_X

ClientSampleId :

TB-20240626

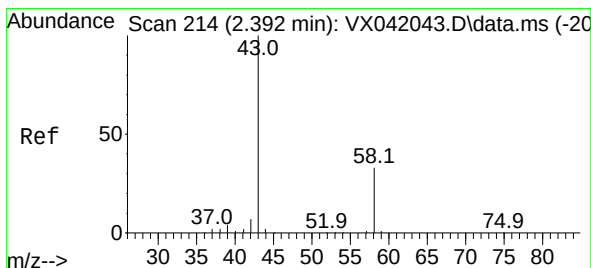
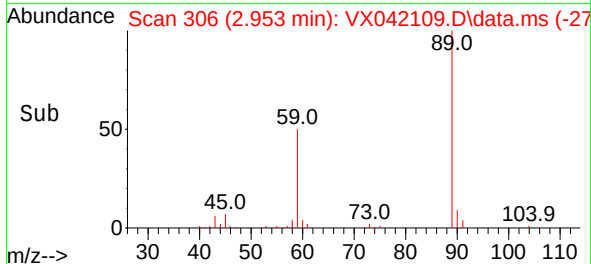
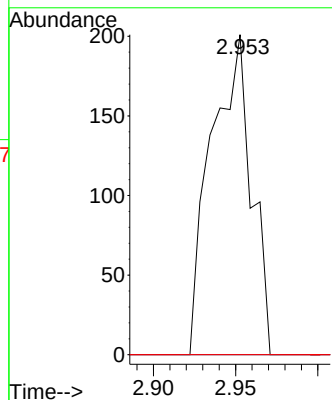
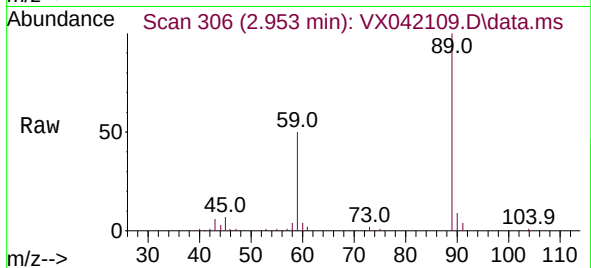
Tgt Ion: 53 Resp: 341

Ion Ratio Lower Upper

53 100

52 0.0 66.0 99.0#

51 0.0 29.8 44.6#



#16

Acetone

Concen: 4.553 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX042109.D

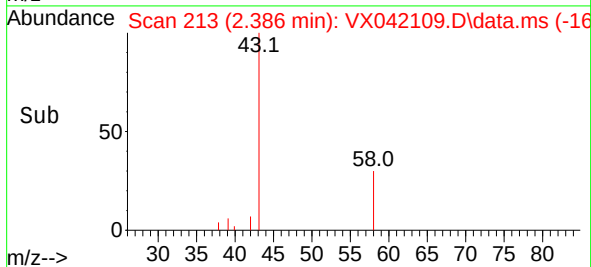
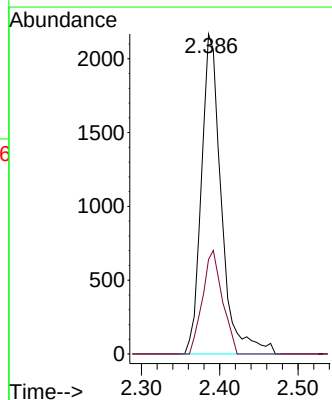
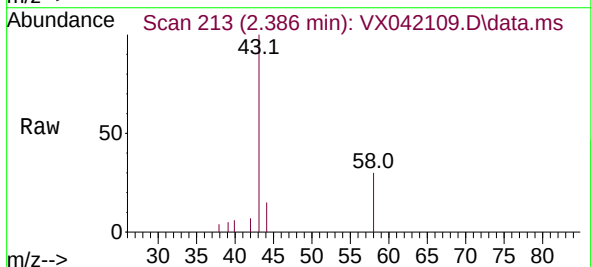
Acq: 01 Jul 2024 13:12

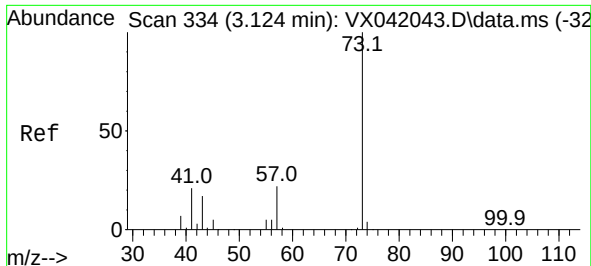
Tgt Ion: 43 Resp: 3842

Ion Ratio Lower Upper

43 100

58 29.5 21.9 32.9





#19

Methyl tert-butyl Ether

Concen: 0.269 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.183 min

Lab File: VX042109.D

Acq: 01 Jul 2024 13:12

Instrument :

MSVOA_X

ClientSampleId :

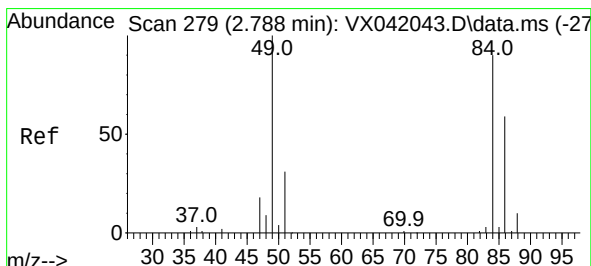
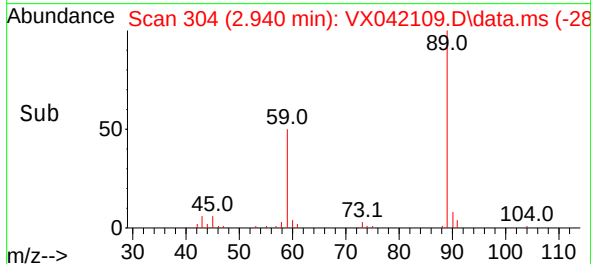
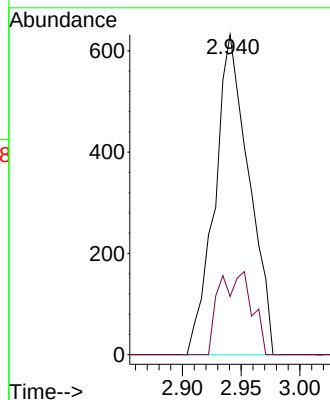
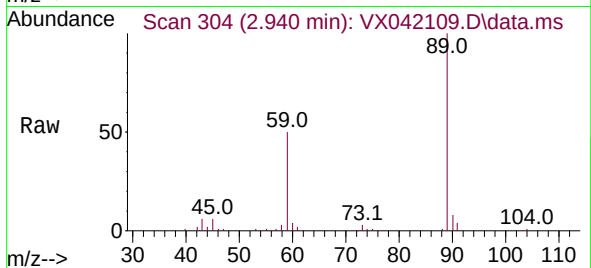
TB-20240626

Tgt Ion: 73 Resp: 1278

Ion Ratio Lower Upper

73 100

57 18.2 17.3 25.9



#20

Methylene Chloride

Concen: 0.963 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX042109.D

Acq: 01 Jul 2024 13:12

Tgt Ion: 84 Resp: 1779

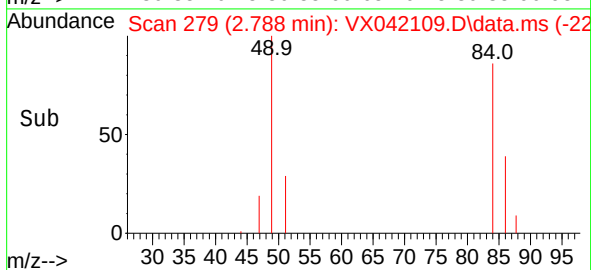
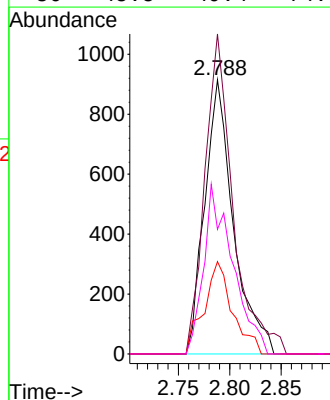
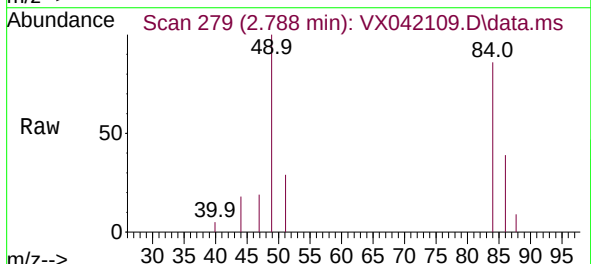
Ion Ratio Lower Upper

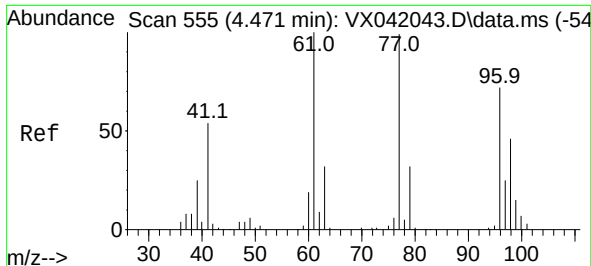
84 100

49 116.7 103.6 155.4

51 33.7 33.8 50.6#

86 45.5 49.4 74.0#

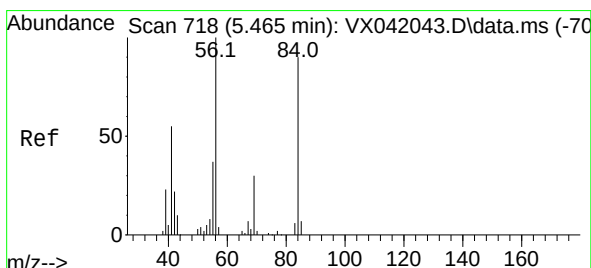
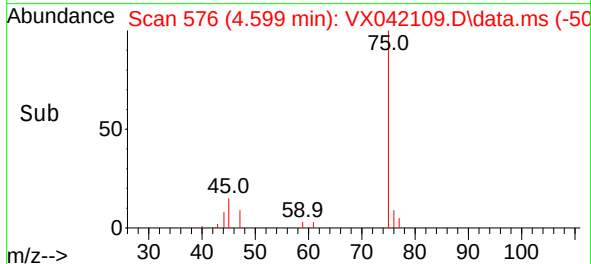
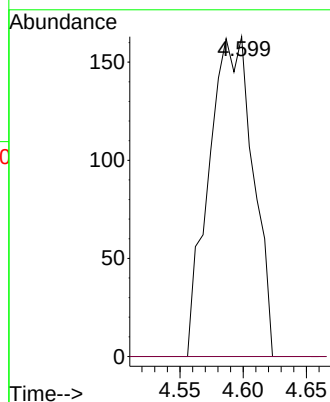
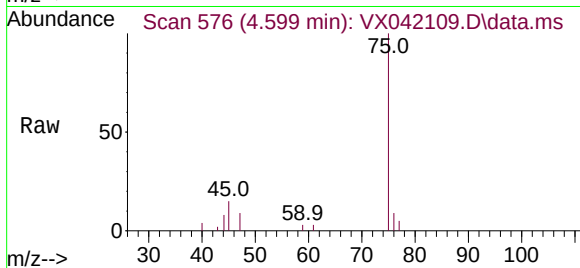




#26
2,2-Dichloropropane
Concen: 0.203 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.128 min
Lab File: VX042109.D
Acq: 01 Jul 2024 13:12

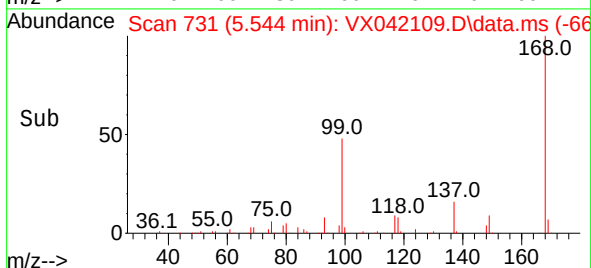
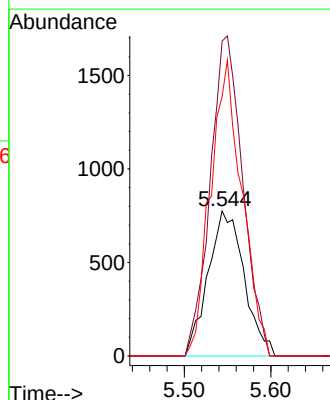
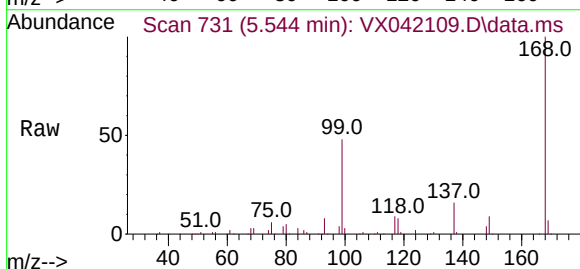
Instrument :
MSVOA_X
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TB-20240626

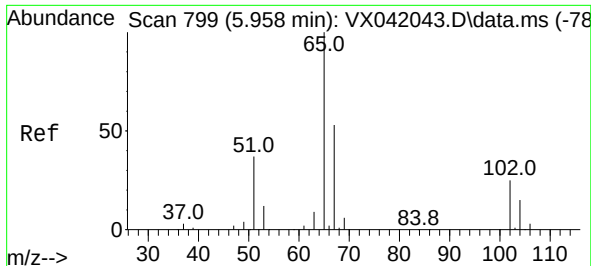
Tgt Ion: 77 Resp: 396
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



#31
Cyclohexane
Concen: 0.998 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX042109.D
Acq: 01 Jul 2024 13:12

Tgt Ion: 56 Resp: 2243
Ion Ratio Lower Upper
56 100
69 217.3 23.4 35.2#
84 179.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.471 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX042109.D

Acq: 01 Jul 2024 13:12

Instrument :

MSVOA_X

ClientSampleId :

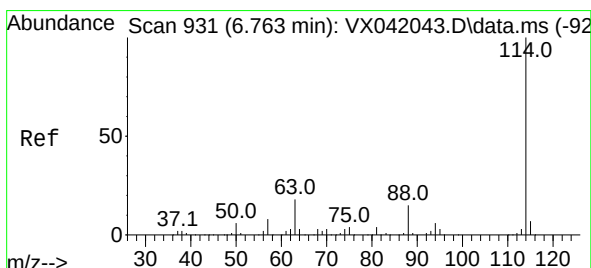
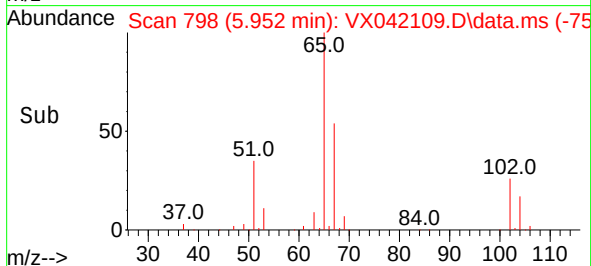
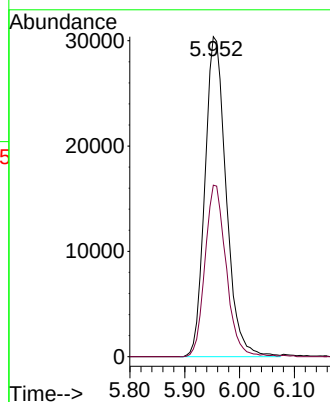
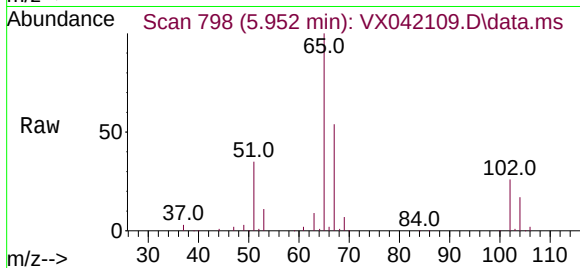
TB-20240626

Tgt Ion: 65 Resp: 81628

Ion Ratio Lower Upper

65 100

67 53.3 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: VX042109.D

Acq: 01 Jul 2024 13:12

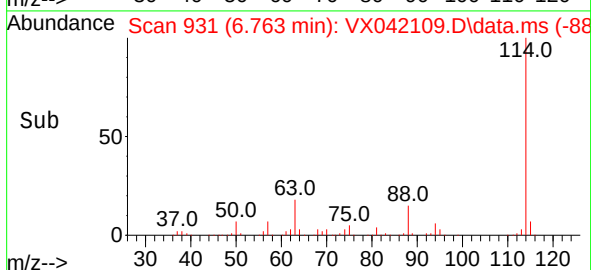
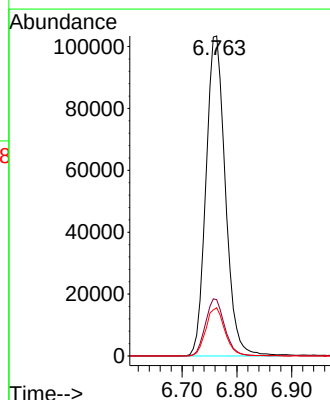
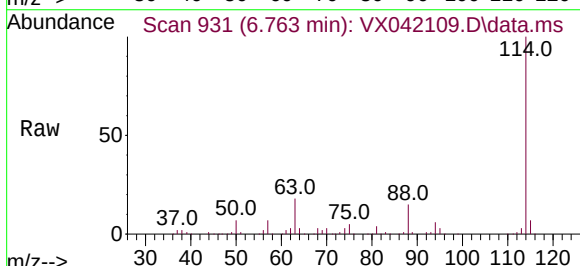
Tgt Ion: 114 Resp: 253481

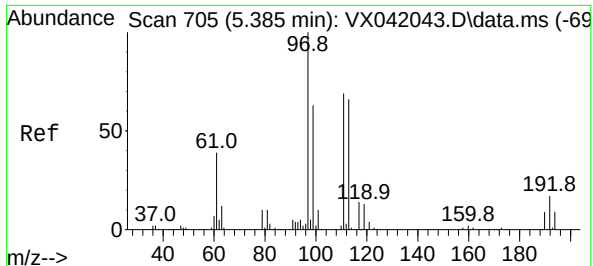
Ion Ratio Lower Upper

114 100

63 17.6 0.0 45.0

88 15.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.202 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX042109.D

Acq: 01 Jul 2024 13:12

Instrument :

MSVOA_X

ClientSampleId :

TB-20240626

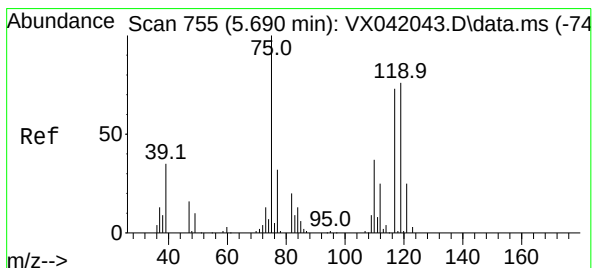
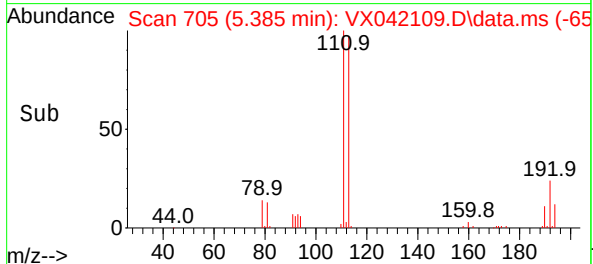
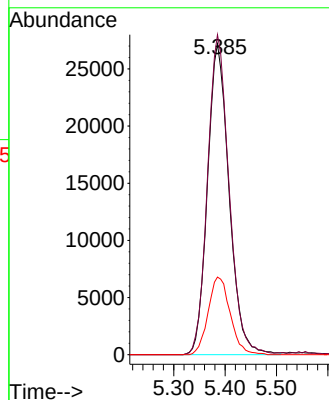
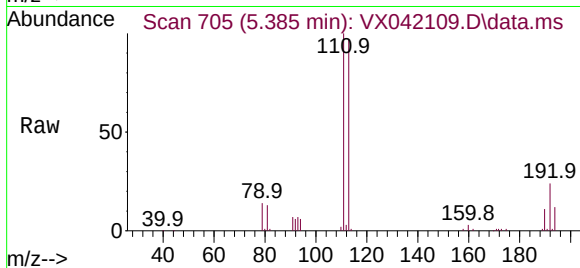
Tgt Ion:113 Resp: 79500

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

192 25.5 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 4.989 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX042109.D

Acq: 01 Jul 2024 13:12

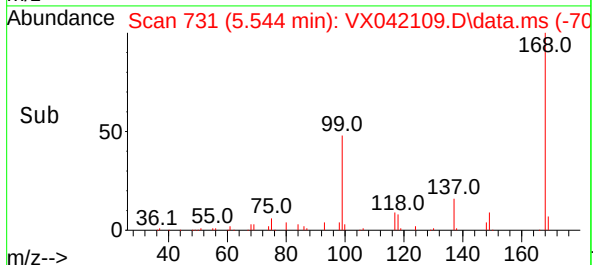
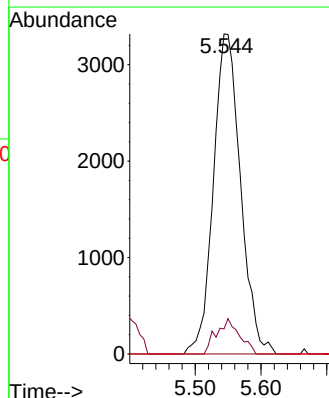
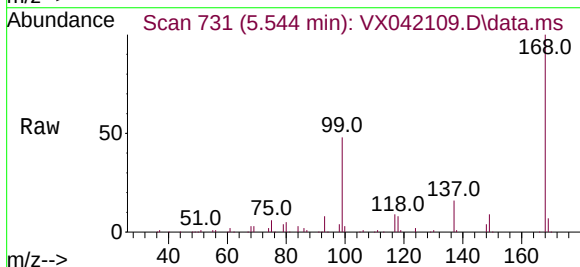
Tgt Ion: 75 Resp: 9528

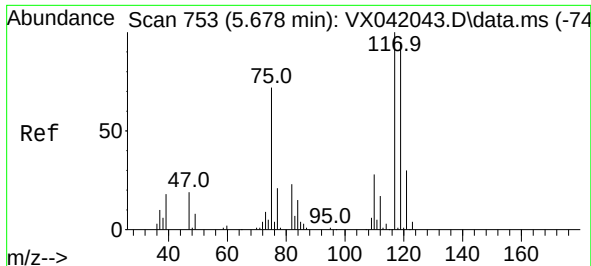
Ion Ratio Lower Upper

75 100

110 9.3 17.0 50.9#

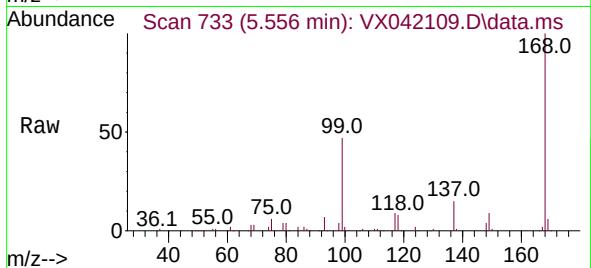
77 0.0 24.7 37.1#



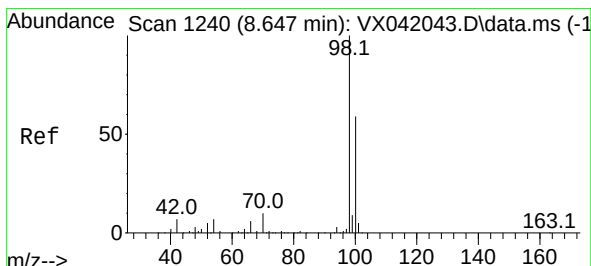
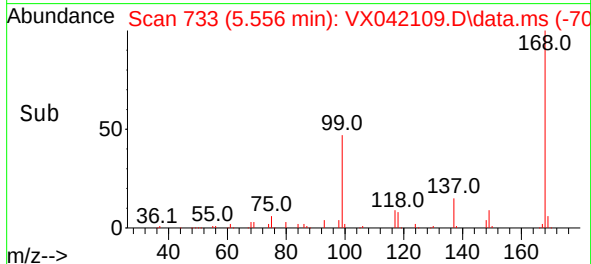
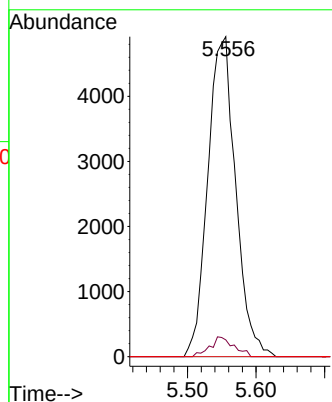


#38
Carbon Tetrachloride
Concen: 6.584 ug/l
RT: 5.556 min Scan# 753
Delta R.T. -0.122 min
Lab File: VX042109.D
Acq: 01 Jul 2024 13:12

Instrument :
MSVOA_X
ClientSampleId :
TB-20240626

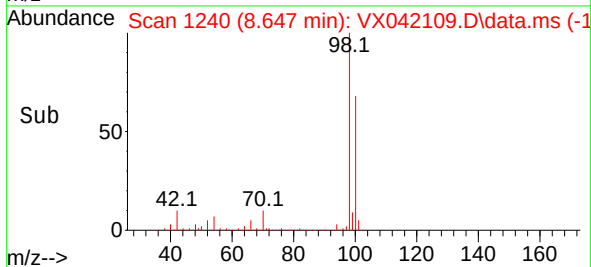
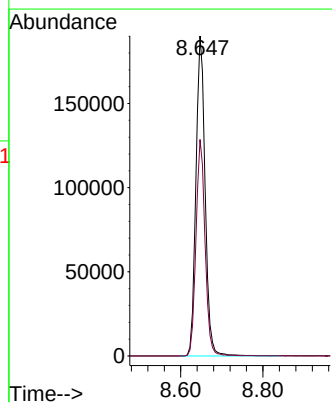
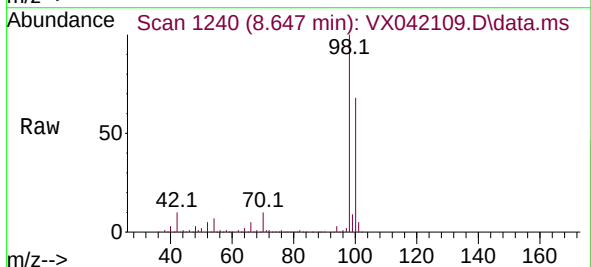


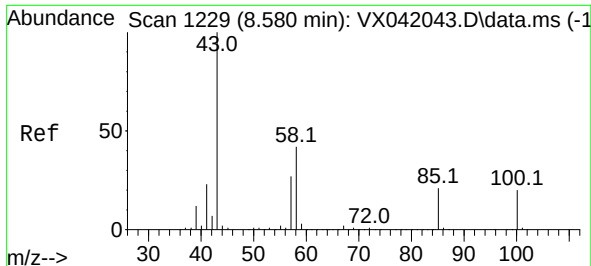
Tgt Ion:117 Resp: 13893
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 46.769 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042109.D
Acq: 01 Jul 2024 13:12

Tgt Ion: 98 Resp: 295509
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7

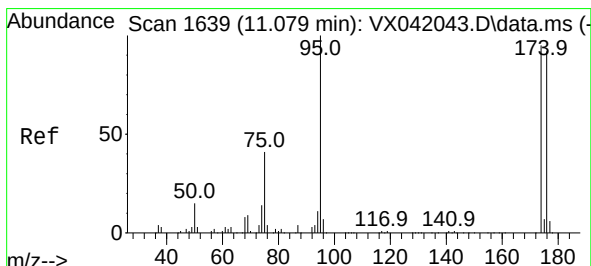
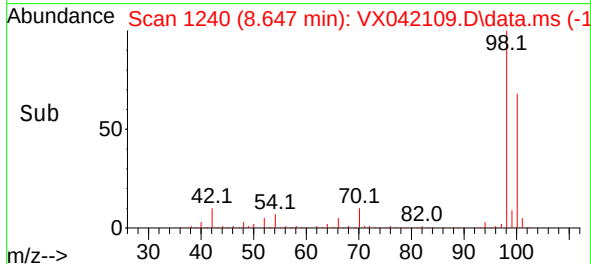
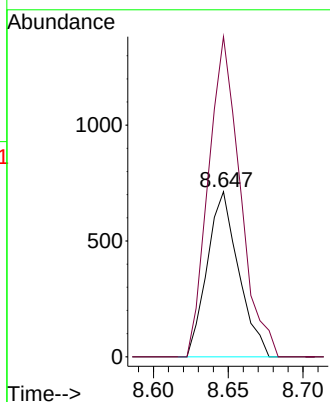
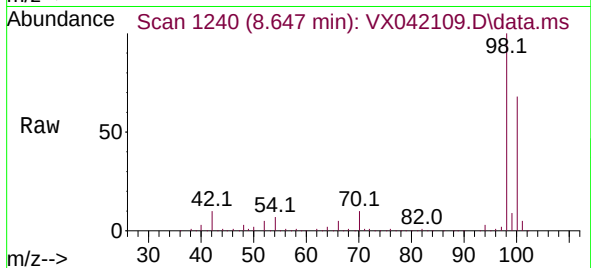




#51
4-Methyl-2-Pentanone
Concen: 0.395 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX042109.D
Acq: 01 Jul 2024 13:12

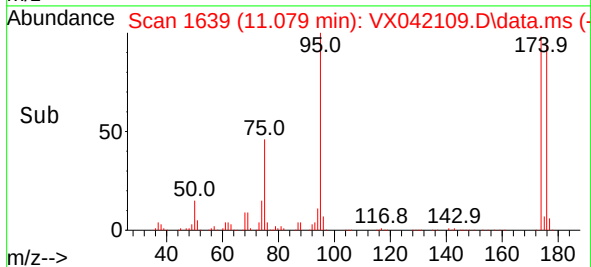
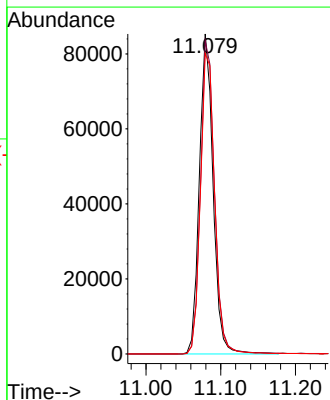
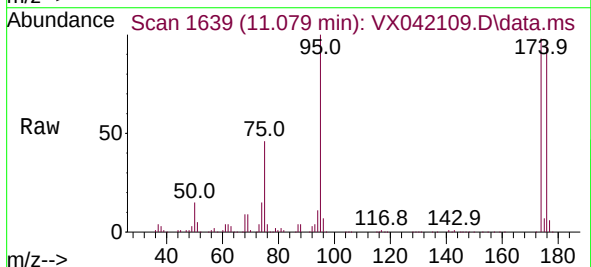
Instrument :
MSVOA_X
ClientSampleId :
TB-20240626

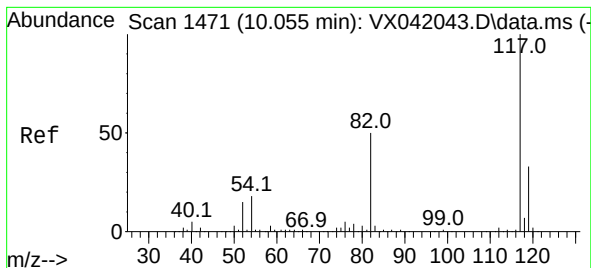
Tgt Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
58 196.0 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 46.680 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042109.D
Acq: 01 Jul 2024 13:12

Tgt Ion: 95 Resp: 108726
Ion Ratio Lower Upper
95 100
174 100.1 0.0 135.6
176 97.4 0.0 131.0

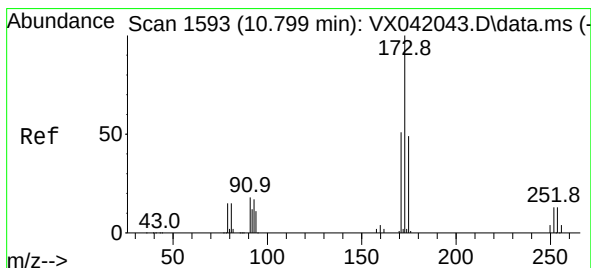
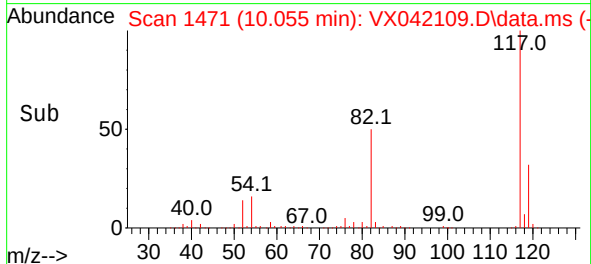
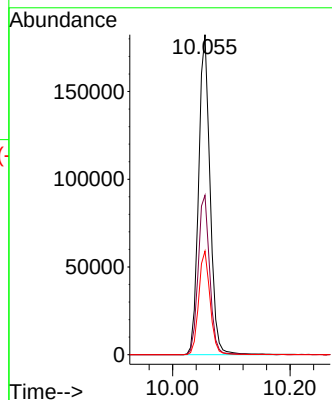
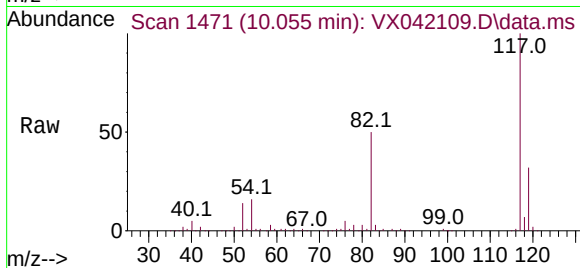




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042109.D
Acq: 01 Jul 2024 13:12

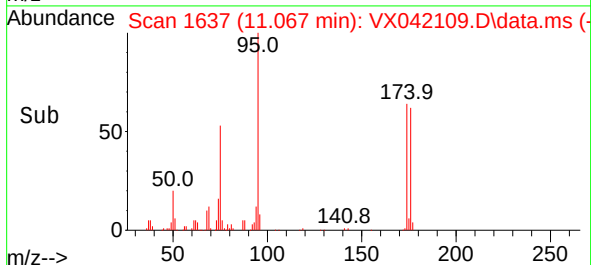
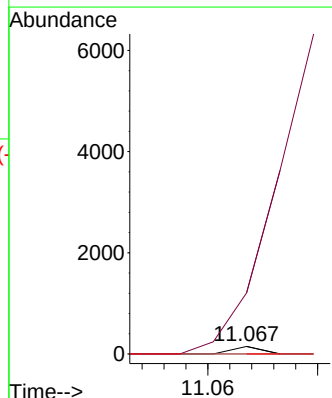
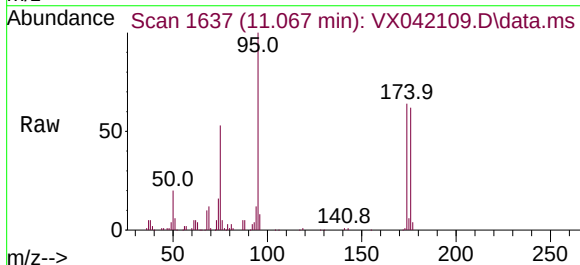
Instrument :
MSVOA_X
ClientSampleId :
TB-20240626

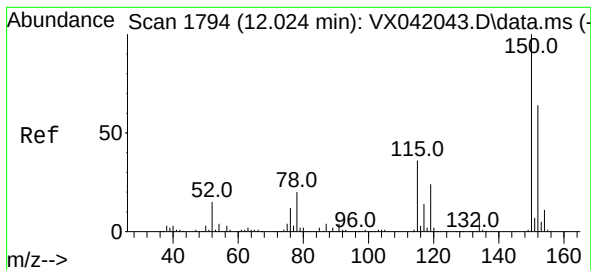
Tgt Ion:117 Resp: 246893
Ion Ratio Lower Upper
117 100
82 49.8 46.2 69.4
119 32.4 25.5 38.3



#71
Bromoform
Concen: 0.907 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.268 min
Lab File: VX042109.D
Acq: 01 Jul 2024 13:12

Tgt Ion:173 Resp: 54
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042109.D

Acq: 01 Jul 2024 13:12

Instrument :

MSVOA_X

ClientSampleId :

TB-20240626

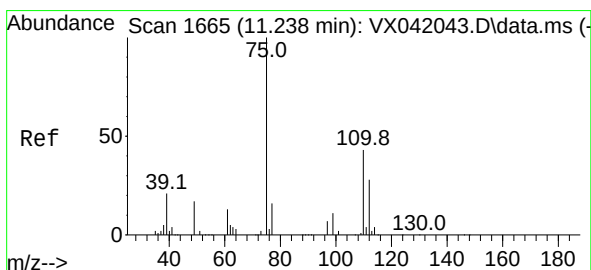
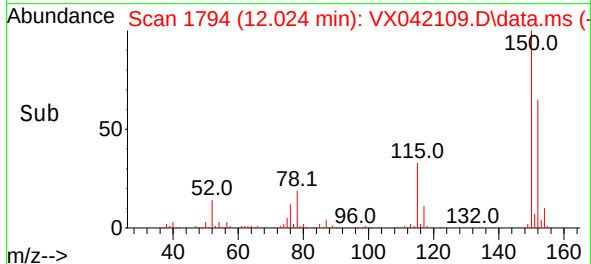
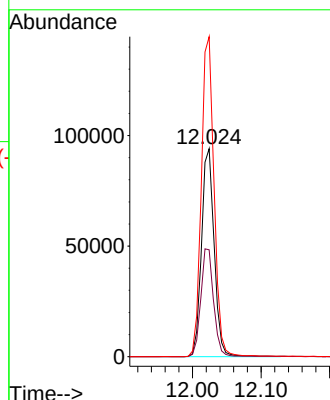
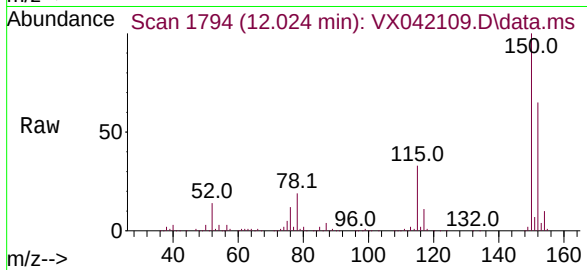
Tgt Ion:152 Resp: 121141

Ion Ratio Lower Upper

152 100

115 52.7 43.3 129.9

150 155.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.467 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042109.D

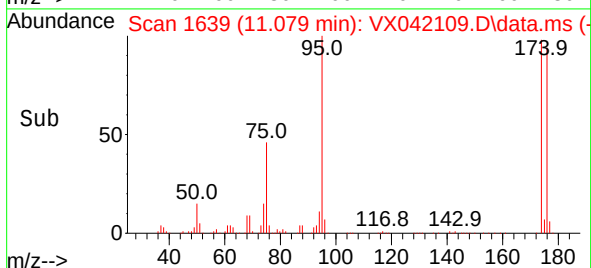
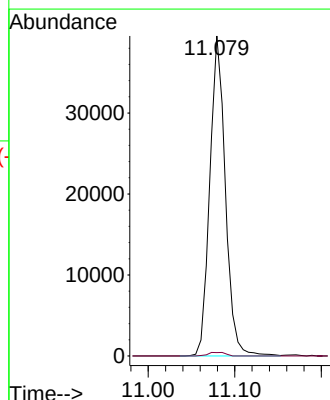
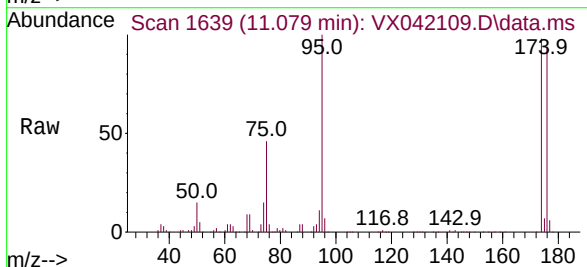
Acq: 01 Jul 2024 13:12

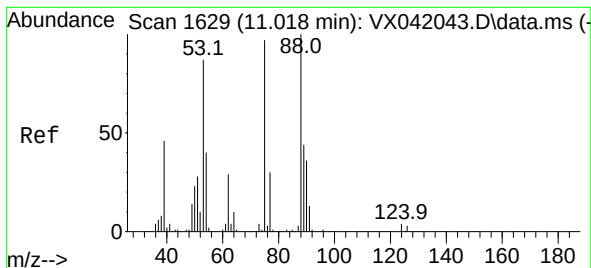
Tgt Ion: 75 Resp: 49410

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

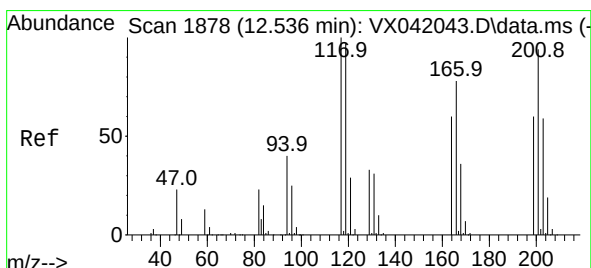
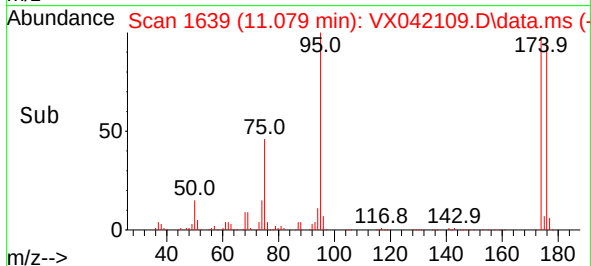
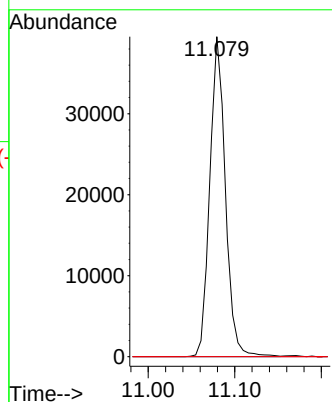
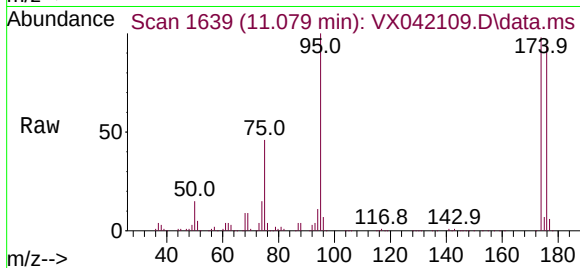




#81
trans-1,4-Dichloro-2-butene
Concen: 63.805 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042109.D
Acq: 01 Jul 2024 13:12

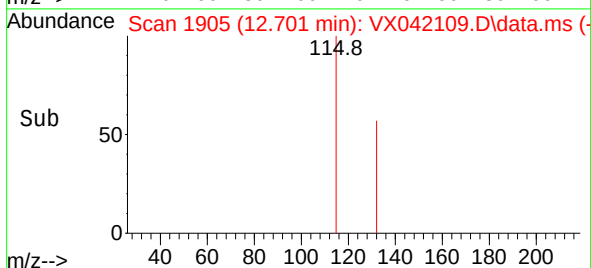
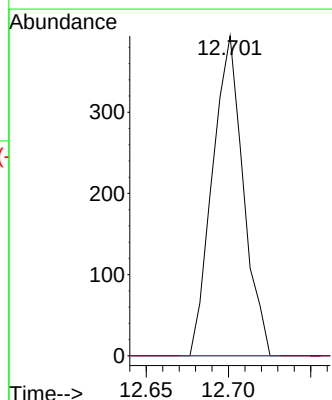
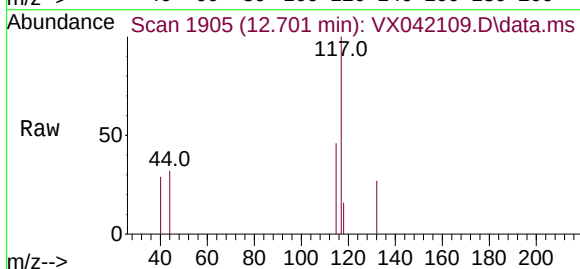
Instrument :
MSVOA_X
ClientSampleId :
TB-20240626

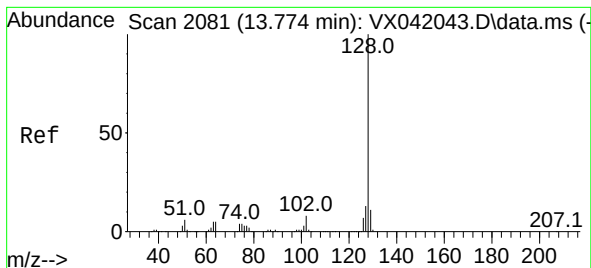
Tgt Ion: 75 Resp: 49410
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#90
Hexachloroethane
Concen: 0.454 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.165 min
Lab File: VX042109.D
Acq: 01 Jul 2024 13:12

Tgt Ion: 117 Resp: 514
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#





#95

Naphthalene

Concen: 2.790 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX042109.D

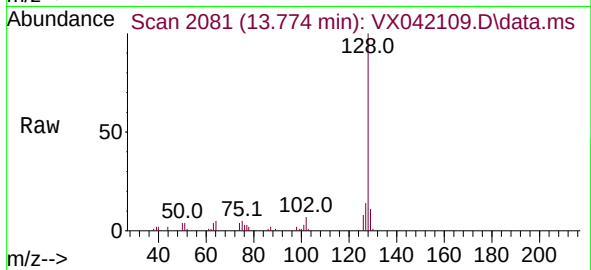
Acq: 01 Jul 2024 13:12

Instrument :

MSVOA_X

ClientSampleId :

TB-20240626



Tgt Ion:128 Resp: 18002

Ion Ratio Lower Upper

128 100

127 13.9 10.3 15.5

129 10.5 8.8 13.2

