

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046502.D
 Acq On : 04 Jun 2025 15:50
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jun 05 01:58:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

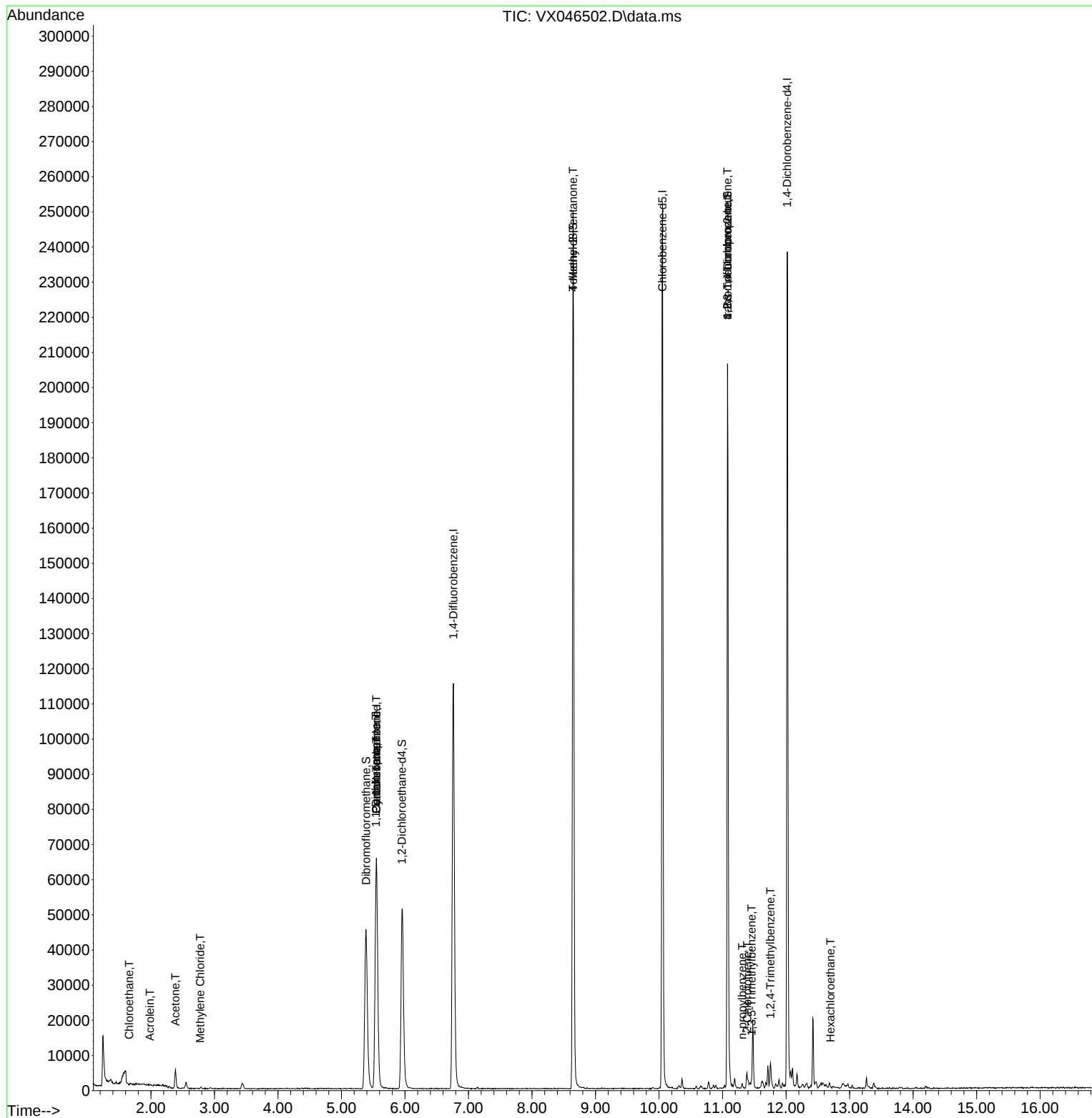
Internal Standards						
1) Pentafluorobenzene	5.550	168	55127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	112328	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	104684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	45023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	53658	52.209	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.420%			
35) Dibromofluoromethane	5.385	113	39561	48.908	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.820%			
50) Toluene-d8	8.647	98	139866	49.959	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.920%			
62) 4-Bromofluorobenzene	11.079	95	54703	50.939	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.880%			
Target Compounds					Qvalue	
6) Chloroethane	1.654	64	82	0.202	ug/l #	44
13) Acrolein	1.983	56	63	0.383	ug/l #	15
16) Acetone	2.386	43	5318	12.905	ug/l	95
20) Methylene Chloride	2.776	84	161	0.204	ug/l #	34
31) Cyclohexane	5.550	56	1561	1.274	ug/l #	28
36) 1,1-Dichloropropene	5.544	75	5440	5.005	ug/l #	51
38) Carbon Tetrachloride	5.550	117	6640	5.438	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	773	0.568	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	31512	29.077	ug/l #	36
78) n-propylbenzene	11.311	91	1290	0.317	ug/l	94
79) 2-Chlorotoluene	11.390	91	613	0.233	ug/l #	44
80) 1,3,5-Trimethylbenzene	11.457	105	1219	0.416	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	31512	94.667	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.756	105	3291	1.110	ug/l	94
90) Hexachloroethane	12.701	117	147	0.279	ug/l #	19

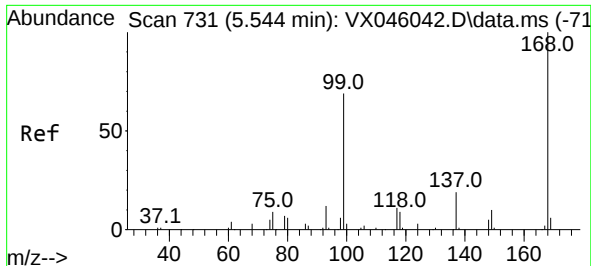
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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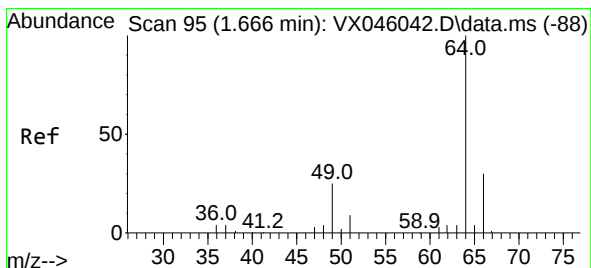
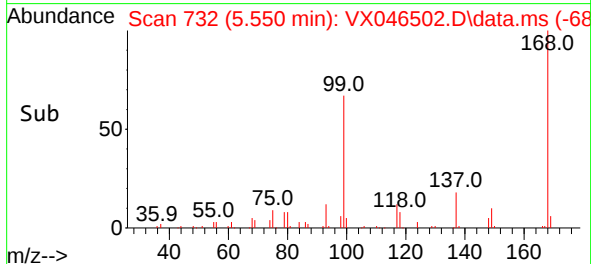
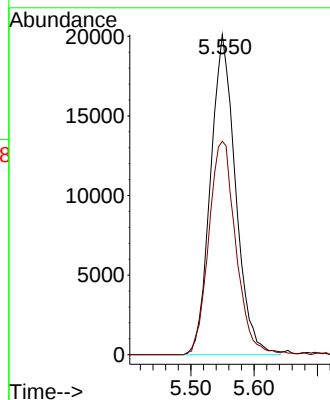
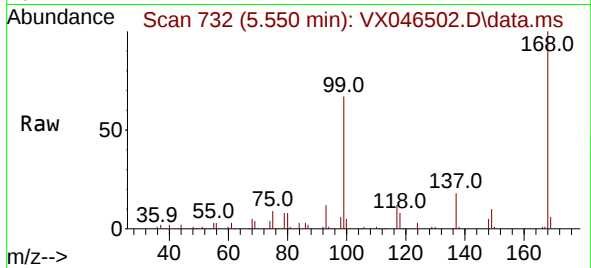




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046502.D
Acq: 04 Jun 2025 15:50

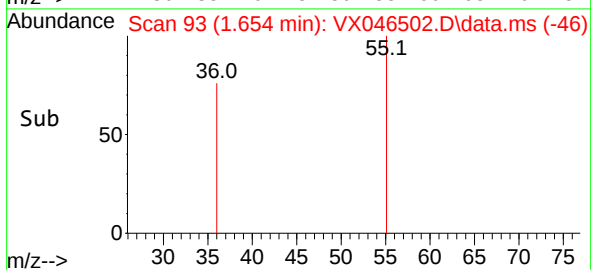
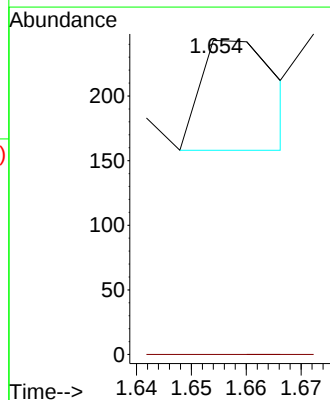
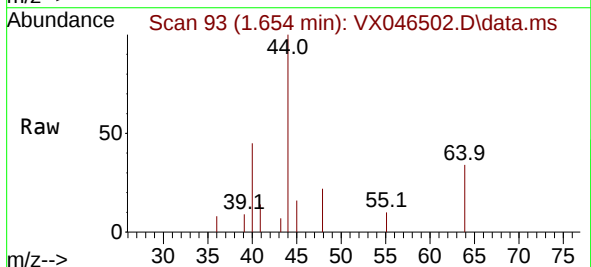
Instrument :
MSVOA_X
ClientSampleId :
IBLK

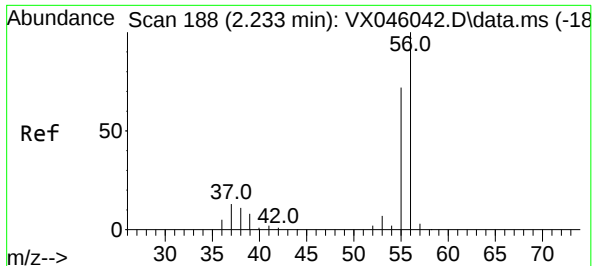
Tgt Ion:168 Resp: 55127
Ion Ratio Lower Upper
168 100
99 66.7 54.9 82.3



#6
Chloroethane
Concen: 0.202 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.012 min
Lab File: VX046502.D
Acq: 04 Jun 2025 15:50

Tgt Ion: 64 Resp: 82
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

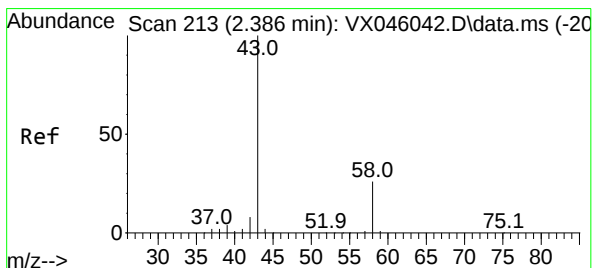
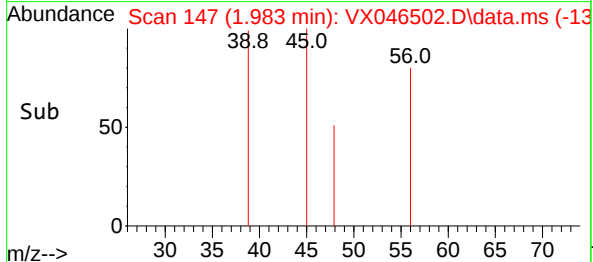
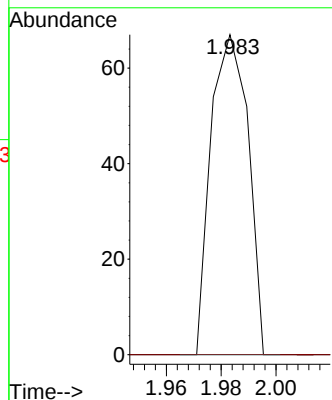
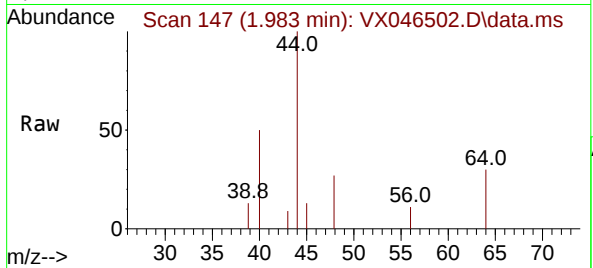




#13
Acrolein
Concen: 0.383 ug/l
RT: 1.983 min Scan# 14
Delta R.T. -0.250 min
Lab File: VX046502.D
Acq: 04 Jun 2025 15:50

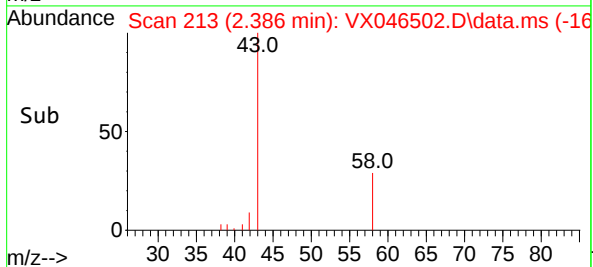
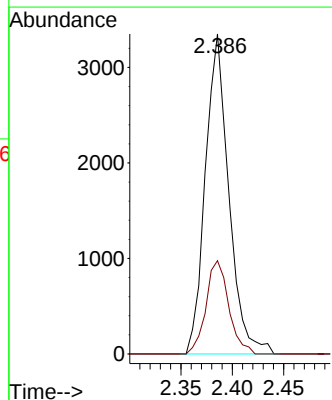
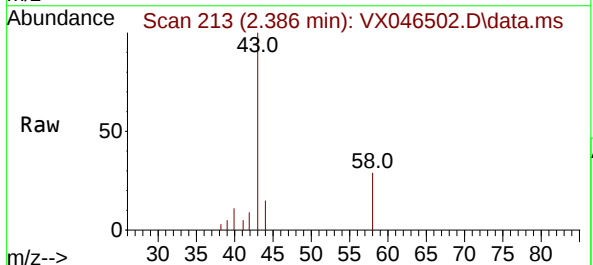
Instrument :
MSVOA_X
ClientSampleId :
IBLK

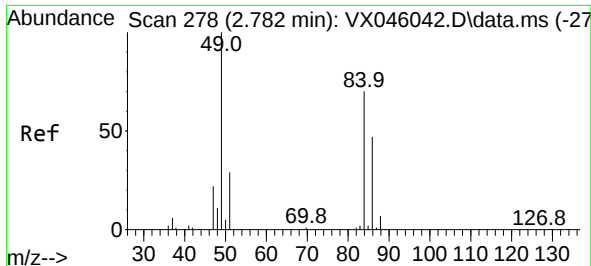
Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#16
Acetone
Concen: 12.905 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046502.D
Acq: 04 Jun 2025 15:50

Tgt Ion: 43 Resp: 5318
Ion Ratio Lower Upper
43 100
58 29.1 21.2 31.8





#20

Methylene Chloride

Concen: 0.204 ug/l

RT: 2.776 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX046502.D

Acq: 04 Jun 2025 15:50

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion: 84 Resp: 161

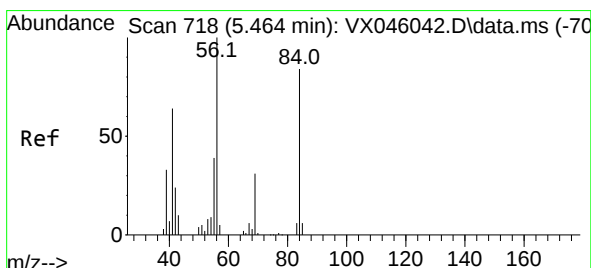
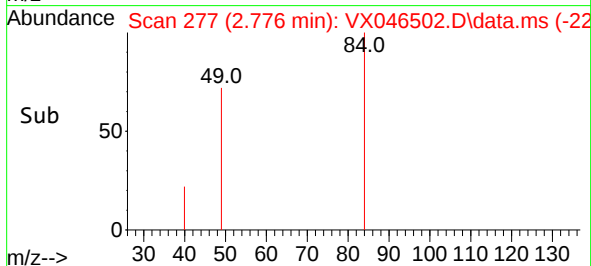
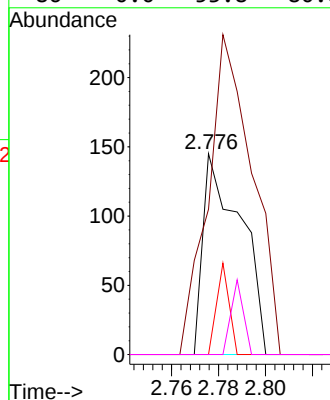
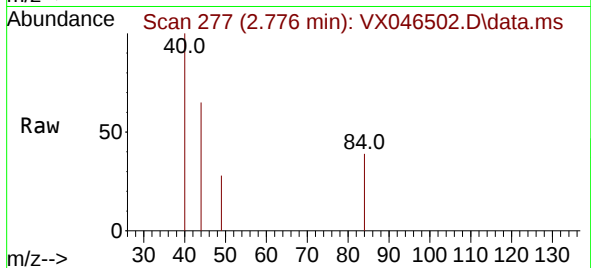
Ion Ratio Lower Upper

84 100

49 72.4 113.9 170.9#

51 0.0 33.5 50.3#

86 0.0 53.8 80.8#



#31

Cyclohexane

Concen: 1.274 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX046502.D

Acq: 04 Jun 2025 15:50

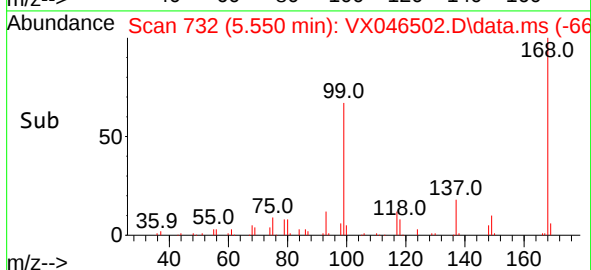
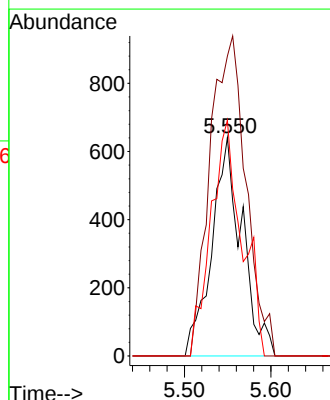
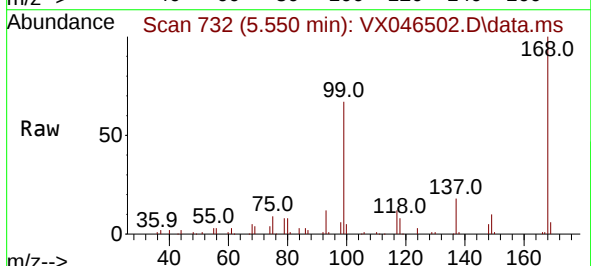
Tgt Ion: 56 Resp: 1561

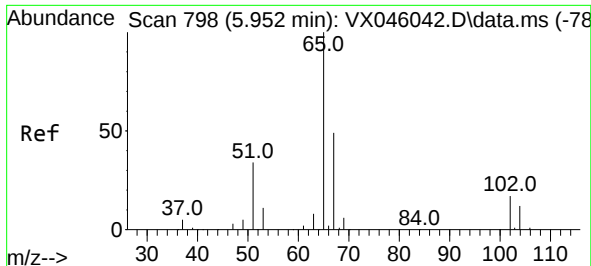
Ion Ratio Lower Upper

56 100

69 137.3 24.4 36.6#

84 108.0 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 52.209 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046502.D

Acq: 04 Jun 2025 15:50

Instrument :

MSVOA_X

ClientSampleId :

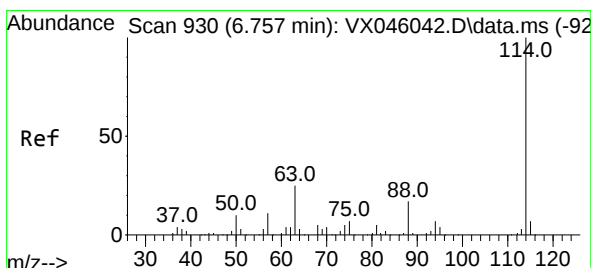
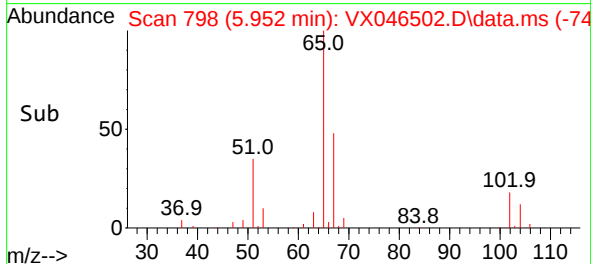
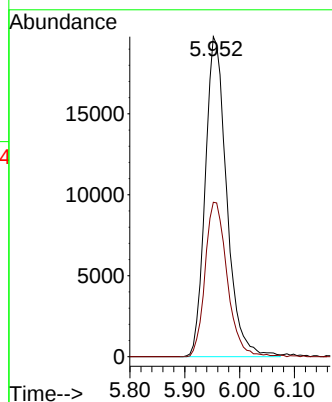
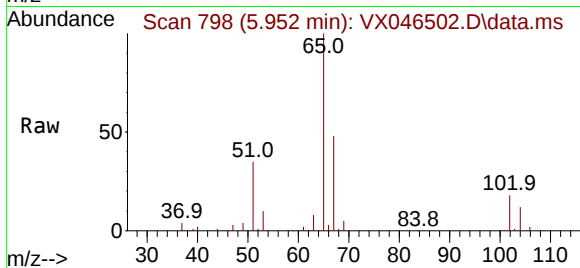
IBLK

Tgt Ion: 65 Resp: 53658

Ion Ratio Lower Upper

65 100

67 49.7 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX046502.D

Acq: 04 Jun 2025 15:50

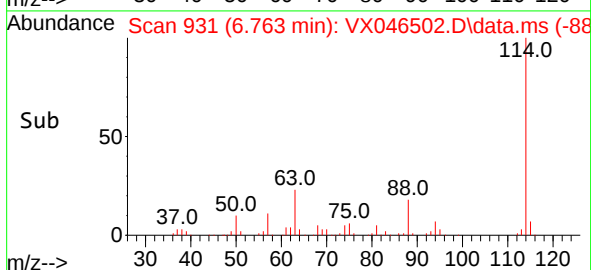
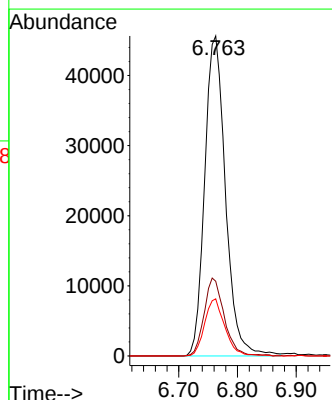
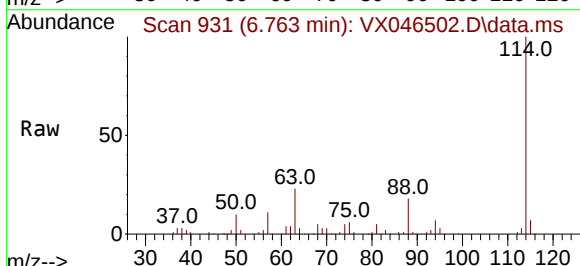
Tgt Ion: 114 Resp: 112328

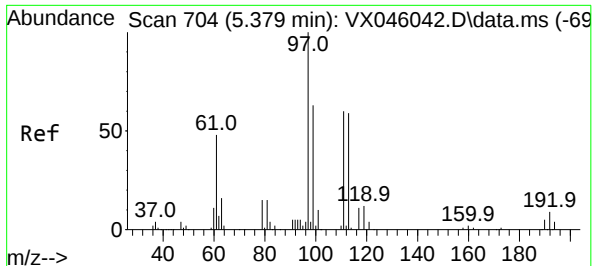
Ion Ratio Lower Upper

114 100

63 23.4 0.0 49.2

88 17.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 48.908 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX046502.D

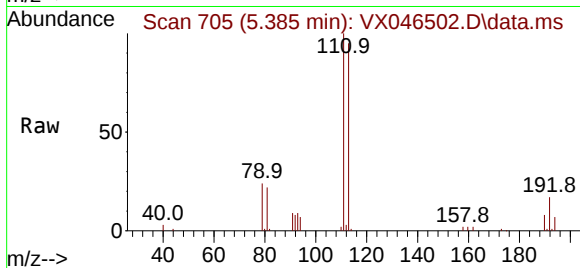
Acq: 04 Jun 2025 15:50

Instrument :

MSVOA_X

ClientSampleId :

IBLK



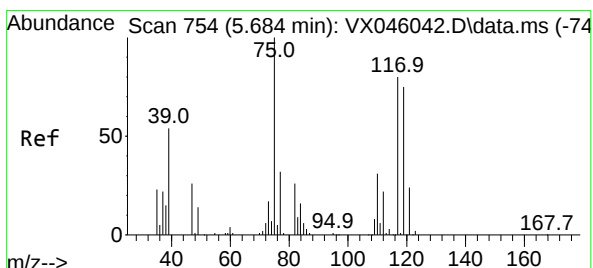
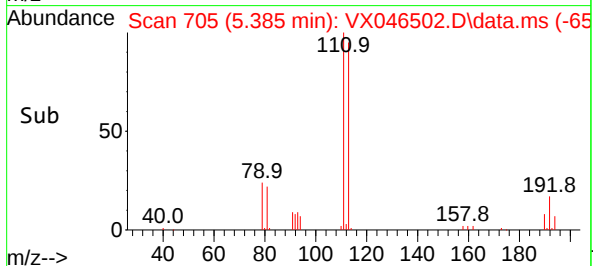
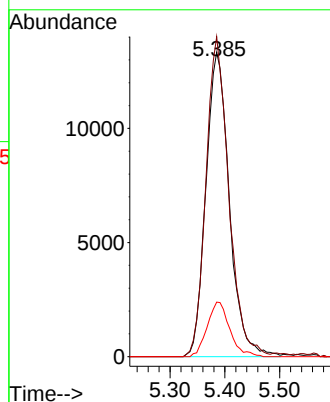
Tgt Ion:113 Resp: 39561

Ion Ratio Lower Upper

113 100

111 102.2 83.1 124.7

192 17.3 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.005 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX046502.D

Acq: 04 Jun 2025 15:50

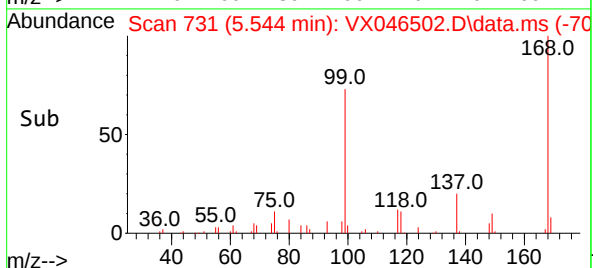
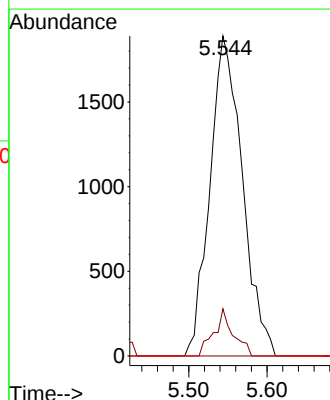
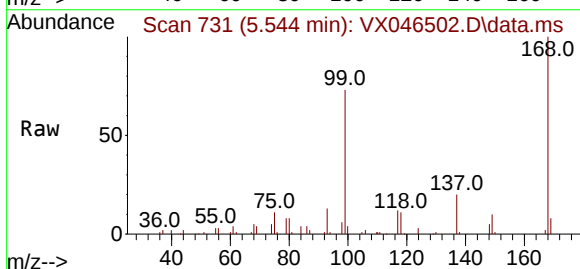
Tgt Ion: 75 Resp: 5440

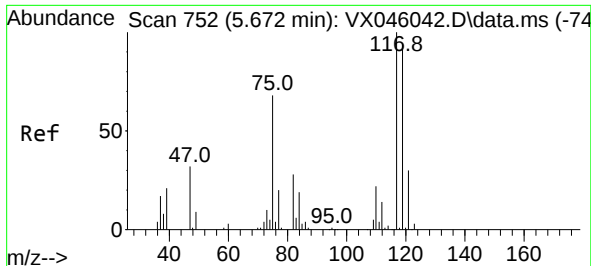
Ion Ratio Lower Upper

75 100

110 8.8 16.3 48.9#

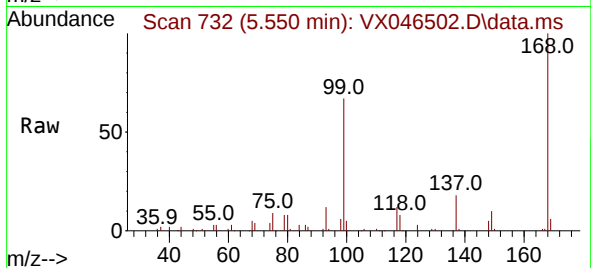
77 0.0 24.3 36.5#



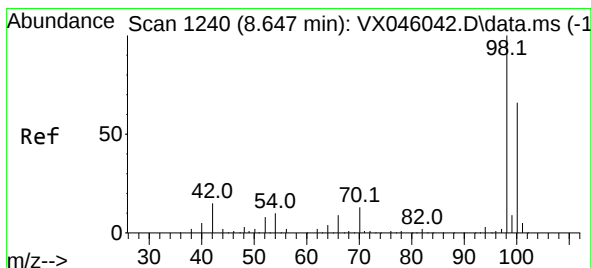
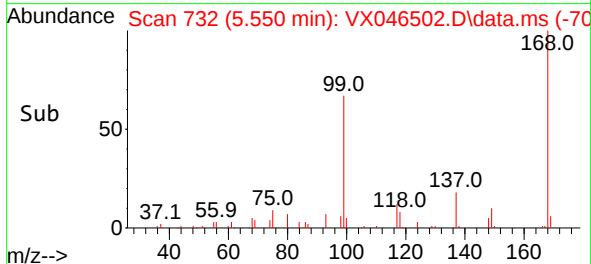
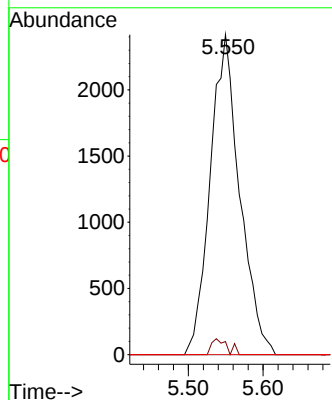


#38
Carbon Tetrachloride
Concen: 5.438 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046502.D
Acq: 04 Jun 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :
IBLK

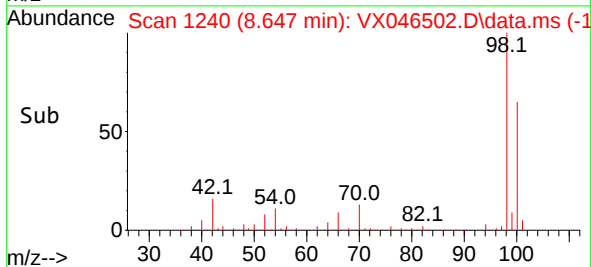
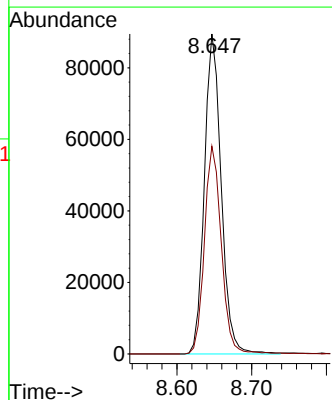
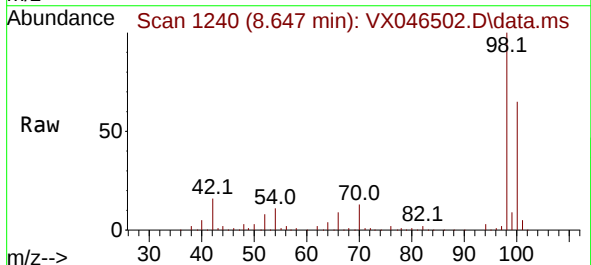


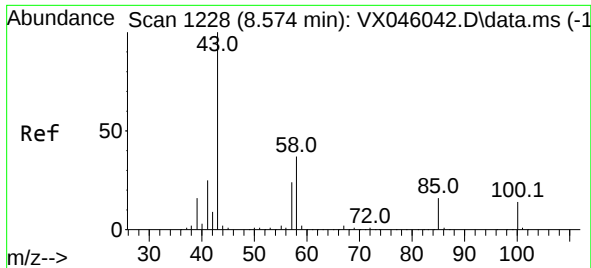
Tgt Ion:117 Resp: 6640
Ion Ratio Lower Upper
117 100
119 4.1 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.959 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046502.D
Acq: 04 Jun 2025 15:50

Tgt Ion: 98 Resp: 139866
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3

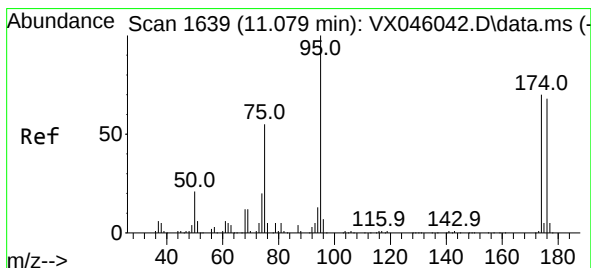
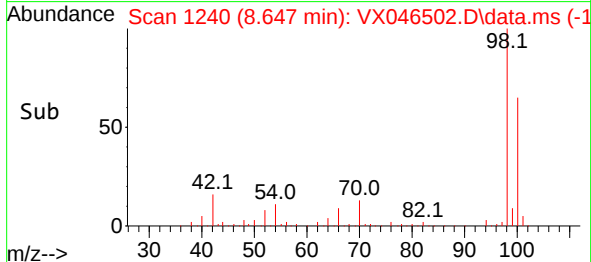
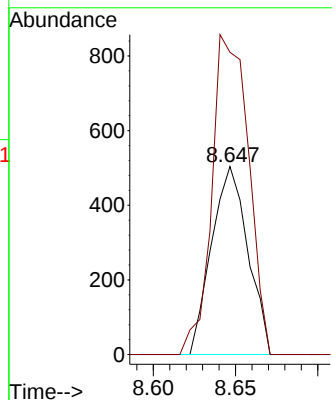
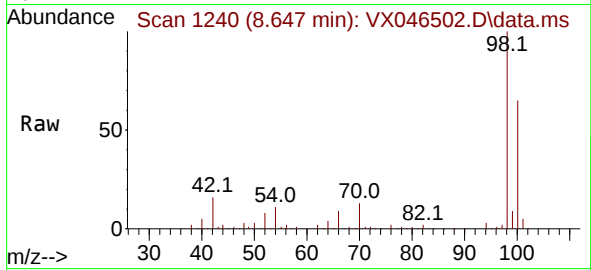




#51
4-Methyl-2-Pentanone
Concen: 0.568 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX046502.D
Acq: 04 Jun 2025 15:50

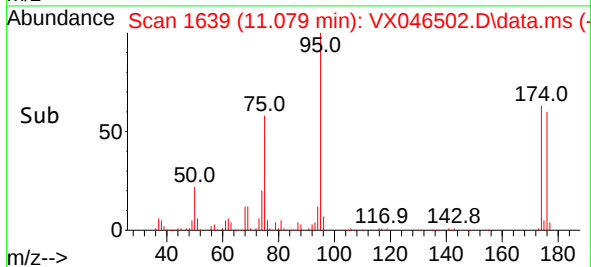
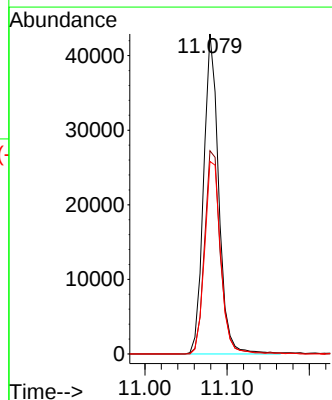
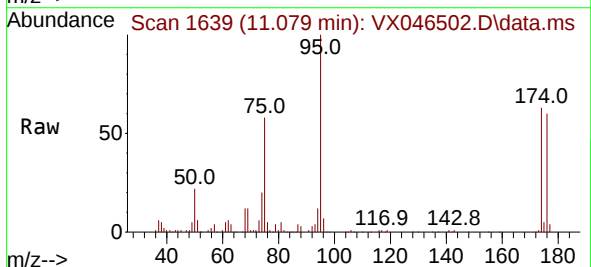
Instrument :
MSVOA_X
ClientSampleId :
IBLK

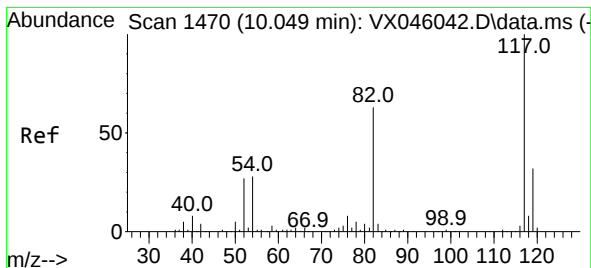
Tgt Ion: 43 Resp: 773
Ion Ratio Lower Upper
43 100
58 171.3 28.9 43.3#



#62
4-Bromofluorobenzene
Concen: 50.939 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046502.D
Acq: 04 Jun 2025 15:50

Tgt Ion: 95 Resp: 54703
Ion Ratio Lower Upper
95 100
174 67.2 0.0 135.8
176 64.3 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX046502.D

Acq: 04 Jun 2025 15:50

Instrument :

MSVOA_X

ClientSampleId :

IBLK

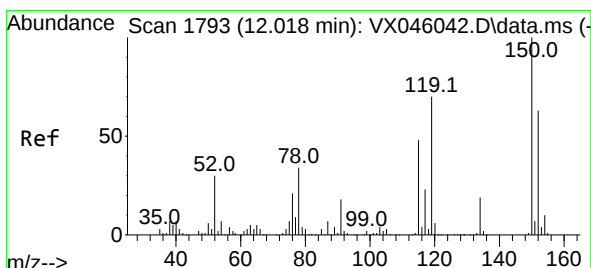
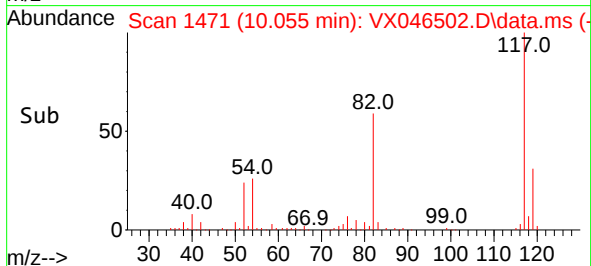
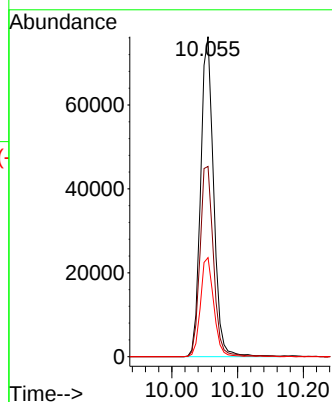
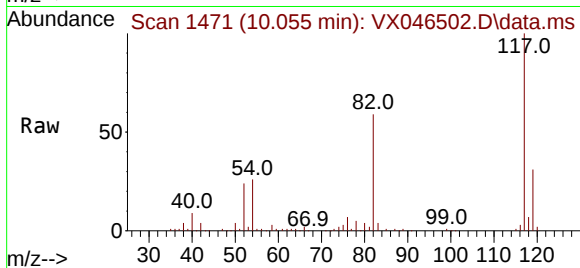
Tgt Ion:117 Resp: 104684

Ion Ratio Lower Upper

117 100

82 59.4 50.6 76.0

119 31.0 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046502.D

Acq: 04 Jun 2025 15:50

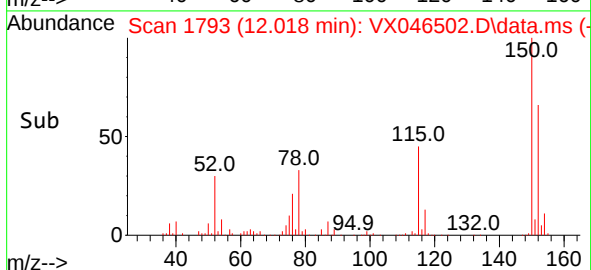
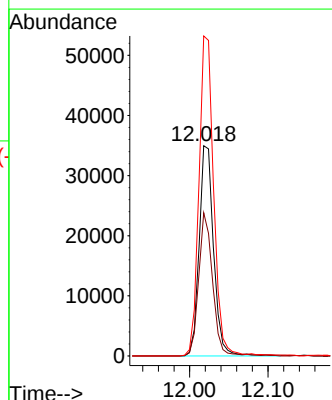
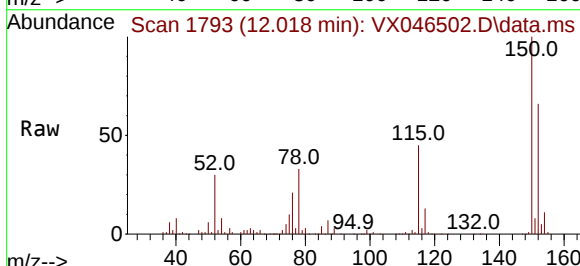
Tgt Ion:152 Resp: 45023

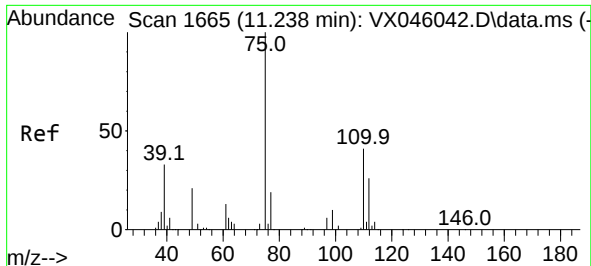
Ion Ratio Lower Upper

152 100

115 65.5 46.9 140.7

150 155.5 0.0 351.0

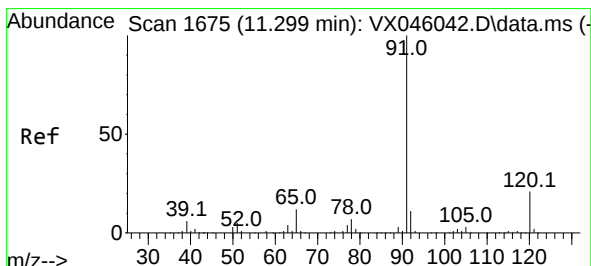
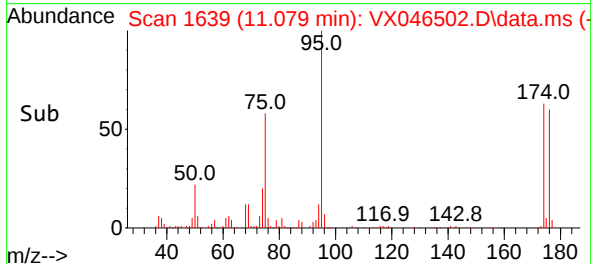
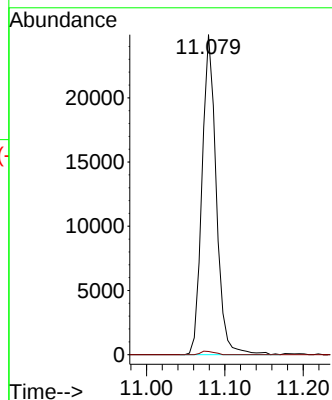
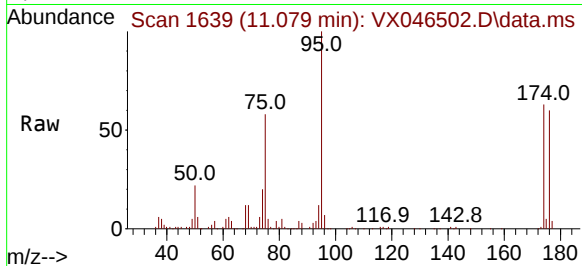




#76
1,2,3-Trichloropropane
Concen: 29.077 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046502.D
Acq: 04 Jun 2025 15:50

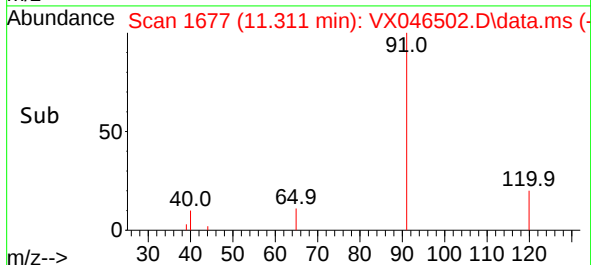
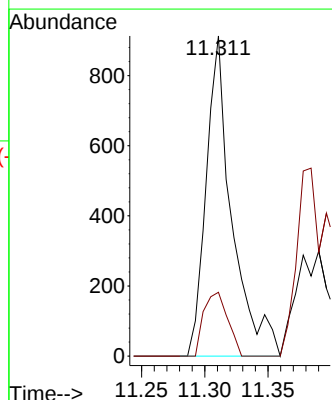
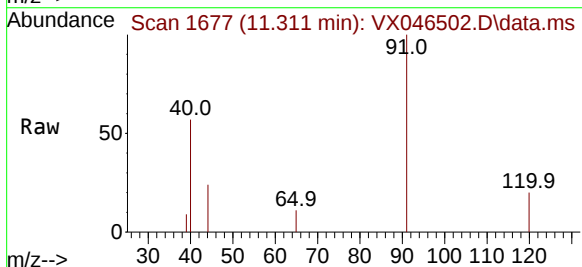
Instrument :
MSVOA_X
ClientSampleId :
IBLK

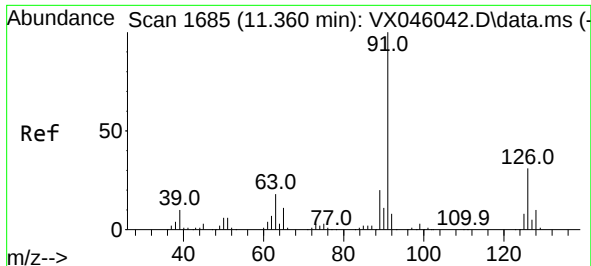
Tgt Ion: 75 Resp: 31512
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#78
n-propylbenzene
Concen: 0.317 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.012 min
Lab File: VX046502.D
Acq: 04 Jun 2025 15:50

Tgt Ion: 91 Resp: 1290
Ion Ratio Lower Upper
91 100
120 18.6 10.8 32.4

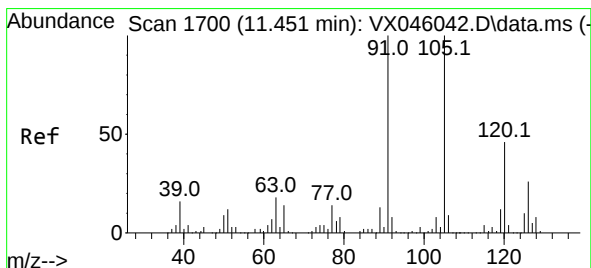
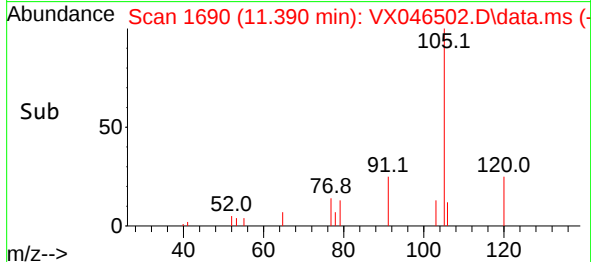
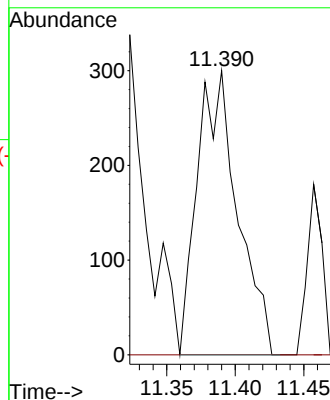
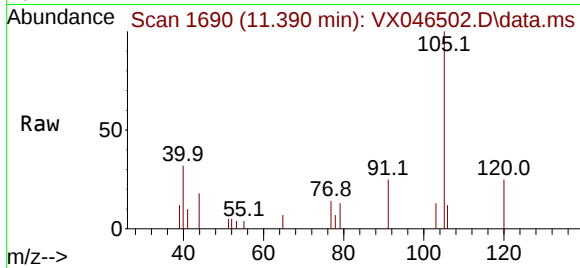




#79
2-Chlorotoluene
Concen: 0.233 ug/l
RT: 11.390 min Scan# 1
Delta R.T. 0.030 min
Lab File: VX046502.D
Acq: 04 Jun 2025 15:50

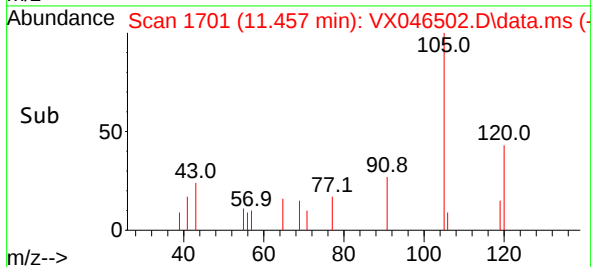
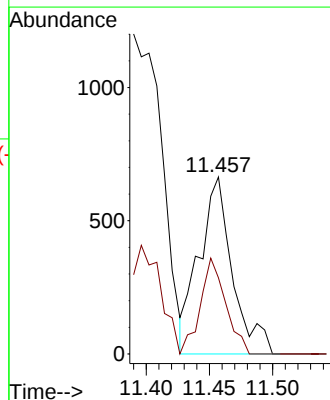
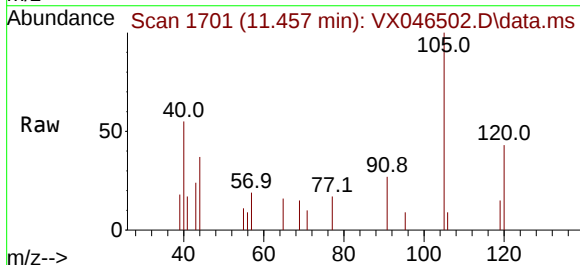
Instrument :
MSVOA_X
ClientSampleId :
IBLK

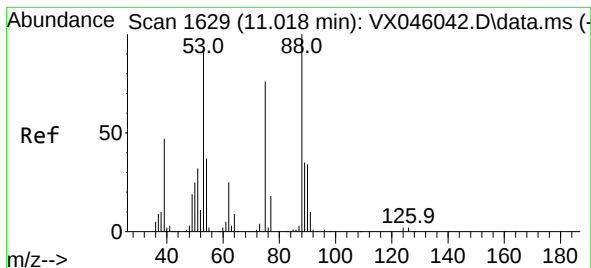
Tgt Ion: 91 Resp: 613
Ion Ratio Lower Upper
91 100
126 0.0 15.6 46.7#



#80
1,3,5-Trimethylbenzene
Concen: 0.416 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046502.D
Acq: 04 Jun 2025 15:50

Tgt Ion: 105 Resp: 1219
Ion Ratio Lower Upper
105 100
120 41.2 23.1 69.2

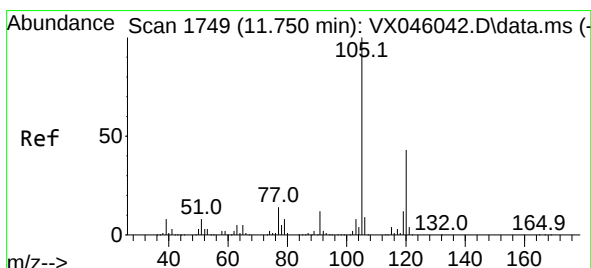
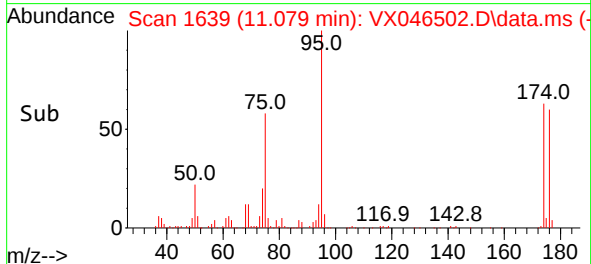
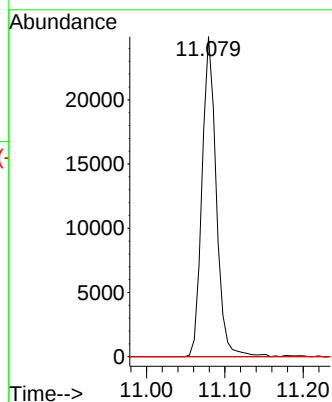
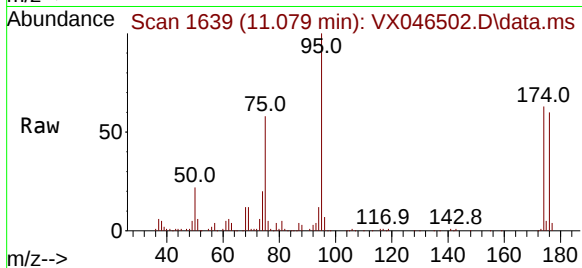




#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.667 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX046502.D
 Acq: 04 Jun 2025 15:50

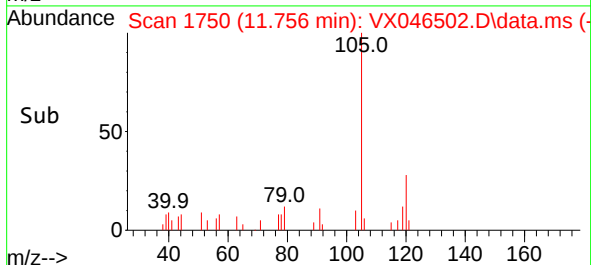
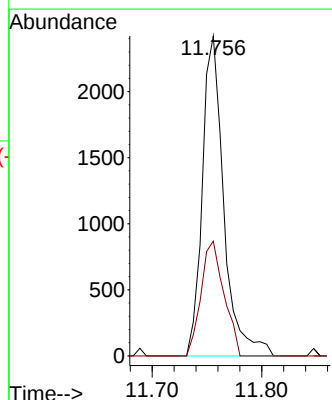
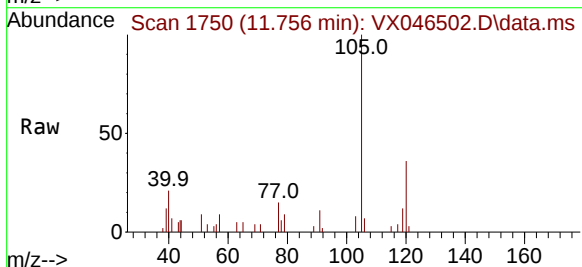
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

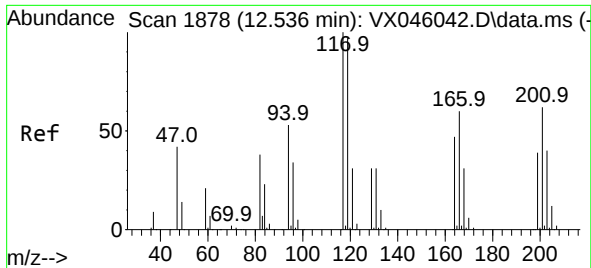
Tgt Ion: 75 Resp: 31512
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.110 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX046502.D
 Acq: 04 Jun 2025 15:50

Tgt Ion: 105 Resp: 3291
 Ion Ratio Lower Upper
 105 100
 120 38.3 21.2 63.6





#90

Hexachloroethane

Concen: 0.279 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.164 min

Lab File: VX046502.D

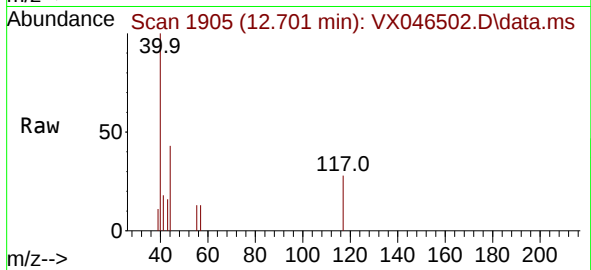
Acq: 04 Jun 2025 15:50

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:117 Resp: 147

Ion Ratio Lower Upper

117 100

201 0.0 31.6 94.7#

