

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
 Data File : VX046637.D
 Acq On : 11 Jun 2025 15:14
 Operator : JC/MD
 Sample : VX0611WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611WBL02

Quant Time: Jun 12 02:29:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

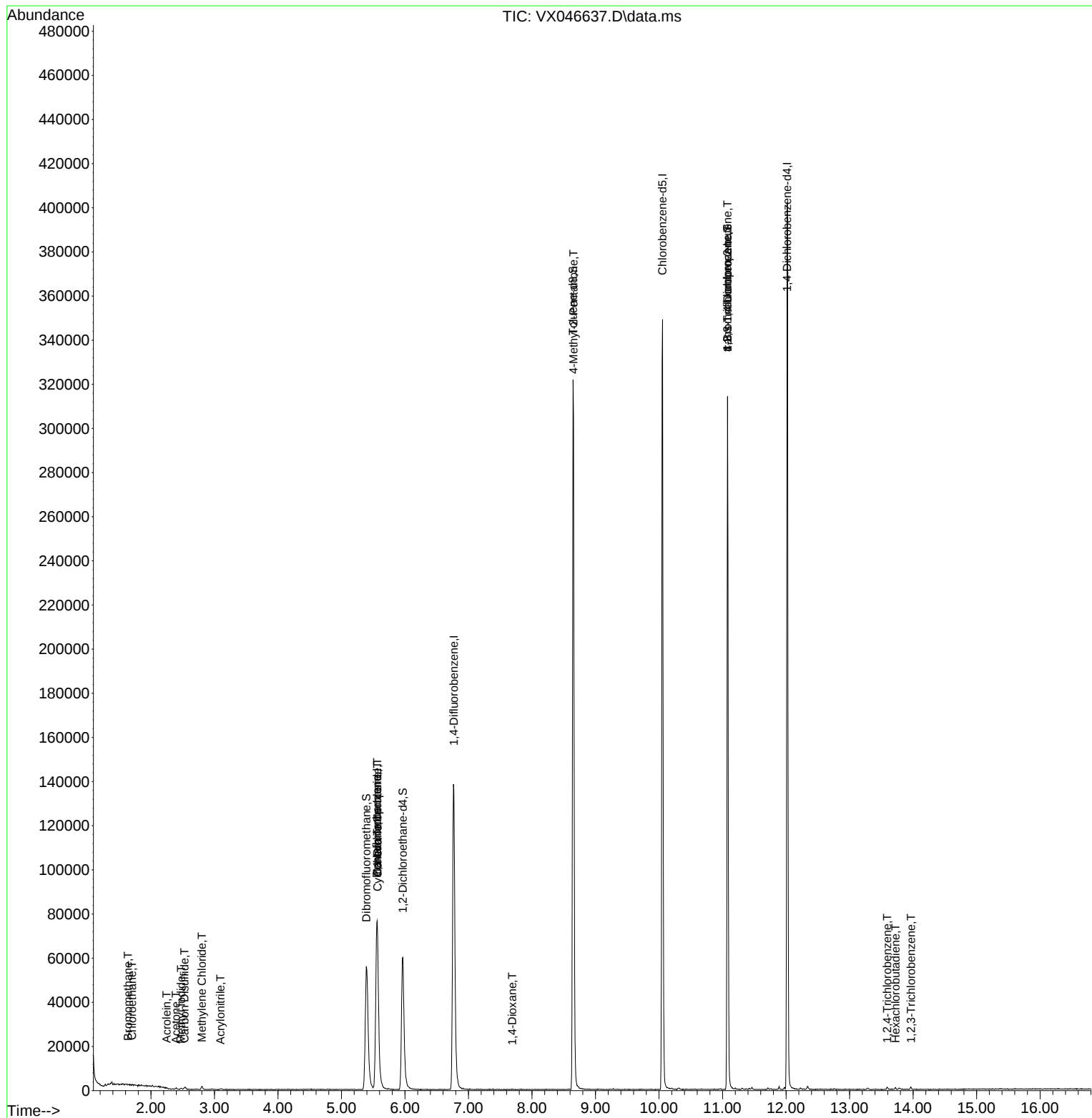
Internal Standards						
1) Pentafluorobenzene	5.556	168	73470	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.769	114	147517	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	64944	49.685	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.380%
35) Dibromofluoromethane	5.391	113	54640	50.367	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.740%
50) Toluene-d8	8.647	98	194299	54.326	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.660%
62) 4-Bromofluorobenzene	11.079	95	81807	55.283	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.560%
Target Compounds						Qvalue
5) Bromomethane	1.636	94	114	0.203	ug/l #	4
6) Chloroethane	1.703	64	324	0.540	ug/l #	44
10) Methyl Iodide	2.477	142	513	0.491	ug/l #	77
13) Acrolein	2.246	56	202	31.019	ug/l #	82
15) Acrylonitrile	3.093	53	181	0.330	ug/l #	47
16) Acetone	2.392	43	808	6.140	ug/l #	87
17) Carbon Disulfide	2.526	76	1078	0.782	ug/l #	76
20) Methylene Chloride	2.800	84	607	0.579	ug/l #	84
31) Cyclohexane	5.568	56	1891	1.244	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	6587	4.251	ug/l #	51
38) Carbon Tetrachloride	5.562	117	8399	4.839	ug/l #	17
49) 1,4-Dioxane	7.690	88	110	6.064	ug/l #	35
51) 4-Methyl-2-Pentanone	8.653	43	1049	0.626	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	44065	27.001	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	44065	77.889	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	511	0.284	ug/l	78
94) Hexachlorobutadiene	13.725	225	192	0.230	ug/l	86
96) 1,2,3-Trichlorobenzene	13.969	180	405	0.225	ug/l	93

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

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Instrument :
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ClientSampleId :
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Quant Time: Jun 12 02:29:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

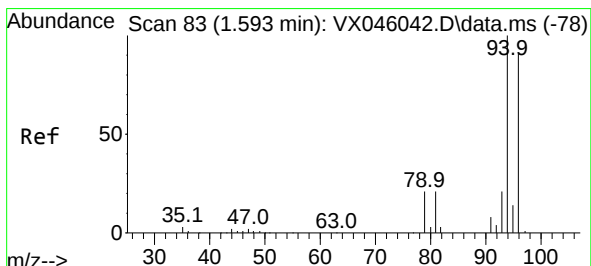
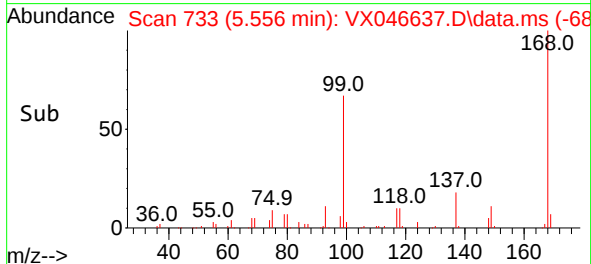
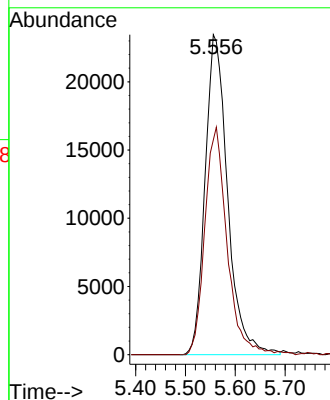
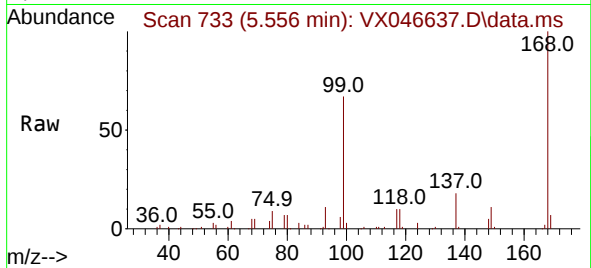




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

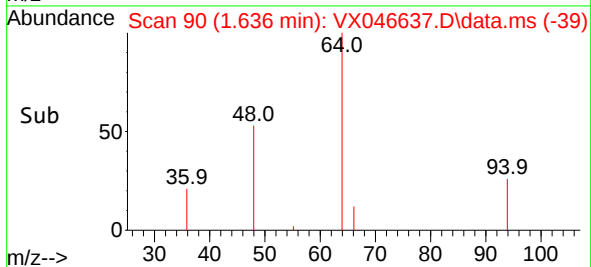
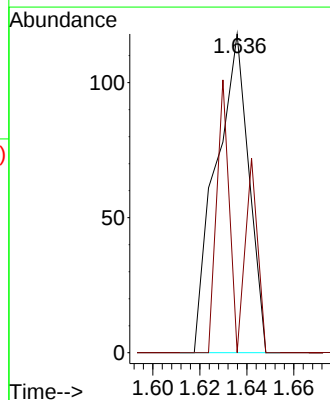
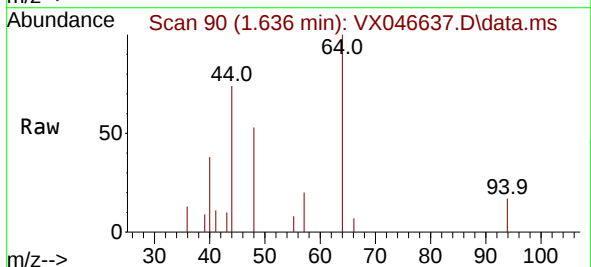
Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL02

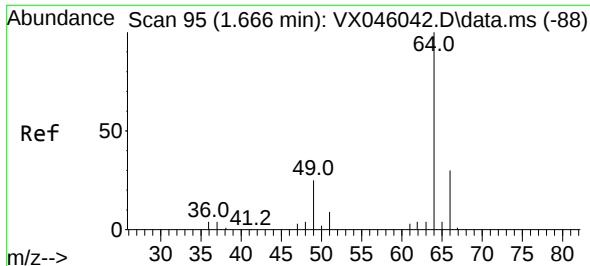
Tgt Ion:168 Resp: 73470
Ion Ratio Lower Upper
168 100
99 67.1 54.9 82.3



#5
Bromomethane
Concen: 0.203 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

Tgt Ion: 94 Resp: 114
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#

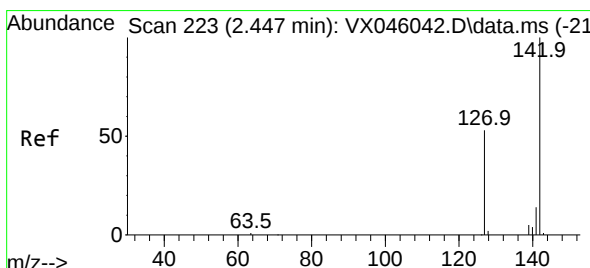
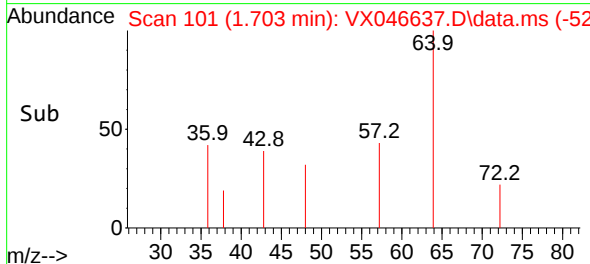
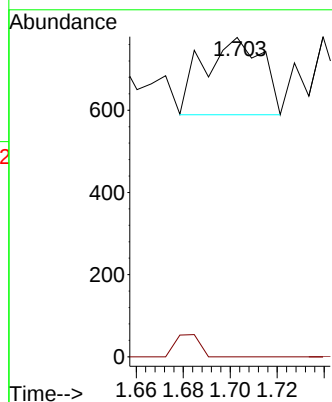
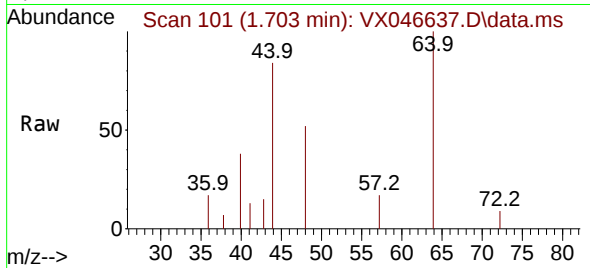




#6
Chloroethane
Concen: 0.540 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

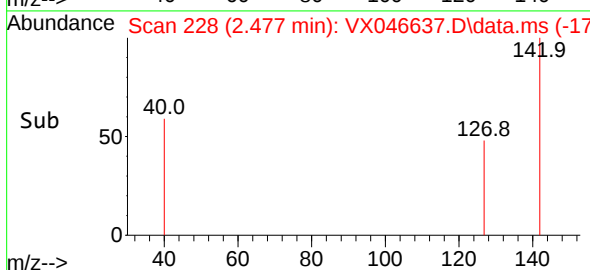
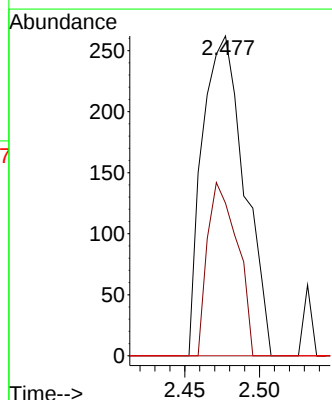
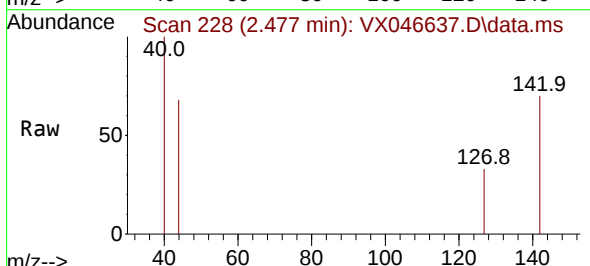
Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL02

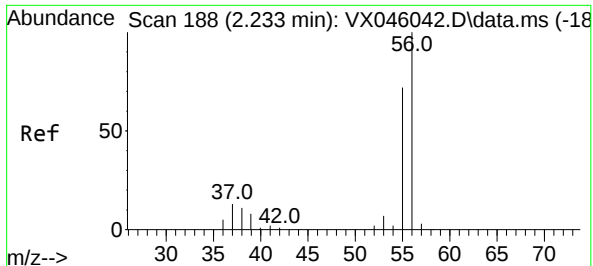
Tgt Ion: 64 Resp: 324
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#10
Methyl Iodide
Concen: 0.491 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

Tgt Ion: 142 Resp: 513
Ion Ratio Lower Upper
142 100
127 38.4 41.7 62.5#
141 0.0 11.5 17.3#

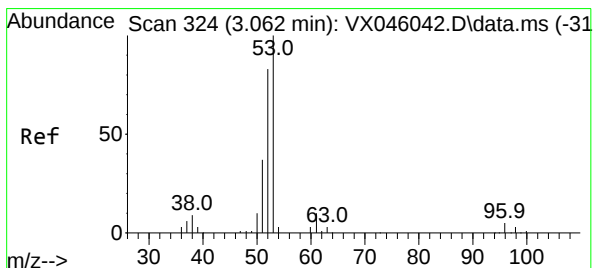
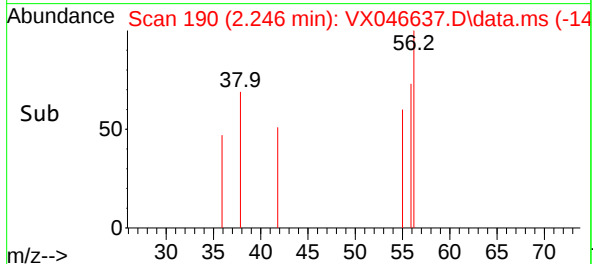
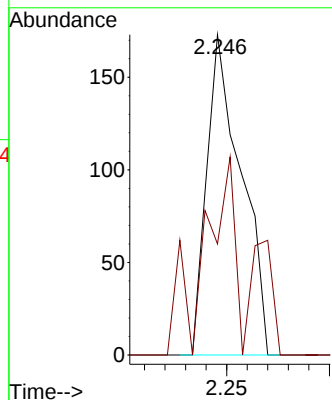
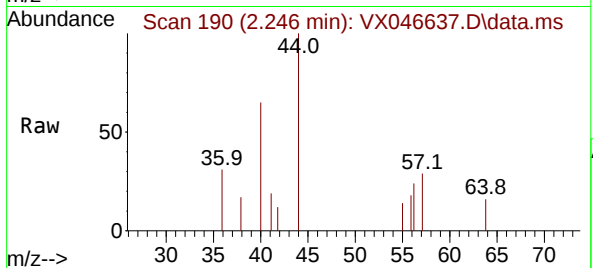




#13
Acrolein
Concen: 31.019 ug/l
RT: 2.246 min Scan# 190
Delta R.T. -0.005 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

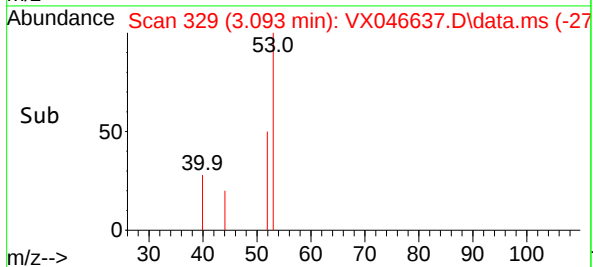
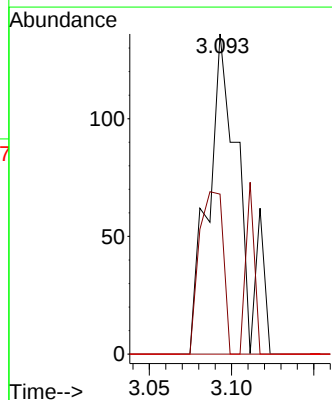
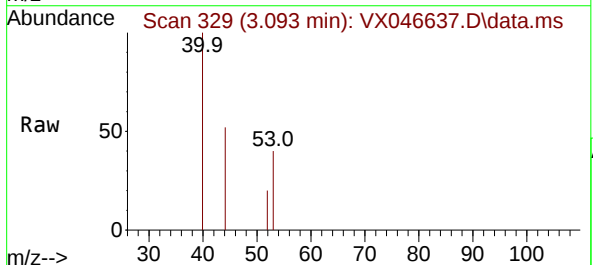
Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL02

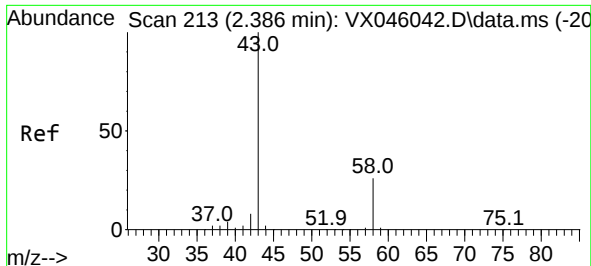
Tgt Ion: 56 Resp: 202
Ion Ratio Lower Upper
56 100
55 55.4 56.2 84.4#



#15
Acrylonitrile
Concen: 0.330 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.012 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

Tgt Ion: 53 Resp: 181
Ion Ratio Lower Upper
53 100
52 38.7 65.3 97.9#
51 0.0 29.8 44.8#

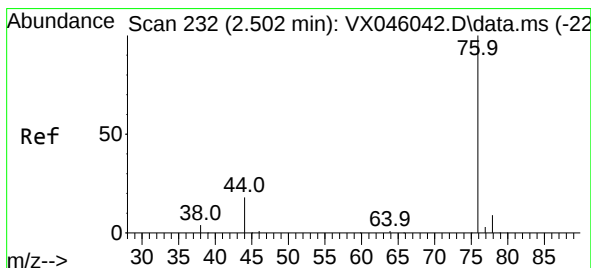
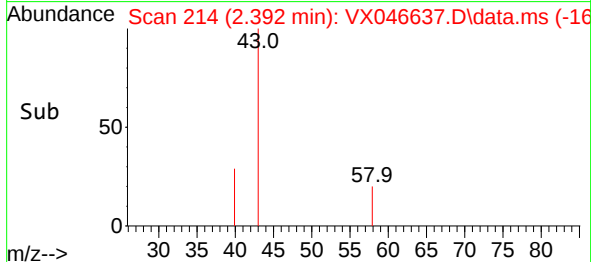
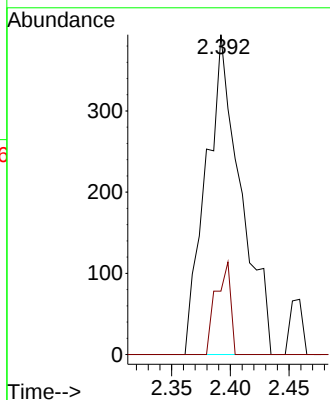
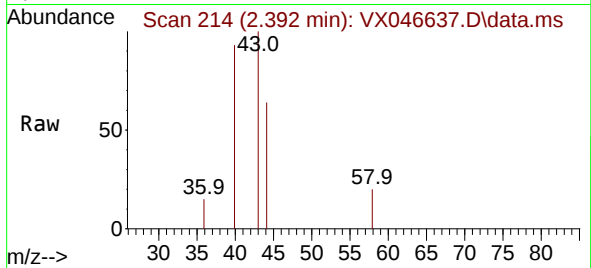




#16
Acetone
Concen: 6.140 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

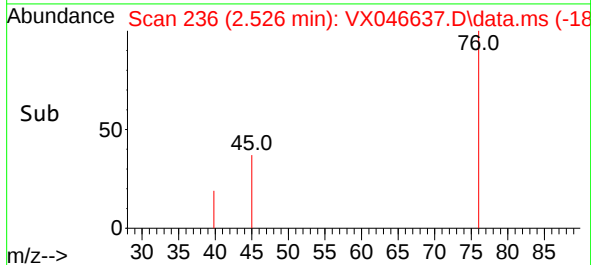
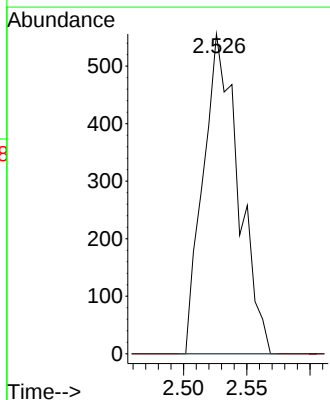
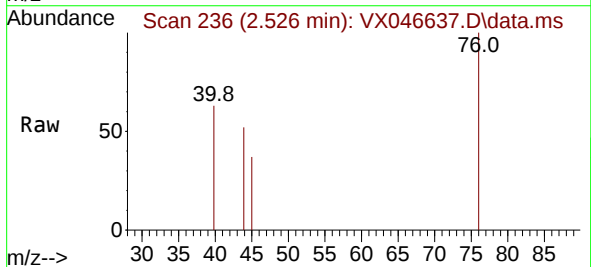
Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL02

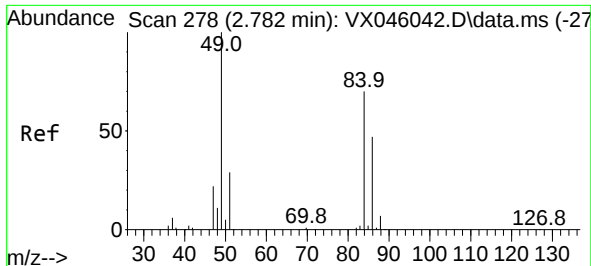
Tgt Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
58 19.8 21.2 31.8#



#17
Carbon Disulfide
Concen: 0.782 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

Tgt Ion: 76 Resp: 1078
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#





#20

Methylene Chloride

Concen: 0.579 ug/l

RT: 2.800 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX046637.D

Acq: 11 Jun 2025 15:14

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBL02

Tgt Ion: 84 Resp: 607

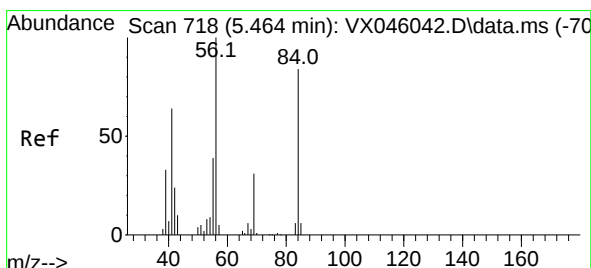
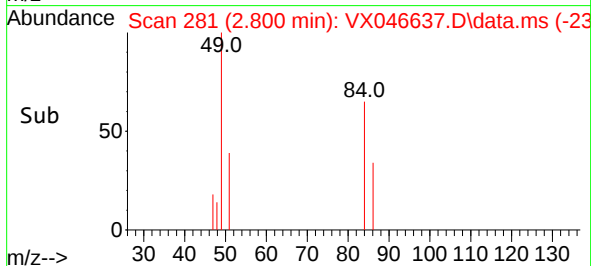
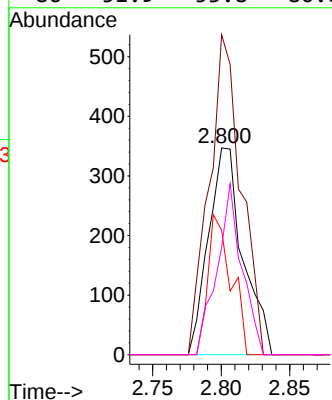
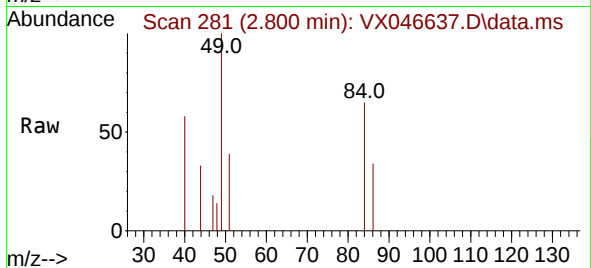
Ion Ratio Lower Upper

84 100

49 154.8 113.9 170.9

51 60.2 33.5 50.3#

86 51.9 53.8 80.8#



#31

Cyclohexane

Concen: 1.244 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.079 min

Lab File: VX046637.D

Acq: 11 Jun 2025 15:14

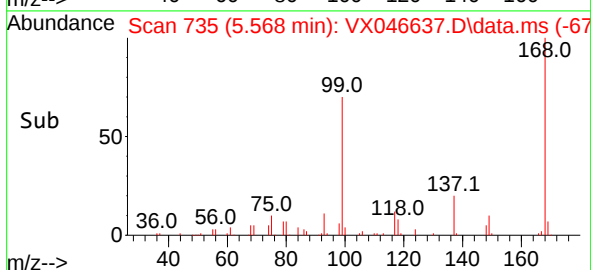
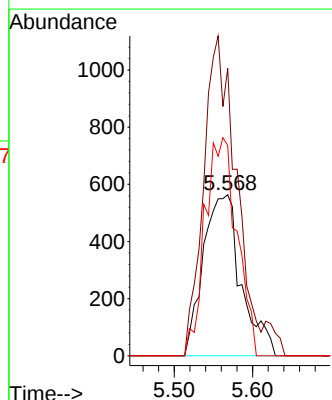
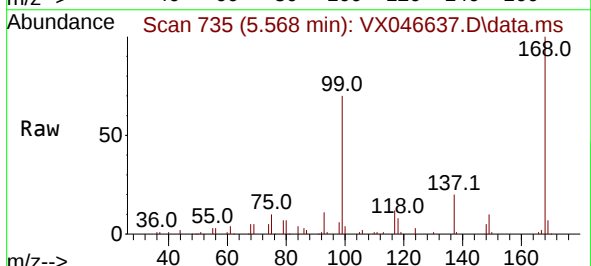
Tgt Ion: 56 Resp: 1891

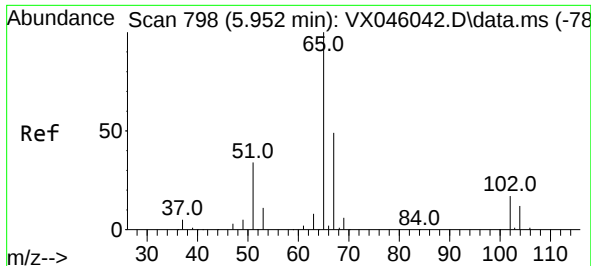
Ion Ratio Lower Upper

56 100

69 178.4 24.4 36.6#

84 130.5 66.9 100.3#

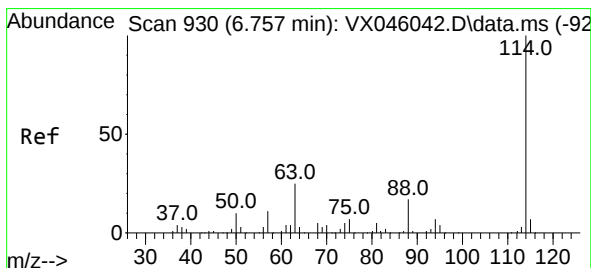
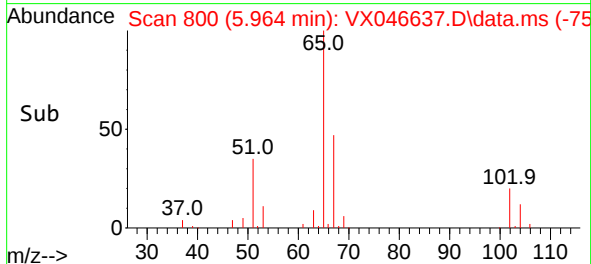
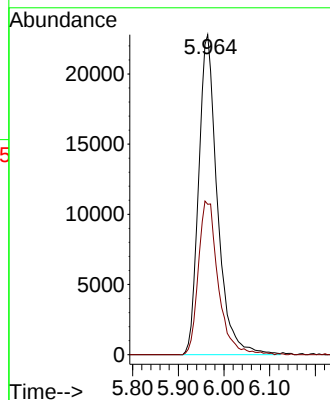
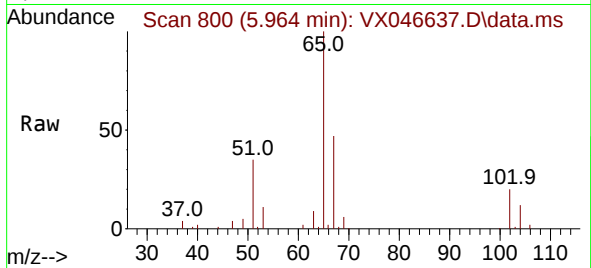




#33
 1,2-Dichloroethane-d4
 Concen: 49.685 ug/l
 RT: 5.964 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VX046637.D
 Acq: 11 Jun 2025 15:14

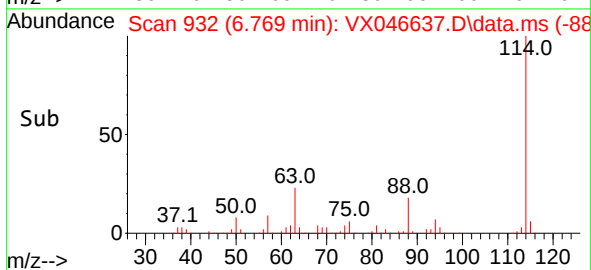
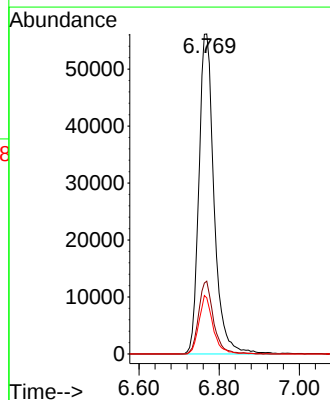
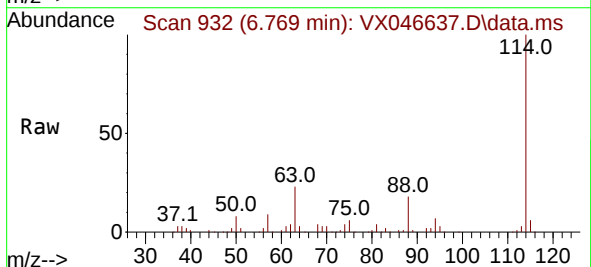
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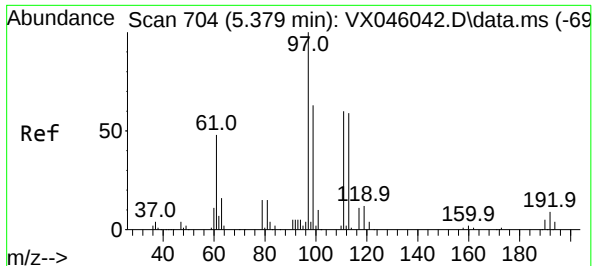
Tgt Ion: 65 Resp: 64944
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.006 min
 Lab File: VX046637.D
 Acq: 11 Jun 2025 15:14

Tgt Ion: 114 Resp: 147517
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 49.2
 88 17.6 0.0 33.6

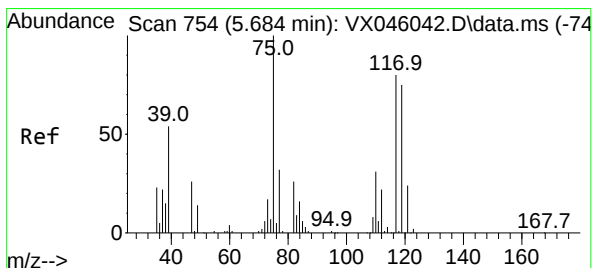
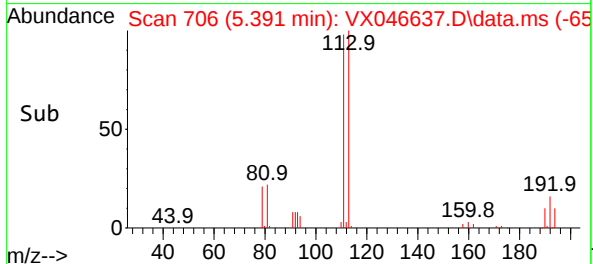
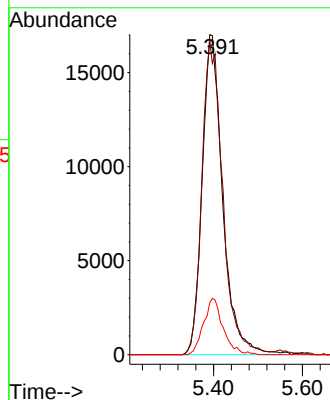
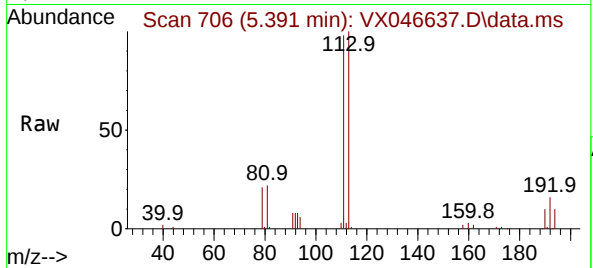




#35
Dibromofluoromethane
Concen: 50.367 ug/l
RT: 5.391 min Scan# 704
Delta R.T. -0.012 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

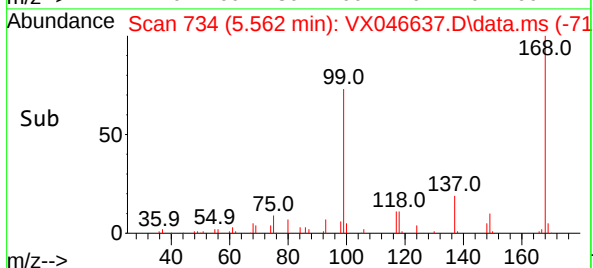
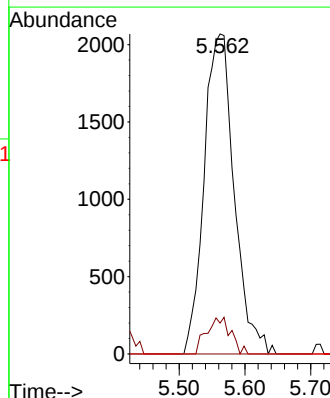
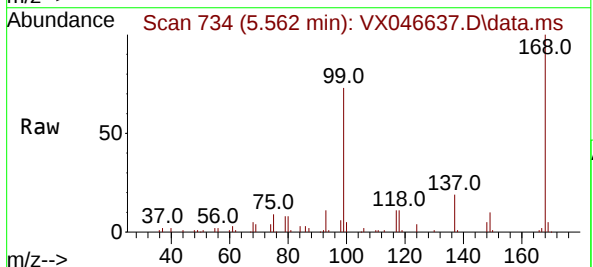
Instrument :
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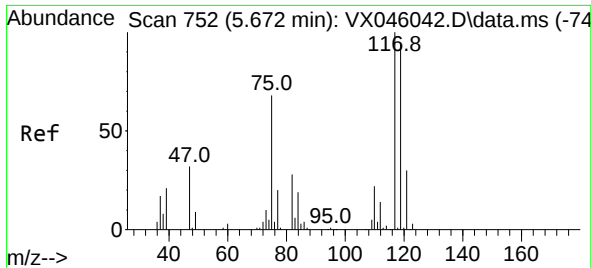
Tgt Ion:113 Resp: 54640
Ion Ratio Lower Upper
113 100
111 99.7 83.1 124.7
192 16.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.251 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.152 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

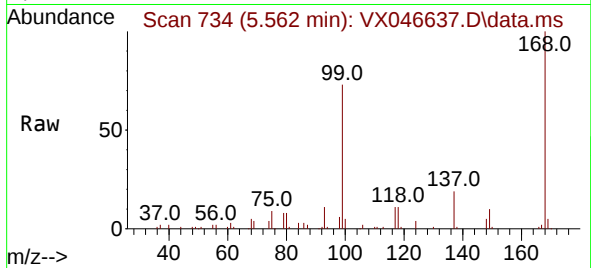
Tgt Ion: 75 Resp: 6587
Ion Ratio Lower Upper
75 100
110 9.1 16.3 48.9#
77 0.0 24.3 36.5#



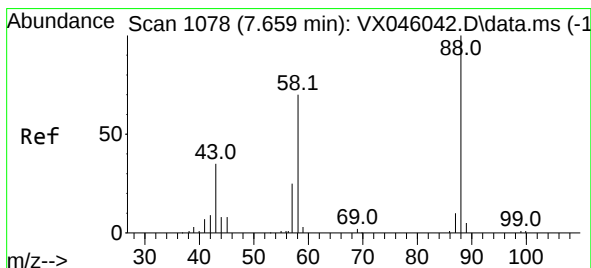
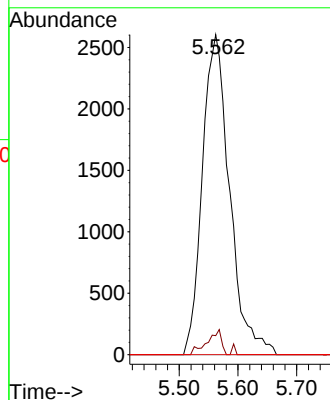
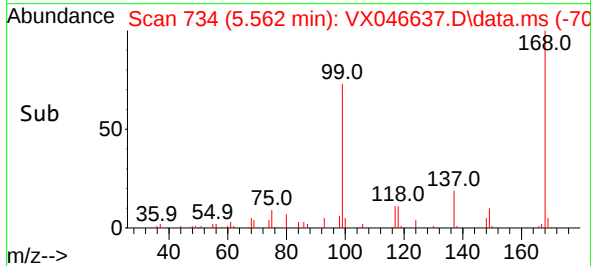


#38
Carbon Tetrachloride
Concen: 4.839 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

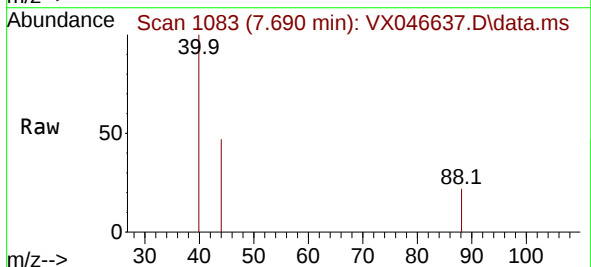
Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL02



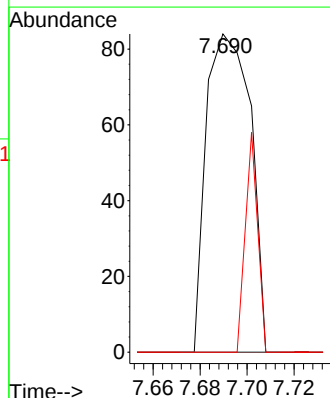
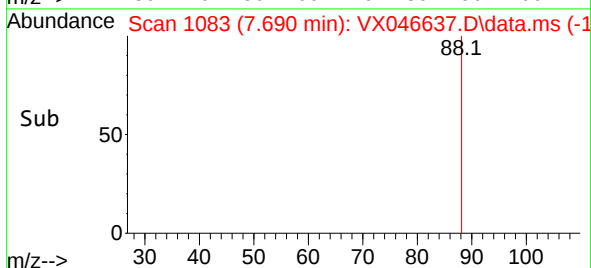
Tgt Ion:117 Resp: 8399
Ion Ratio Lower Upper
117 100
119 6.0 75.2 112.8#
121 0.0 24.2 36.4#

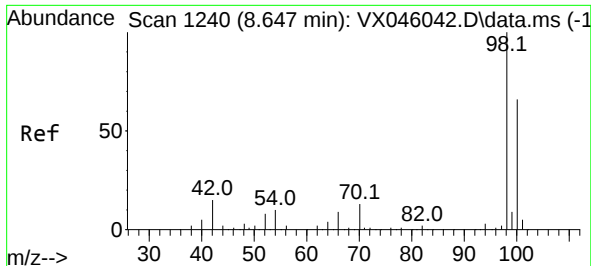


#49
1,4-Dioxane
Concen: 6.064 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.019 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14



Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
43 0.0 33.4 50.2#
58 19.1 58.6 88.0#

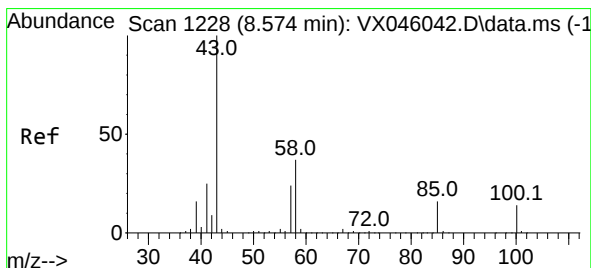
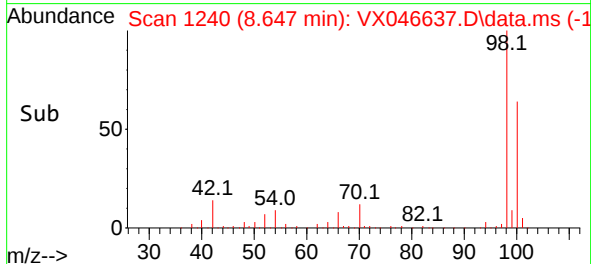
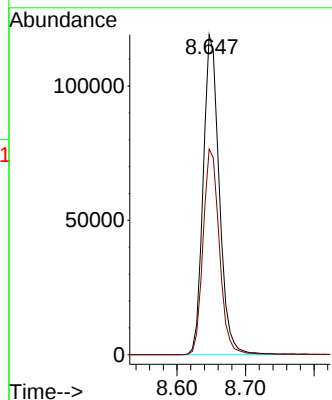
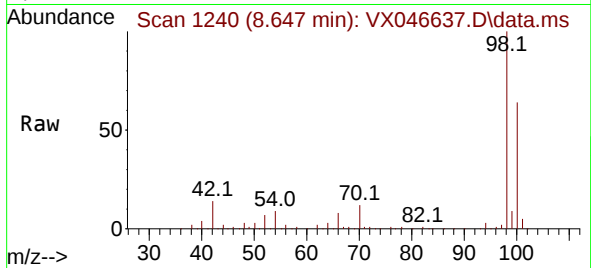




#50
Toluene-d8
Concen: 54.326 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

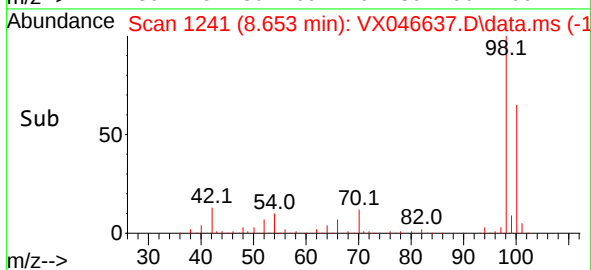
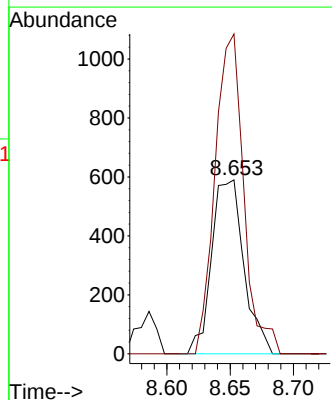
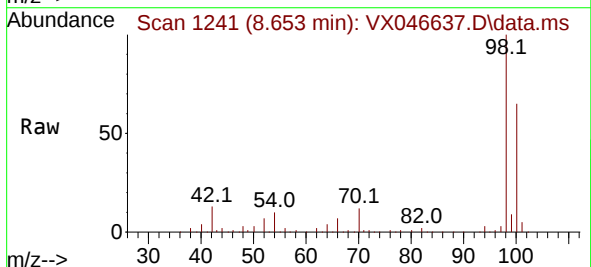
Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL02

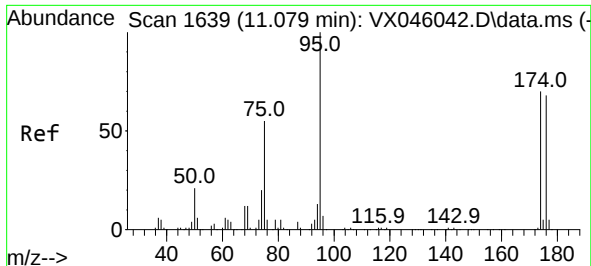
Tgt Ion: 98 Resp: 194299
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.626 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.080 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
58 162.9 28.9 43.3#

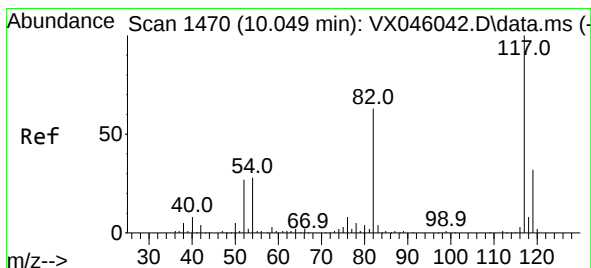
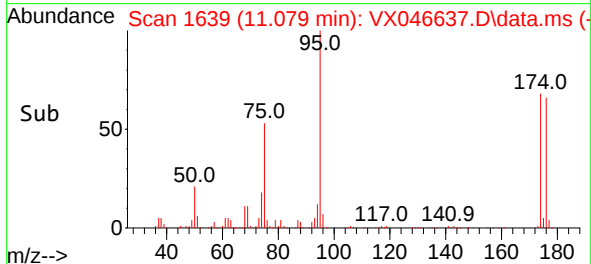
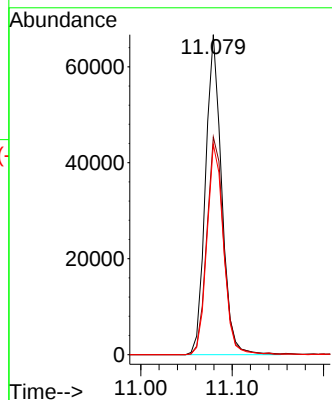
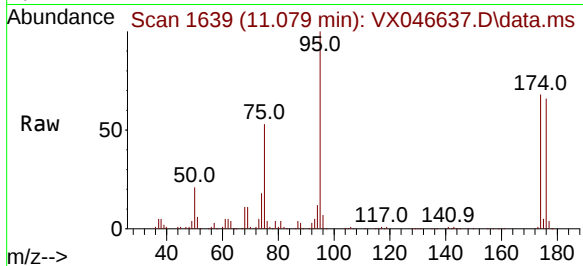




#62
4-Bromofluorobenzene
Concen: 55.283 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

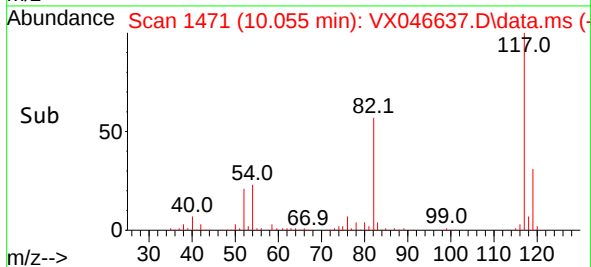
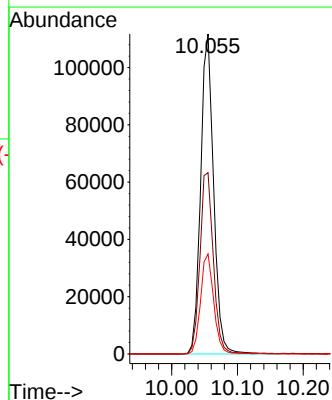
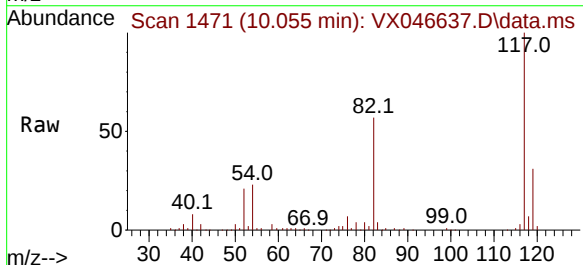
Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL02

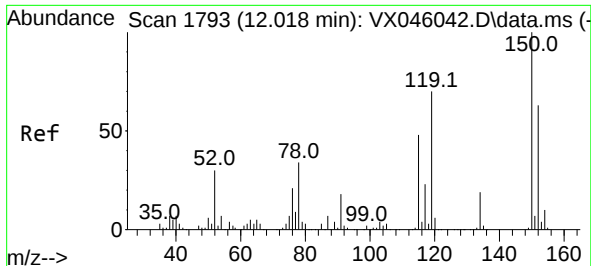
Tgt Ion: 95 Resp: 81807
Ion Ratio Lower Upper
95 100
174 71.3 0.0 135.8
176 67.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

Tgt Ion: 117 Resp: 153084
Ion Ratio Lower Upper
117 100
82 56.7 50.6 76.0
119 31.2 25.8 38.6

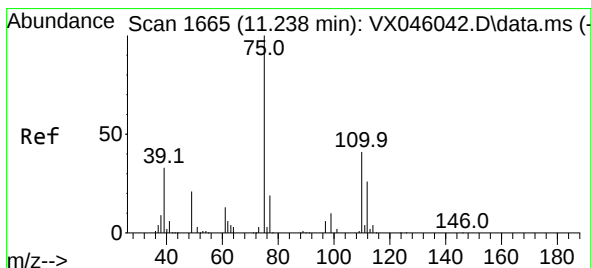
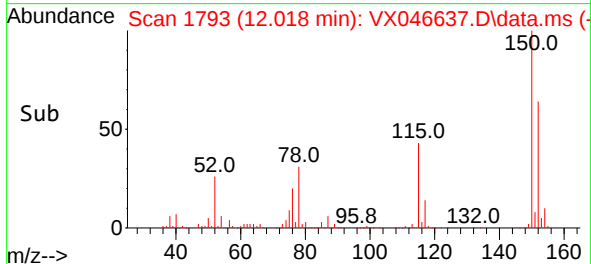
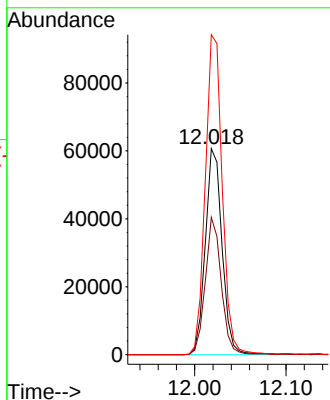
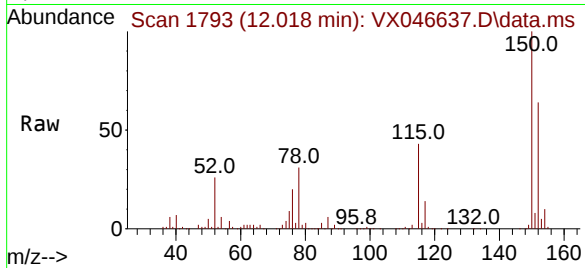




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX046637.D
 Acq: 11 Jun 2025 15:14

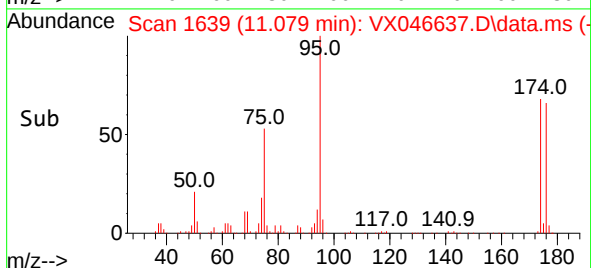
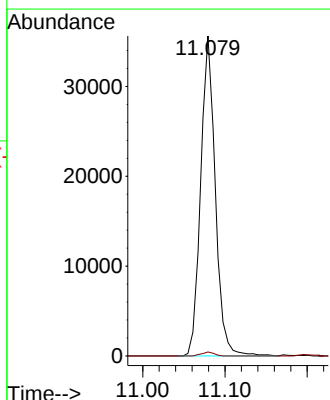
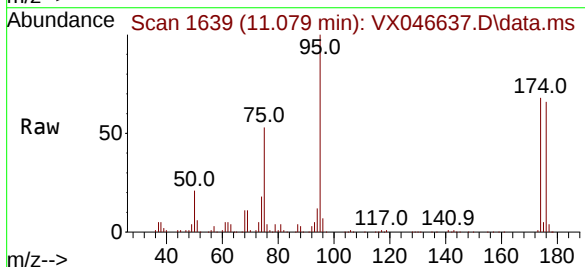
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611WBL02

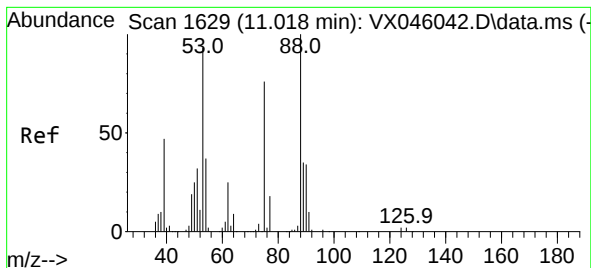
Tgt Ion:152 Resp: 77047
 Ion Ratio Lower Upper
 152 100
 115 63.7 46.9 140.7
 150 157.8 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 27.001 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046637.D
 Acq: 11 Jun 2025 15:14

Tgt Ion: 75 Resp: 44065
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.5 61.5#

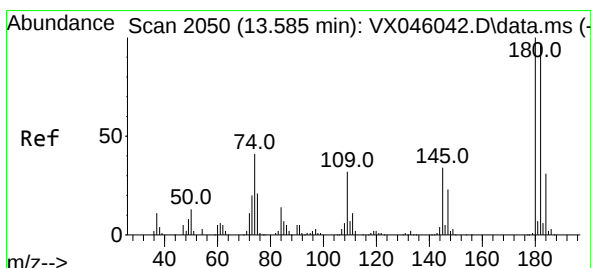
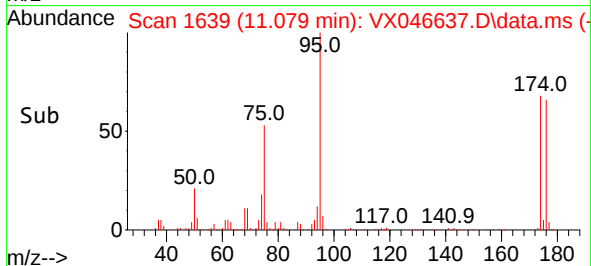
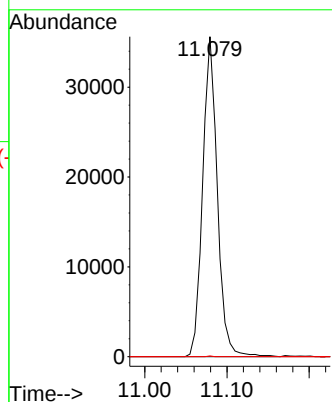
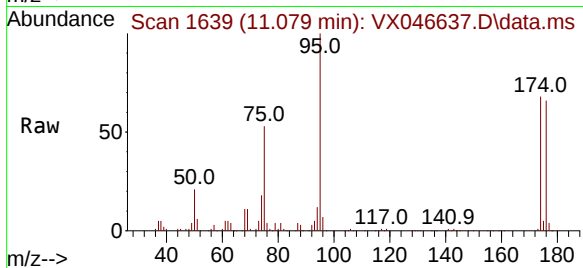




#81
trans-1,4-Dichloro-2-butene
Concen: 77.889 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

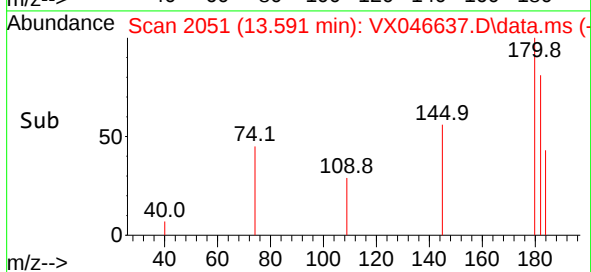
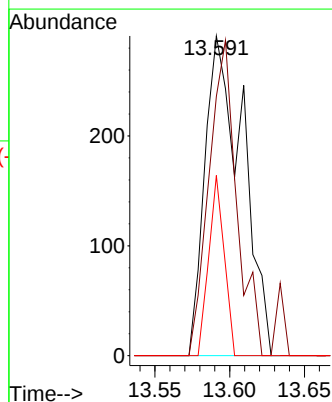
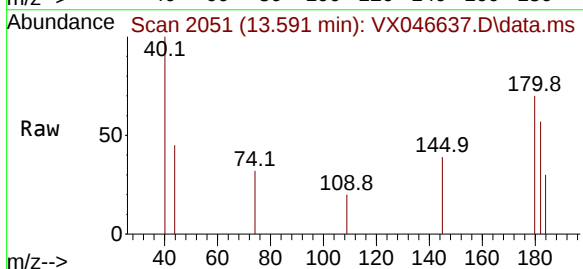
Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL02

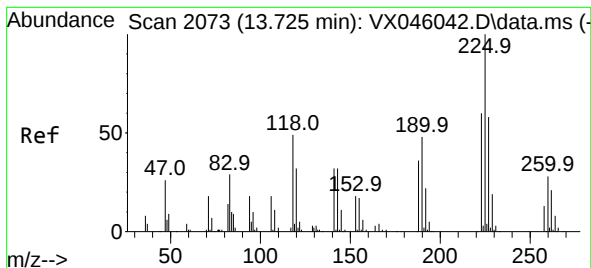
Tgt Ion: 75 Resp: 44065
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.1 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.284 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

Tgt Ion:180 Resp: 511
Ion Ratio Lower Upper
180 100
182 72.8 47.9 143.8
145 23.1 17.1 51.2





#94

Hexachlorobutadiene

Concen: 0.230 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX046637.D

Acq: 11 Jun 2025 15:14

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBL02

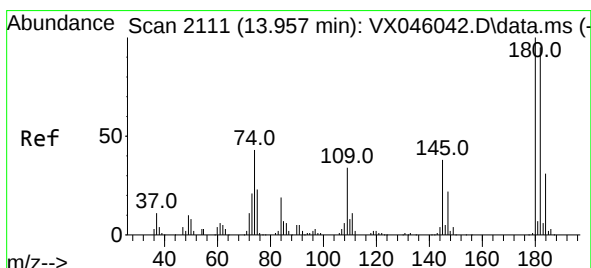
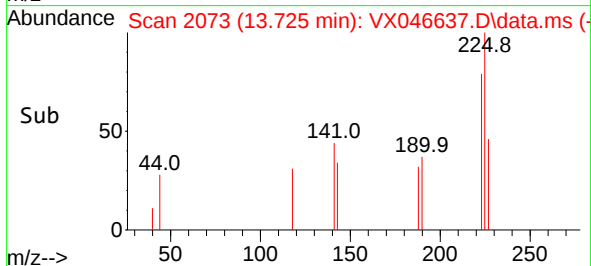
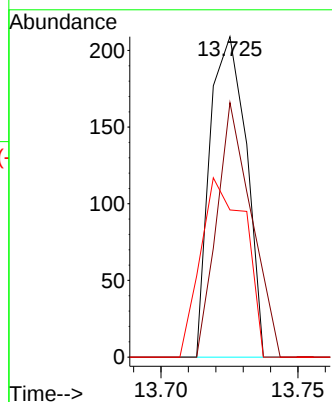
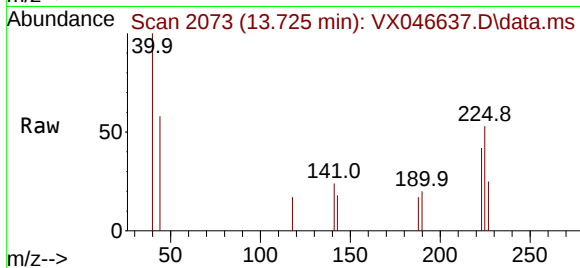
Tgt Ion:225 Resp: 192

Ion Ratio Lower Upper

225 100

223 76.0 30.8 92.4

227 68.8 30.9 92.7



#96

1,2,3-Trichlorobenzene

Concen: 0.225 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.012 min

Lab File: VX046637.D

Acq: 11 Jun 2025 15:14

Tgt Ion:180 Resp: 405

Ion Ratio Lower Upper

180 100

182 90.1 47.8 143.3

145 29.4 18.1 54.3

