

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046547.D
 Acq On : 07 Jun 2025 01:17
 Operator : JC/MD
 Sample : VX0606WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0606WBL02

Quant Time: Jun 07 04:26:36 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)

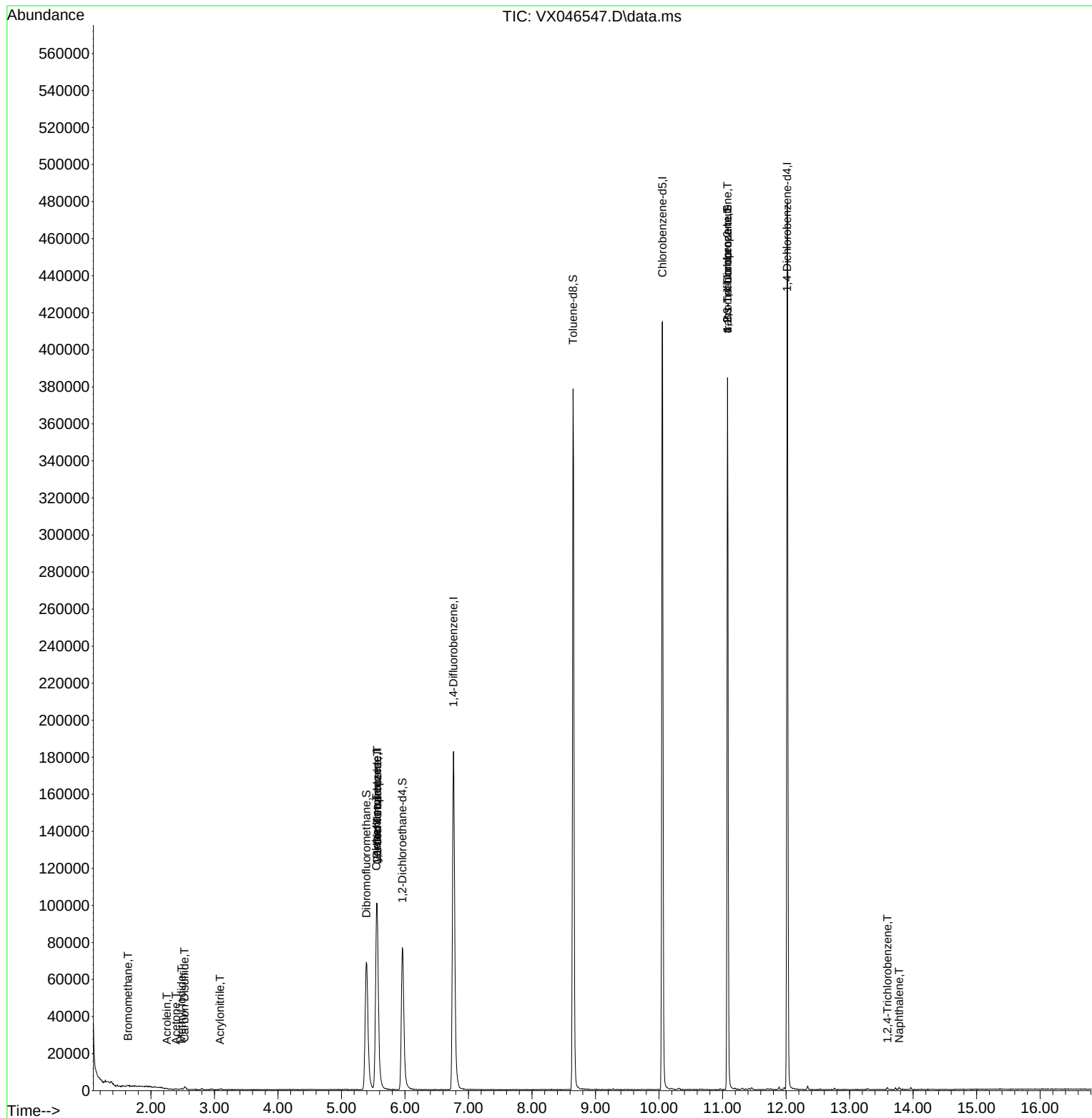
Internal Standards						
1) Pentafluorobenzene	5.556	168	95381	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	186443	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	185656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83647	49.293	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.580%
35) Dibromofluoromethane	5.391	113	66943	48.824	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.640%
50) Toluene-d8	8.647	98	220375	48.752	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.500%
62) 4-Bromofluorobenzene	11.079	95	101330	54.180	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.360%
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	313	0.429	ug/l	82
10) Methyl Iodide	2.483	142	623	0.459	ug/l #	90
13) Acrolein	2.252	56	58	30.230	ug/l #	15
15) Acrylonitrile	3.087	53	266	0.374	ug/l #	78
16) Acetone	2.392	43	730	5.670	ug/l #	82
17) Carbon Disulfide	2.526	76	1187	0.694	ug/l	97
31) Cyclohexane	5.550	56	2352	1.192	ug/l #	32
36) 1,1-Dichloropropene	5.562	75	9055	4.623	ug/l #	50
38) Carbon Tetrachloride	5.562	117	10900	4.969	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	55463	28.984	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	55463	83.607	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.597	180	426	0.202	ug/l	93
95) Naphthalene	13.780	128	1429	0.214	ug/l #	84

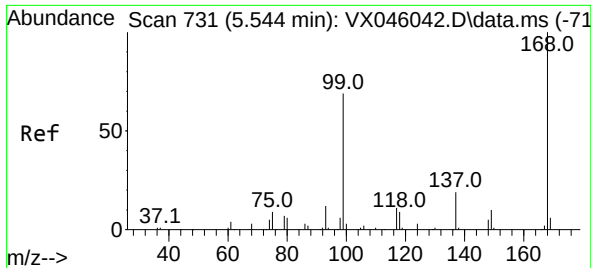
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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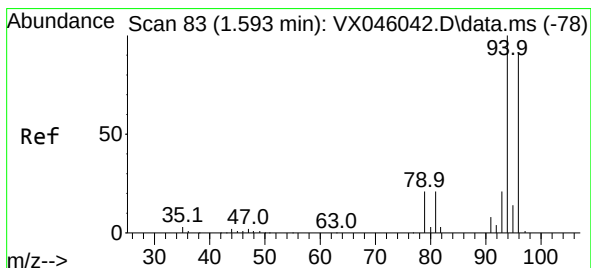
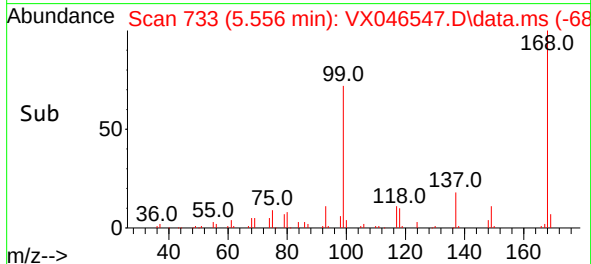
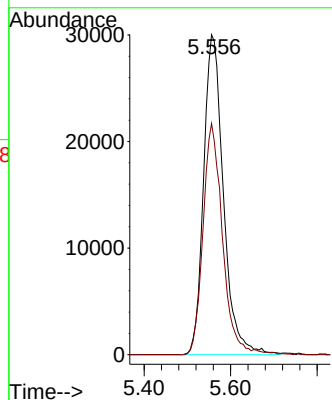
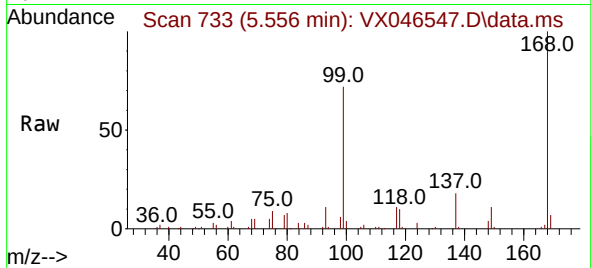




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

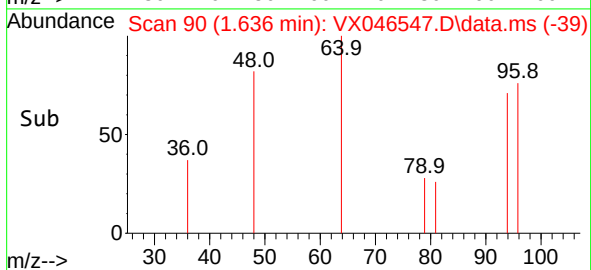
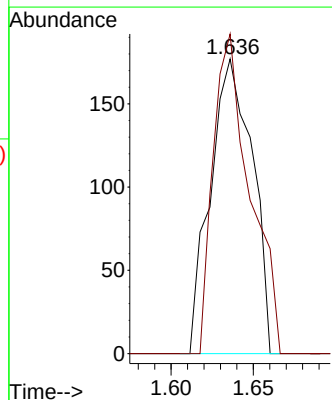
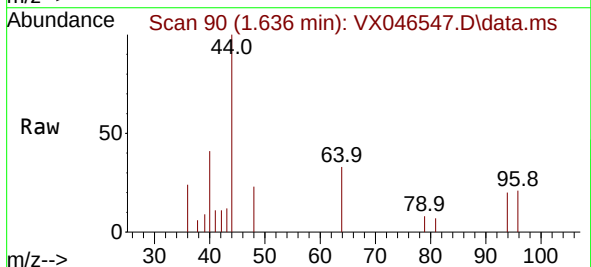
Instrument :
MSVOA_X
ClientSampleId :
VX0606WBL02

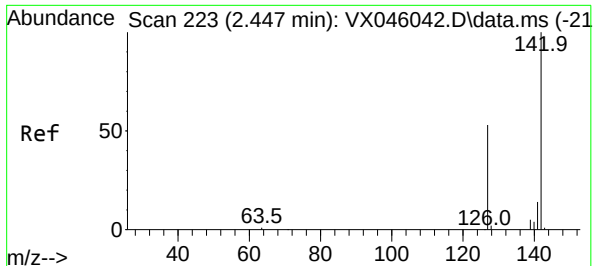
Tgt Ion:168 Resp: 95381
Ion Ratio Lower Upper
168 100
99 72.2 54.9 82.3



#5
Bromomethane
Concen: 0.429 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

Tgt Ion: 94 Resp: 313
Ion Ratio Lower Upper
94 100
96 108.5 72.8 109.2





#10

Methyl Iodide

Concen: 0.459 ug/l

RT: 2.483 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX046547.D

Acq: 07 Jun 2025 01:17

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBL02

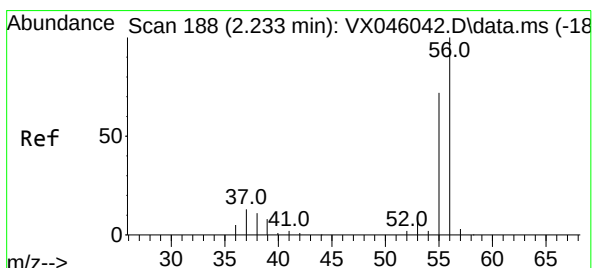
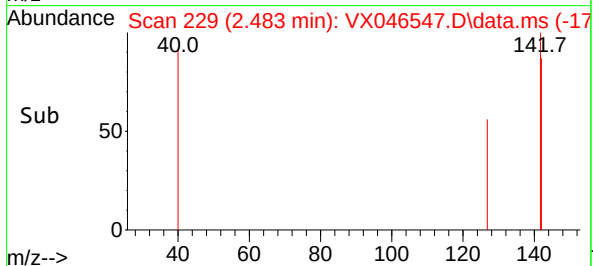
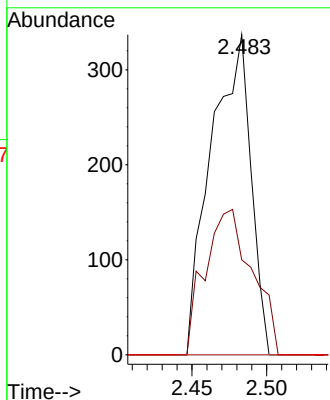
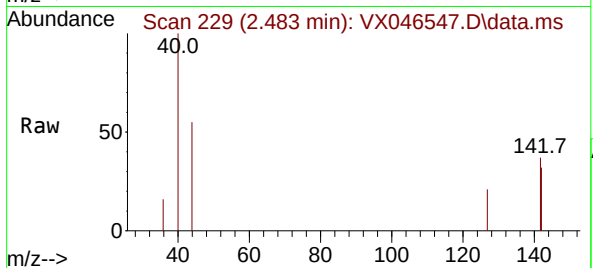
Tgt Ion:142 Resp: 623

Ion Ratio Lower Upper

142 100

127 54.1 41.7 62.5

141 0.0 11.5 17.3#



#13

Acrolein

Concen: 30.230 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.001 min

Lab File: VX046547.D

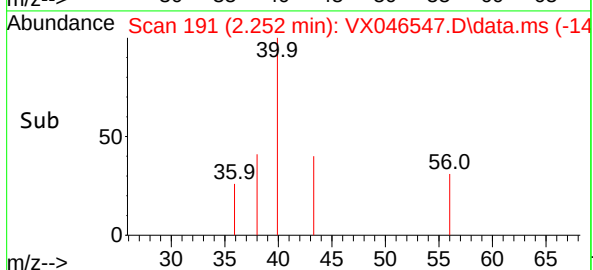
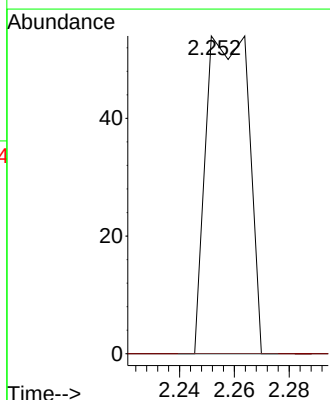
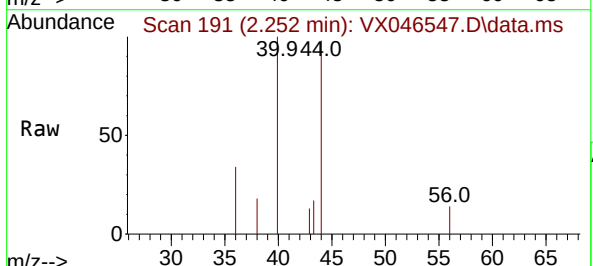
Acq: 07 Jun 2025 01:17

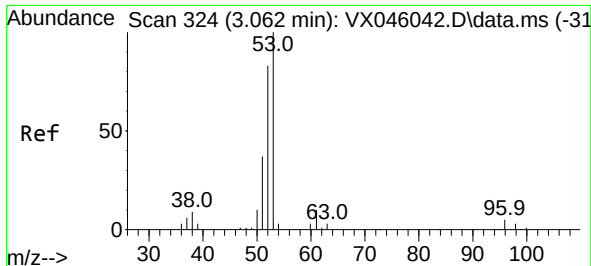
Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#

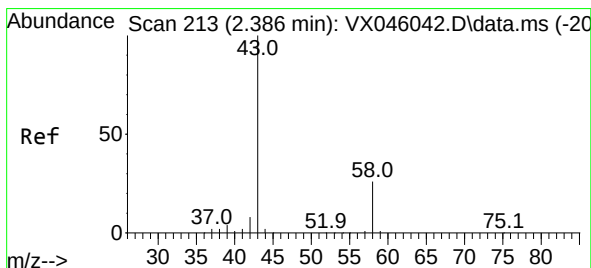
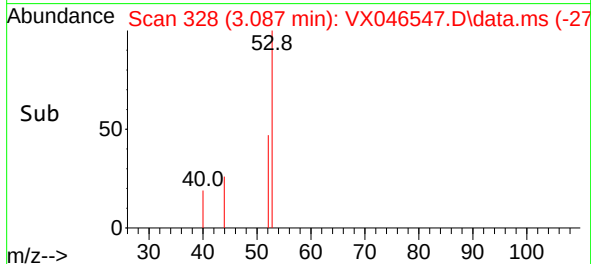
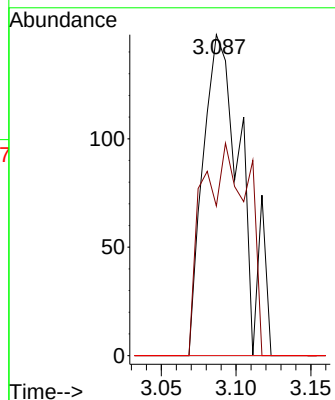
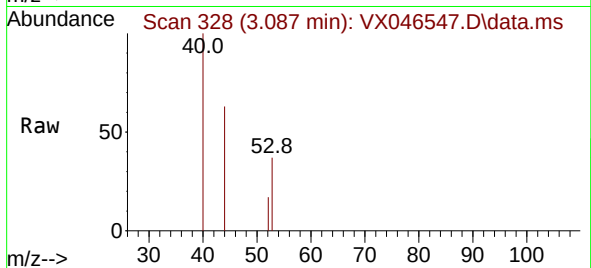




#15
Acrylonitrile
Concen: 0.374 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

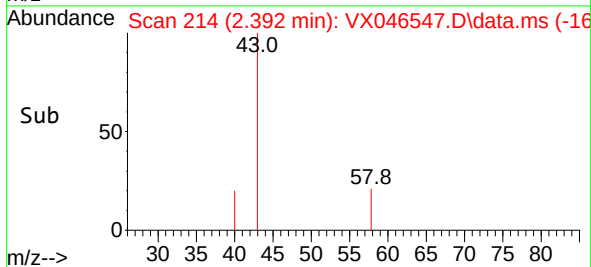
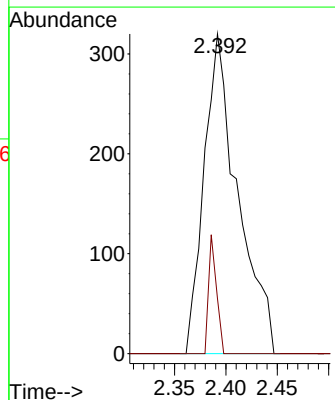
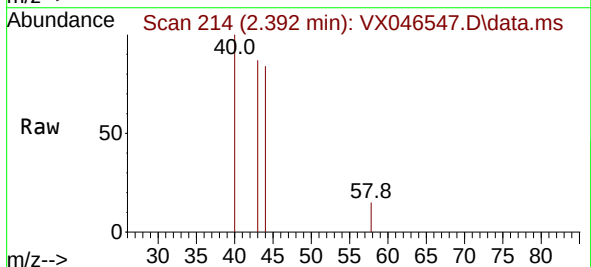
Instrument :
MSVOA_X
ClientSampleId :
VX0606WBL02

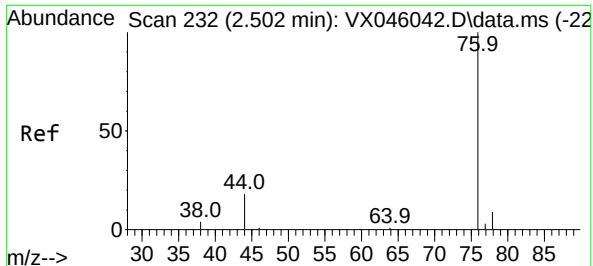
Tgt Ion: 53 Resp: 266
Ion Ratio Lower Upper
53 100
52 78.2 65.3 97.9
51 0.0 29.8 44.8#



#16
Acetone
Concen: 5.670 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

Tgt Ion: 43 Resp: 730
Ion Ratio Lower Upper
43 100
58 17.2 21.2 31.8#

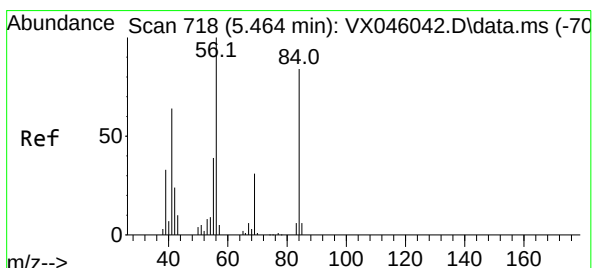
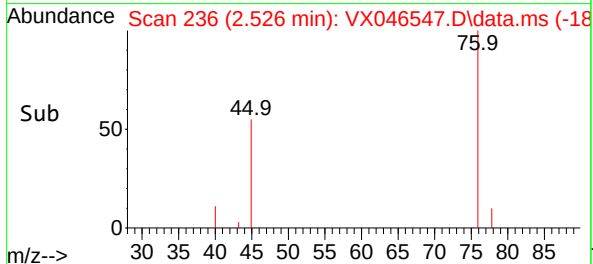
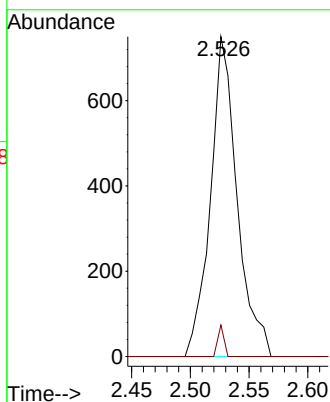
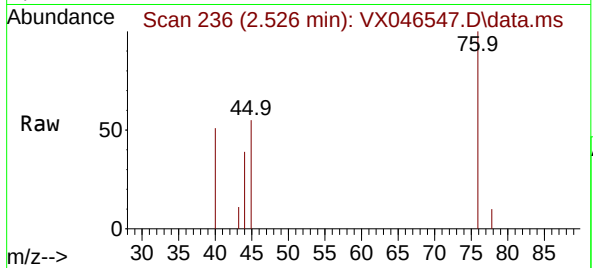




#17
Carbon Disulfide
Concen: 0.694 ug/l
RT: 2.526 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

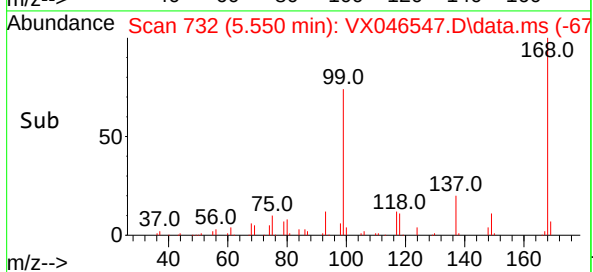
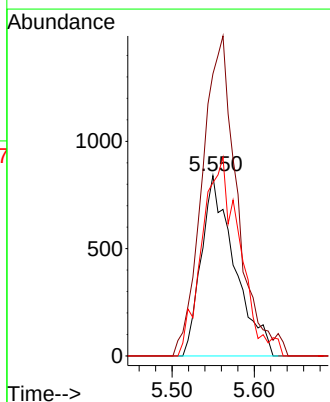
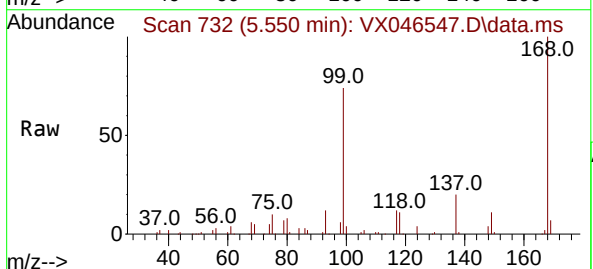
Instrument :
MSVOA_X
ClientSampleId :
VX0606WBL02

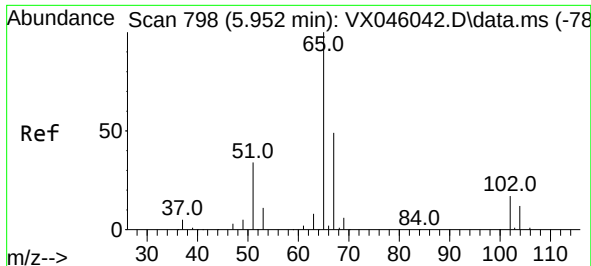
Tgt Ion: 76 Resp: 1187
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.4



#31
Cyclohexane
Concen: 1.192 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.061 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

Tgt Ion: 56 Resp: 2352
Ion Ratio Lower Upper
56 100
69 148.0 24.4 36.6#
84 96.1 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 49.293 ug/l

RT: 5.958 min Scan# 798

Delta R.T. -0.012 min

Lab File: VX046547.D

Acq: 07 Jun 2025 01:17

Instrument :

MSVOA_X

ClientSampleId :

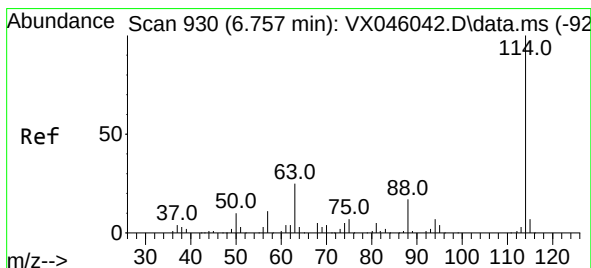
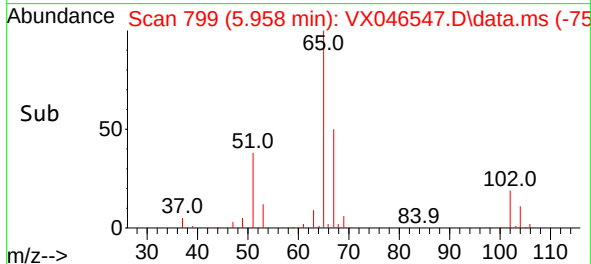
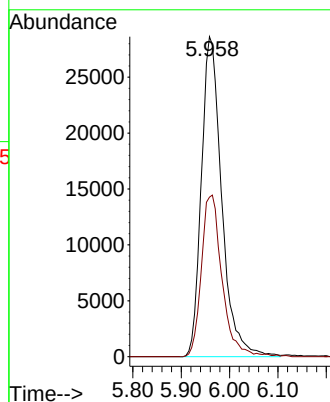
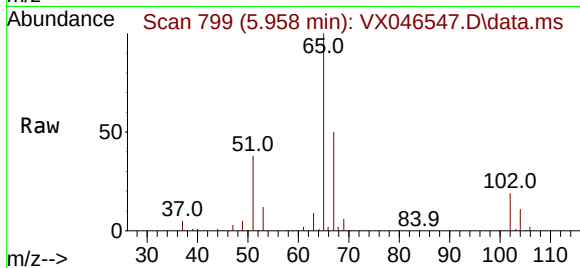
VX0606WBL02

Tgt Ion: 65 Resp: 83647

Ion Ratio Lower Upper

65 100

67 51.4 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.012 min

Lab File: VX046547.D

Acq: 07 Jun 2025 01:17

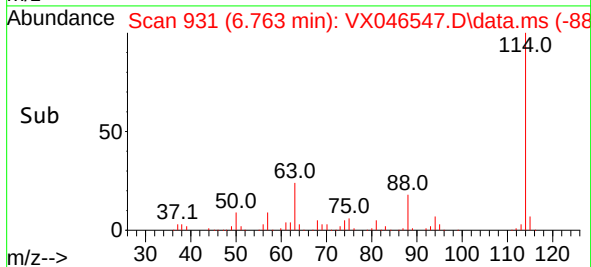
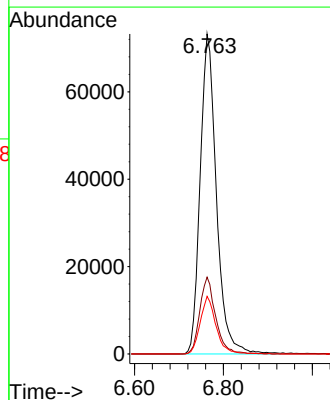
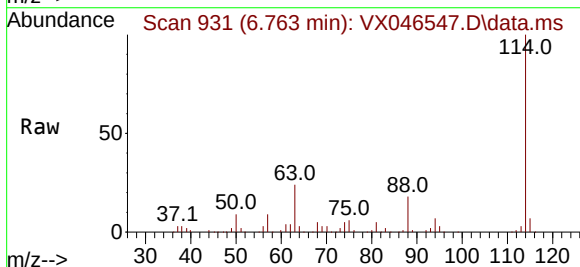
Tgt Ion: 114 Resp: 186443

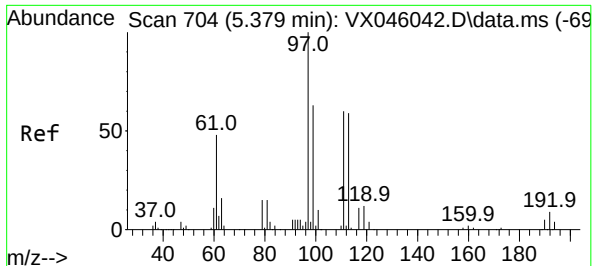
Ion Ratio Lower Upper

114 100

63 24.0 0.0 49.2

88 18.0 0.0 33.6

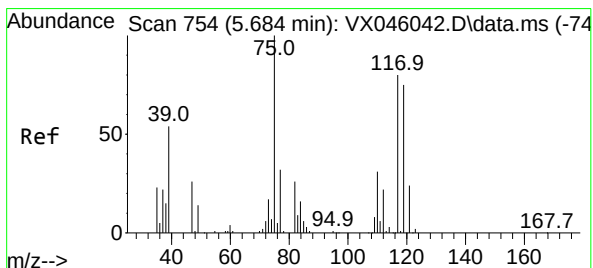
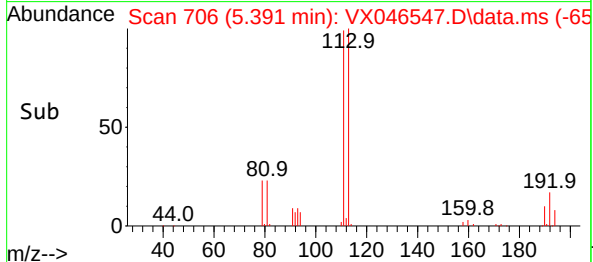
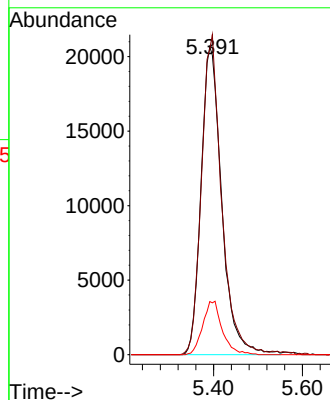
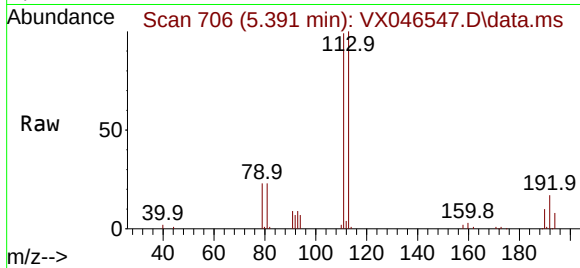




#35
Dibromofluoromethane
Concen: 48.824 ug/l
RT: 5.391 min Scan# 704
Delta R.T. -0.012 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

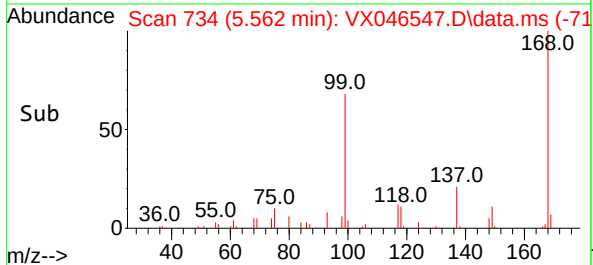
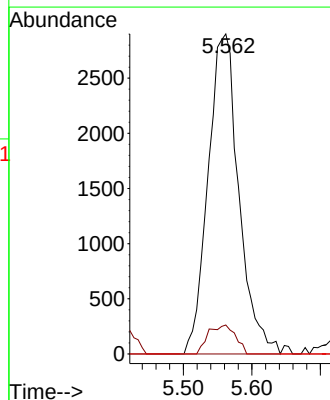
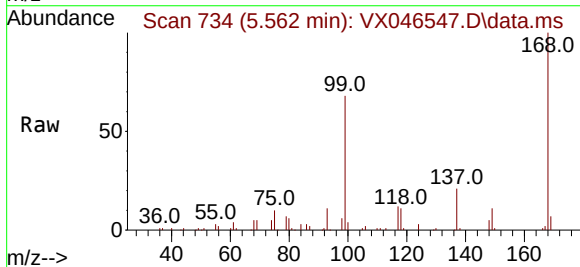
Instrument :
MSVOA_X
ClientSampleId :
VX0606WBL02

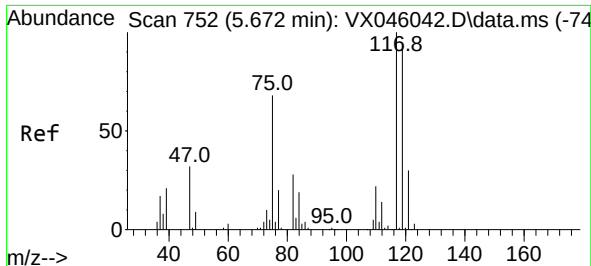
Tgt Ion:113 Resp: 66943
Ion Ratio Lower Upper
113 100
111 100.9 83.1 124.7
192 16.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.623 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.152 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

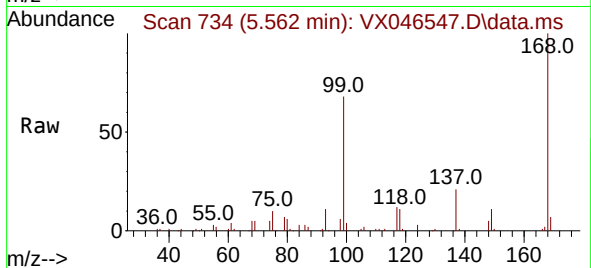
Tgt Ion: 75 Resp: 9055
Ion Ratio Lower Upper
75 100
110 8.0 16.3 48.9#
77 0.0 24.3 36.5#



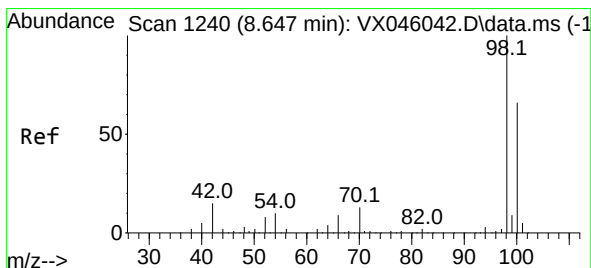
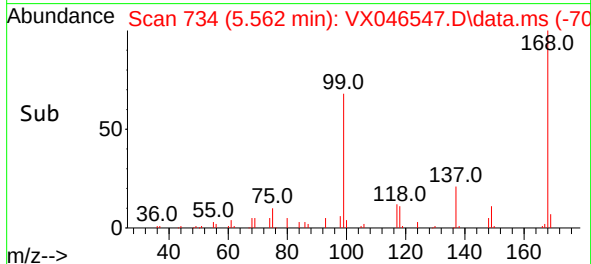
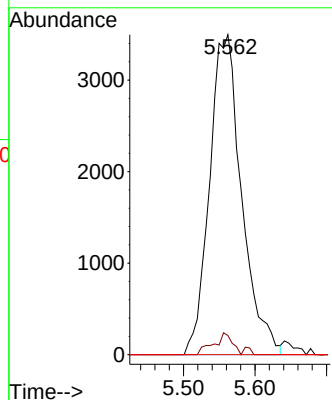


#38
Carbon Tetrachloride
Concen: 4.969 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBL02

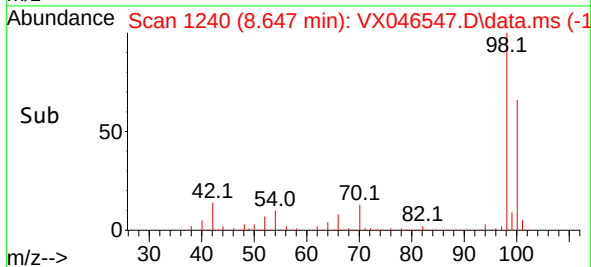
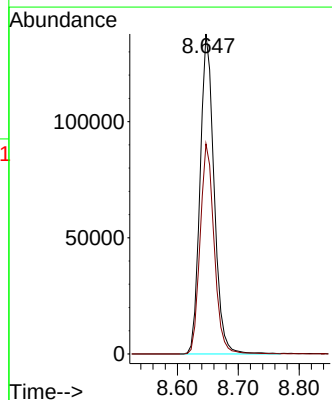
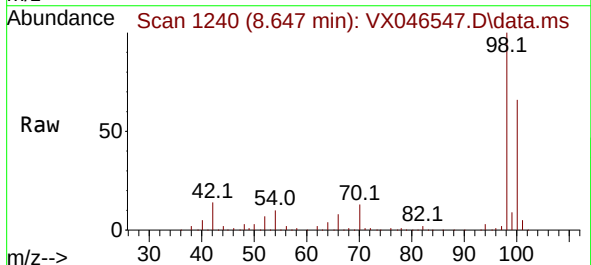


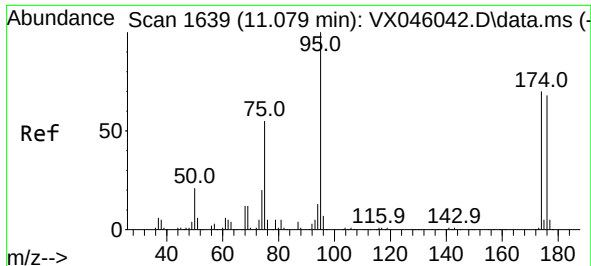
Tgt Ion:117 Resp: 10900
Ion Ratio Lower Upper
117 100
119 6.0 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 48.752 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

Tgt Ion: 98 Resp: 220375
Ion Ratio Lower Upper
98 100
100 65.8 53.5 80.3

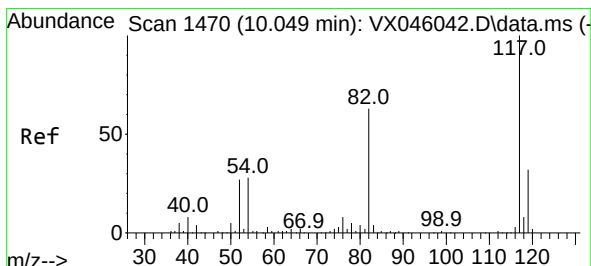
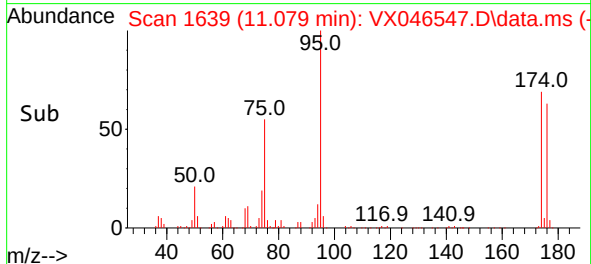
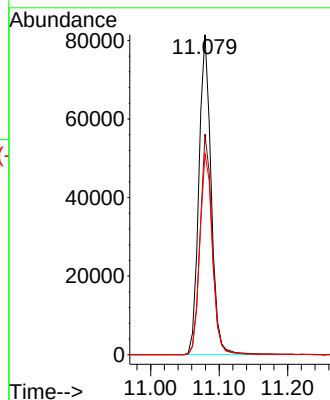
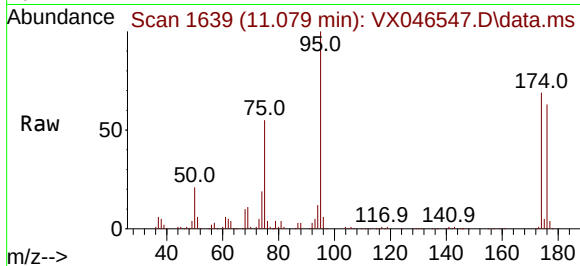




#62
4-Bromofluorobenzene
Concen: 54.180 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

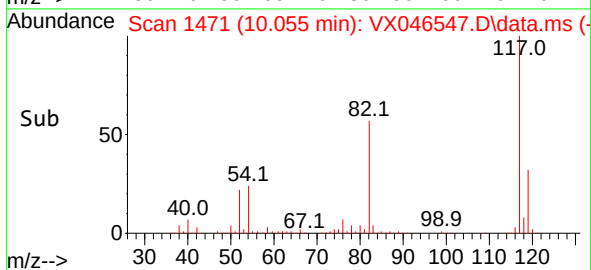
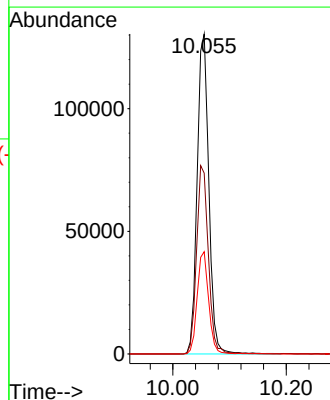
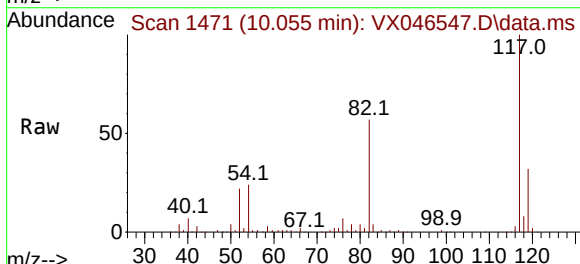
Instrument :
MSVOA_X
ClientSampleId :
VX0606WBL02

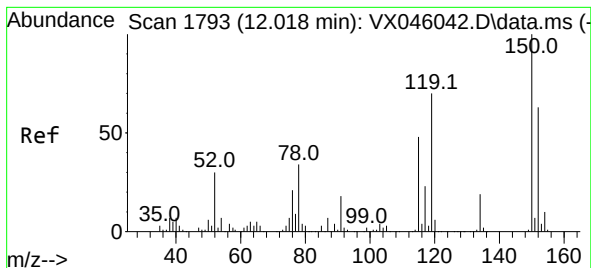
Tgt Ion: 95 Resp: 101330
Ion Ratio Lower Upper
95 100
174 68.2 0.0 135.8
176 64.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

Tgt Ion: 117 Resp: 185656
Ion Ratio Lower Upper
117 100
82 56.5 50.6 76.0
119 31.9 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: VX046547.D

Acq: 07 Jun 2025 01:17

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBL02

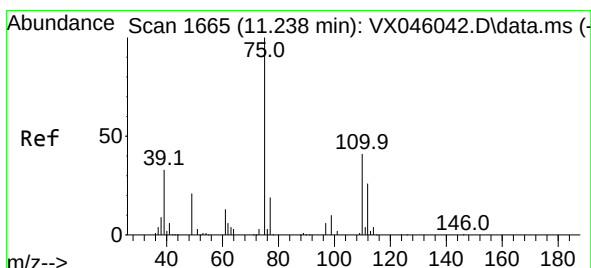
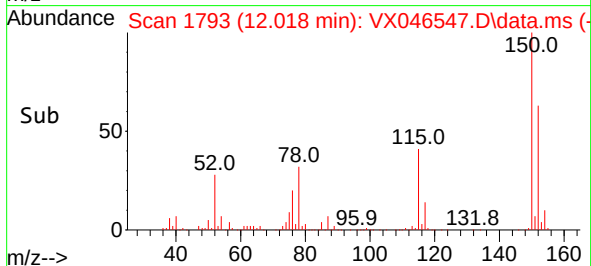
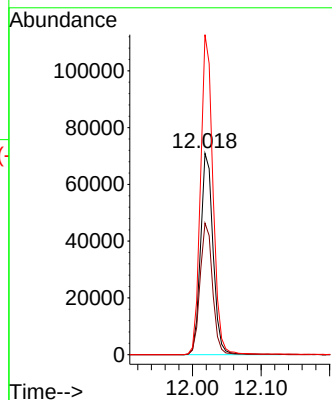
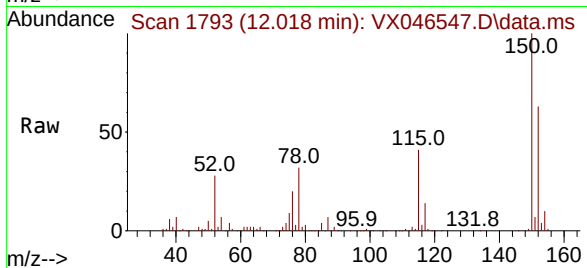
Tgt Ion:152 Resp: 90343

Ion Ratio Lower Upper

152 100

115 65.2 46.9 140.7

150 157.6 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 28.984 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046547.D

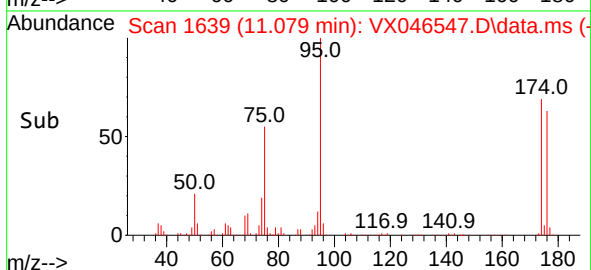
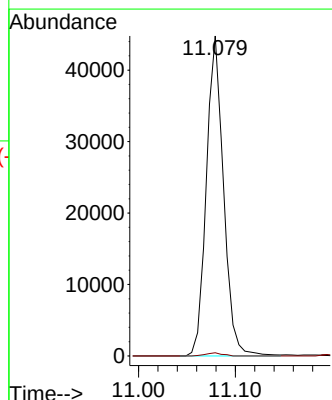
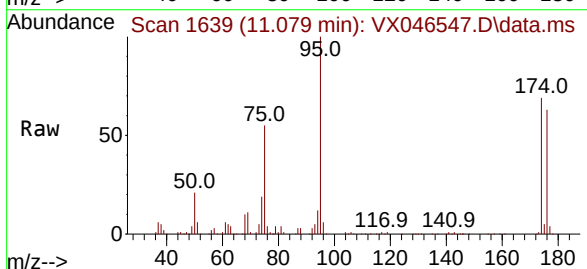
Acq: 07 Jun 2025 01:17

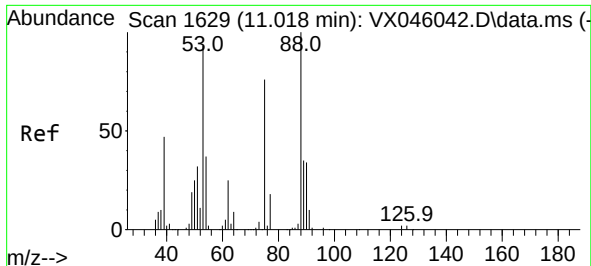
Tgt Ion: 75 Resp: 55463

Ion Ratio Lower Upper

75 100

77 0.9 20.5 61.5#

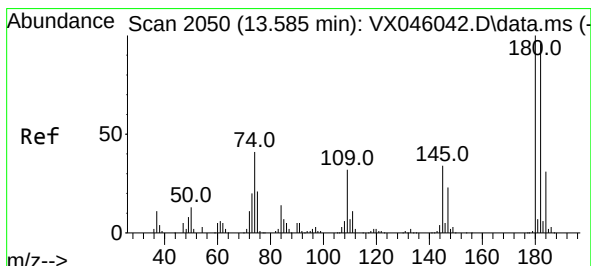
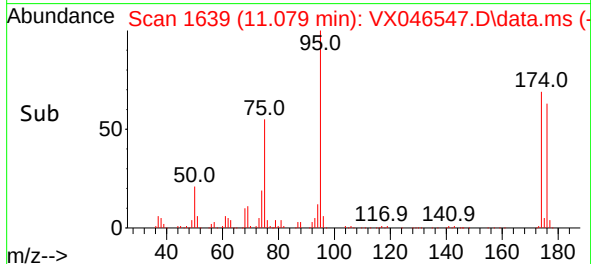
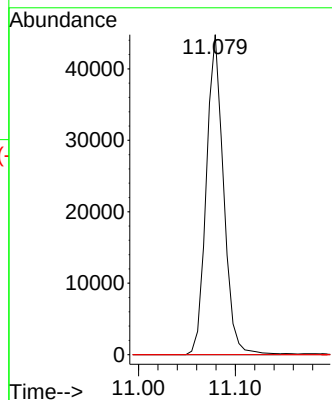
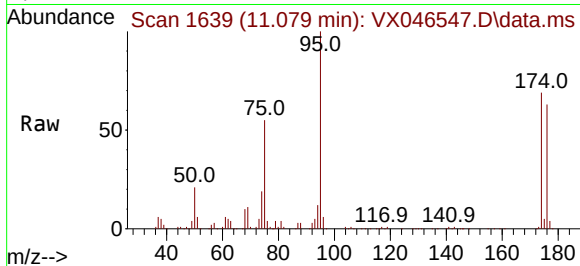




#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.607 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX046547.D
 Acq: 07 Jun 2025 01:17

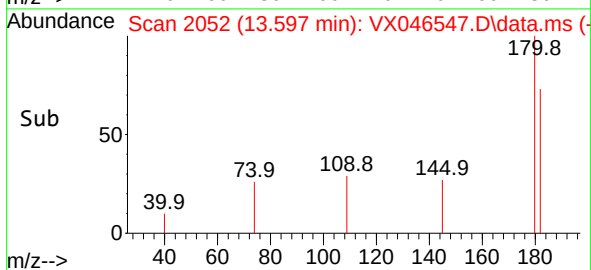
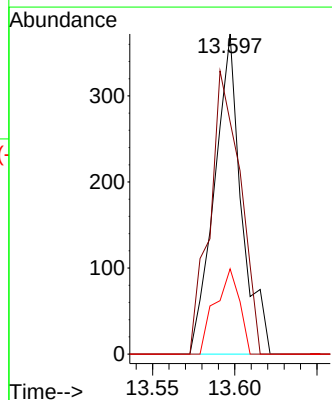
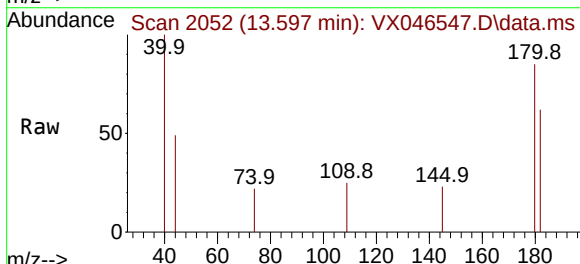
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0606WBL02

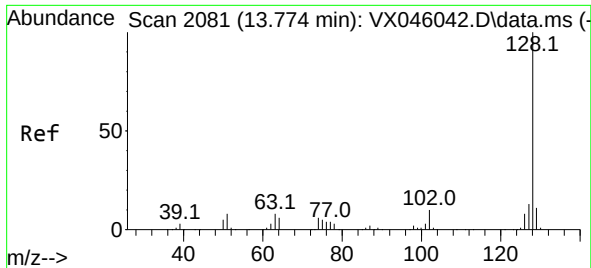
Tgt Ion: 75 Resp: 55463
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.202 ug/l
 RT: 13.597 min Scan# 2052
 Delta R.T. 0.012 min
 Lab File: VX046547.D
 Acq: 07 Jun 2025 01:17

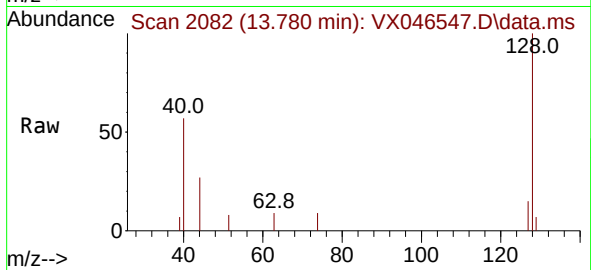
Tgt Ion:180 Resp: 426
 Ion Ratio Lower Upper
 180 100
 182 99.5 47.9 143.8
 145 23.9 17.1 51.2





#95
Naphthalene
Concen: 0.214 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBL02



Tgt Ion:128 Resp: 1429
Ion Ratio Lower Upper
128 100
127 8.3 10.4 15.6#
129 2.7 8.6 13.0#

