

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
 Data File : VX046739.D
 Acq On : 18 Jun 2025 13:58
 Operator : JC/MD
 Sample : Q2345-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPOW6-5-20250616

Quant Time: Jun 19 01:24:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

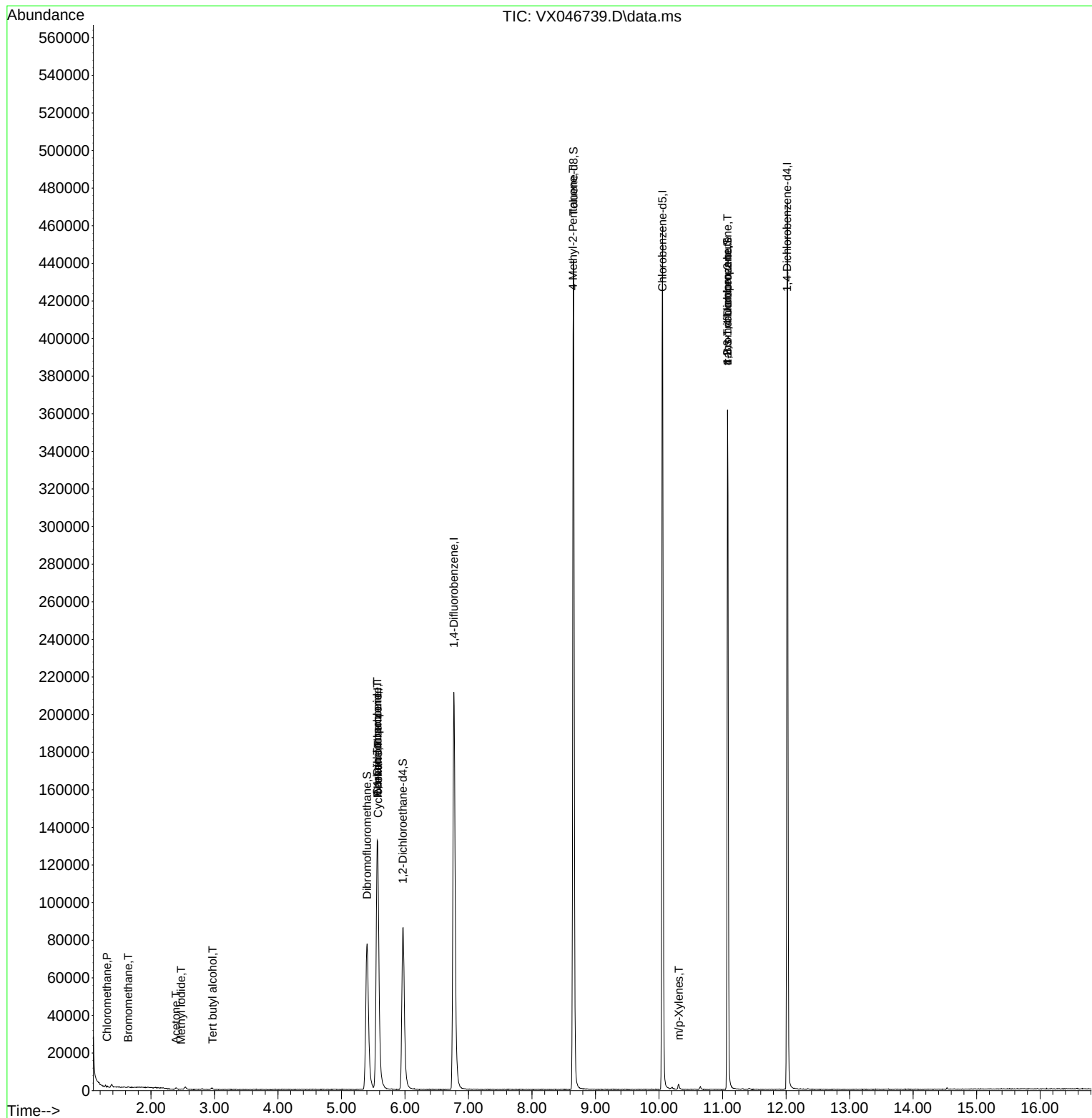
Internal Standards						
1) Pentafluorobenzene	5.568	168	138024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	229333	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	98514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	92104	48.244	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.480%
35) Dibromofluoromethane	5.403	113	73789	48.631	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.260%
50) Toluene-d8	8.653	98	268168	49.192	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.380%
62) 4-Bromofluorobenzene	11.079	95	101037	49.720	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.440%
Target Compounds						
					Qvalue	
3) Chloromethane	1.306	50	375	0.236	ug/l	93
5) Bromomethane	1.642	94	224	0.235	ug/l #	4
10) Methyl Iodide	2.477	142	252	4.450	ug/l #	70
11) Tert butyl alcohol	2.971	59	350	2.043	ug/l #	72
16) Acetone	2.391	43	1016	1.596	ug/l #	27
31) Cyclohexane	5.574	56	2824	0.988	ug/l #	11
36) 1,1-Dichloropropene	5.562	75	10864	4.960	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14167	5.960	ug/l #	17
51) 4-Methyl-2-Pentanone	8.646	43	1280	0.678	ug/l #	1
68) m/p-Xylenes	10.311	106	883	0.300	ug/l	77
76) 1,2,3-Trichloropropane	11.079	75	50918	28.220	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	50918	79.767	ug/l #	7

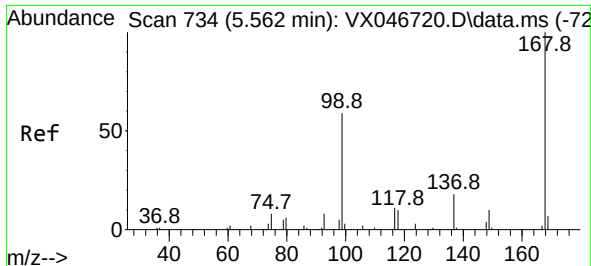
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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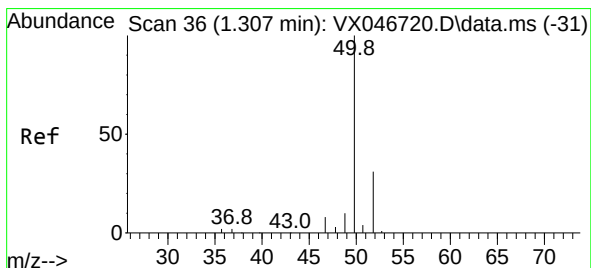
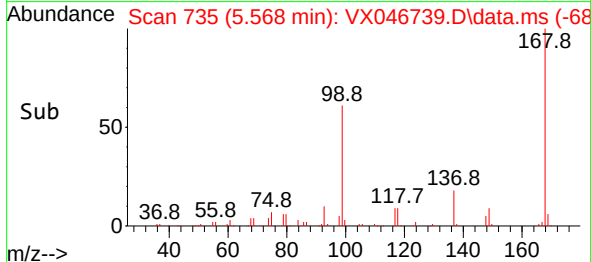
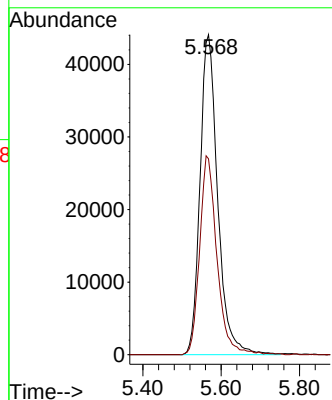
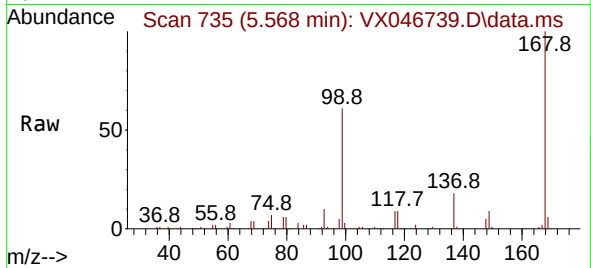




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

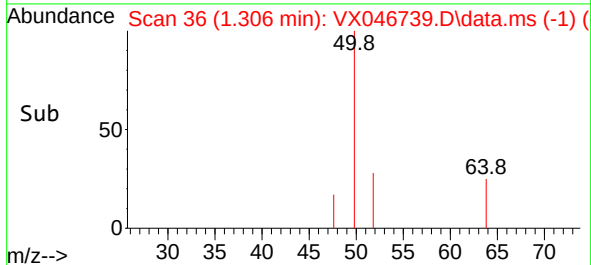
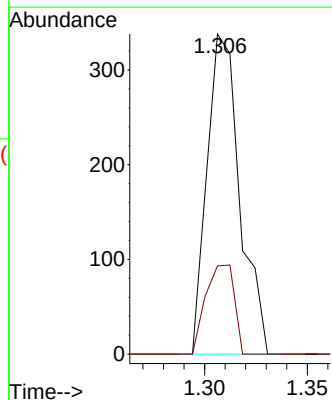
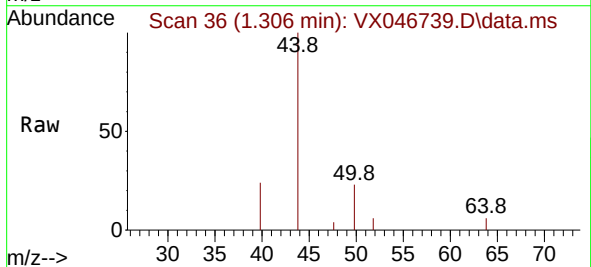
Instrument :
MSVOA_X
ClientSampleId :
BPOW6-5-20250616

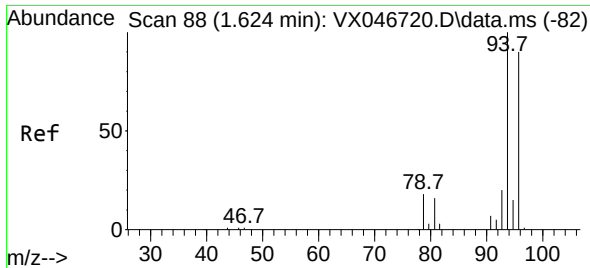
Tgt Ion:168 Resp: 138024
Ion Ratio Lower Upper
168 100
99 61.2 48.5 72.7



#3
Chloromethane
Concen: 0.236 ug/l
RT: 1.306 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

Tgt Ion: 50 Resp: 375
Ion Ratio Lower Upper
50 100
52 27.5 24.9 37.3

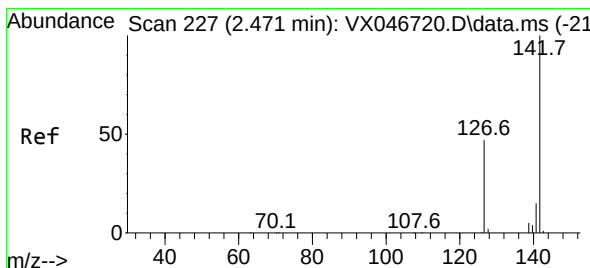
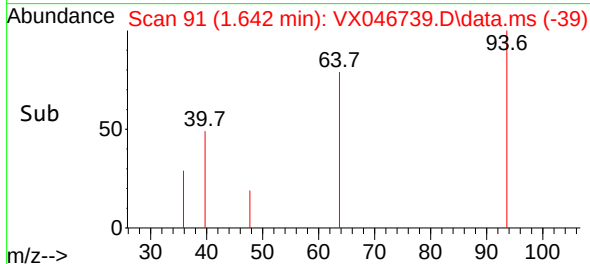
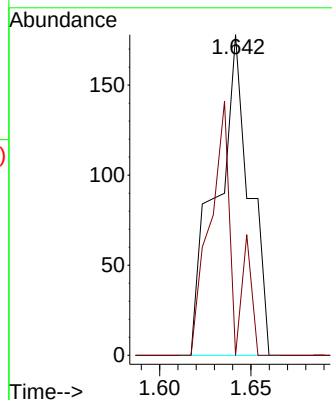
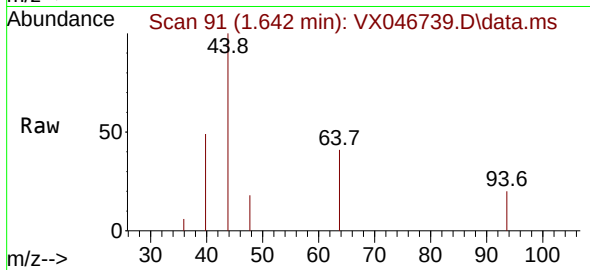




#5
Bromomethane
Concen: 0.235 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

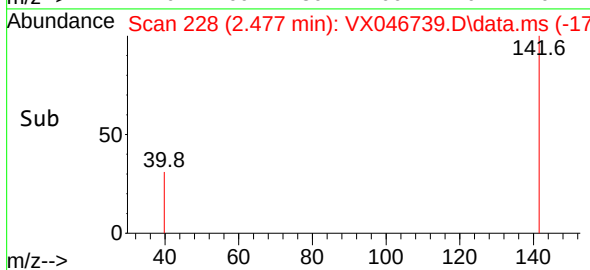
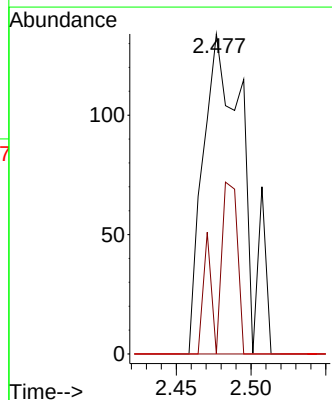
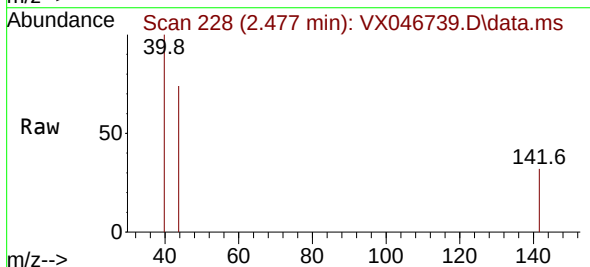
Instrument :
MSVOA_X
ClientSampleId :
BPOW6-5-20250616

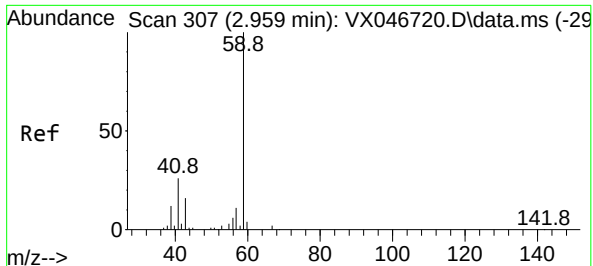
Tgt Ion: 94 Resp: 224
Ion Ratio Lower Upper
94 100
96 0.0 72.3 108.5#



#10
Methyl Iodide
Concen: 4.450 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

Tgt Ion: 142 Resp: 252
Ion Ratio Lower Upper
142 100
127 27.8 37.0 55.6#
141 0.0 11.5 17.3#





#11

Tert butyl alcohol

Concen: 2.043 ug/l

RT: 2.971 min Scan# 307

Delta R.T. 0.012 min

Lab File: VX046739.D

Acq: 18 Jun 2025 13:58

Instrument :

MSVOA_X

ClientSampleId :

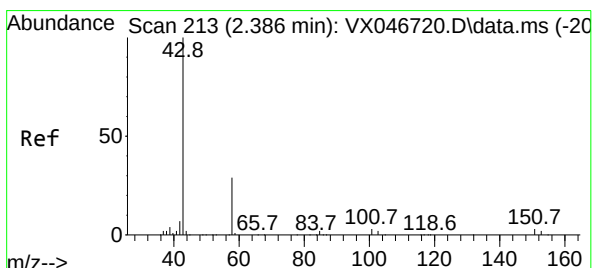
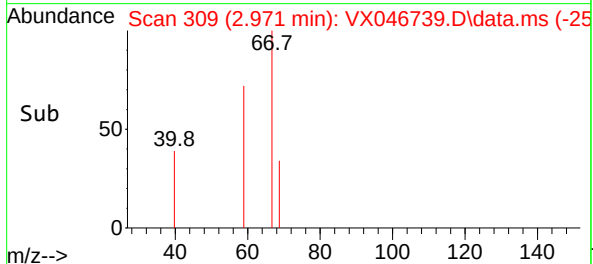
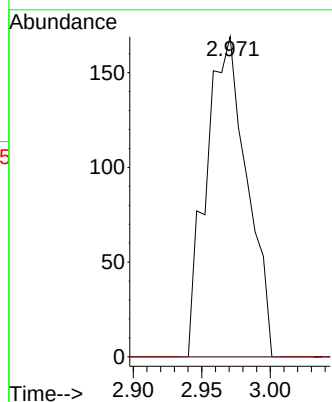
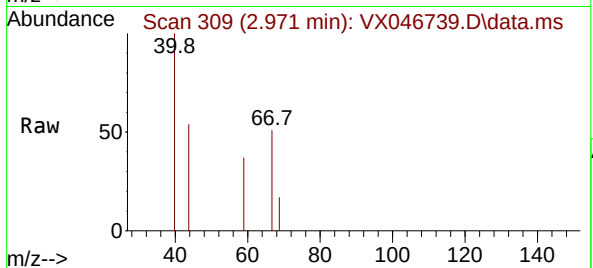
BPOW6-5-20250616

Tgt Ion: 59 Resp: 350

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 1.596 ug/l

RT: 2.391 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX046739.D

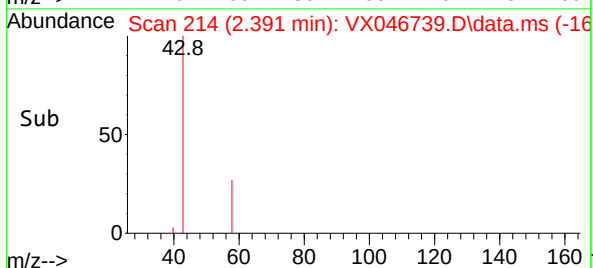
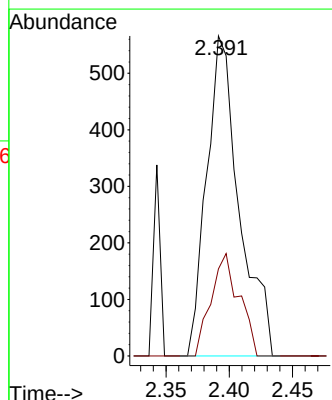
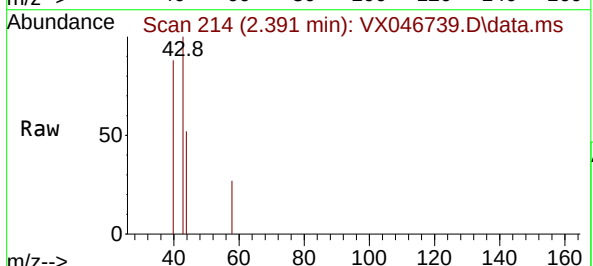
Acq: 18 Jun 2025 13:58

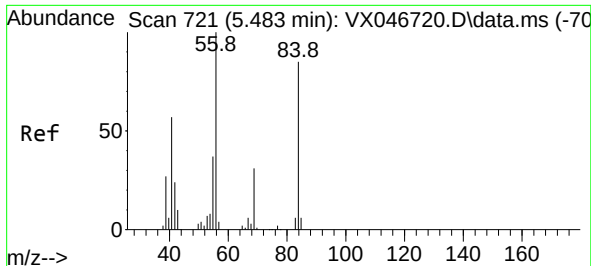
Tgt Ion: 43 Resp: 1016

Ion Ratio Lower Upper

43 100

58 70.6 24.5 36.7#

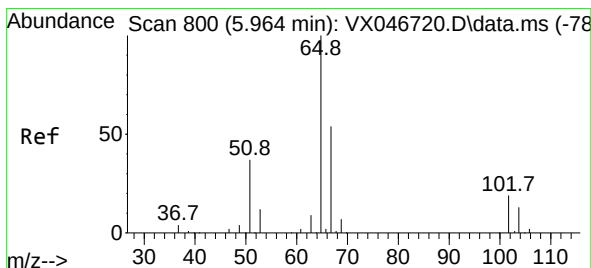
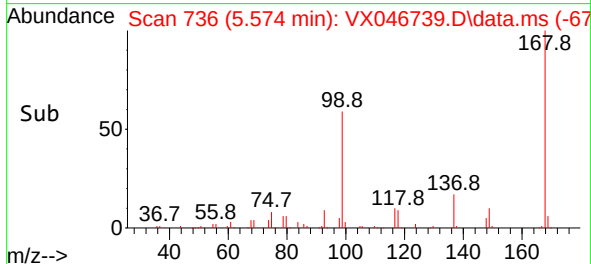
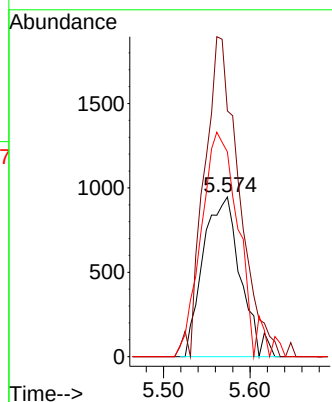
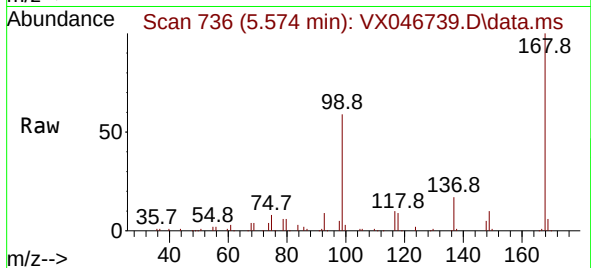




#31
Cyclohexane
Concen: 0.988 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.091 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

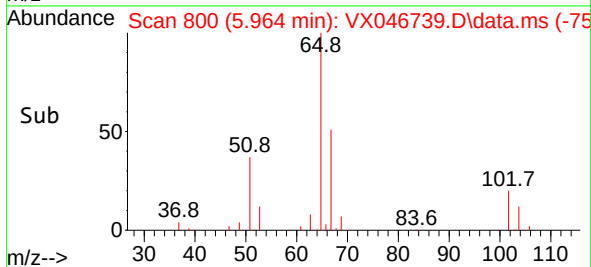
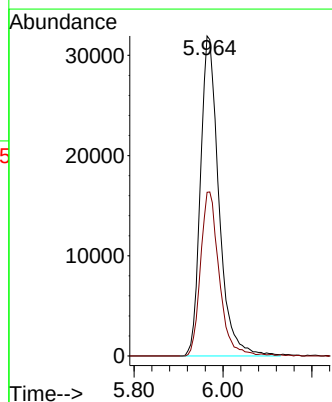
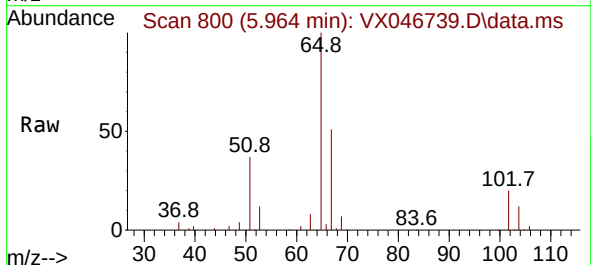
Instrument :
MSVOA_X
ClientSampleId :
BPOW6-5-20250616

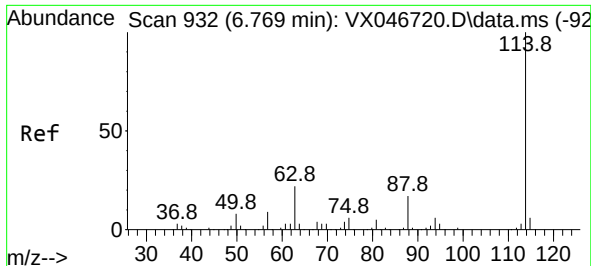
Tgt Ion: 56 Resp: 2824
Ion Ratio Lower Upper
56 100
69 153.9 24.8 37.2#
84 121.6 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 48.244 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

Tgt Ion: 65 Resp: 92104
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.4

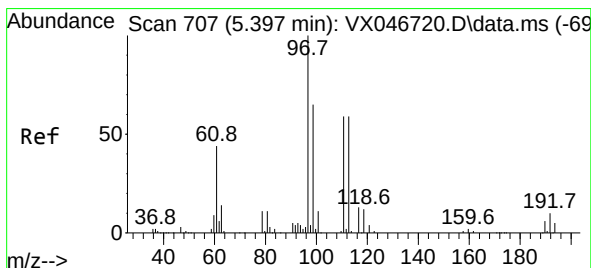
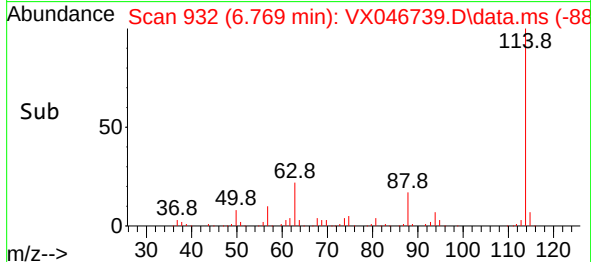
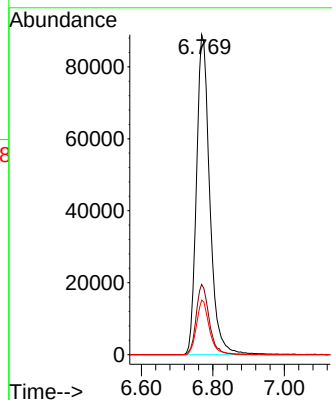
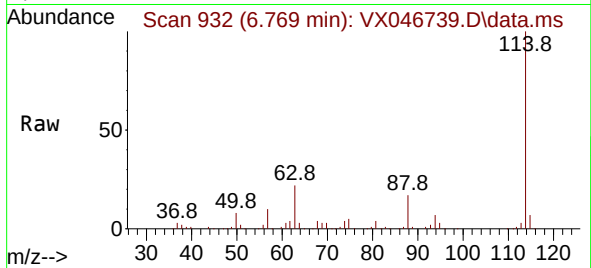




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

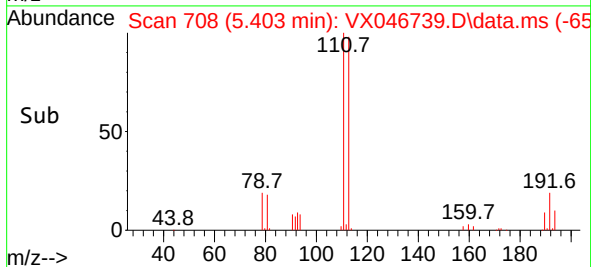
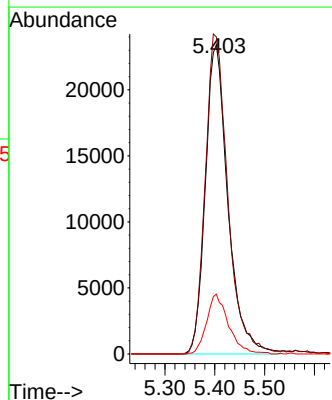
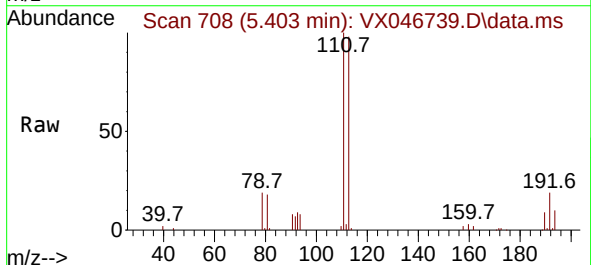
Instrument :
MSVOA_X
ClientSampleId :
BPOW6-5-20250616

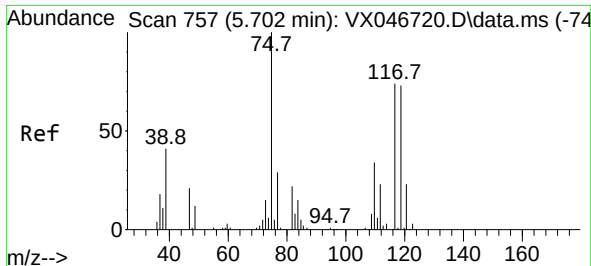
Tgt Ion:114 Resp: 229333
Ion Ratio Lower Upper
114 100
63 21.9 0.0 44.2
88 17.0 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.631 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

Tgt Ion:113 Resp: 73789
Ion Ratio Lower Upper
113 100
111 103.3 82.0 123.0
192 18.7 15.3 22.9

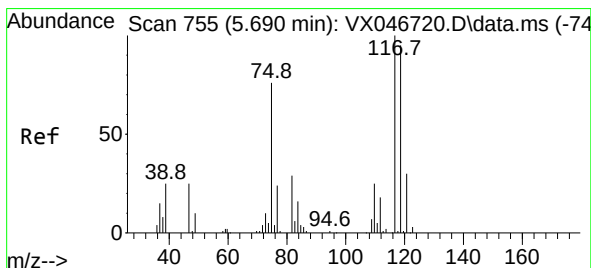
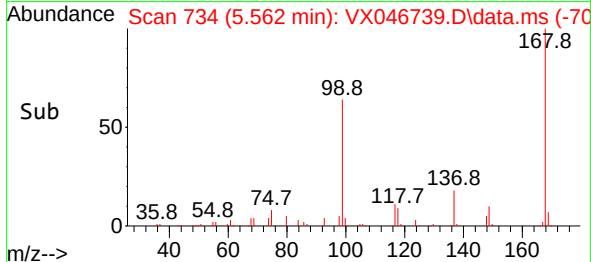
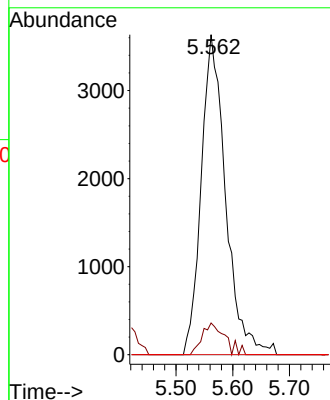
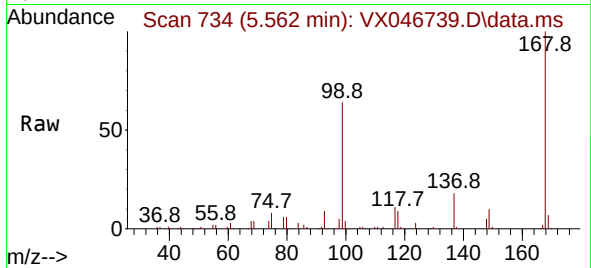




#36
1,1-Dichloropropene
Concen: 4.960 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.141 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

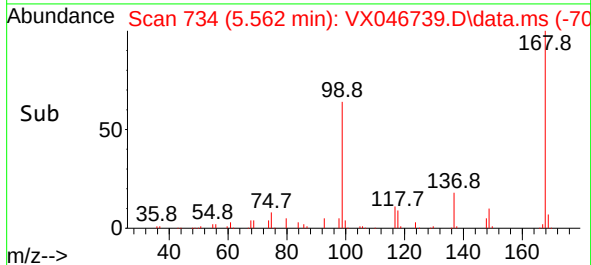
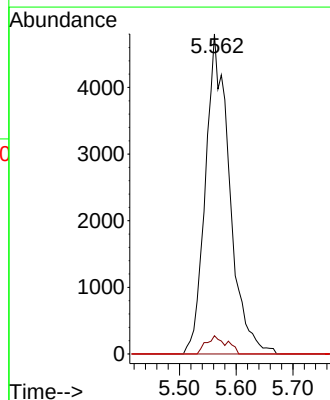
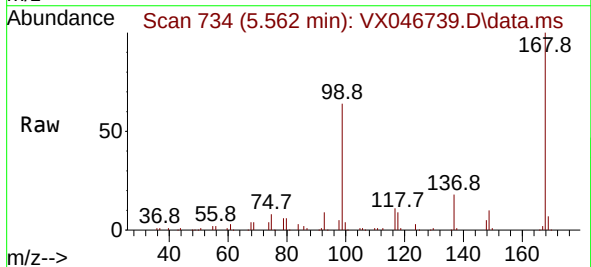
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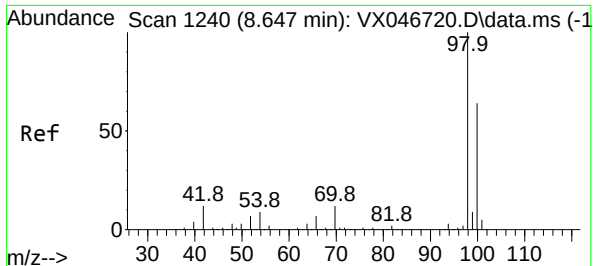
Tgt Ion: 75 Resp: 10864
Ion Ratio Lower Upper
75 100
110 8.4 17.2 51.5#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.960 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

Tgt Ion: 117 Resp: 14167
Ion Ratio Lower Upper
117 100
119 5.7 75.2 112.8#
121 0.0 24.1 36.1#

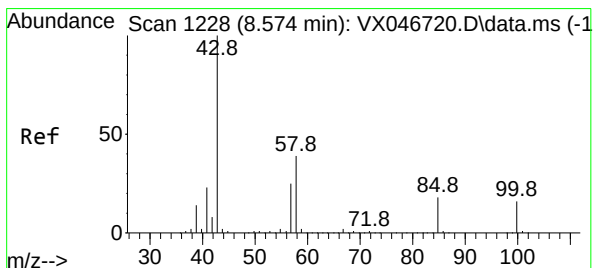
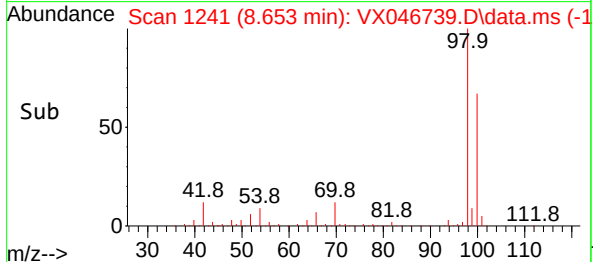
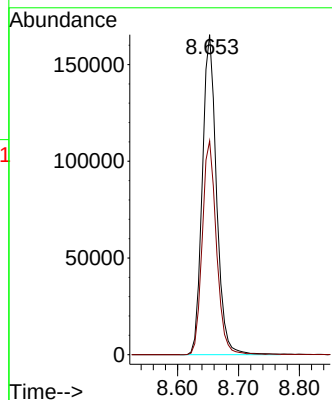
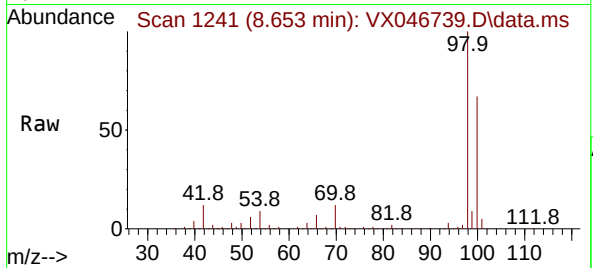




#50
Toluene-d8
Concen: 49.192 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

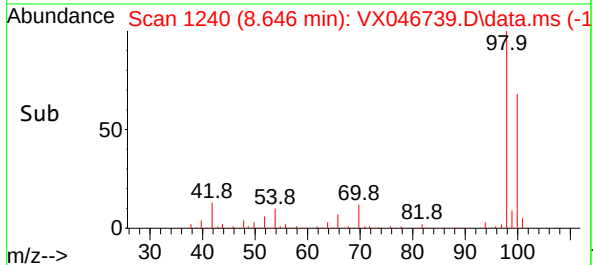
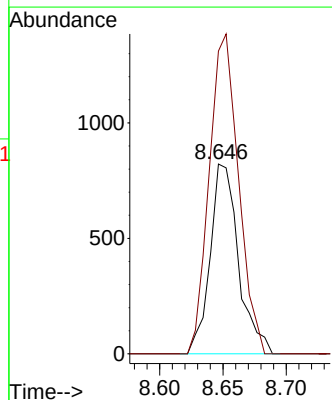
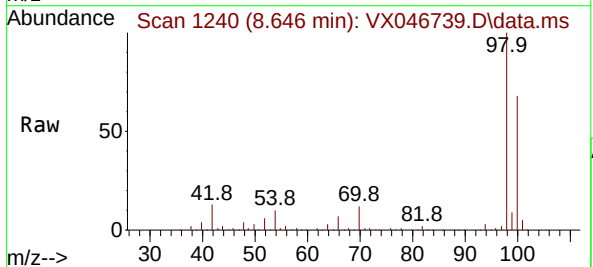
Instrument :
MSVOA_X
ClientSampleId :
BPOW6-5-20250616

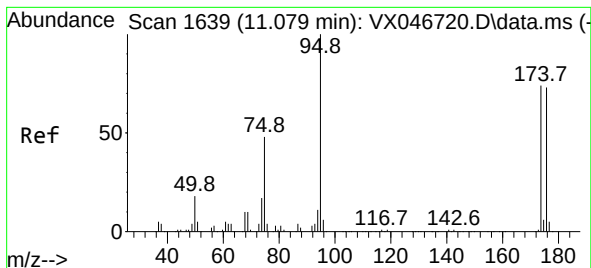
Tgt Ion: 98 Resp: 268168
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.678 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

Tgt Ion: 43 Resp: 1280
Ion Ratio Lower Upper
43 100
58 174.2 30.8 46.2#

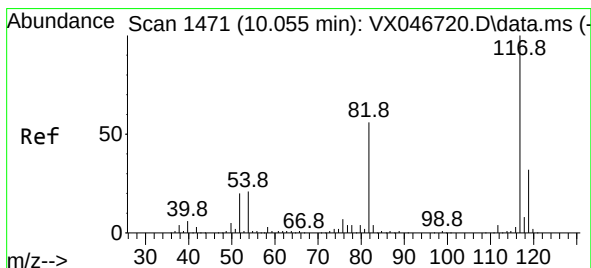
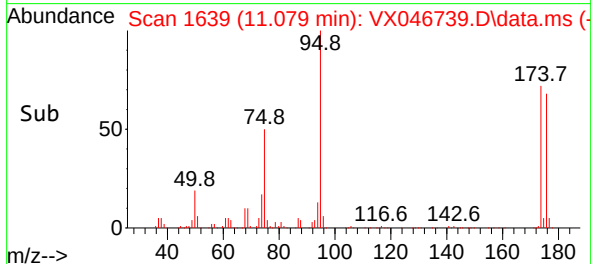
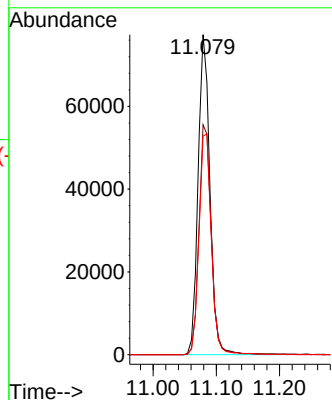
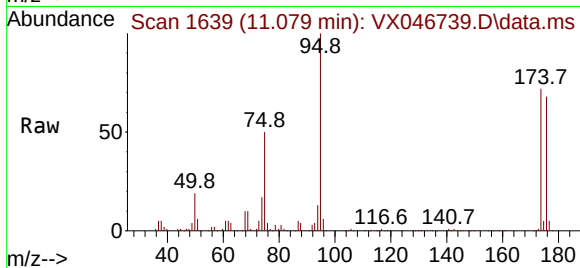




#62
4-Bromofluorobenzene
Concen: 49.720 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

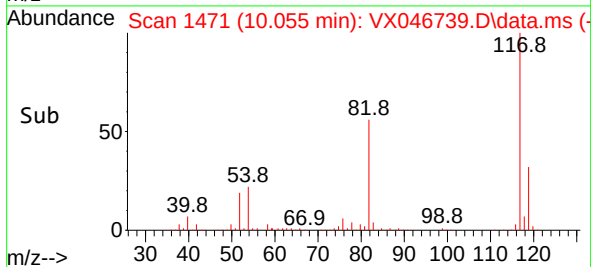
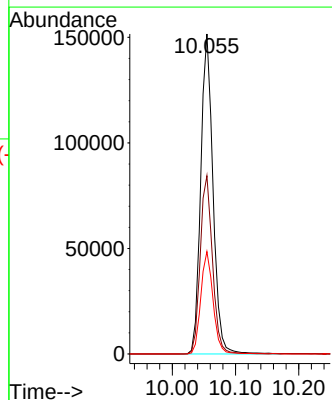
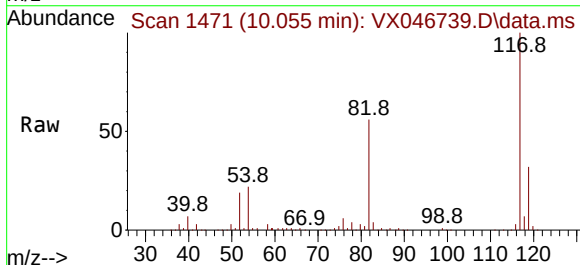
Instrument :
MSVOA_X
ClientSampleId :
BPOW6-5-20250616

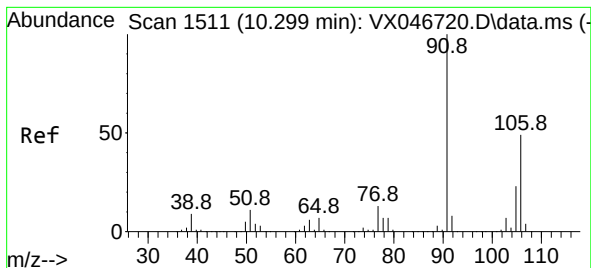
Tgt Ion: 95 Resp: 101037
Ion Ratio Lower Upper
95 100
174 74.8 0.0 150.4
176 72.1 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

Tgt Ion: 117 Resp: 204785
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 32.0 25.8 38.8





#68

m/p-Xylenes

Concen: 0.300 ug/l

RT: 10.311 min Scan# 1513

Delta R.T. 0.012 min

Lab File: VX046739.D

Acq: 18 Jun 2025 13:58

Instrument :

MSVOA_X

ClientSampleId :

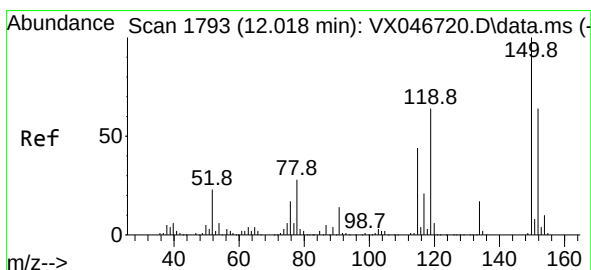
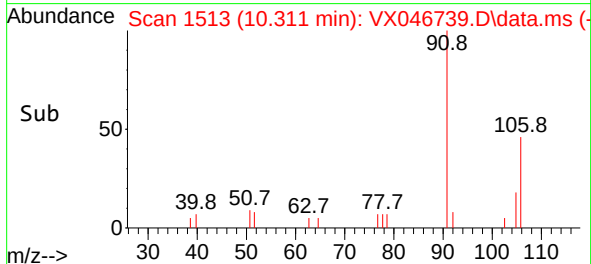
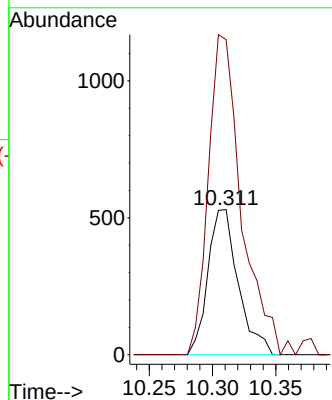
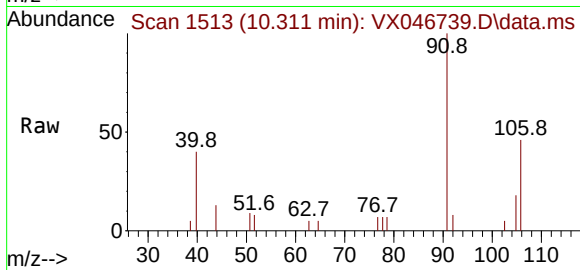
BPOW6-5-20250616

Tgt Ion:106 Resp: 883

Ion Ratio Lower Upper

106 100

91 241.3 164.8 247.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046739.D

Acq: 18 Jun 2025 13:58

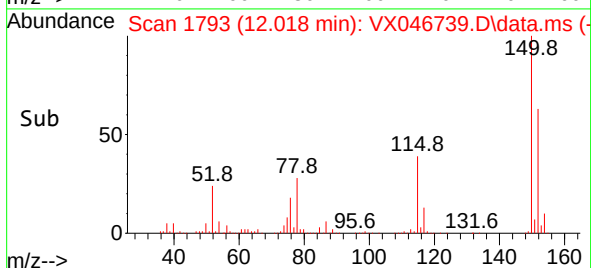
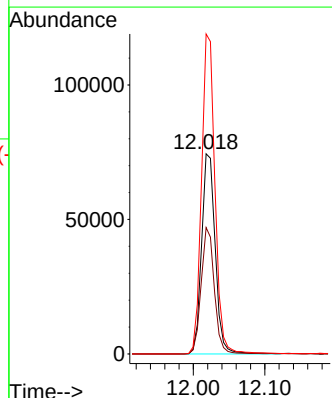
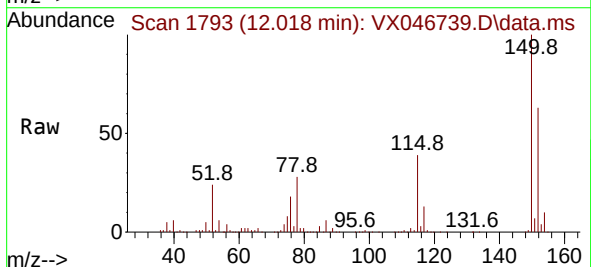
Tgt Ion:152 Resp: 98514

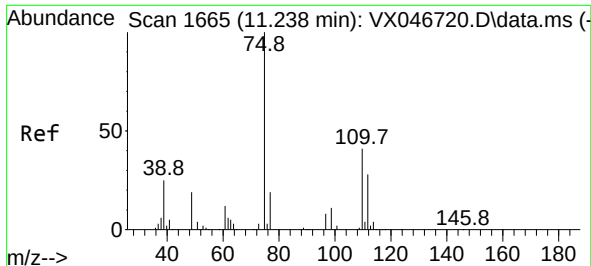
Ion Ratio Lower Upper

152 100

115 61.2 43.2 129.6

150 157.7 0.0 346.8

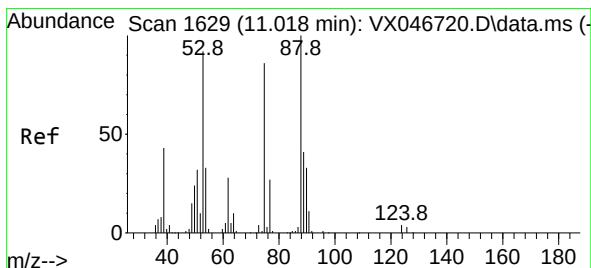
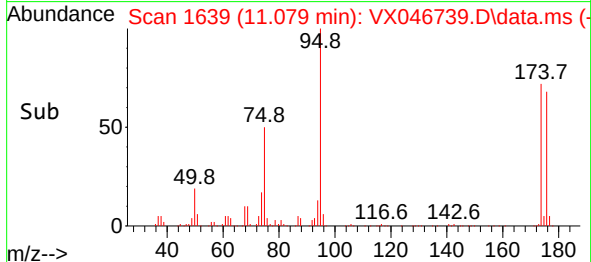
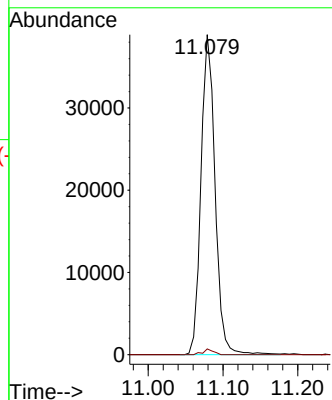
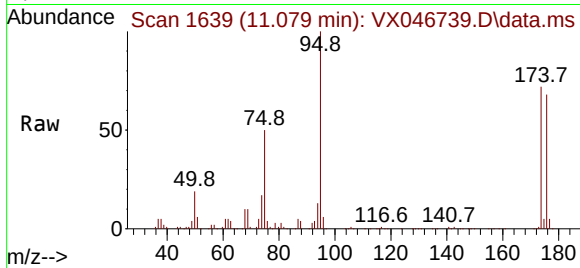




#76
1,2,3-Trichloropropane
Concen: 28.220 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
BPOW6-5-20250616

Tgt Ion: 75 Resp: 50918
Ion Ratio Lower Upper
75 100
77 1.3 18.5 55.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.767 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.060 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

Tgt Ion: 75 Resp: 50918
Ion Ratio Lower Upper
75 100
53 0.0 86.8 130.2#
89 0.0 36.9 55.3#

