

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046939.D
 Acq On : 10 Jul 2025 13:18
 Operator : JC/MD
 Sample : Q2553-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Jul 11 01:29:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

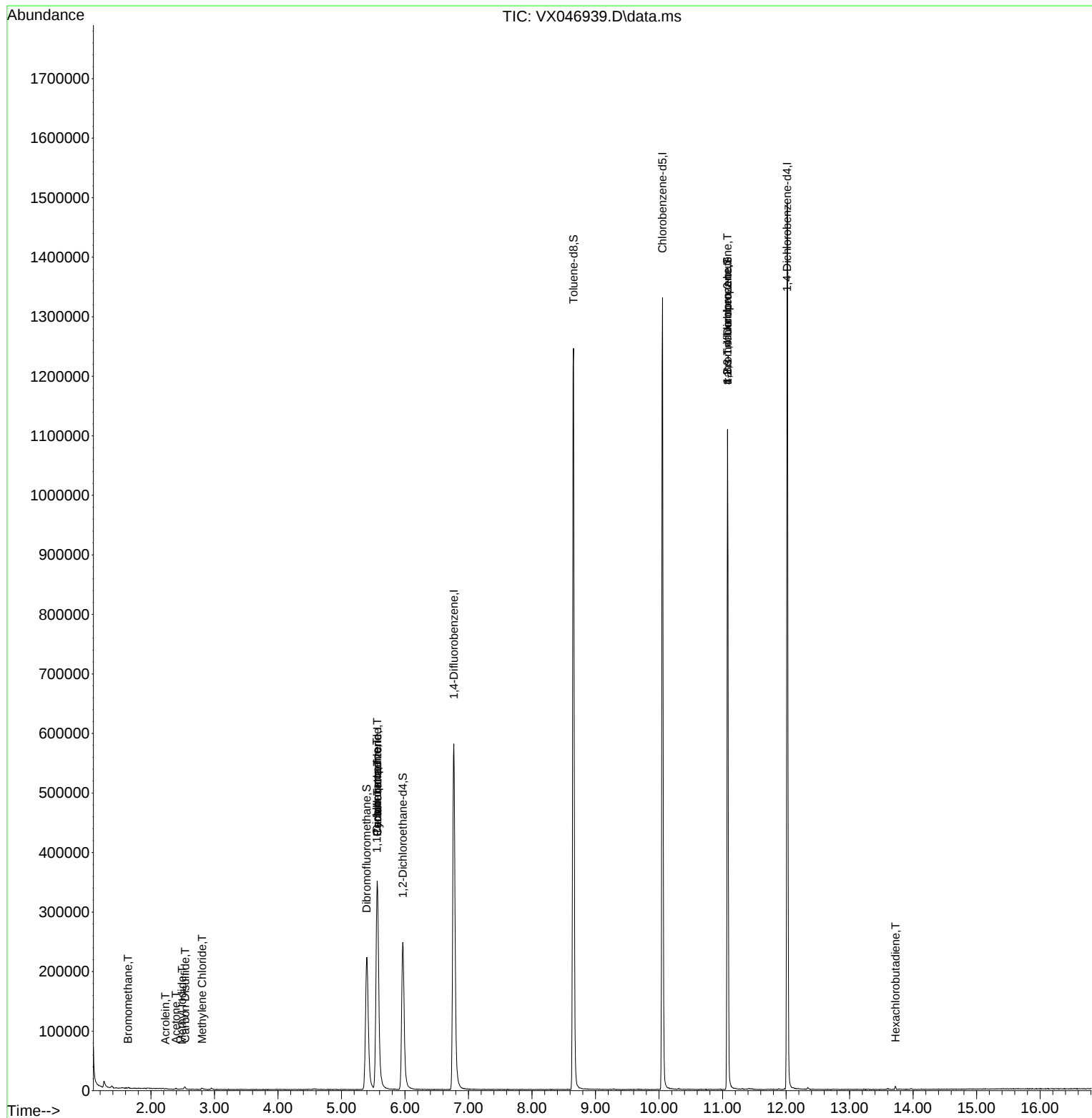
Internal Standards						
1) Pentafluorobenzene	5.562	168	354436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	642674	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	599480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	308124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	255734	54.615	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.240%			
35) Dibromofluoromethane	5.397	113	213280	48.890	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.780%			
50) Toluene-d8	8.653	98	772213	50.170	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.340%			
62) 4-Bromofluorobenzene	11.079	95	302008	51.627	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.260%			
Target Compounds						Qvalue
5) Bromomethane	1.636	94	633	0.244	ug/l	93
10) Methyl Iodide	2.489	142	1362	0.315	ug/l #	66
13) Acrolein	2.227	56	19	2.890	ug/l #	15
16) Acetone	2.392	43	1547	1.064	ug/l #	42
17) Carbon Disulfide	2.538	76	4300	0.427	ug/l #	74
20) Methylene Chloride	2.806	84	995	0.231	ug/l #	68
31) Cyclohexane	5.562	56	7729	1.155	ug/l #	10
36) 1,1-Dichloropropene	5.556	75	28802	4.893	ug/l #	50
38) Carbon Tetrachloride	5.562	117	36553	5.874	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	153165	32.171	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	153165	86.331	ug/l #	8
94) Hexachlorobutadiene	13.725	225	914	0.365	ug/l	98

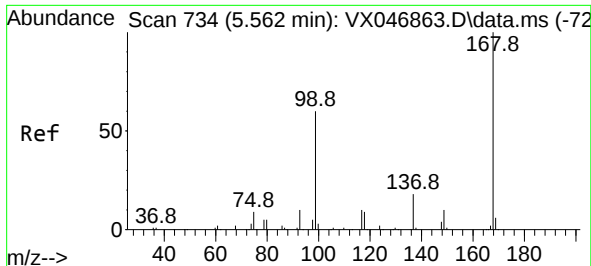
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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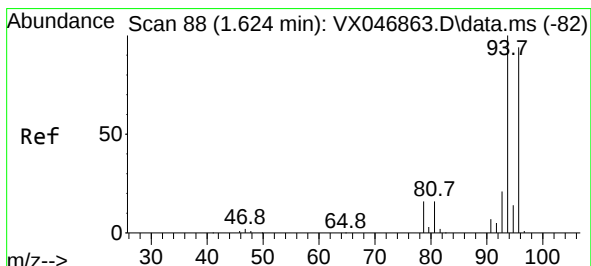
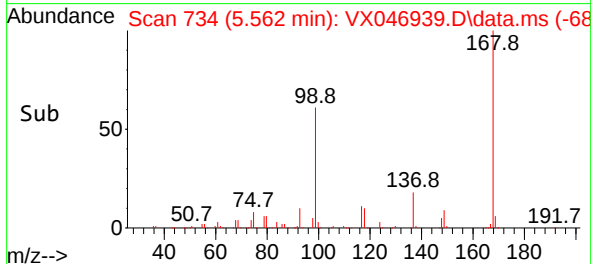
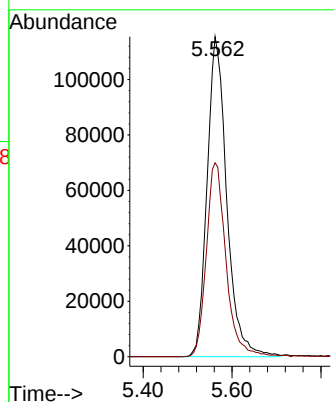
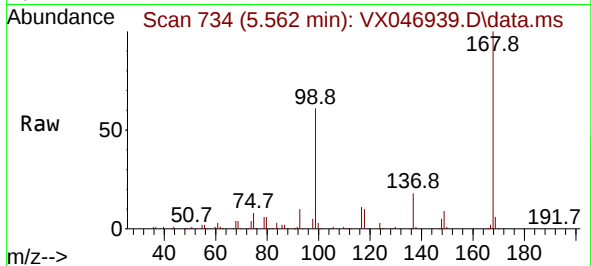




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046939.D
Acq: 10 Jul 2025 13:18

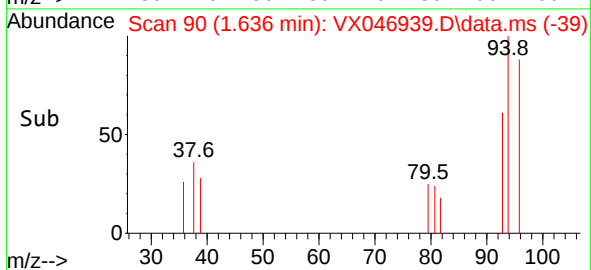
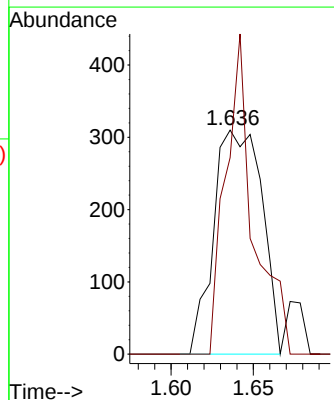
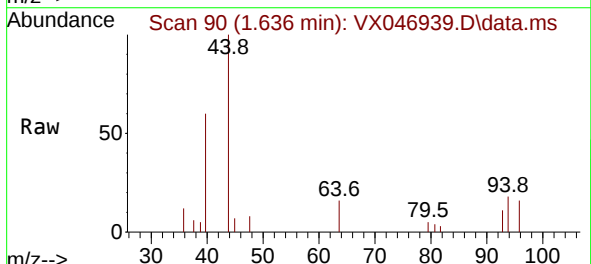
Instrument :
MSVOA_X
ClientSampleId :
TB

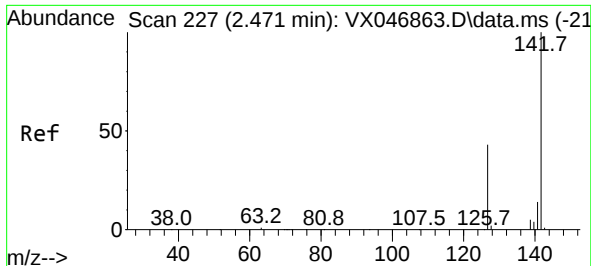
Tgt Ion:168 Resp: 354436
Ion Ratio Lower Upper
168 100
99 60.6 48.8 73.2



#5
Bromomethane
Concen: 0.244 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046939.D
Acq: 10 Jul 2025 13:18

Tgt Ion: 94 Resp: 633
Ion Ratio Lower Upper
94 100
96 87.7 75.5 113.3

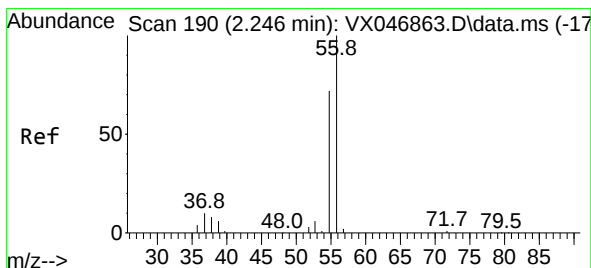
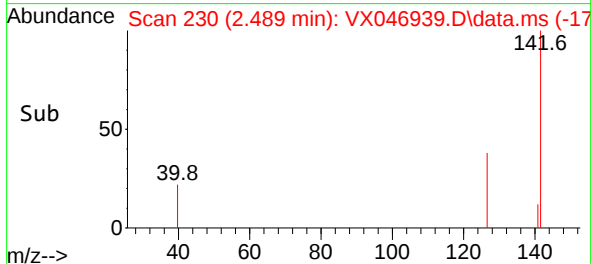
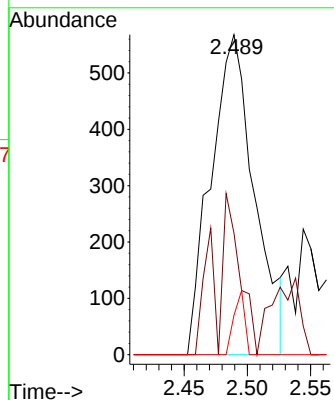
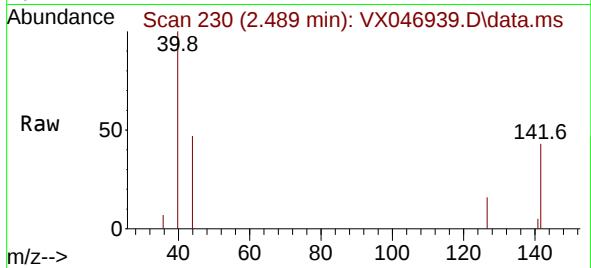




#10
Methyl Iodide
Concen: 0.315 ug/l
RT: 2.489 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX046939.D
Acq: 10 Jul 2025 13:18

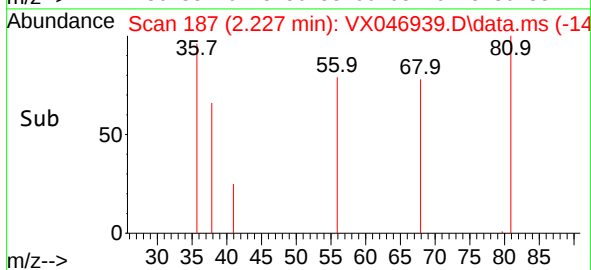
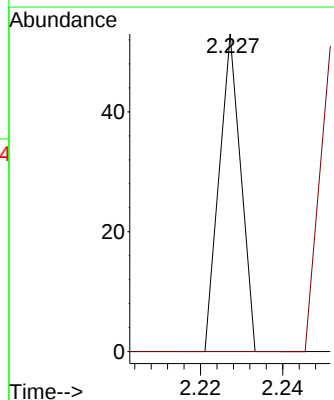
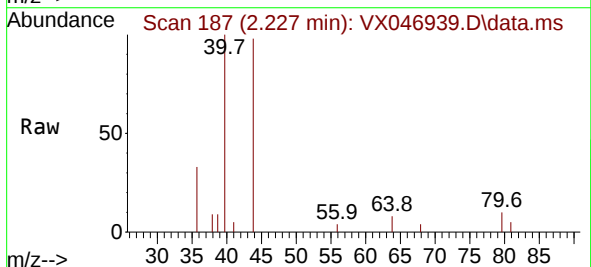
Instrument :
MSVOA_X
ClientSampleId :
TB

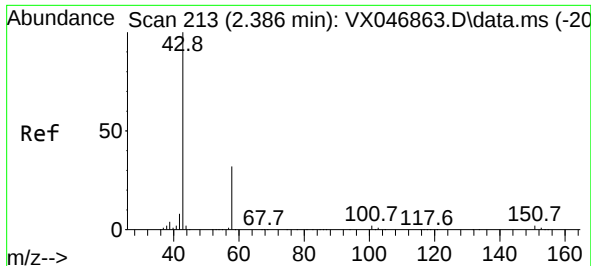
Tgt Ion:142 Resp: 1362
Ion Ratio Lower Upper
142 100
127 19.5 34.9 52.3#
141 4.9 11.1 16.7#



#13
Acrolein
Concen: 2.890 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.019 min
Lab File: VX046939.D
Acq: 10 Jul 2025 13:18

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#

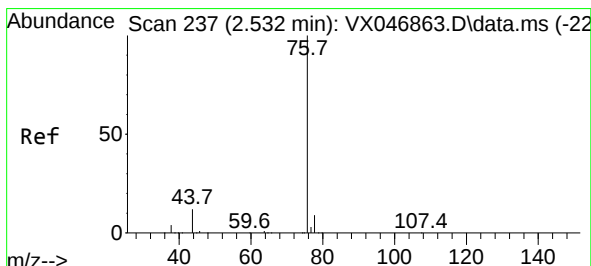
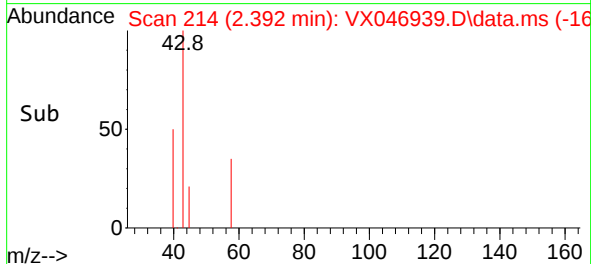
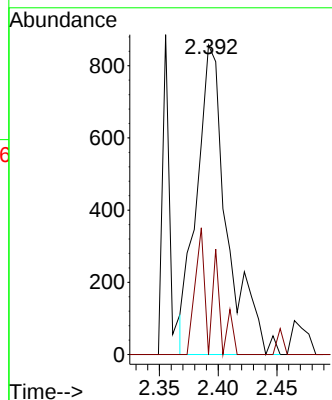
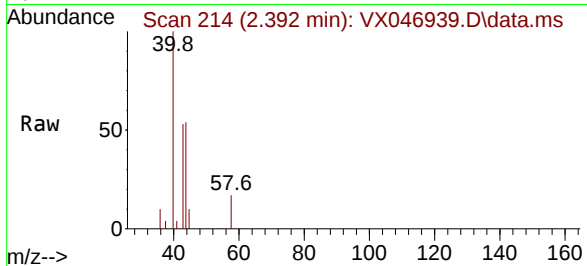




#16
Acetone
Concen: 1.064 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046939.D
Acq: 10 Jul 2025 13:18

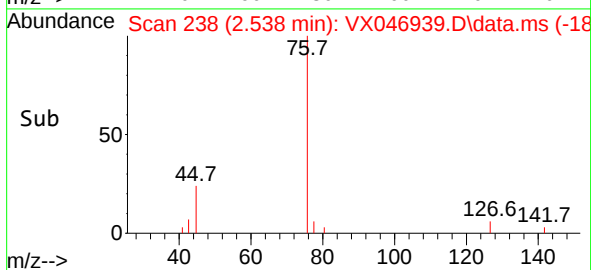
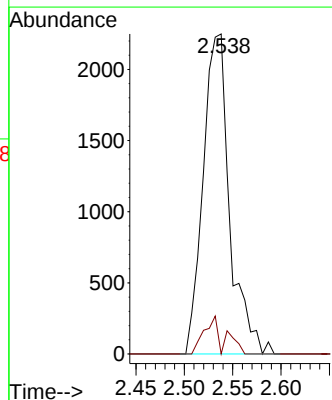
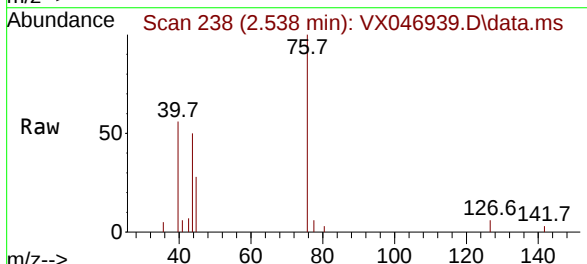
Instrument :
MSVOA_X
ClientSampleId :
TB

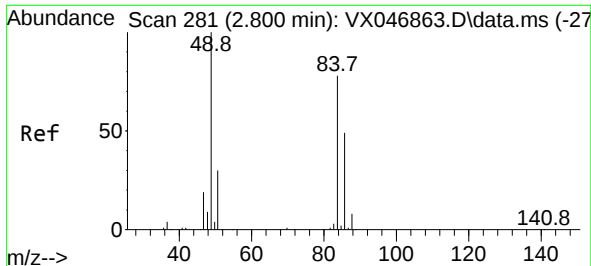
Tgt Ion: 43 Resp: 1547
Ion Ratio Lower Upper
43 100
58 0.0 25.8 38.6#



#17
Carbon Disulfide
Concen: 0.427 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX046939.D
Acq: 10 Jul 2025 13:18

Tgt Ion: 76 Resp: 4300
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

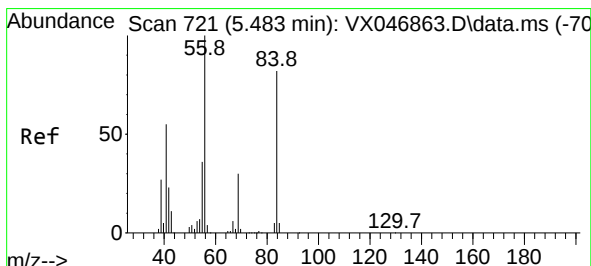
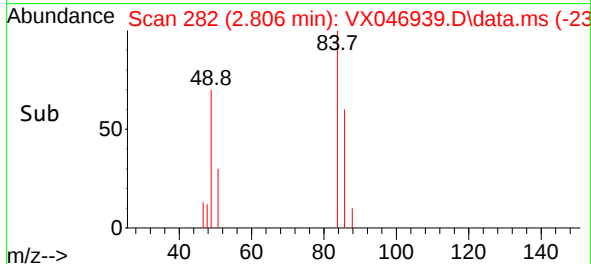
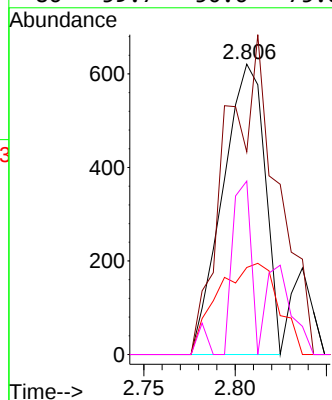
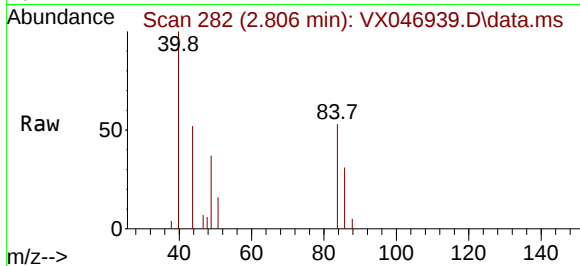




#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046939.D
Acq: 10 Jul 2025 13:18

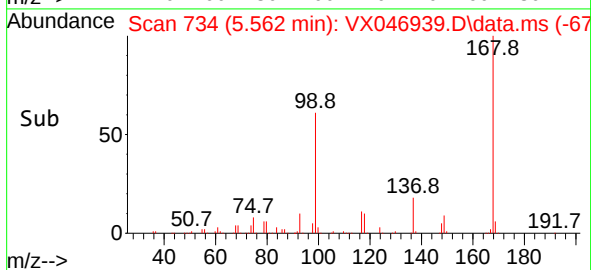
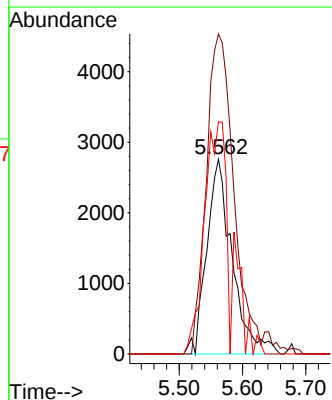
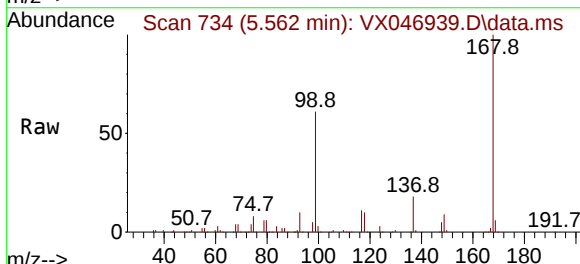
Instrument :
MSVOA_X
ClientSampleId :
TB

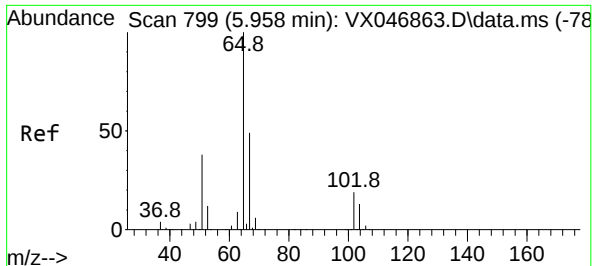
Tgt Ion:	84	Resp:	995
Ion	Ratio	Lower	Upper
84	100		
49	69.7	102.8	154.2#
51	30.0	31.1	46.7#
86	59.7	50.6	75.8



#31
Cyclohexane
Concen: 1.155 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX046939.D
Acq: 10 Jul 2025 13:18

Tgt Ion:	56	Resp:	7729
Ion	Ratio	Lower	Upper
56	100		
69	159.9	24.0	36.0#
84	116.0	66.5	99.7#





#33

1,2-Dichloroethane-d4

Concen: 54.615 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX046939.D

Acq: 10 Jul 2025 13:18

Instrument :

MSVOA_X

ClientSampleId :

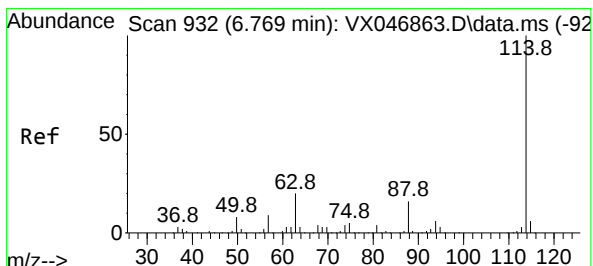
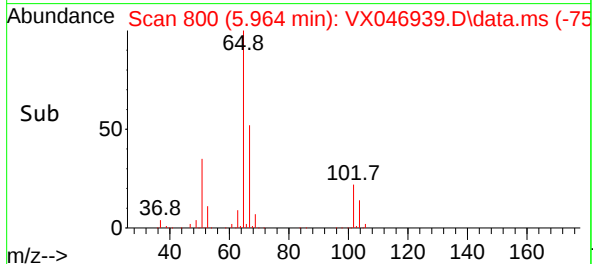
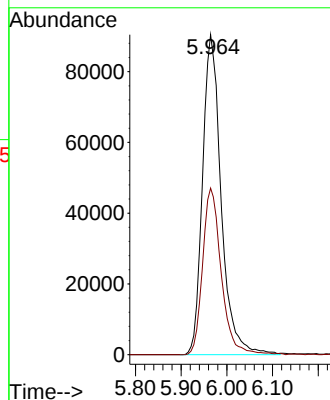
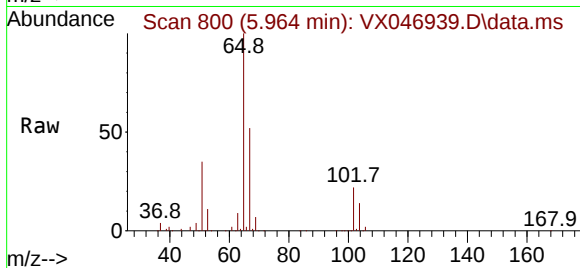
TB

Tgt Ion: 65 Resp: 255734

Ion Ratio Lower Upper

65 100

67 52.0 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX046939.D

Acq: 10 Jul 2025 13:18

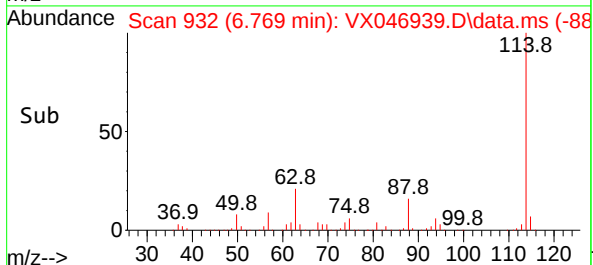
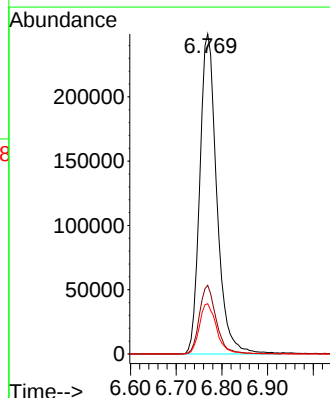
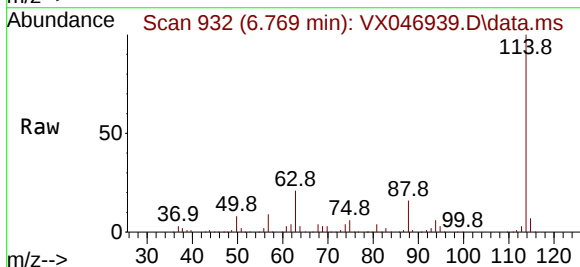
Tgt Ion: 114 Resp: 642674

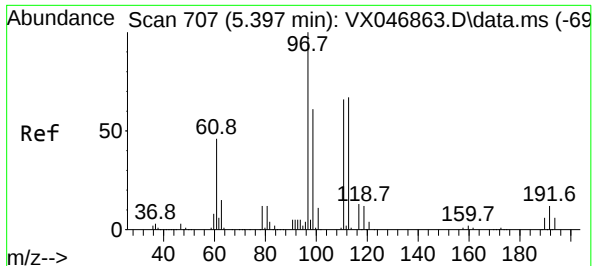
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.4

88 15.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.890 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046939.D

Acq: 10 Jul 2025 13:18

Instrument :

MSVOA_X

ClientSampleId :

TB

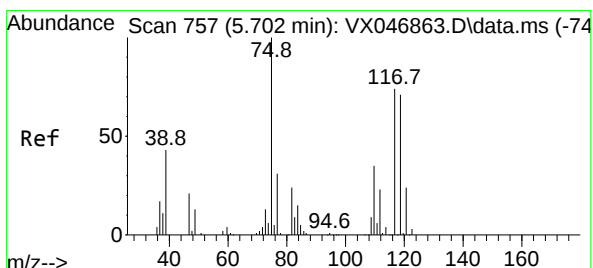
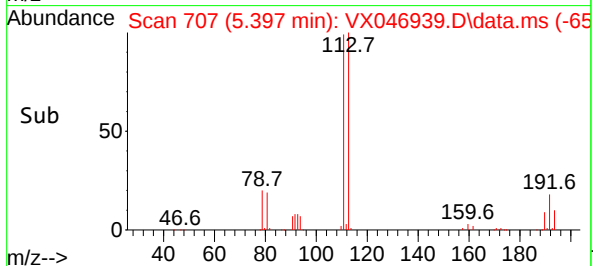
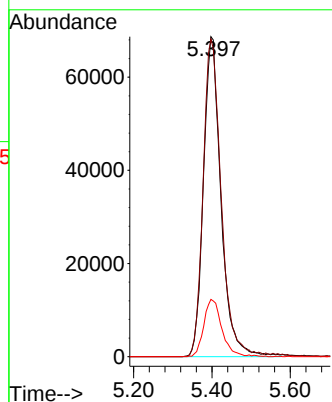
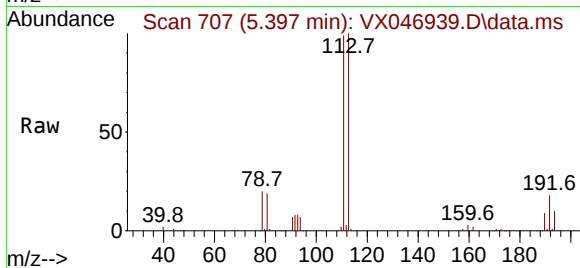
Tgt Ion:113 Resp: 213280

Ion Ratio Lower Upper

113 100

111 102.2 81.2 121.8

192 18.3 15.3 22.9



#36

1,1-Dichloropropene

Concen: 4.893 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX046939.D

Acq: 10 Jul 2025 13:18

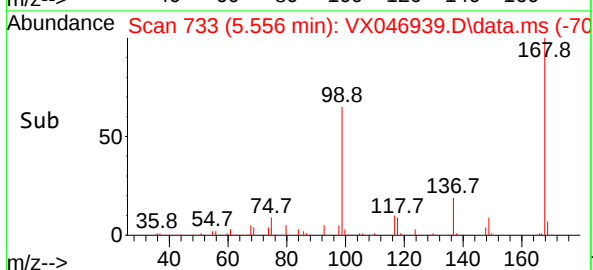
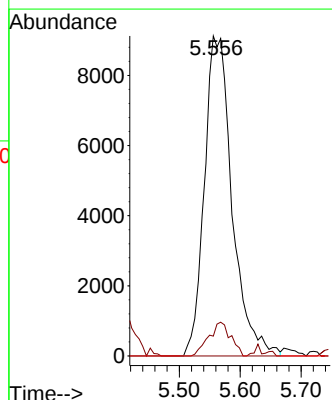
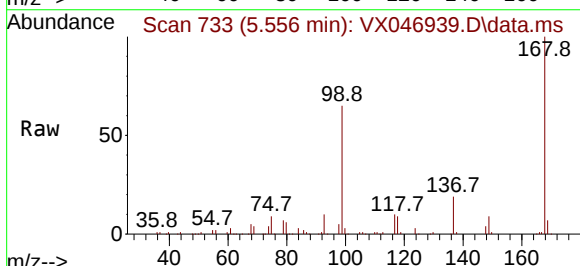
Tgt Ion: 75 Resp: 28802

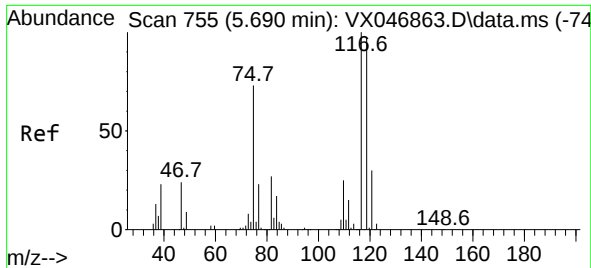
Ion Ratio Lower Upper

75 100

110 8.4 17.3 51.9#

77 0.0 24.2 36.4#

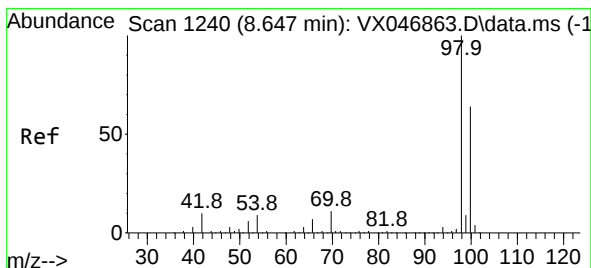
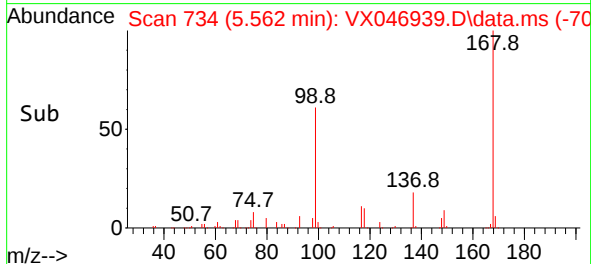
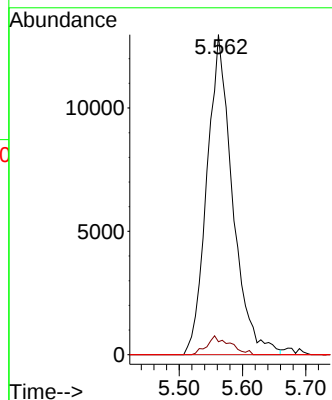
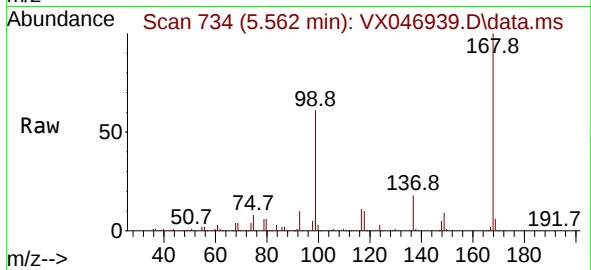




#38
Carbon Tetrachloride
Concen: 5.874 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046939.D
Acq: 10 Jul 2025 13:18

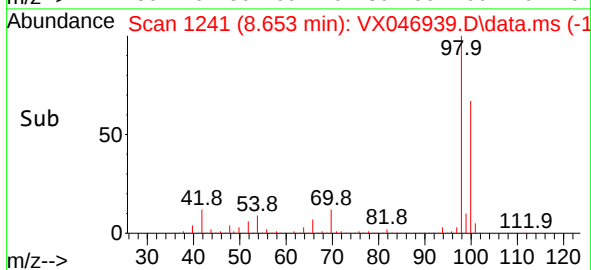
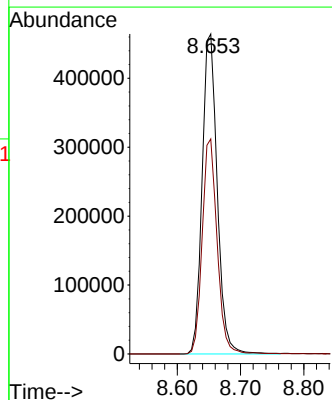
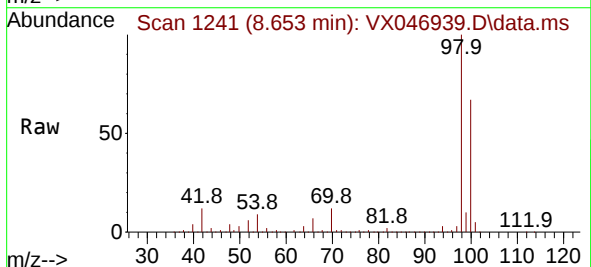
Instrument :
MSVOA_X
ClientSampleId :
TB

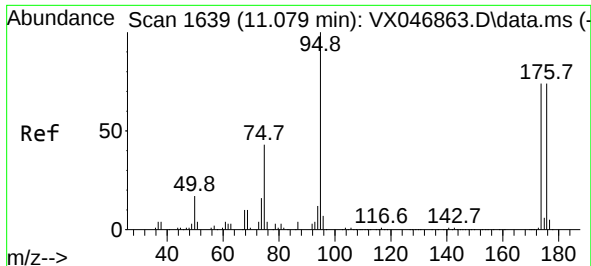
Tgt Ion:117 Resp: 36553
Ion Ratio Lower Upper
117 100
119 4.1 76.6 114.8#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 50.170 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046939.D
Acq: 10 Jul 2025 13:18

Tgt Ion: 98 Resp: 772213
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.6

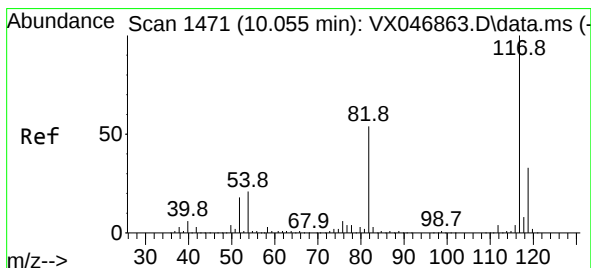
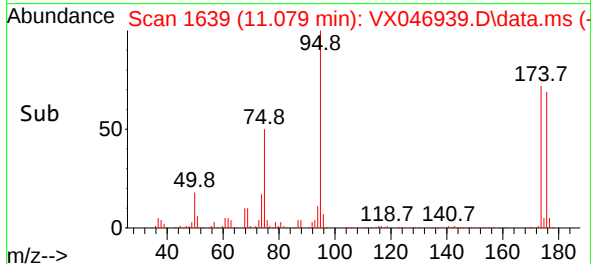
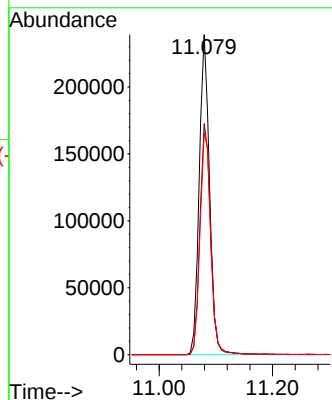
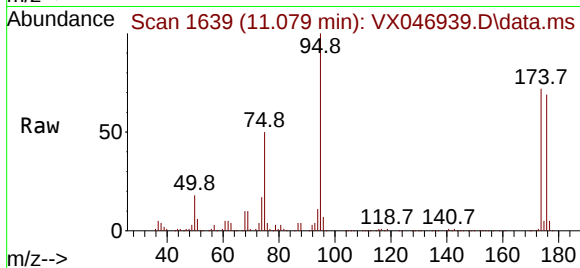




#62
4-Bromofluorobenzene
Concen: 51.627 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046939.D
Acq: 10 Jul 2025 13:18

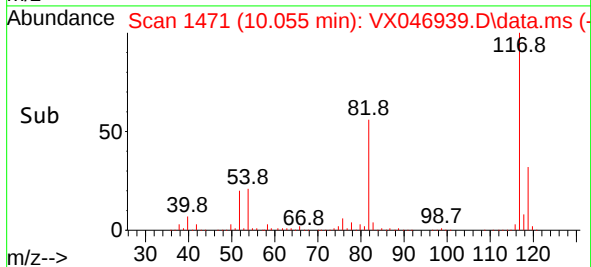
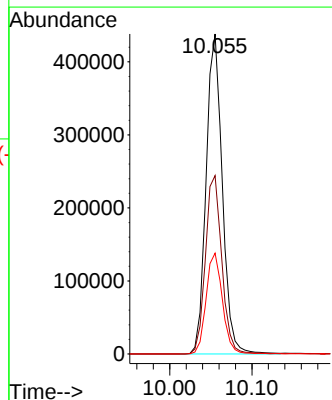
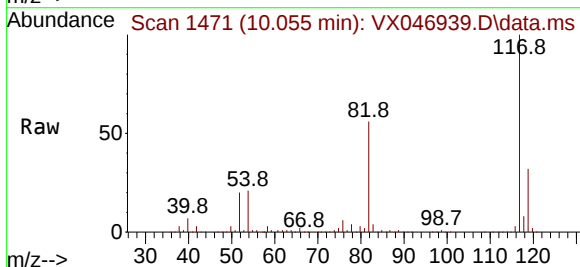
Instrument :
MSVOA_X
ClientSampleId :
TB

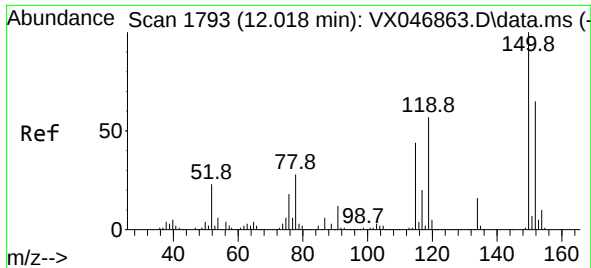
Tgt Ion: 95 Resp: 302008
Ion Ratio Lower Upper
95 100
174 75.1 0.0 152.0
176 72.1 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046939.D
Acq: 10 Jul 2025 13:18

Tgt Ion: 117 Resp: 599480
Ion Ratio Lower Upper
117 100
82 55.7 43.3 64.9
119 31.5 26.4 39.6

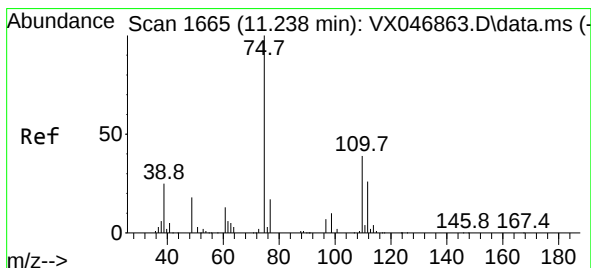
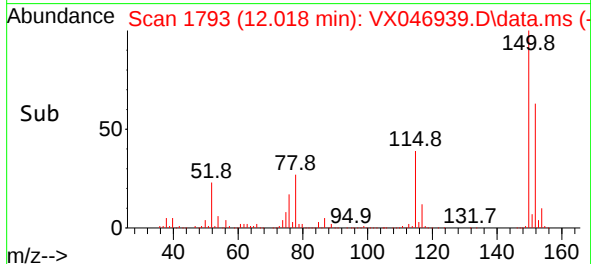
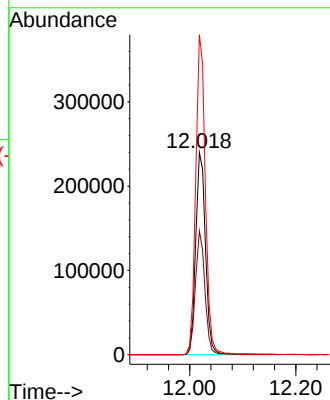
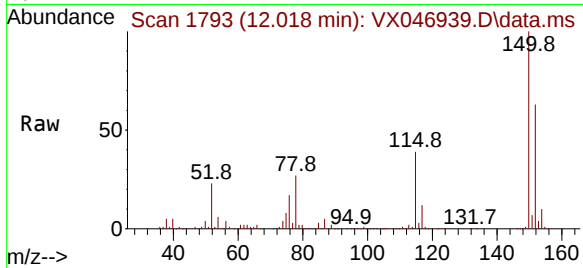




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046939.D
 Acq: 10 Jul 2025 13:18

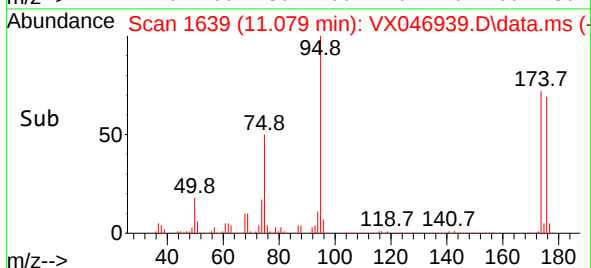
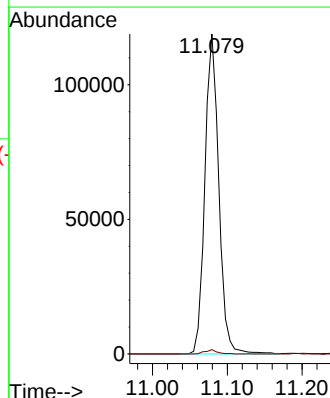
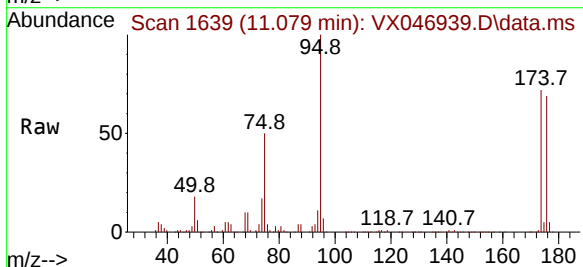
Instrument :
 MSVOA_X
 ClientSampleId :
 TB

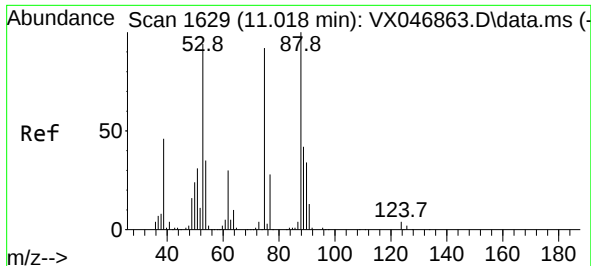
Tgt Ion:152 Resp: 308124
 Ion Ratio Lower Upper
 152 100
 115 59.5 42.4 127.1
 150 155.2 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 32.171 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046939.D
 Acq: 10 Jul 2025 13:18

Tgt Ion: 75 Resp: 153165
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.6 61.8#

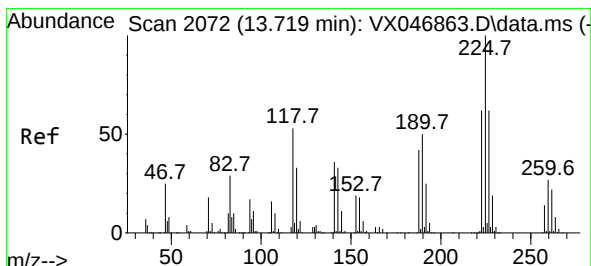
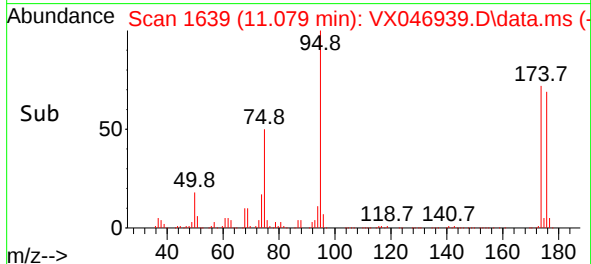
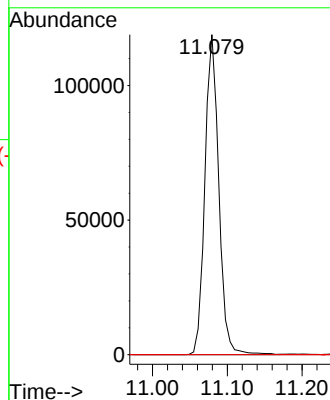
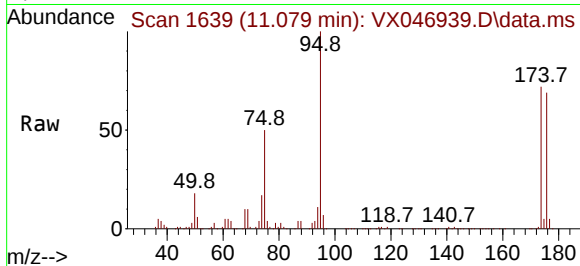




#81
trans-1,4-Dichloro-2-butene
Concen: 86.331 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046939.D
Acq: 10 Jul 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion: 75 Resp: 153165
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#



#94
Hexachlorobutadiene
Concen: 0.365 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046939.D
Acq: 10 Jul 2025 13:18

Tgt Ion: 225 Resp: 914
Ion Ratio Lower Upper
225 100
223 62.1 31.6 94.7
227 60.4 31.6 94.7

