

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063025\
 Data File : VX046839.D
 Acq On : 30 Jun 2025 14:09
 Operator : JC/MD
 Sample : Q2371-05DL 2500X
 Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BBX42025DL

Quant Time: Jul 01 05:31:21 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)

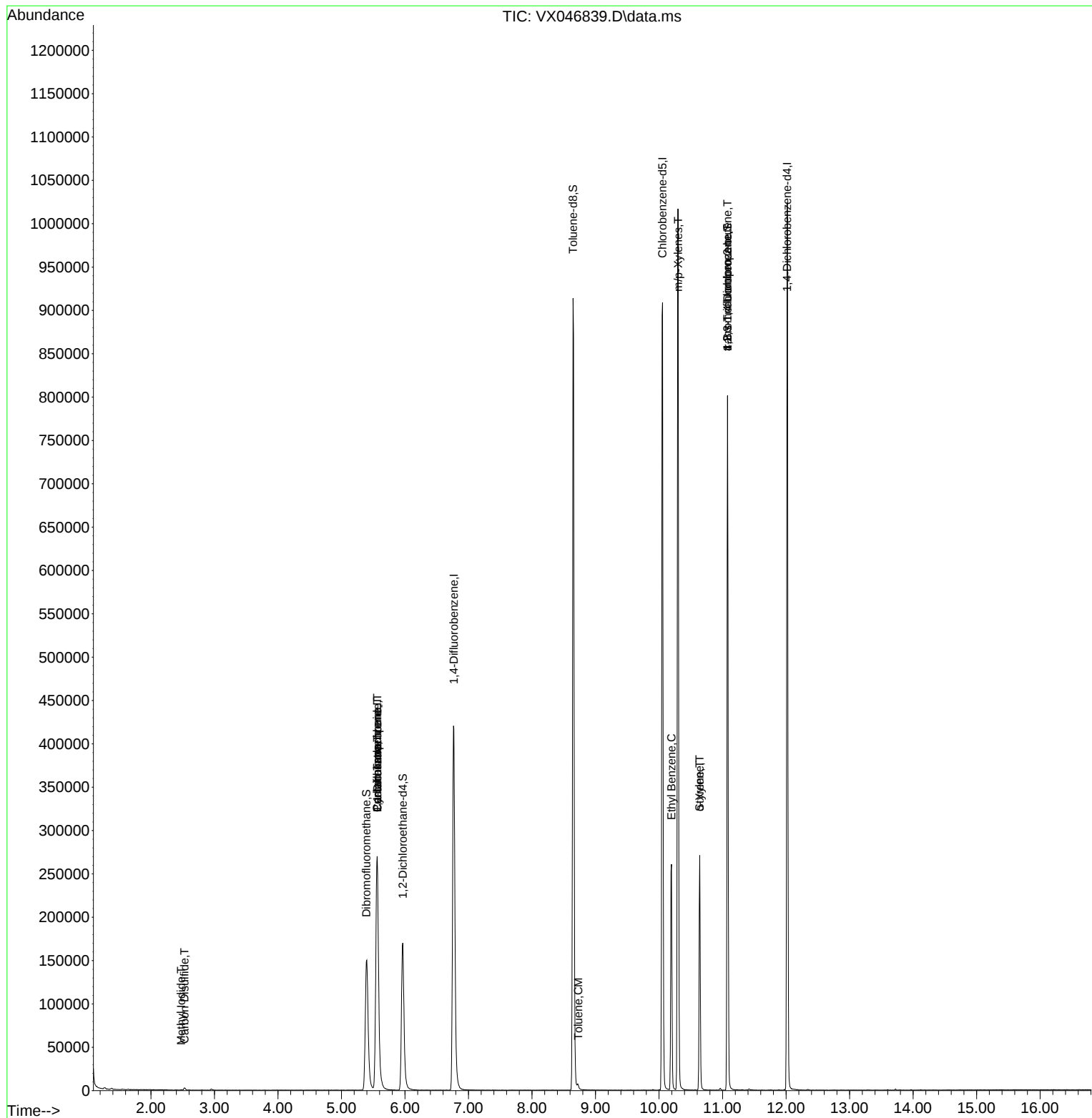
Internal Standards						
1) Pentafluorobenzene	5.562	168	283015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	469626	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	423279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	206868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	175771	44.901	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.800%		
35) Dibromofluoromethane	5.391	113	147231	47.384	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.760%		
50) Toluene-d8	8.647	98	553559	49.587	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.180%		
62) 4-Bromofluorobenzene	11.079	95	207870	49.953	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.900%		
Target Compounds			Qvalue			
10) Methyl Iodide	2.477	142	411	4.426	ug/l #	71
17) Carbon Disulfide	2.526	76	3712	0.393	ug/l	97
31) Cyclohexane	5.562	56	5770	0.984	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	21836	4.868	ug/l #	50
38) Carbon Tetrachloride	5.562	117	28416	5.838	ug/l #	17
52) Toluene	8.726	92	2251	0.274	ug/l	96
67) Ethyl Benzene	10.195	91	157805	9.666	ug/l	100
68) m/p-Xylenes	10.299	106	230765	37.935	ug/l	99
69) o-Xylene	10.640	106	55991	9.821	ug/l	100
70) Styrene	10.640	104	3105	0.311	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	105345	27.804	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	105345	78.590	ug/l #	7

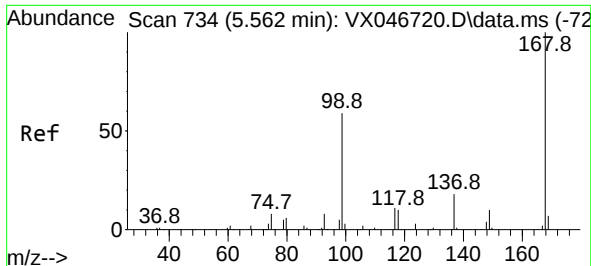
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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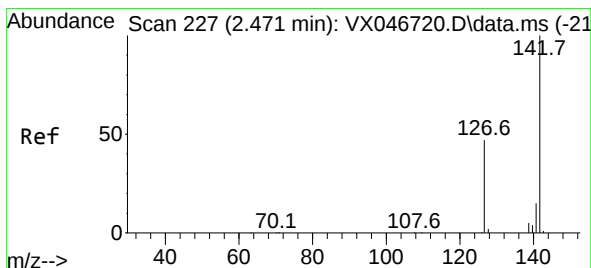
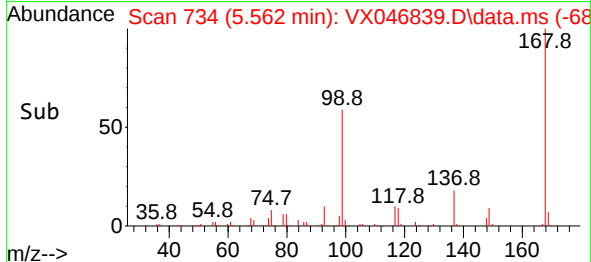
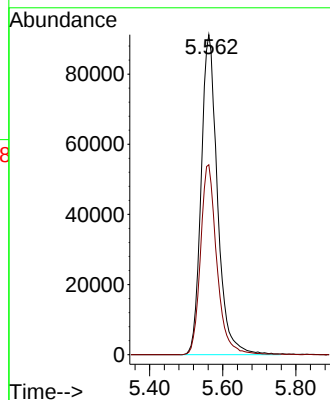
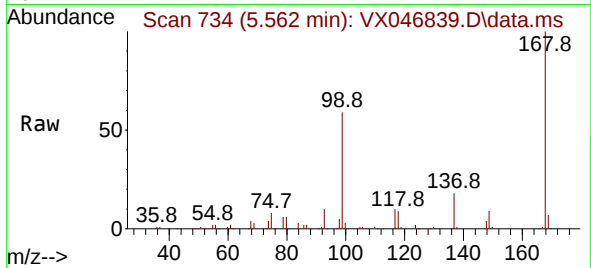




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046839.D
Acq: 30 Jun 2025 14:09

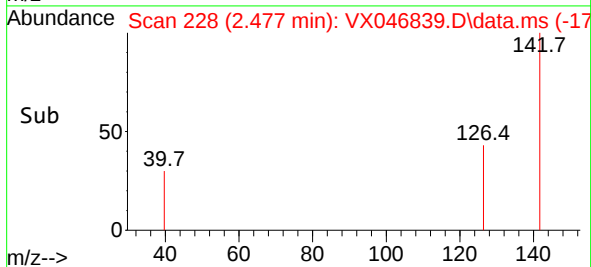
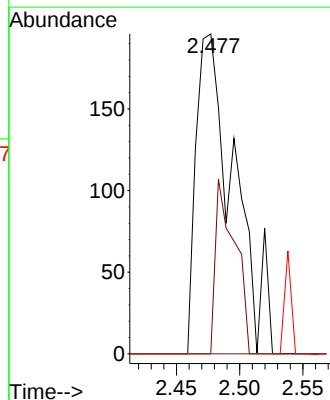
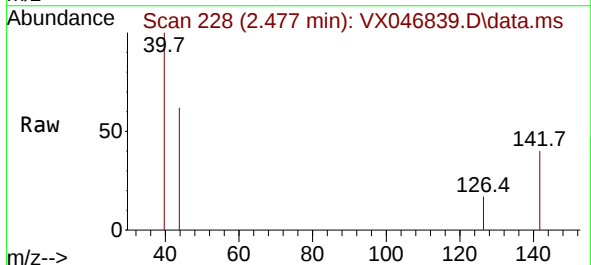
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

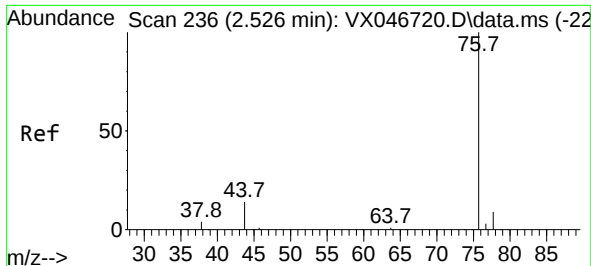
Tgt Ion:168 Resp: 283015
Ion Ratio Lower Upper
168 100
99 59.4 48.5 72.7



#10
Methyl Iodide
Concen: 4.426 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX046839.D
Acq: 30 Jun 2025 14:09

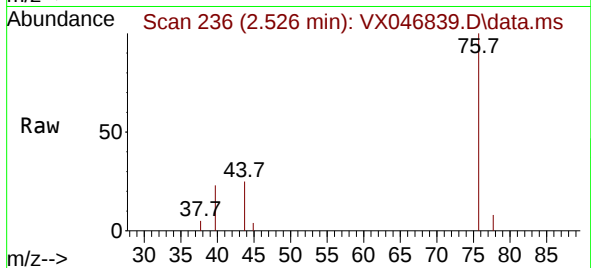
Tgt Ion:142 Resp: 411
Ion Ratio Lower Upper
142 100
127 28.0 37.0 55.6#
141 0.0 11.5 17.3#



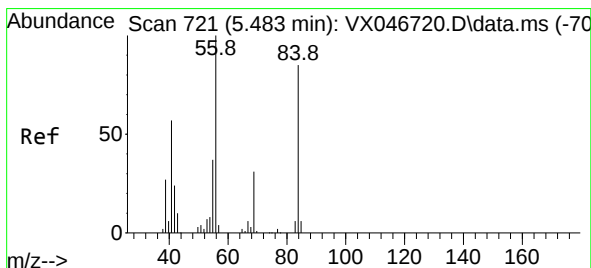
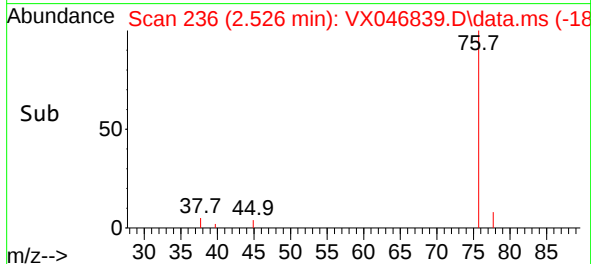
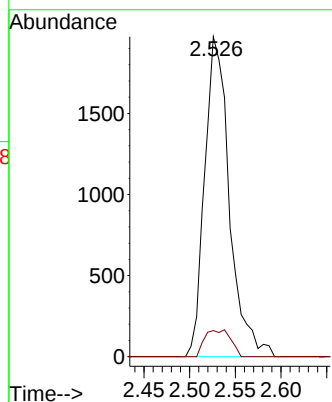


#17
Carbon Disulfide
Concen: 0.393 ug/l
RT: 2.526 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046839.D
Acq: 30 Jun 2025 14:09

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

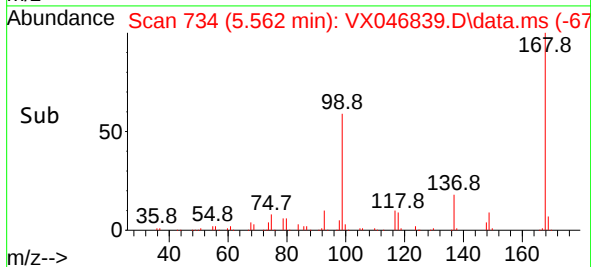
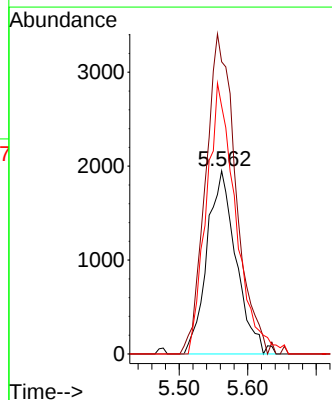
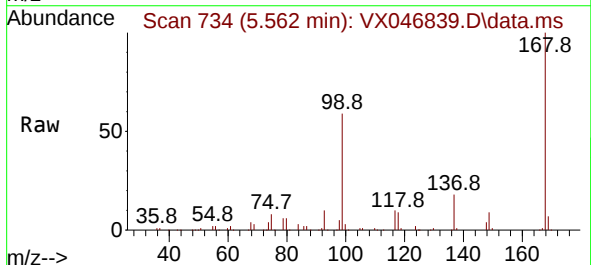


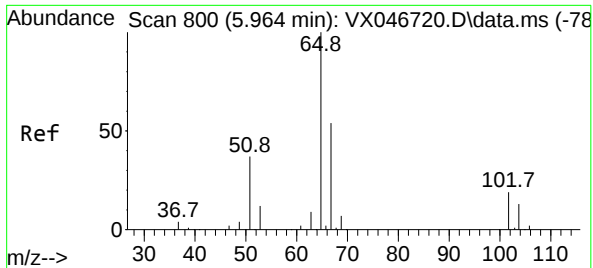
Tgt Ion: 76 Resp: 3712
Ion Ratio Lower Upper
76 100
78 8.2 7.5 11.3



#31
Cyclohexane
Concen: 0.984 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX046839.D
Acq: 30 Jun 2025 14:09

Tgt Ion: 56 Resp: 5770
Ion Ratio Lower Upper
56 100
69 159.6 24.8 37.2#
84 135.4 68.2 102.2#

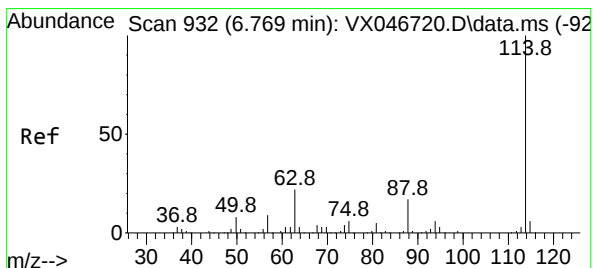
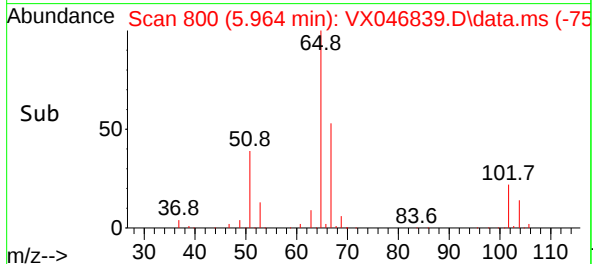
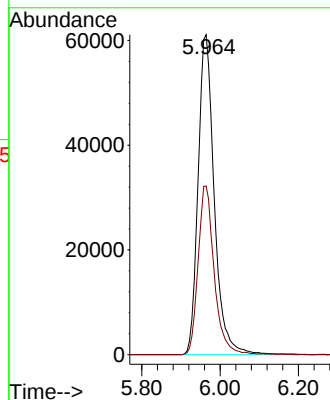
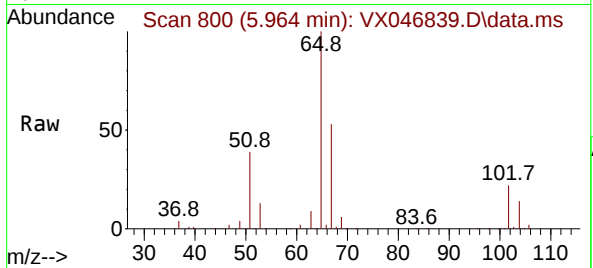




#33
 1,2-Dichloroethane-d4
 Concen: 44.901 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. -0.000 min
 Lab File: VX046839.D
 Acq: 30 Jun 2025 14:09

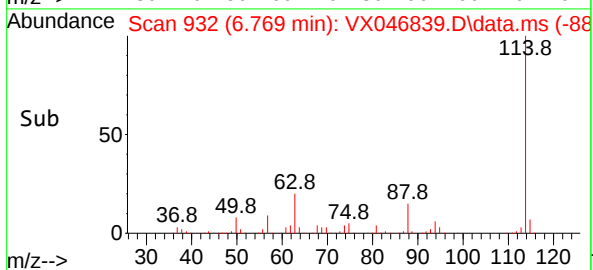
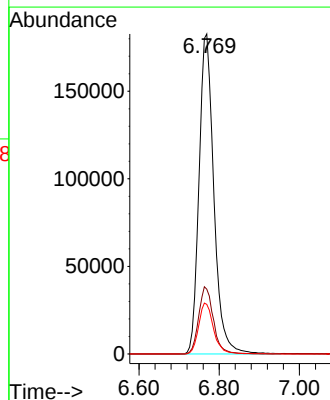
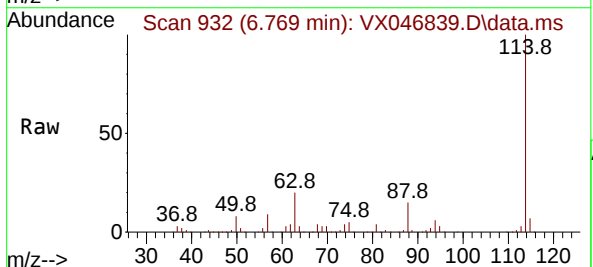
Instrument :
 MSVOA_X
 ClientSampleId :
 BBX42025DL

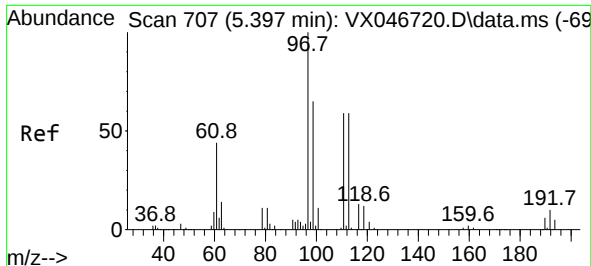
Tgt Ion: 65 Resp: 175771
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX046839.D
 Acq: 30 Jun 2025 14:09

Tgt Ion: 114 Resp: 469626
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 44.2
 88 15.5 0.0 33.2

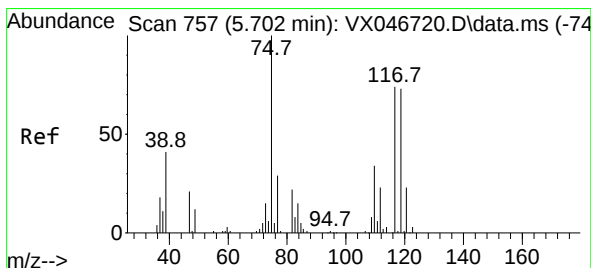
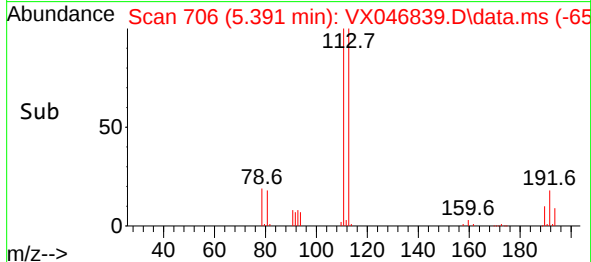
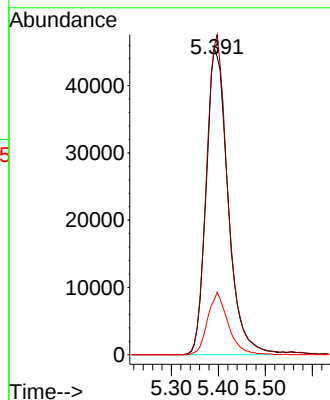
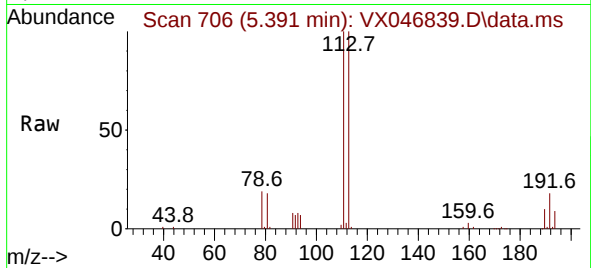




#35
Dibromofluoromethane
Concen: 47.384 ug/l
RT: 5.391 min Scan# 707
Delta R.T. -0.006 min
Lab File: VX046839.D
Acq: 30 Jun 2025 14:09

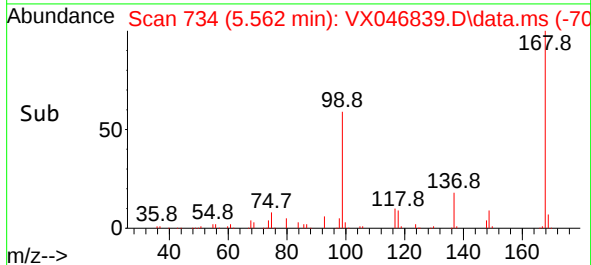
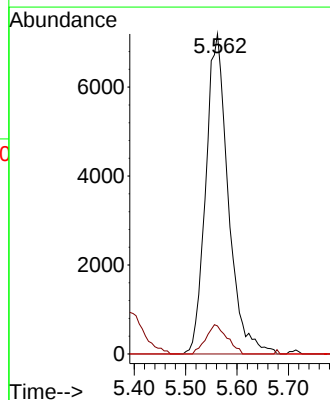
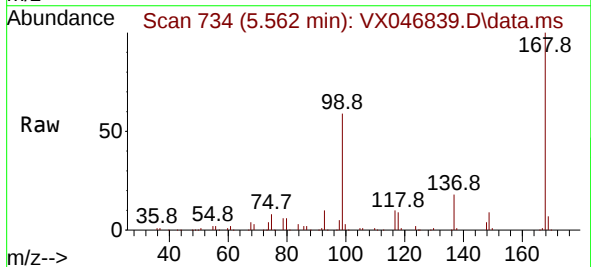
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

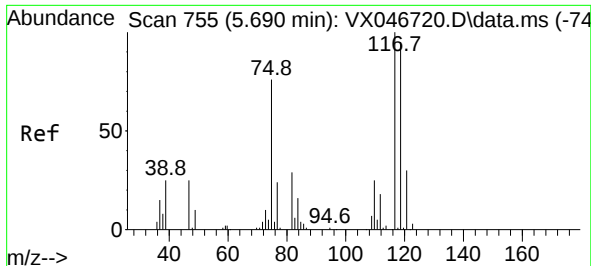
Tgt Ion:113 Resp: 147231
Ion Ratio Lower Upper
113 100
111 102.5 82.0 123.0
192 19.0 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.868 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX046839.D
Acq: 30 Jun 2025 14:09

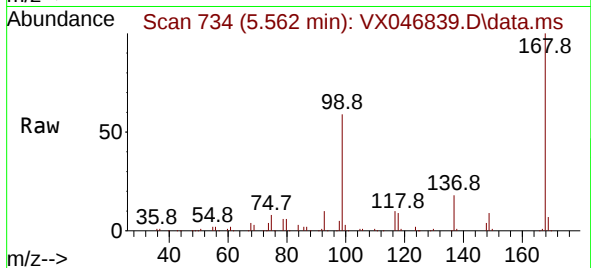
Tgt Ion: 75 Resp: 21836
Ion Ratio Lower Upper
75 100
110 8.6 17.2 51.5#
77 0.0 24.2 36.4#



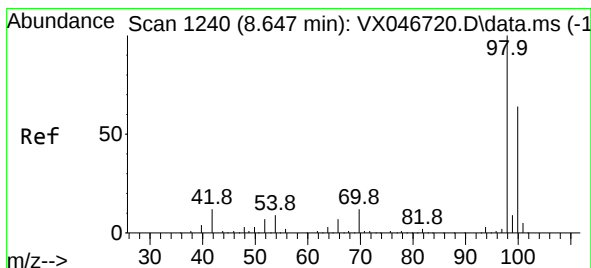
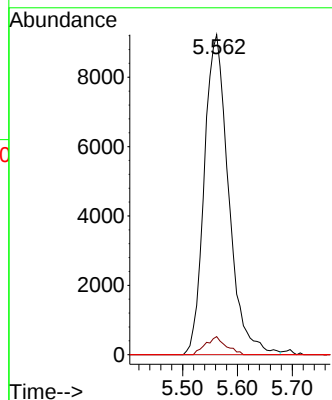
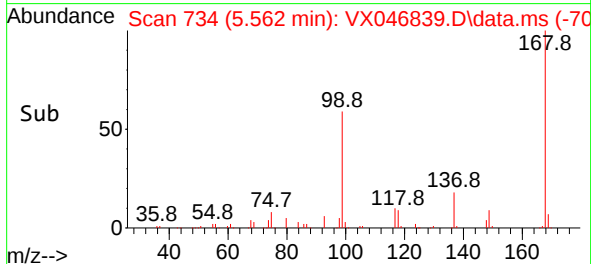


#38
Carbon Tetrachloride
Concen: 5.838 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046839.D
Acq: 30 Jun 2025 14:09

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

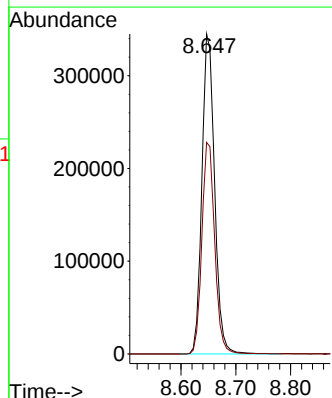
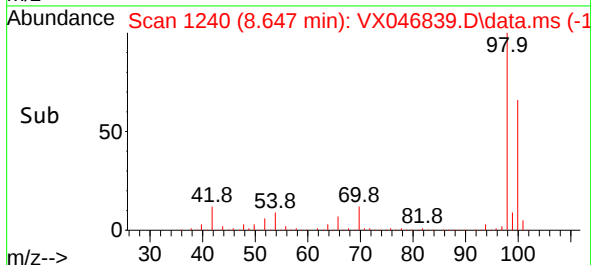
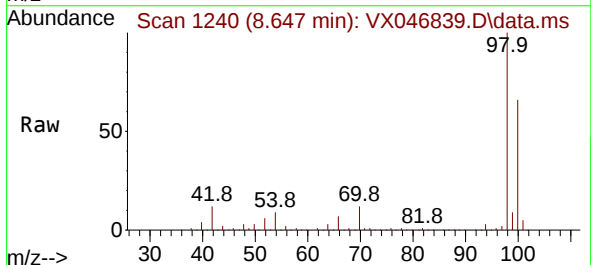


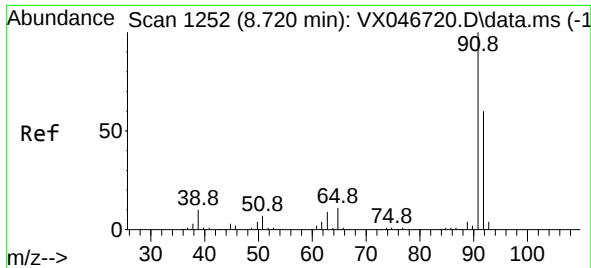
Tgt Ion:117 Resp: 28416
Ion Ratio Lower Upper
117 100
119 5.7 75.2 112.8#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 49.587 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046839.D
Acq: 30 Jun 2025 14:09

Tgt Ion: 98 Resp: 553559
Ion Ratio Lower Upper
98 100
100 67.1 53.0 79.4

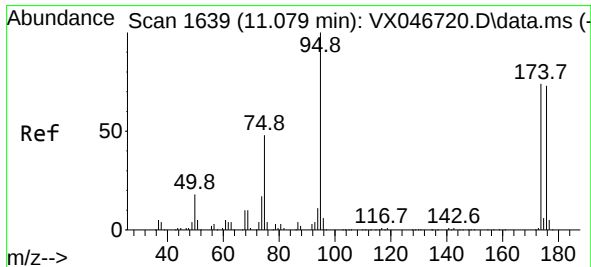
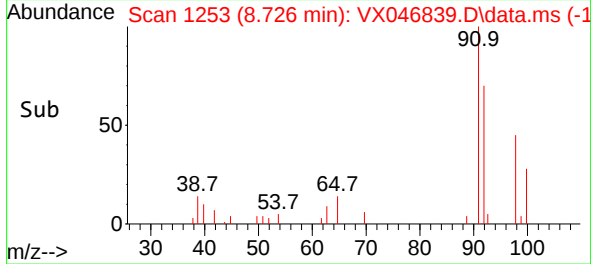
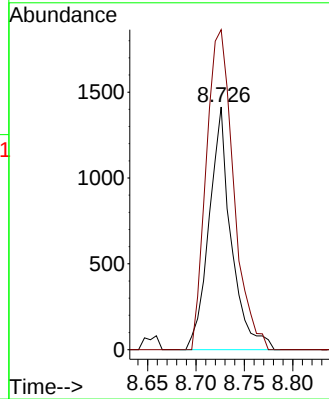
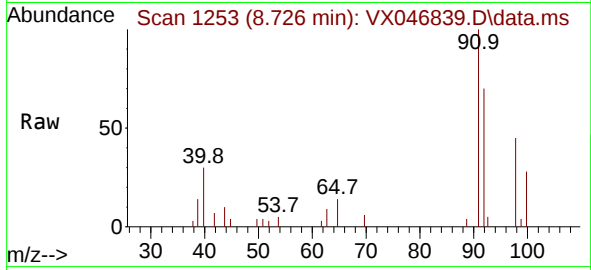




#52
Toluene
Concen: 0.274 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046839.D
Acq: 30 Jun 2025 14:09

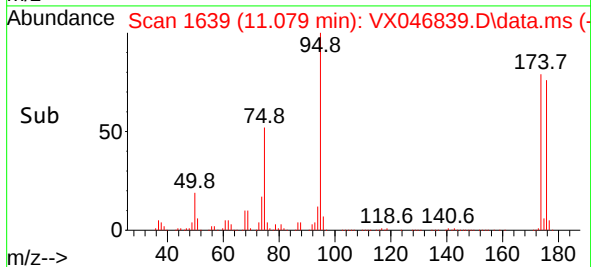
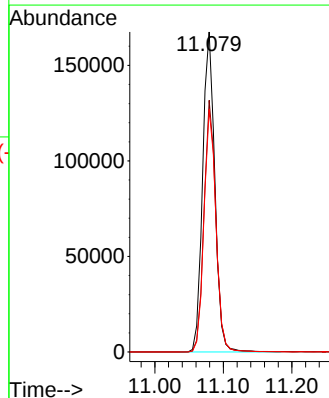
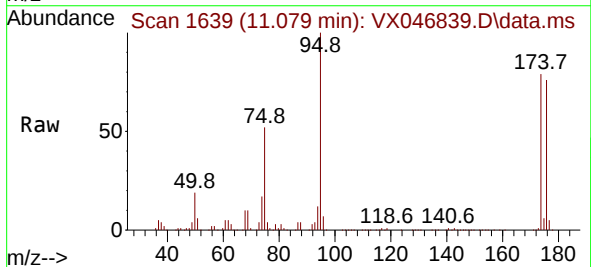
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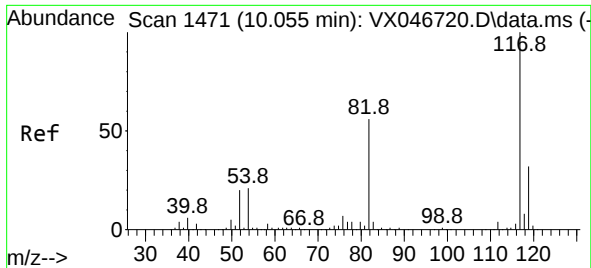
Tgt Ion: 92 Resp: 2251
Ion Ratio Lower Upper
92 100
91 162.8 134.8 202.2



#62
4-Bromofluorobenzene
Concen: 49.953 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046839.D
Acq: 30 Jun 2025 14:09

Tgt Ion: 95 Resp: 207870
Ion Ratio Lower Upper
95 100
174 76.5 0.0 150.4
176 74.6 0.0 145.0

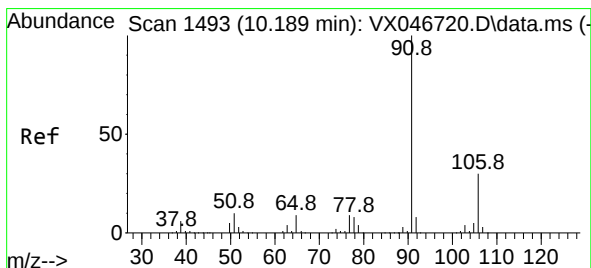
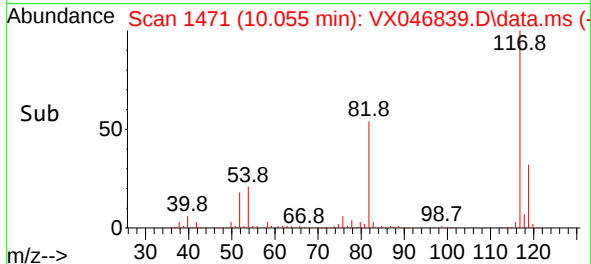
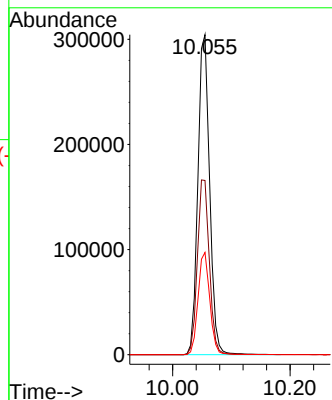
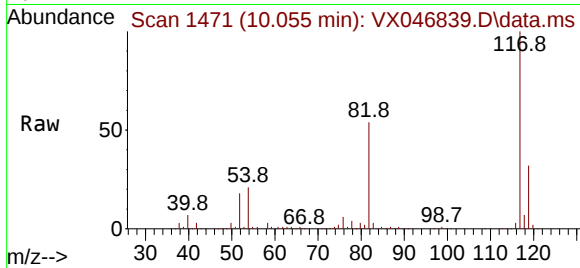




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046839.D
Acq: 30 Jun 2025 14:09

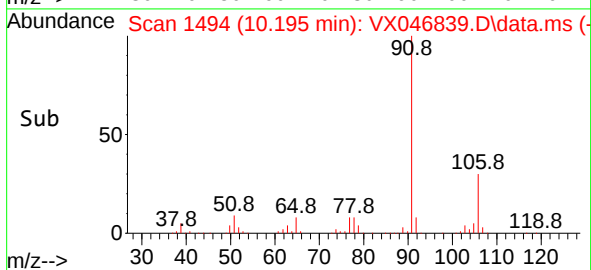
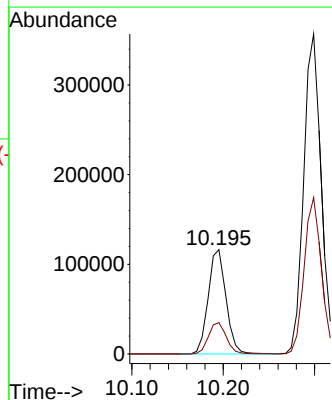
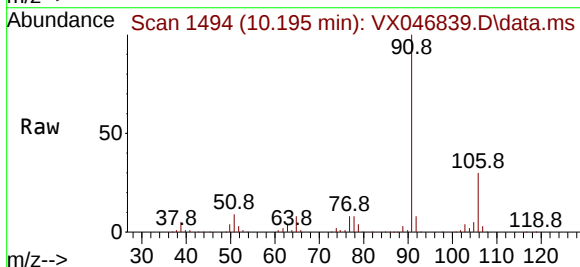
Instrument :
MSVOA_X
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BBX42025DL

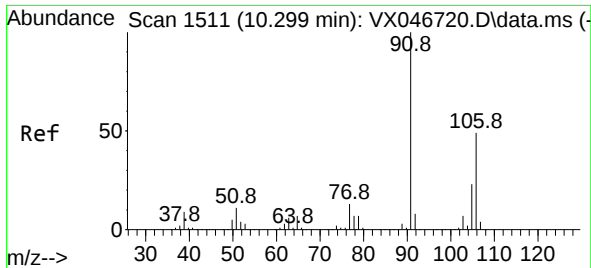
Tgt Ion:117 Resp: 423279
Ion Ratio Lower Upper
117 100
82 54.5 44.6 66.8
119 31.9 25.8 38.8



#67
Ethyl Benzene
Concen: 9.666 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046839.D
Acq: 30 Jun 2025 14:09

Tgt Ion: 91 Resp: 157805
Ion Ratio Lower Upper
91 100
106 30.1 24.2 36.2

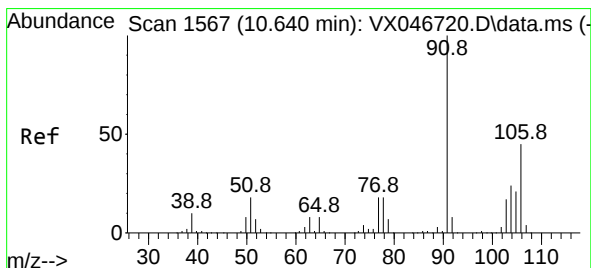
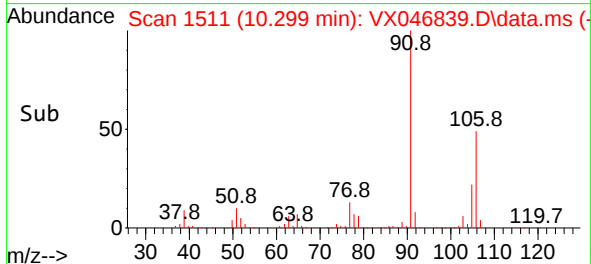
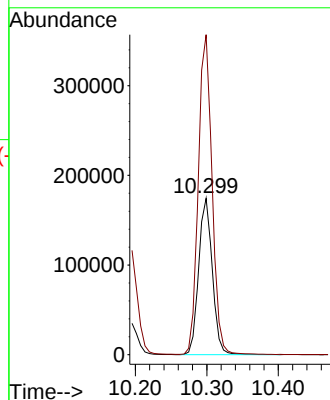
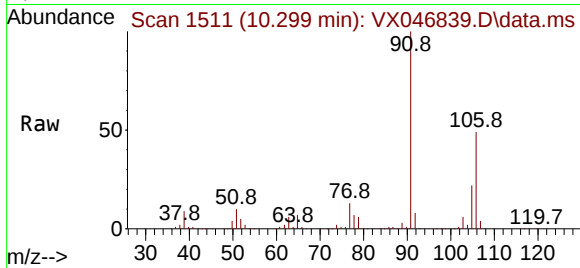




#68
m/p-Xylenes
Concen: 37.935 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046839.D
Acq: 30 Jun 2025 14:09

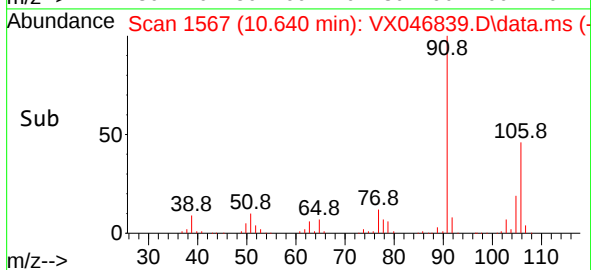
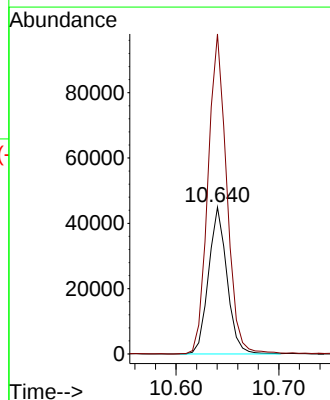
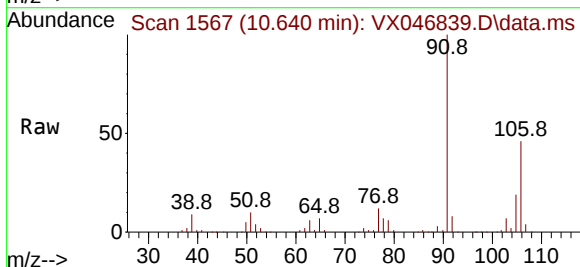
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

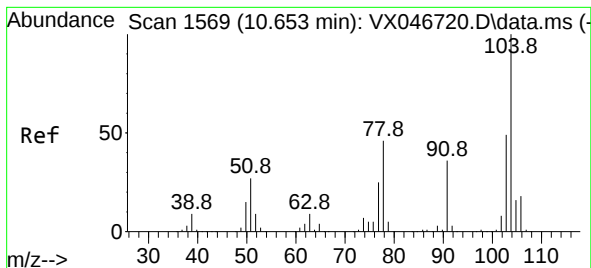
Tgt Ion:106 Resp: 230765
Ion Ratio Lower Upper
106 100
91 206.8 164.8 247.2



#69
o-Xylene
Concen: 9.821 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046839.D
Acq: 30 Jun 2025 14:09

Tgt Ion:106 Resp: 55991
Ion Ratio Lower Upper
106 100
91 223.3 111.3 333.9





#70

Styrene

Concen: 0.311 ug/l

RT: 10.640 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX046839.D

Acq: 30 Jun 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

BBX42025DL

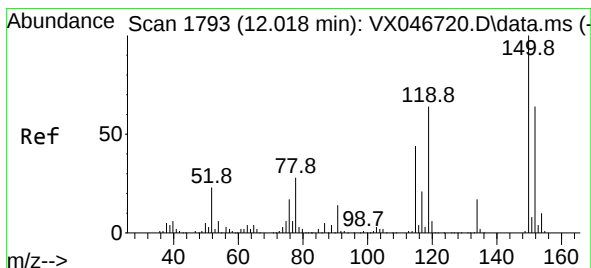
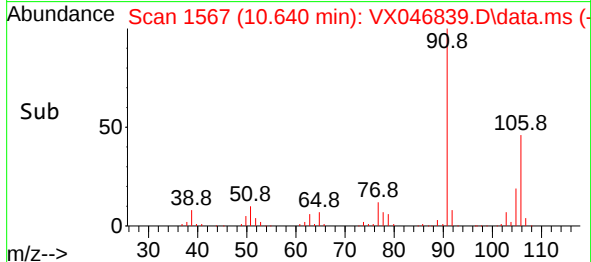
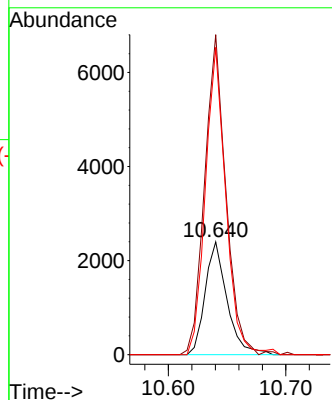
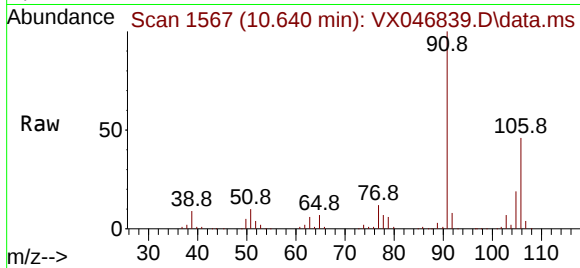
Tgt Ion:104 Resp: 3105

Ion Ratio Lower Upper

104 100

78 275.5 41.4 62.2#

103 254.8 43.1 64.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046839.D

Acq: 30 Jun 2025 14:09

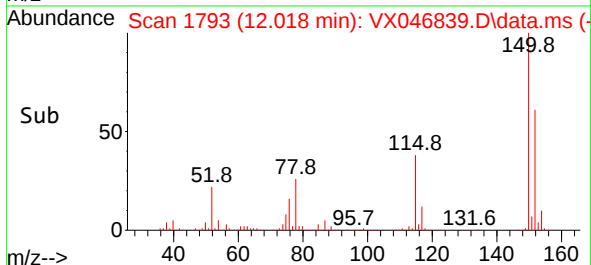
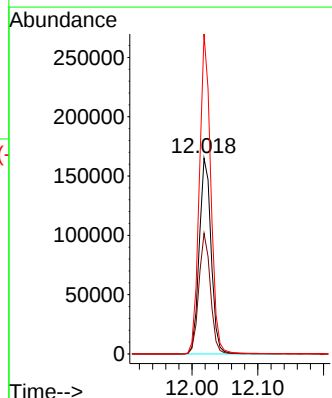
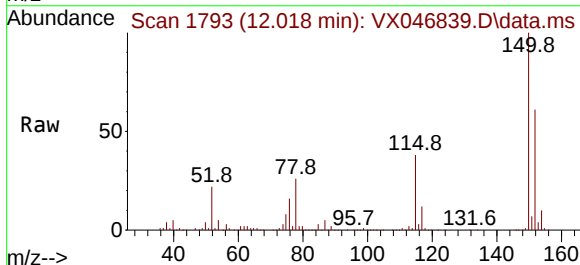
Tgt Ion:152 Resp: 206868

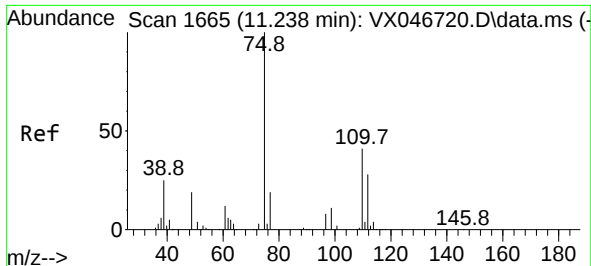
Ion Ratio Lower Upper

152 100

115 60.3 43.2 129.6

150 157.5 0.0 346.8

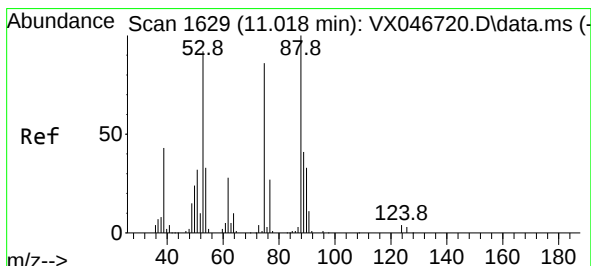
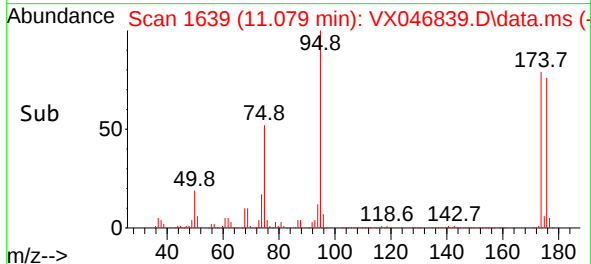
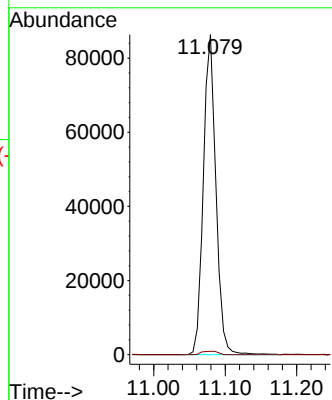
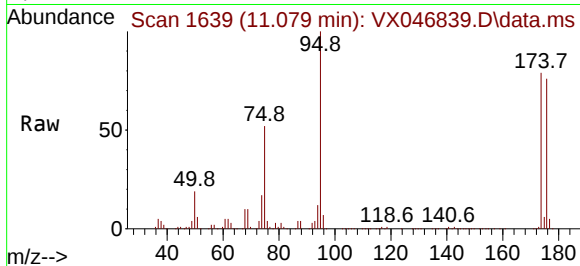




#76
1,2,3-Trichloropropane
Concen: 27.804 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046839.D
Acq: 30 Jun 2025 14:09

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

Tgt Ion: 75 Resp: 105345
Ion Ratio Lower Upper
75 100
77 1.4 18.5 55.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.590 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046839.D
Acq: 30 Jun 2025 14:09

Tgt Ion: 75 Resp: 105345
Ion Ratio Lower Upper
75 100
53 0.0 86.8 130.2#
89 0.0 36.9 55.3#

