

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102725\
 Data File : VX048368.D
 Acq On : 27 Oct 2025 14:00
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Oct 28 01:53:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

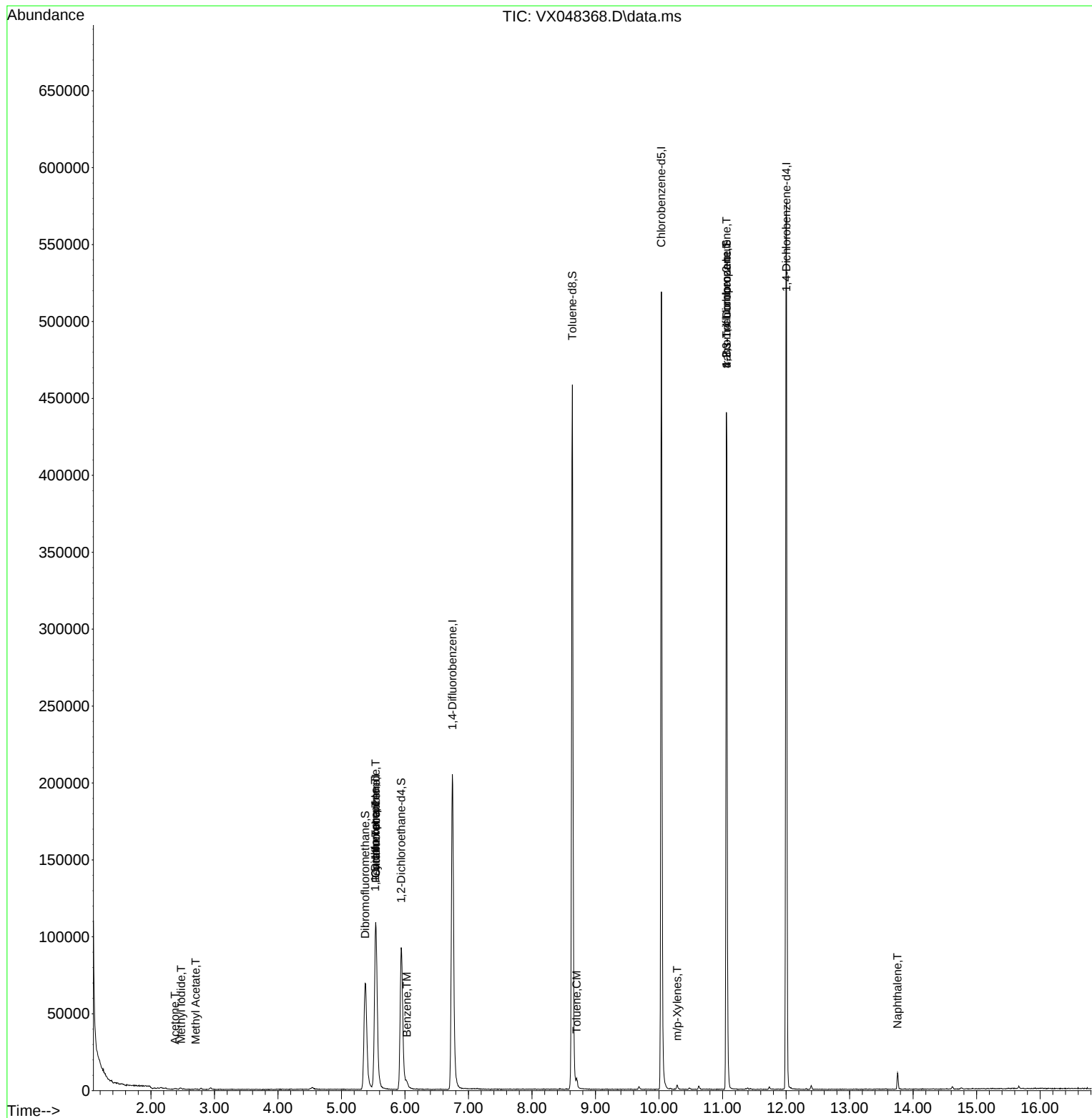
Internal Standards						
1) Pentafluorobenzene	5.544	168	109779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	222119	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	234756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	102413	66.537	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 133.080%#			
35) Dibromofluoromethane	5.373	113	68197	44.973	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.940%			
50) Toluene-d8	8.635	98	274469	51.639	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.280%			
62) 4-Bromofluorobenzene	11.061	95	124240	61.443	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 122.880%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.477	142	1412	0.948	ug/l #	88
16) Acetone	2.380	43	664	1.258	ug/l	98
18) Methyl Acetate	2.703	43	517	0.469	ug/l #	77
31) Cyclohexane	5.538	56	2299	1.203	ug/l #	1
36) 1,1-Dichloropropene	5.532	75	9059	4.203	ug/l #	50
38) Carbon Tetrachloride	5.538	117	11981	4.506	ug/l #	14
40) Benzene	6.031	78	3542	0.566	ug/l	93
52) Toluene	8.702	92	1919	0.483	ug/l	94
68) m/p-Xylenes	10.287	106	800	0.239	ug/l	88
76) 1,2,3-Trichloropropane	11.061	75	67053	33.895	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	67053	82.465	ug/l #	10
95) Naphthalene	13.756	128	7295	1.030	ug/l	98

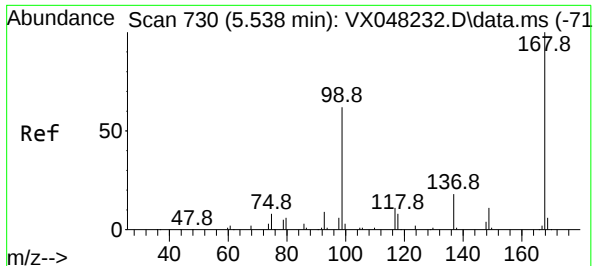
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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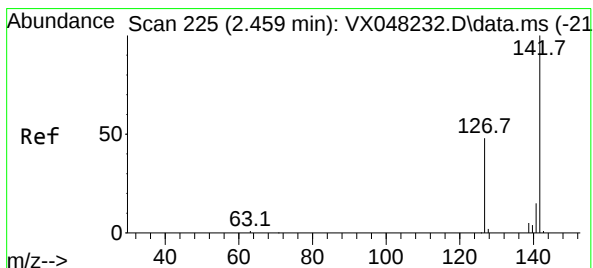
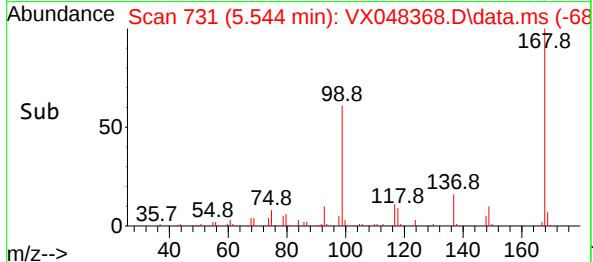
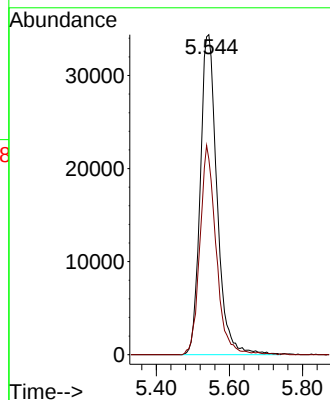
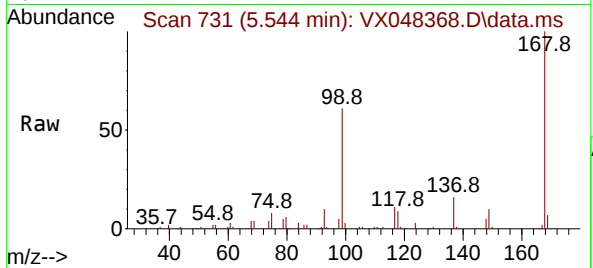




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048368.D
Acq: 27 Oct 2025 14:00

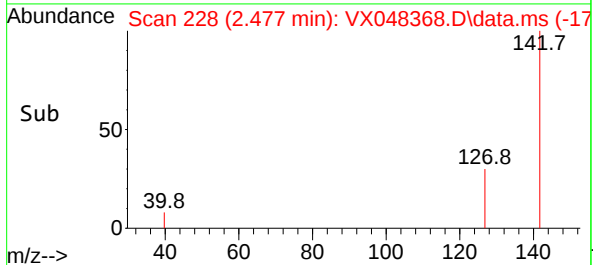
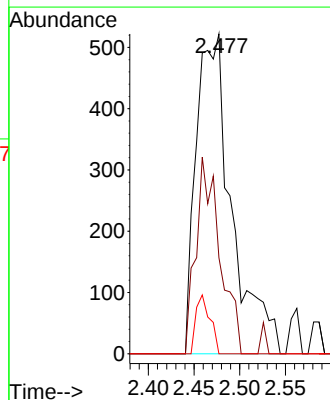
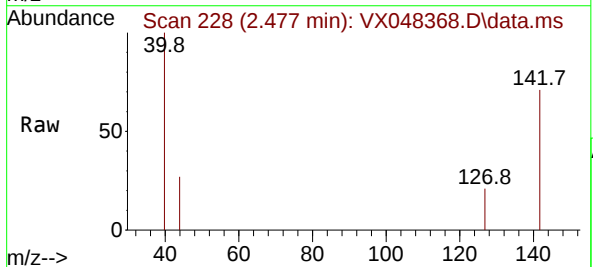
Instrument :
MSVOA_X
ClientSampleId :
IBLK

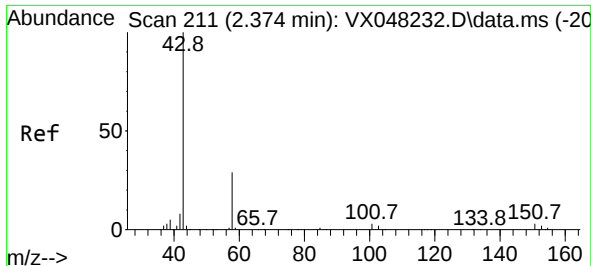
Tgt Ion:168 Resp: 109779
Ion Ratio Lower Upper
168 100
99 61.1 46.4 69.6



#10
Methyl Iodide
Concen: 0.948 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.018 min
Lab File: VX048368.D
Acq: 27 Oct 2025 14:00

Tgt Ion:142 Resp: 1412
Ion Ratio Lower Upper
142 100
127 41.5 38.5 57.7
141 7.4 11.6 17.4#

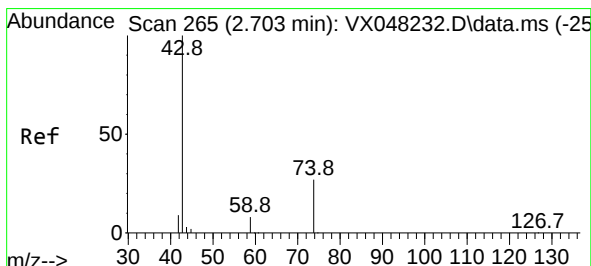
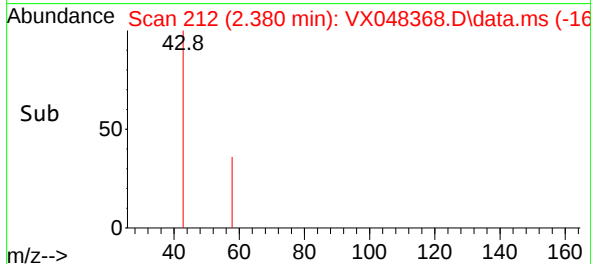
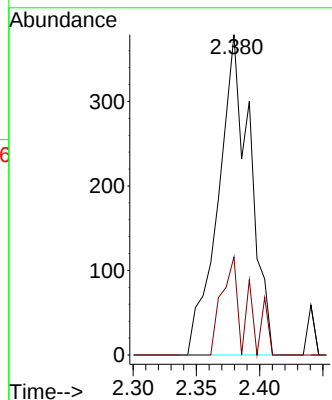
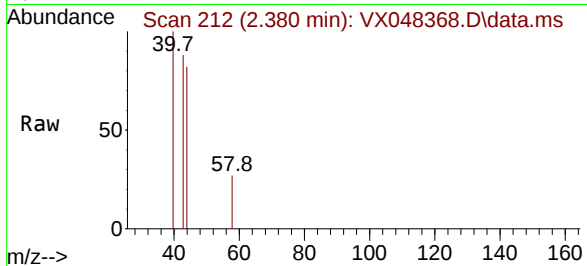




#16
Acetone
Concen: 1.258 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048368.D
Acq: 27 Oct 2025 14:00

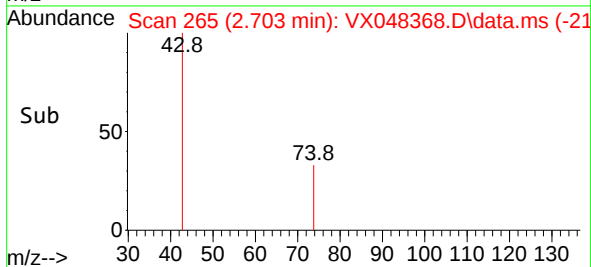
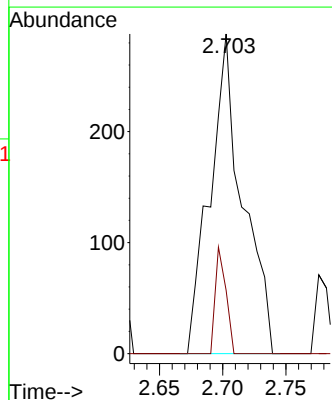
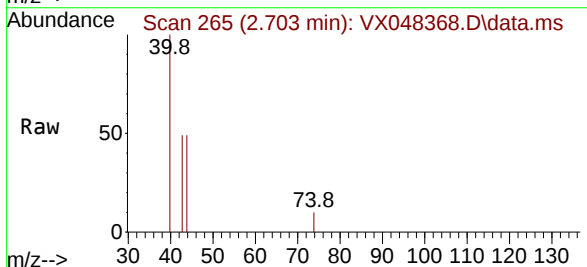
Instrument :
MSVOA_X
ClientSampleId :
IBLK

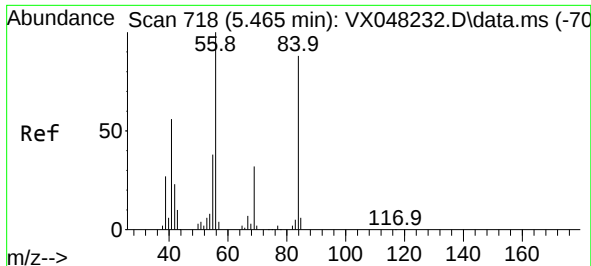
Tgt Ion: 43 Resp: 664
Ion Ratio Lower Upper
43 100
58 30.6 23.4 35.2



#18
Methyl Acetate
Concen: 0.469 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048368.D
Acq: 27 Oct 2025 14:00

Tgt Ion: 43 Resp: 517
Ion Ratio Lower Upper
43 100
74 10.8 17.5 26.3#

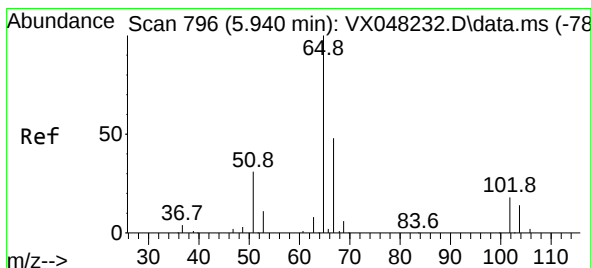
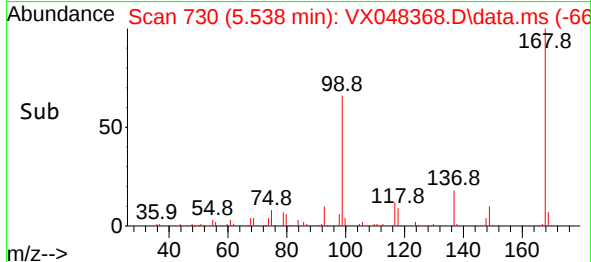
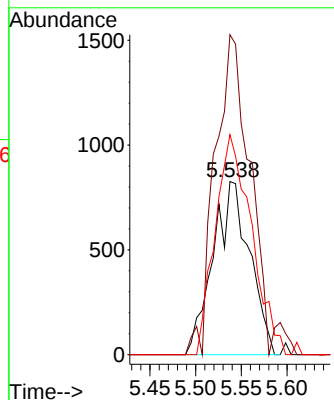
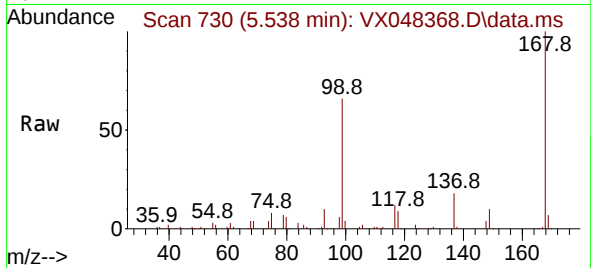




#31
Cyclohexane
Concen: 1.203 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX048368.D
Acq: 27 Oct 2025 14:00

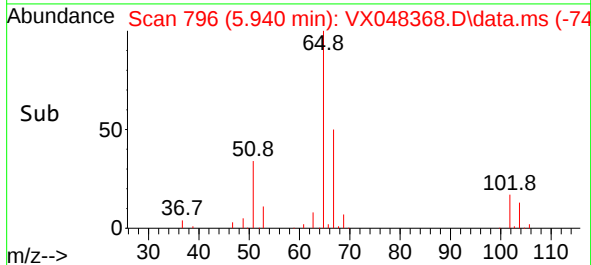
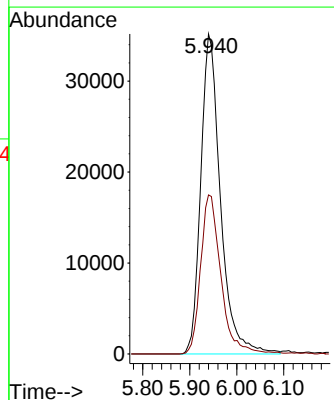
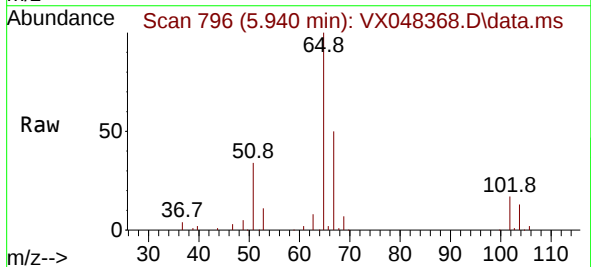
Instrument :
MSVOA_X
ClientSampleId :
IBLK

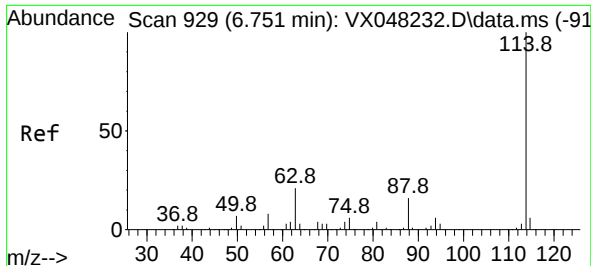
Tgt Ion: 56 Resp: 2299
Ion Ratio Lower Upper
56 100
69 184.9 23.0 34.6#
84 127.1 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 66.537 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048368.D
Acq: 27 Oct 2025 14:00

Tgt Ion: 65 Resp: 102413
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.0

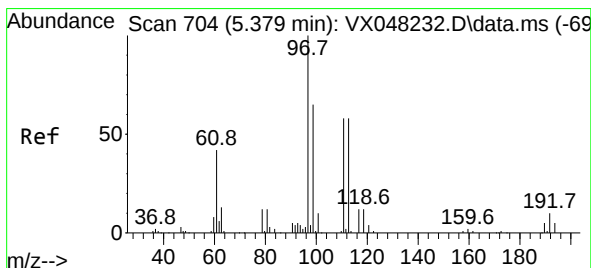
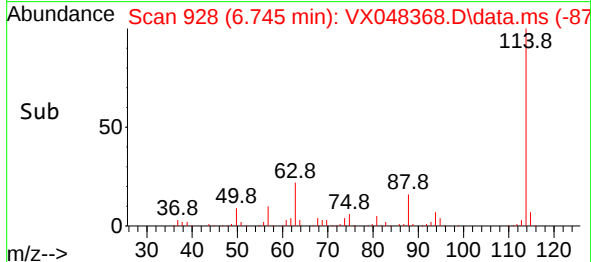
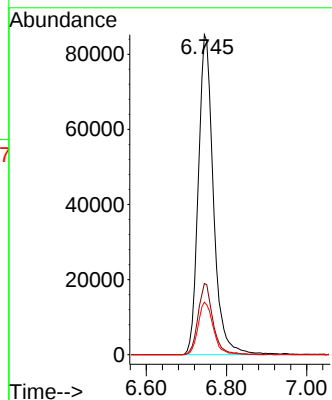
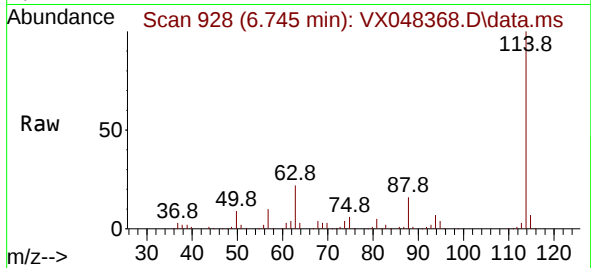




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048368.D
Acq: 27 Oct 2025 14:00

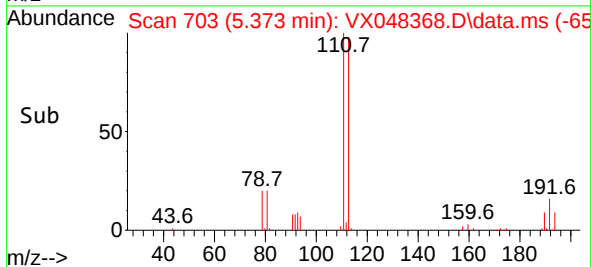
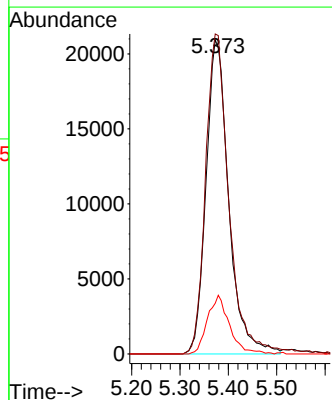
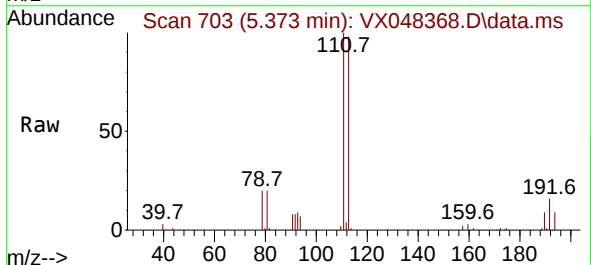
Instrument :
MSVOA_X
ClientSampleId :
IBLK

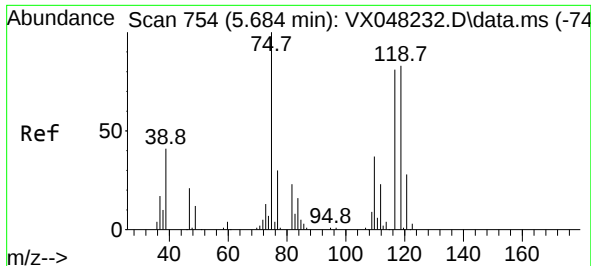
Tgt Ion:114 Resp: 222119
Ion Ratio Lower Upper
114 100
63 22.2 0.0 43.2
88 16.4 0.0 33.6



#35
Dibromofluoromethane
Concen: 44.973 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048368.D
Acq: 27 Oct 2025 14:00

Tgt Ion:113 Resp: 68197
Ion Ratio Lower Upper
113 100
111 104.8 82.2 123.4
192 18.1 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.203 ug/l

RT: 5.532 min Scan# 71

Delta R.T. -0.152 min

Lab File: VX048368.D

Acq: 27 Oct 2025 14:00

Instrument :

MSVOA_X

ClientSampleId :

IBLK

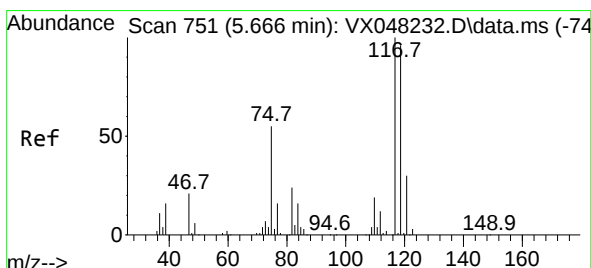
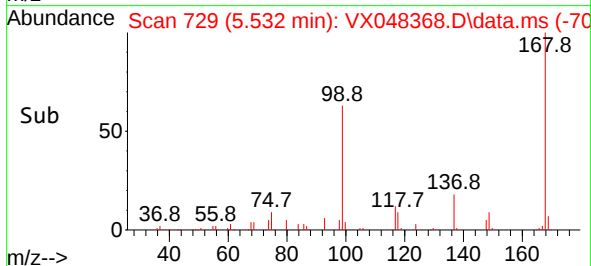
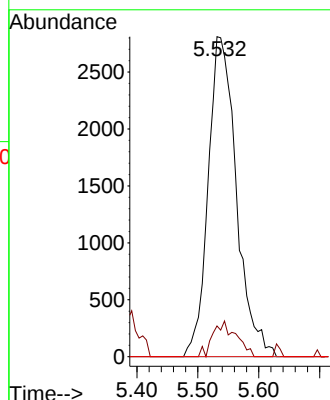
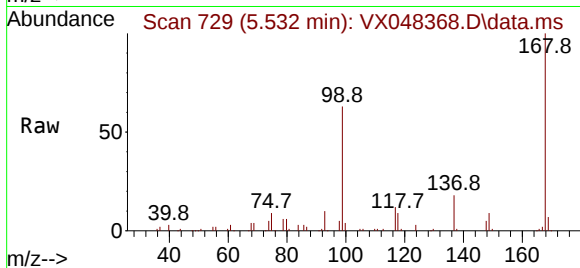
Tgt Ion: 75 Resp: 9059

Ion Ratio Lower Upper

75 100

110 9.2 17.7 53.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 4.506 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.128 min

Lab File: VX048368.D

Acq: 27 Oct 2025 14:00

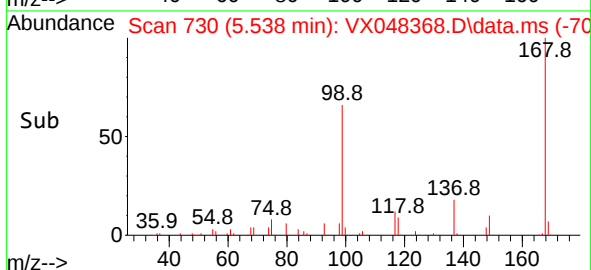
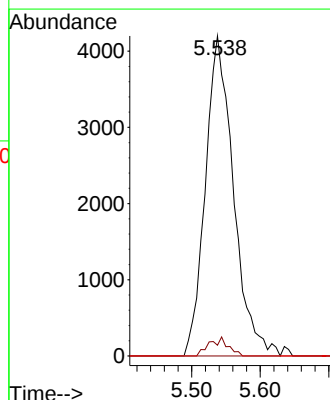
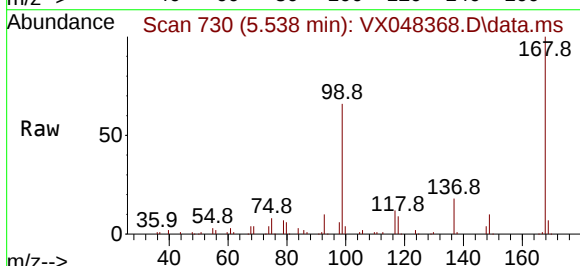
Tgt Ion: 117 Resp: 11981

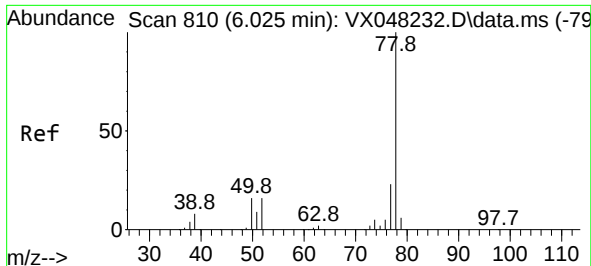
Ion Ratio Lower Upper

117 100

119 3.4 77.2 115.8#

121 0.0 24.8 37.2#

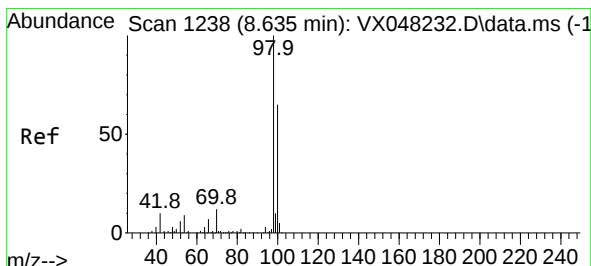
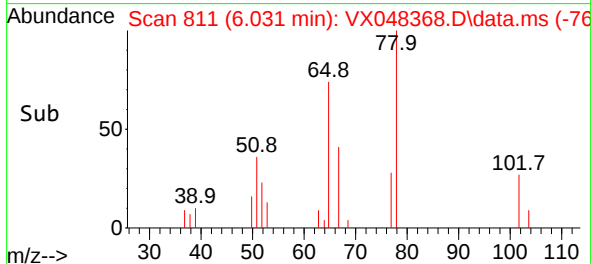
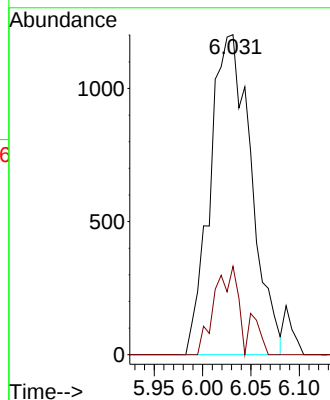
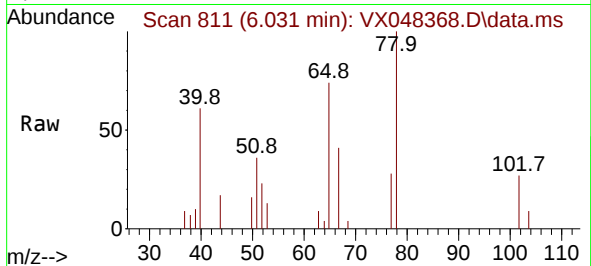




#40
Benzene
Concen: 0.566 ug/l
RT: 6.031 min Scan# 810
Delta R.T. 0.006 min
Lab File: VX048368.D
Acq: 27 Oct 2025 14:00

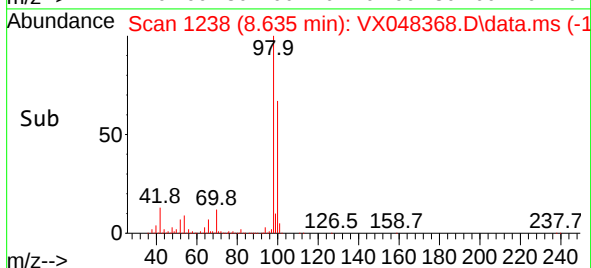
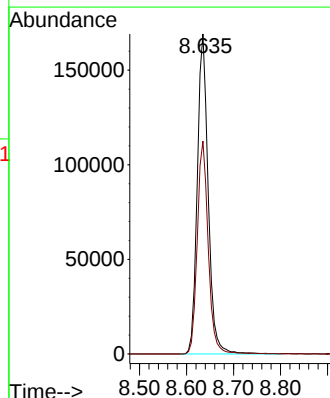
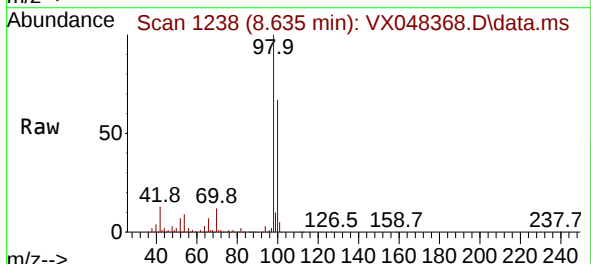
Instrument :
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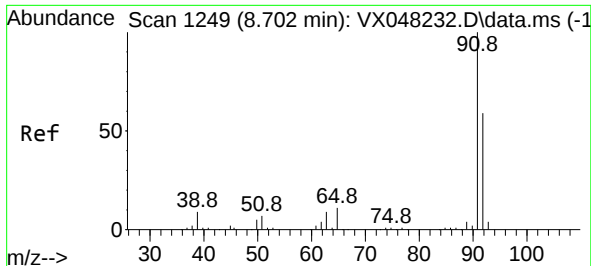
Tgt Ion: 78 Resp: 3542
Ion Ratio Lower Upper
78 100
77 27.6 19.3 28.9



#50
Toluene-d8
Concen: 51.639 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048368.D
Acq: 27 Oct 2025 14:00

Tgt Ion: 98 Resp: 274469
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.4

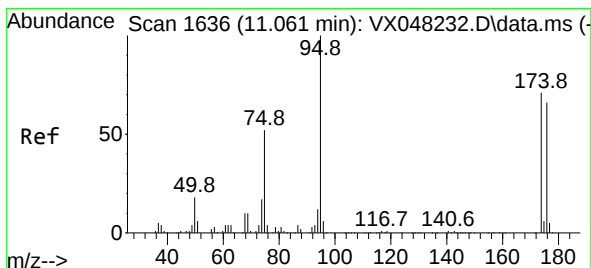
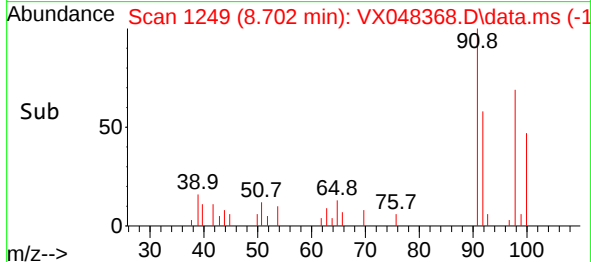
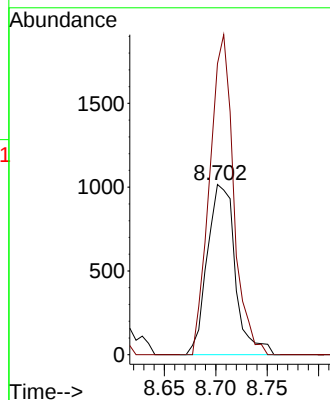
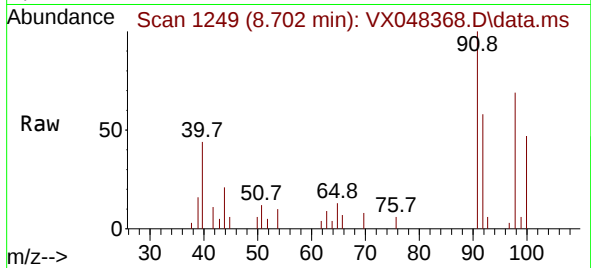




#52
Toluene
Concen: 0.483 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048368.D
Acq: 27 Oct 2025 14:00

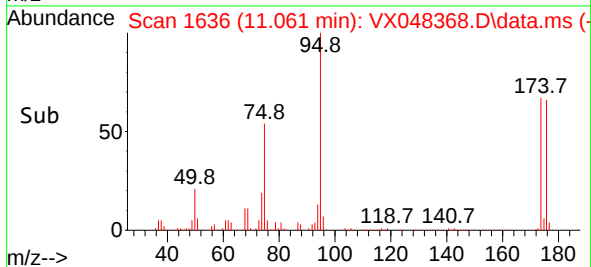
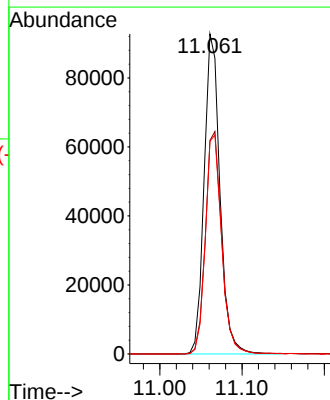
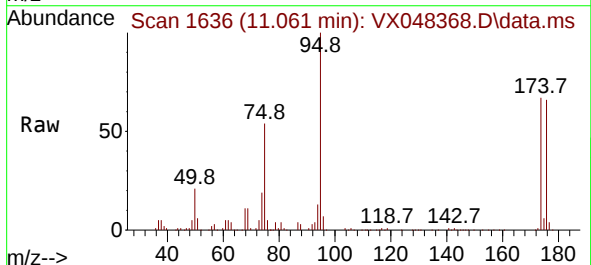
Instrument :
MSVOA_X
ClientSampleId :
IBLK

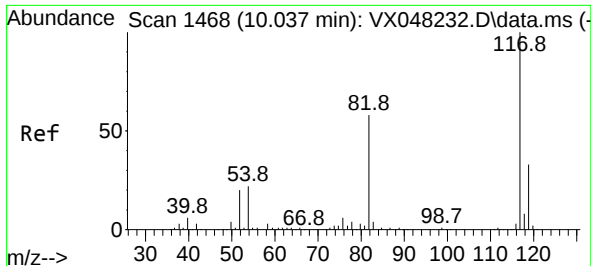
Tgt Ion: 92 Resp: 1919
Ion Ratio Lower Upper
92 100
91 161.6 136.1 204.1



#62
4-Bromofluorobenzene
Concen: 61.443 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048368.D
Acq: 27 Oct 2025 14:00

Tgt Ion: 95 Resp: 124240
Ion Ratio Lower Upper
95 100
174 71.8 0.0 147.8
176 70.3 0.0 142.8

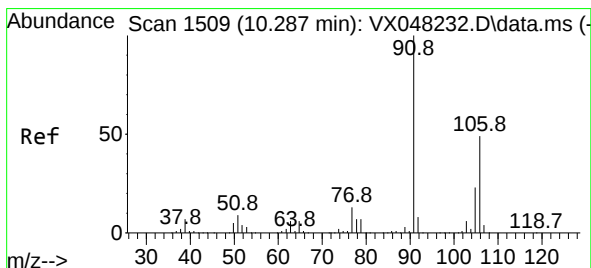
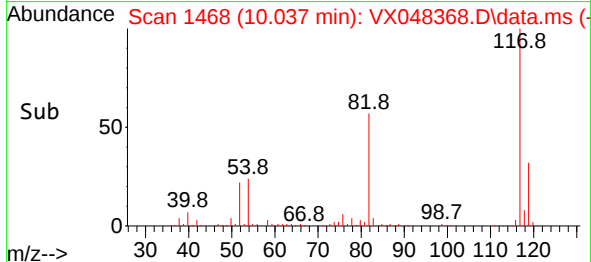
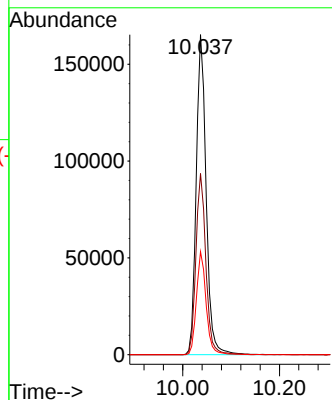
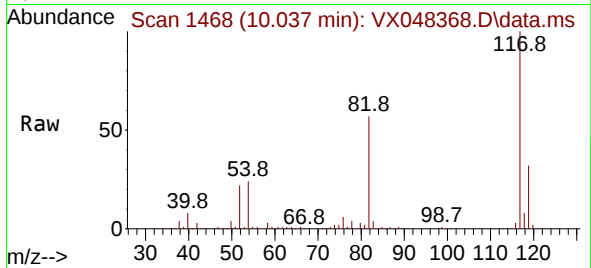




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048368.D
Acq: 27 Oct 2025 14:00

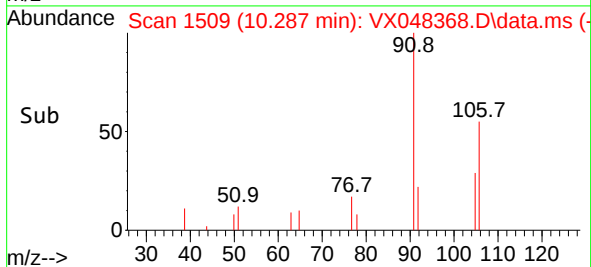
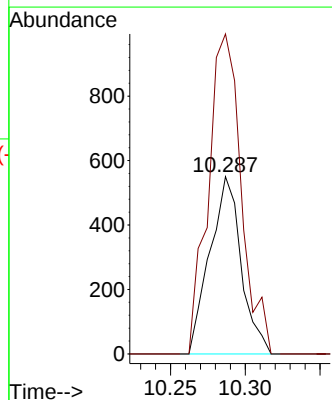
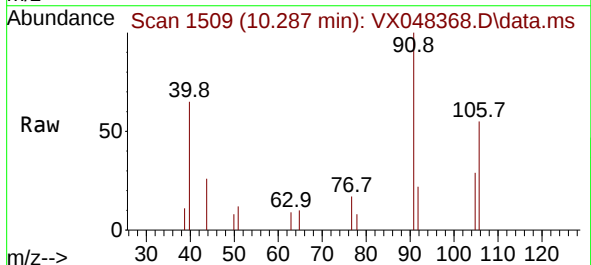
Instrument :
MSVOA_X
ClientSampleId :
IBLK

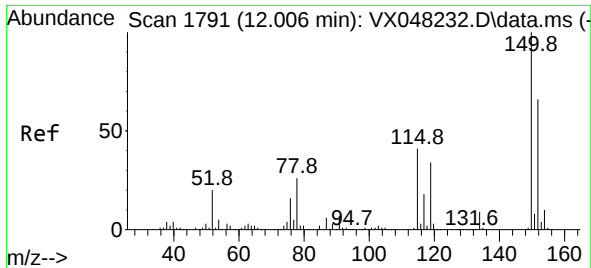
Tgt Ion:117 Resp: 234756
Ion Ratio Lower Upper
117 100
82 56.6 46.5 69.7
119 32.2 25.9 38.9



#68
m/p-Xylenes
Concen: 0.239 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048368.D
Acq: 27 Oct 2025 14:00

Tgt Ion:106 Resp: 800
Ion Ratio Lower Upper
106 100
91 190.6 167.9 251.9

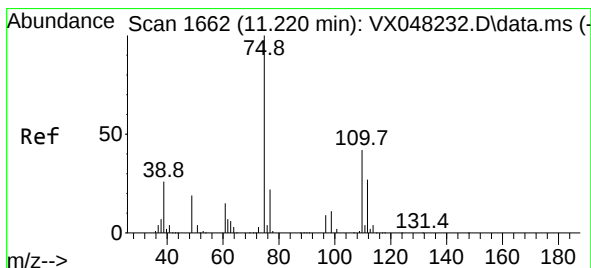
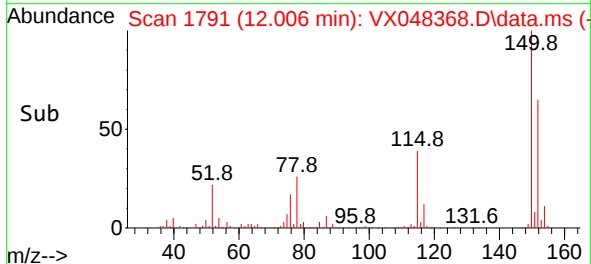
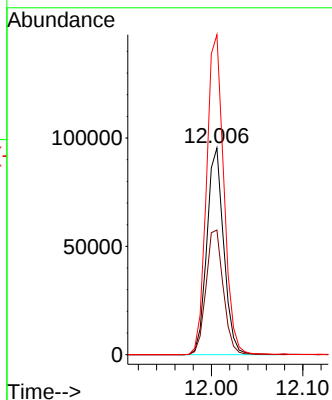
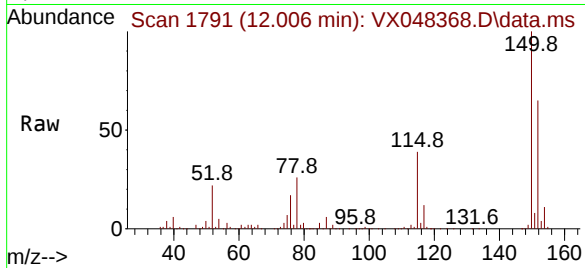




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048368.D
 Acq: 27 Oct 2025 14:00

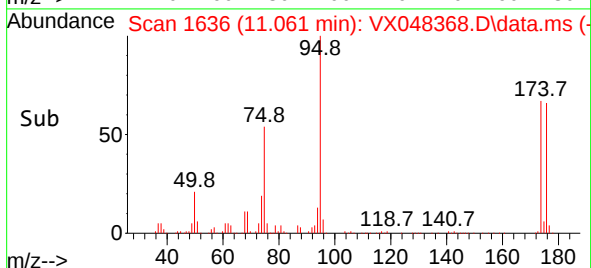
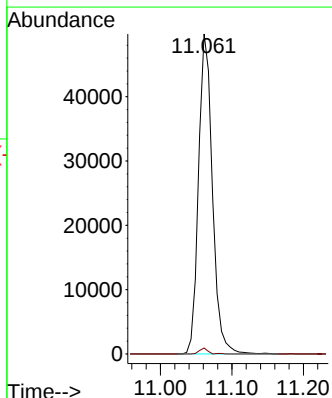
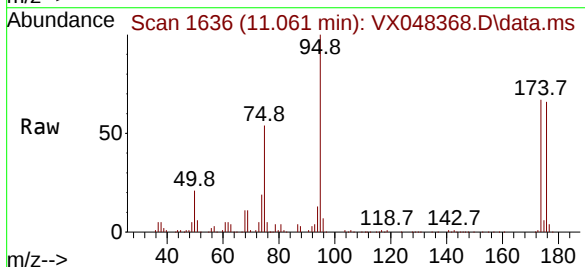
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

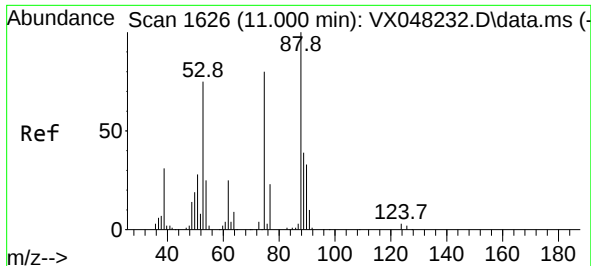
Tgt Ion:152 Resp: 121988
 Ion Ratio Lower Upper
 152 100
 115 62.2 43.1 129.4
 150 158.8 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 33.895 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048368.D
 Acq: 27 Oct 2025 14:00

Tgt Ion: 75 Resp: 67053
 Ion Ratio Lower Upper
 75 100
 77 1.1 22.4 67.2#

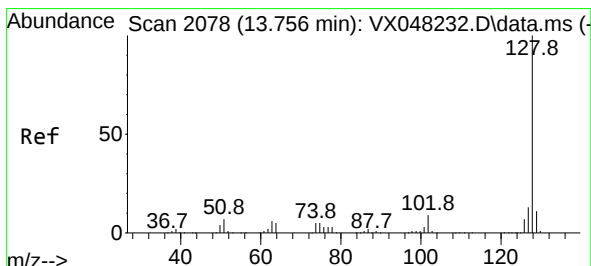
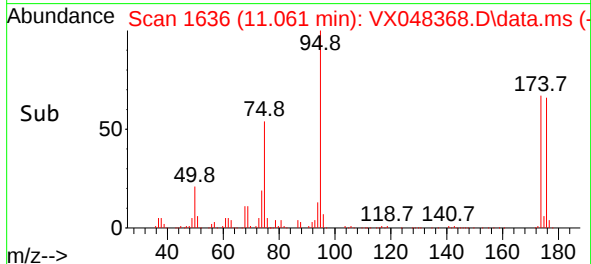
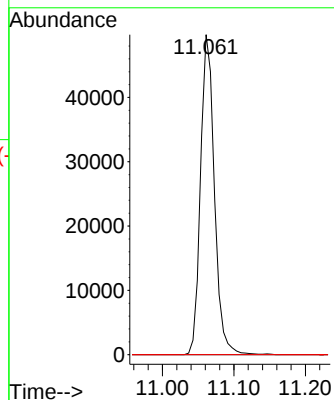
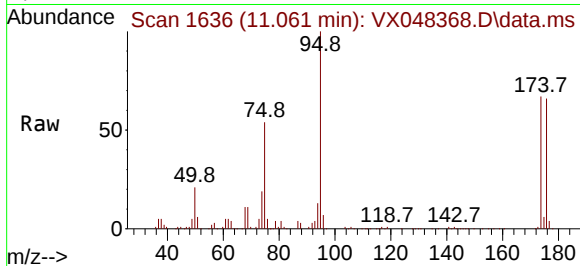




#81
trans-1,4-Dichloro-2-butene
Concen: 82.465 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048368.D
Acq: 27 Oct 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 67053
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#



#95
Naphthalene
Concen: 1.030 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048368.D
Acq: 27 Oct 2025 14:00

Tgt Ion:128 Resp: 7295
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 9.3 8.6 12.8

