

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047299.D
 Acq On : 12 Aug 2025 16:01
 Operator : JC/MD
 Sample : Q2814-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-38M-W

Quant Time: Aug 13 01:23:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

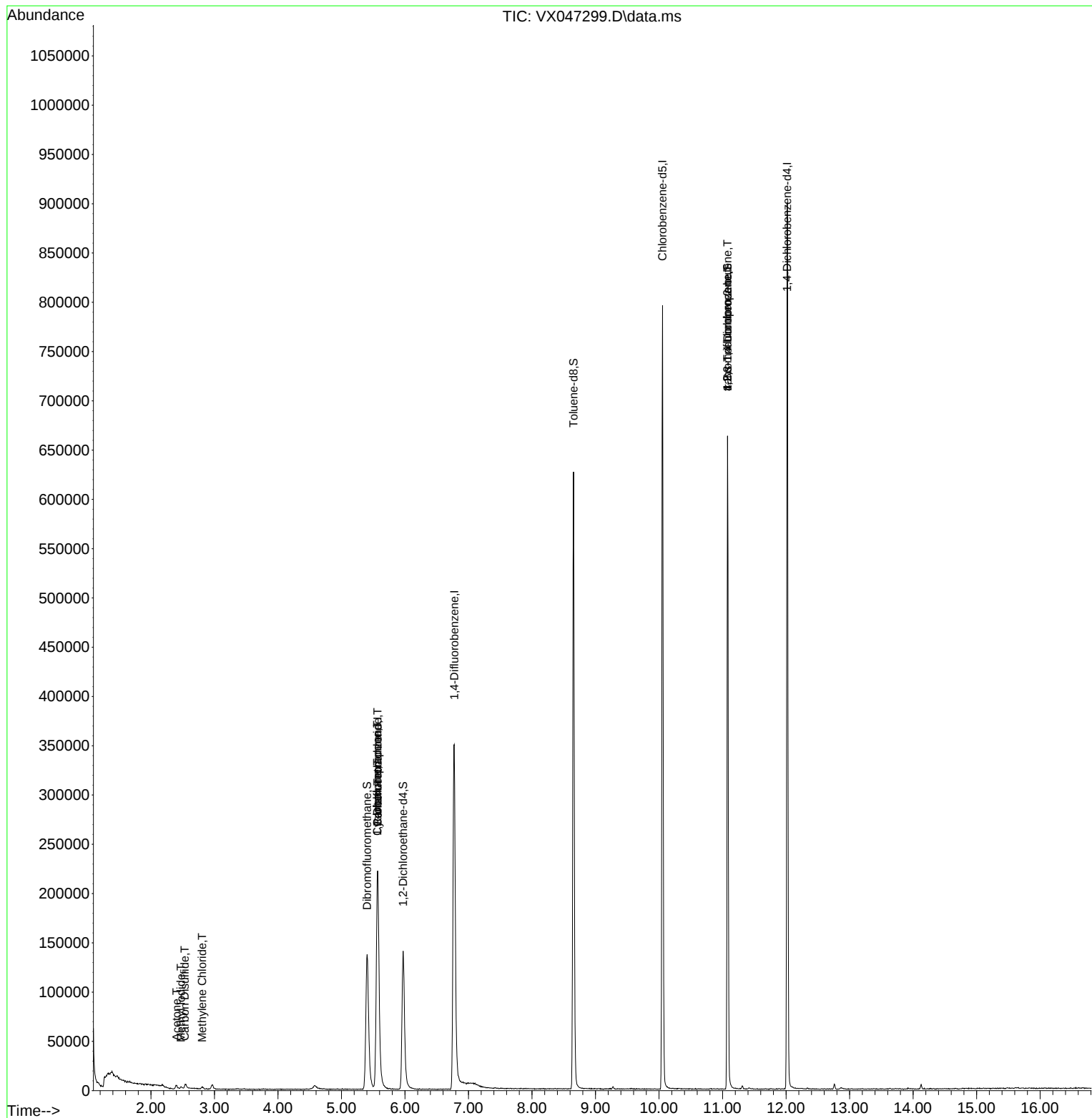
Internal Standards						
1) Pentafluorobenzene	5.568	168	224812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	391363	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	352853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	180111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	147702	52.742	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.480%	
35) Dibromofluoromethane	5.403	113	131383	54.371	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.740%	
50) Toluene-d8	8.653	98	373235	47.695	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.380%	
62) 4-Bromofluorobenzene	11.079	95	179117	53.114	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.220%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.471	142	2504	0.861	ug/l #	85
11) Tert butyl alcohol	2.965	59	2472	Below Cal	#	75
16) Acetone	2.404	43	5503	4.905	ug/l #	85
17) Carbon Disulfide	2.532	76	3658	0.448	ug/l #	76
20) Methylene Chloride	2.806	84	932	0.302	ug/l #	88
31) Cyclohexane	5.562	56	5101	0.974	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	18579	4.511	ug/l #	50
38) Carbon Tetrachloride	5.568	117	23405	5.324	ug/l #	14
76) 1,2,3-Trichloropropane	11.079	75	92494	27.745	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	92494	71.481	ug/l #	8

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

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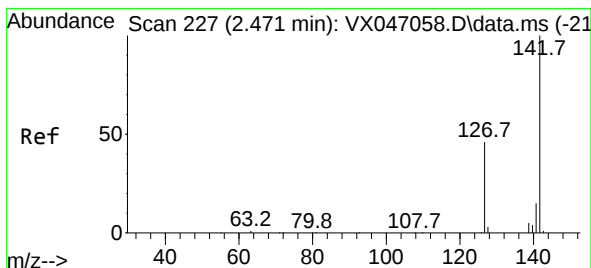
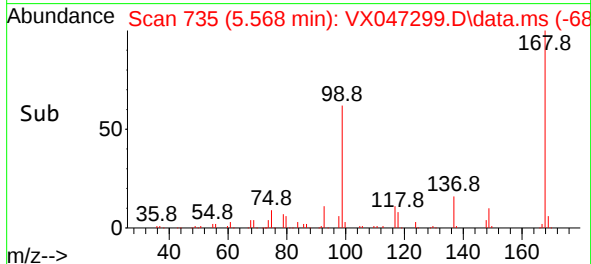
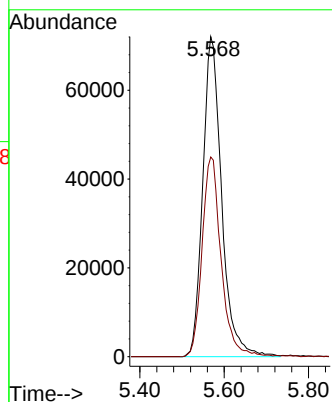
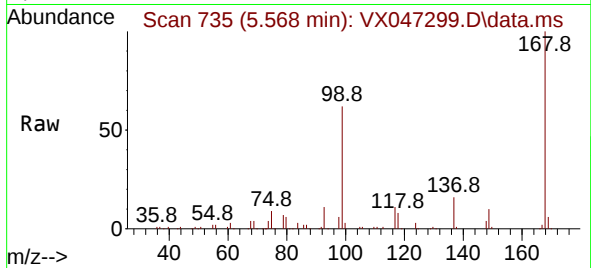




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

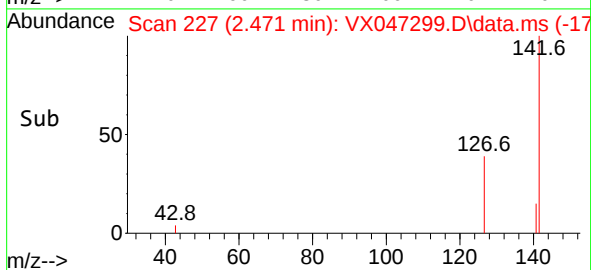
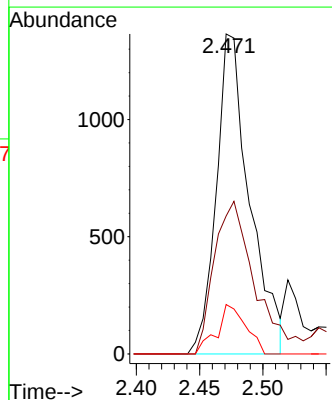
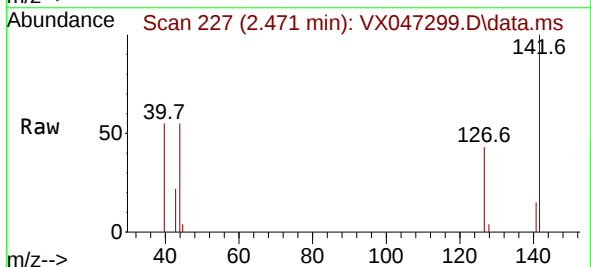
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

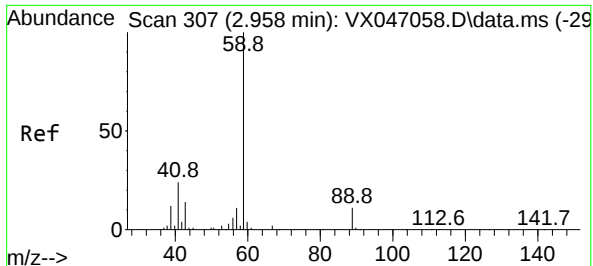
Tgt Ion:168 Resp: 224812
Ion Ratio Lower Upper
168 100
99 62.4 48.0 72.0



#10
Methyl Iodide
Concen: 0.861 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Tgt Ion:142 Resp: 2504
Ion Ratio Lower Upper
142 100
127 58.5 36.6 54.8#
141 13.5 10.9 16.3

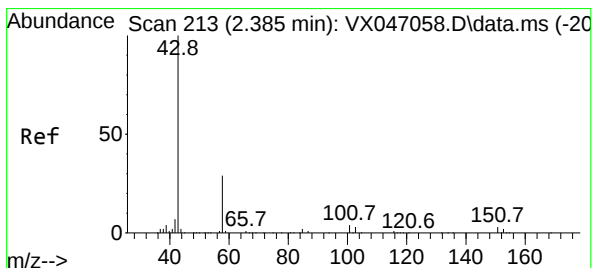
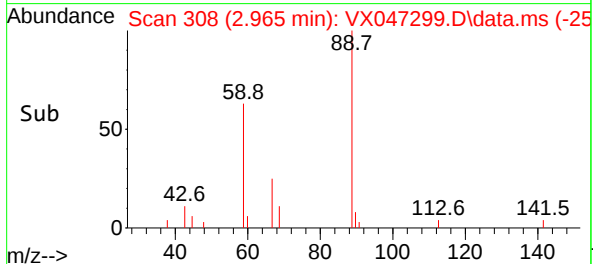
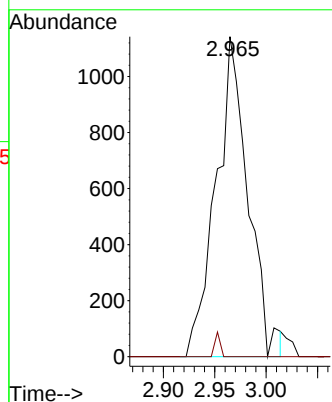
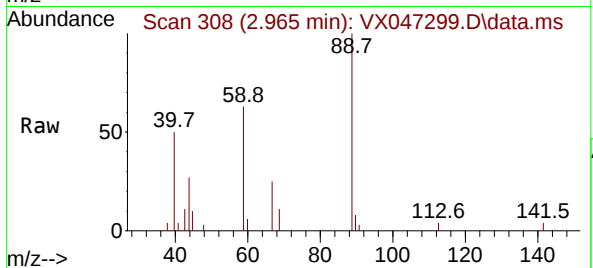




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 307
Delta R.T. 0.007 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

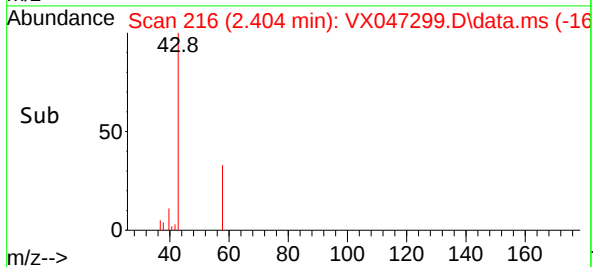
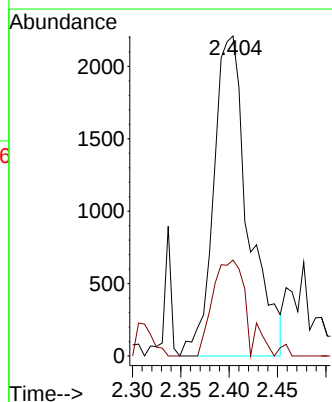
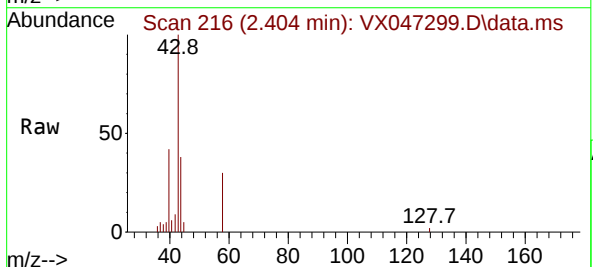
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

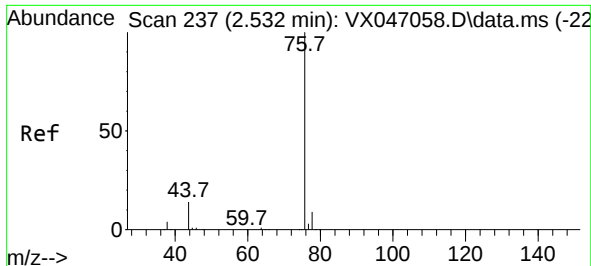
Tgt Ion: 59 Resp: 2472
Ion Ratio Lower Upper
59 100
57 1.3 8.5 12.7#



#16
Acetone
Concen: 4.905 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.019 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Tgt Ion: 43 Resp: 5503
Ion Ratio Lower Upper
43 100
58 21.7 24.0 36.0#





#17

Carbon Disulfide

Concen: 0.448 ug/l

RT: 2.532 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX047299.D

Acq: 12 Aug 2025 16:01

Instrument :

MSVOA_X

ClientSampleId :

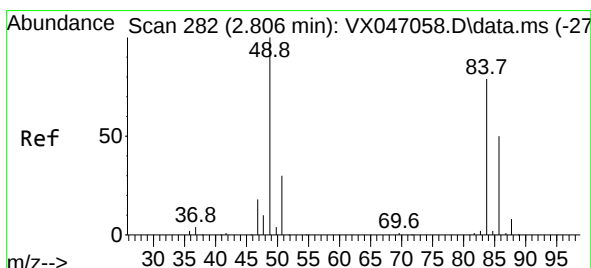
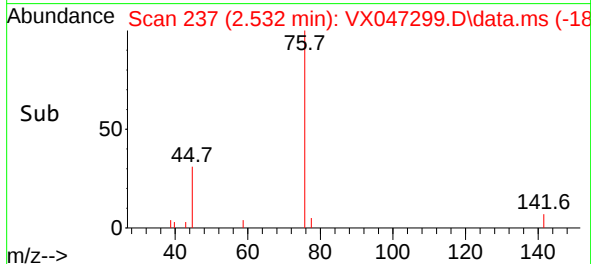
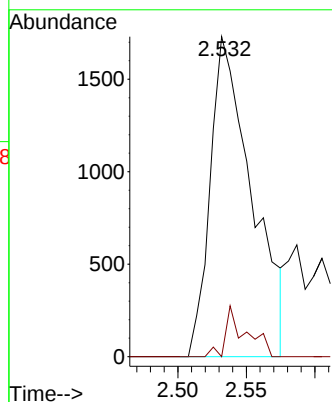
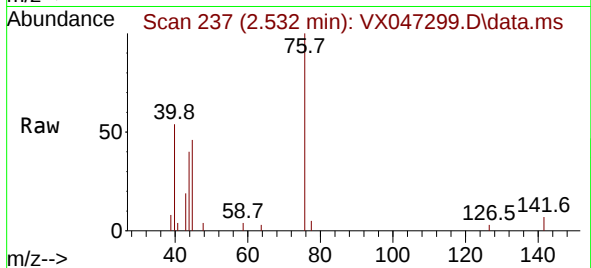
TW-38M-W

Tgt Ion: 76 Resp: 3658

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#20

Methylene Chloride

Concen: 0.302 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.000 min

Lab File: VX047299.D

Acq: 12 Aug 2025 16:01

Tgt Ion: 84 Resp: 932

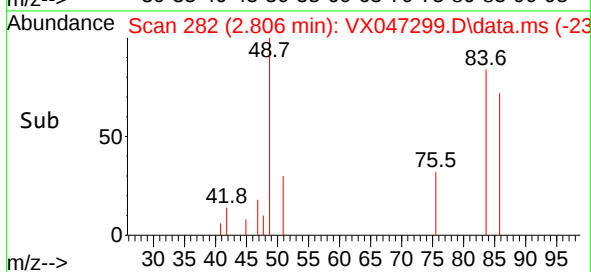
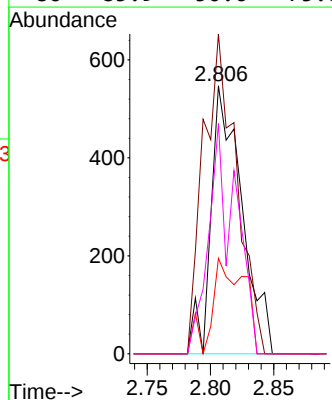
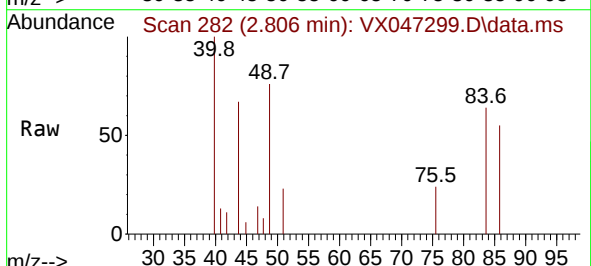
Ion Ratio Lower Upper

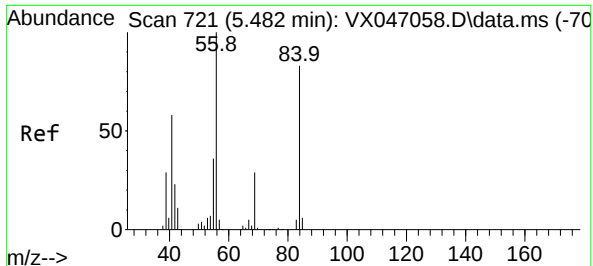
84 100

49 119.4 101.6 152.4

51 35.6 30.3 45.5

86 85.9 50.6 75.8#

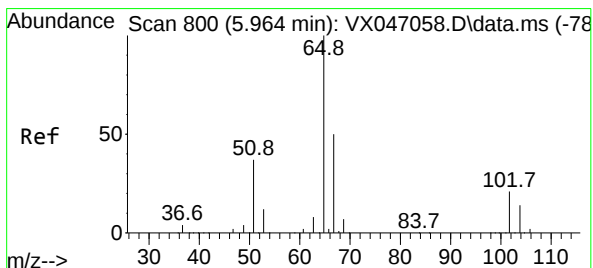
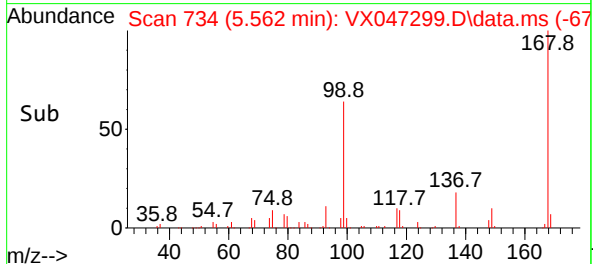
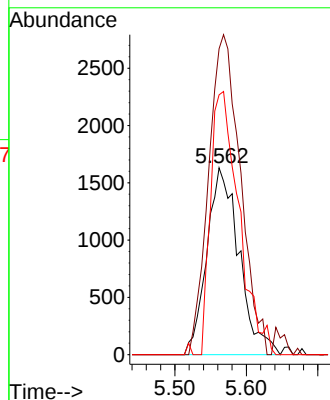
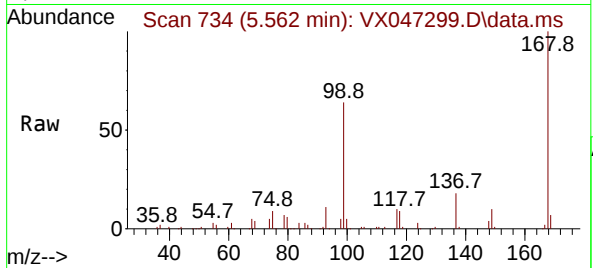




#31
Cyclohexane
Concen: 0.974 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.080 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

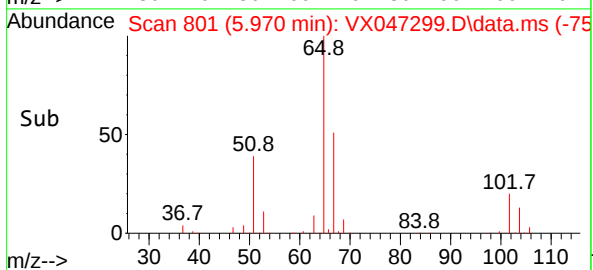
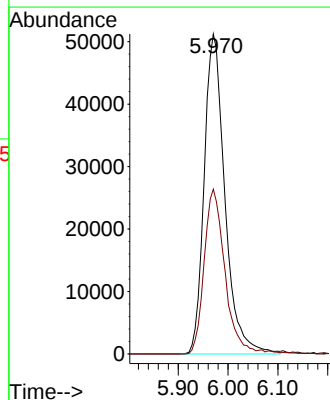
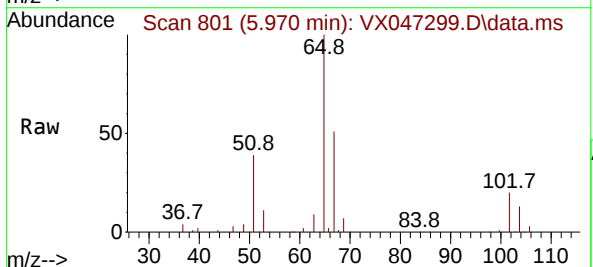
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

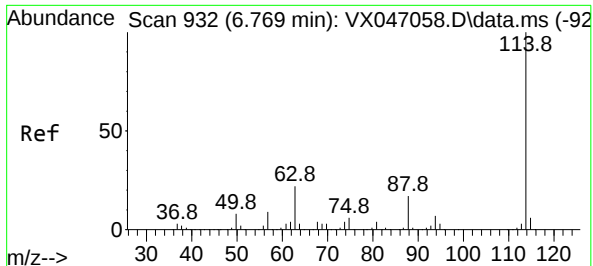
Tgt Ion: 56 Resp: 5101
Ion Ratio Lower Upper
56 100
69 163.7 23.3 34.9#
84 139.1 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 52.742 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Tgt Ion: 65 Resp: 147702
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8

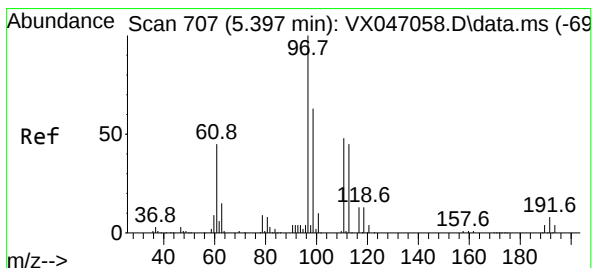
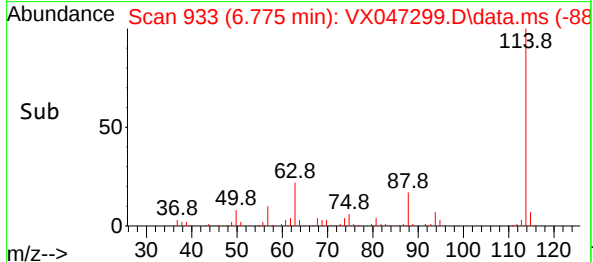
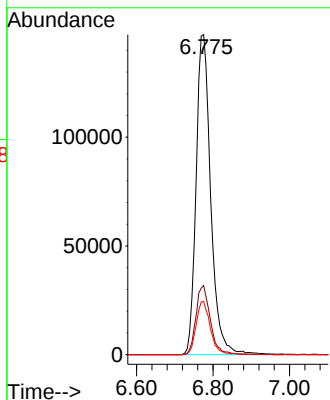
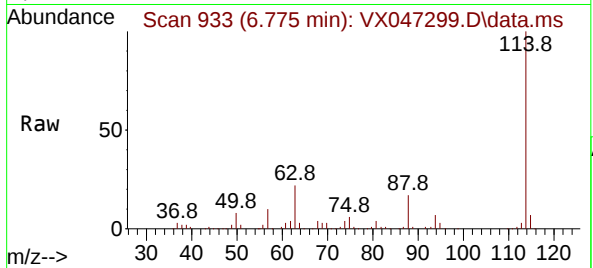




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

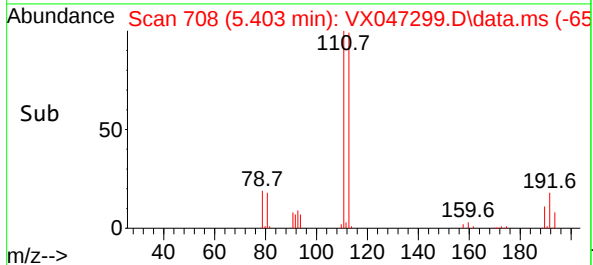
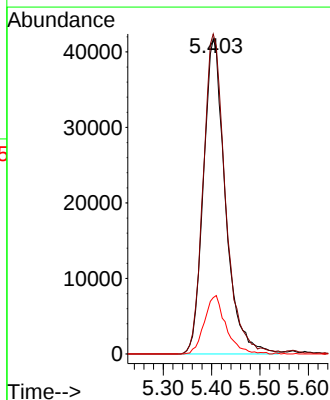
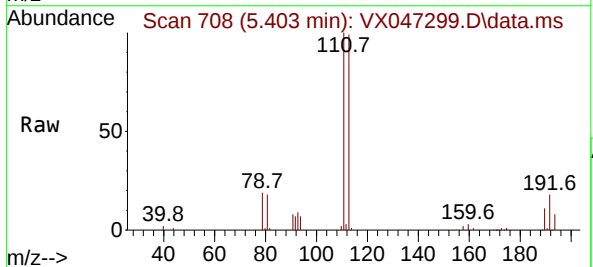
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

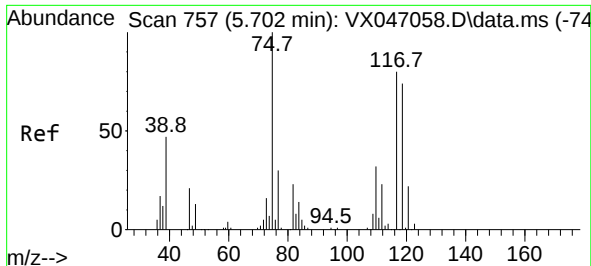
Tgt Ion:114 Resp: 391363
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.2
88 16.7 0.0 33.8



#35
Dibromofluoromethane
Concen: 54.371 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Tgt Ion:113 Resp: 131383
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 18.3 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.511 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX047299.D

Acq: 12 Aug 2025 16:01

Instrument :

MSVOA_X

ClientSampleId :

TW-38M-W

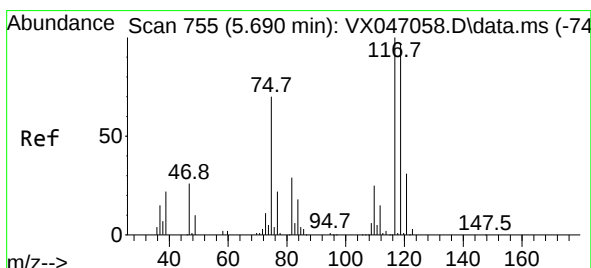
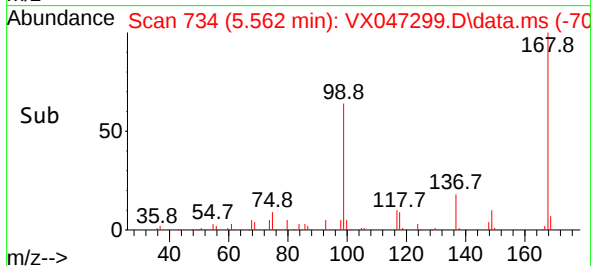
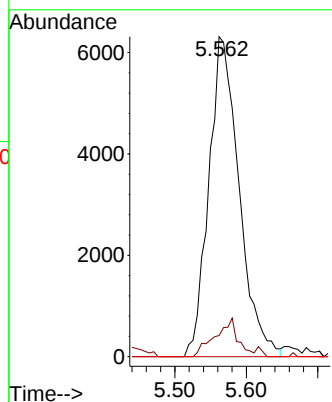
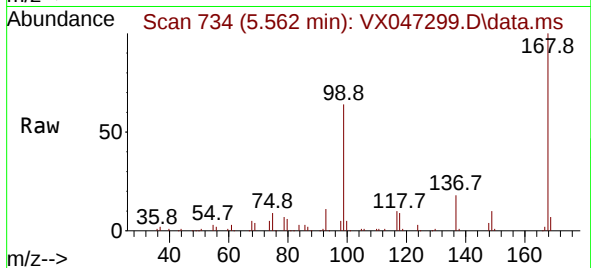
Tgt Ion: 75 Resp: 18579

Ion Ratio Lower Upper

75 100

110 9.0 17.2 51.5#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.324 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.122 min

Lab File: VX047299.D

Acq: 12 Aug 2025 16:01

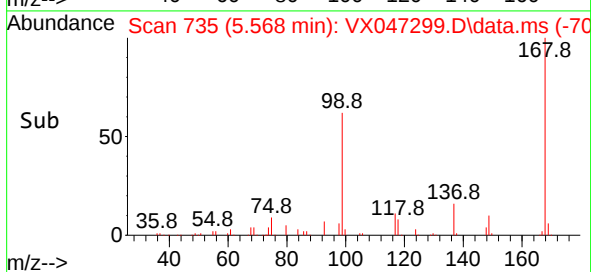
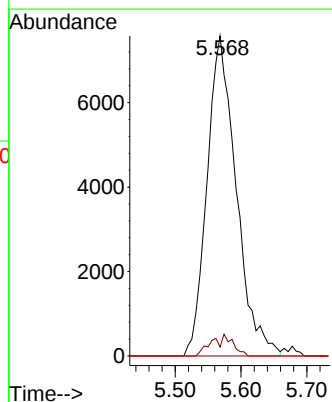
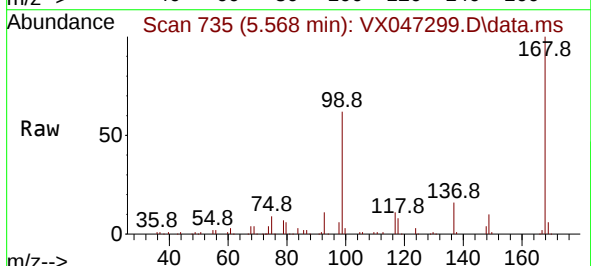
Tgt Ion: 117 Resp: 23405

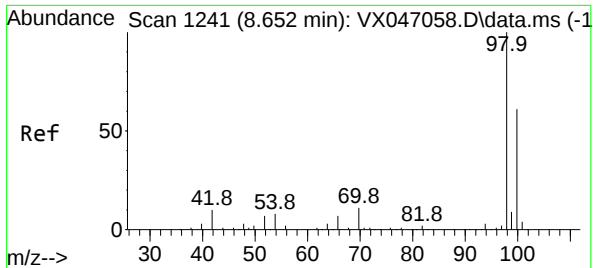
Ion Ratio Lower Upper

117 100

119 2.8 76.6 115.0#

121 0.0 24.4 36.6#

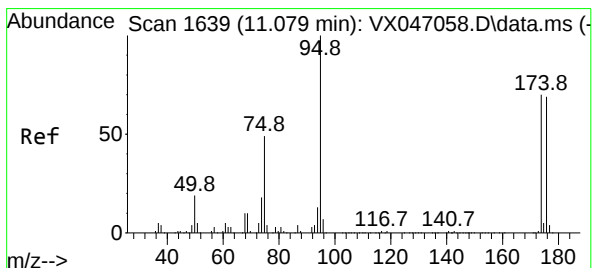
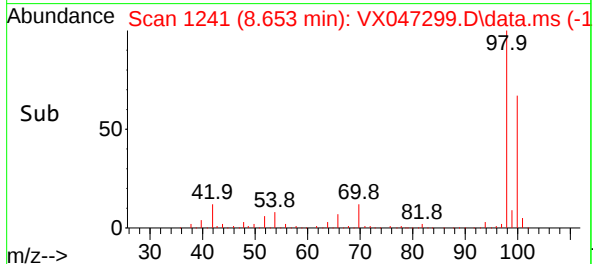
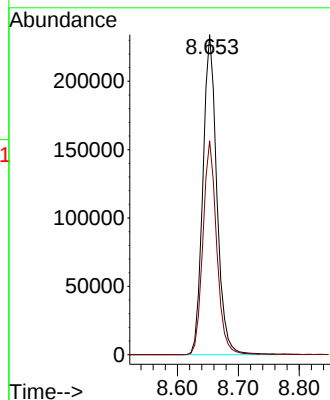
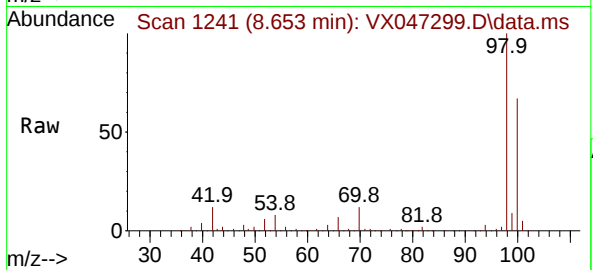




#50
Toluene-d8
Concen: 47.695 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

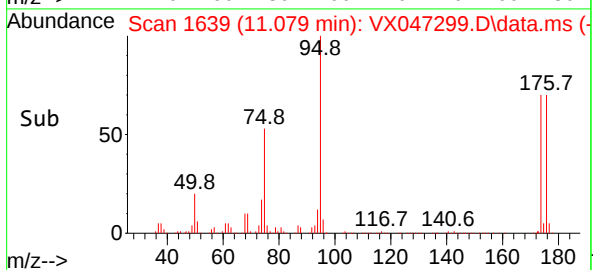
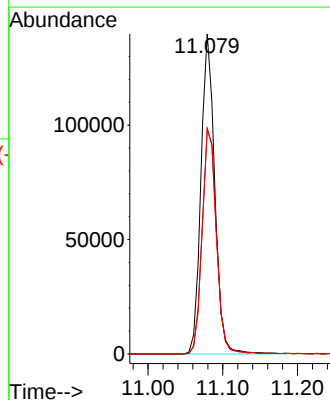
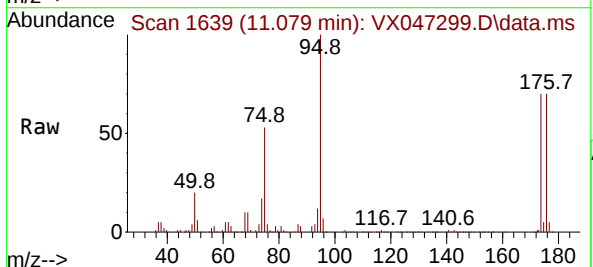
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

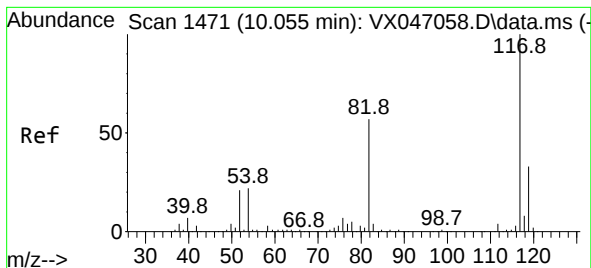
Tgt Ion: 98 Resp: 373235
Ion Ratio Lower Upper
98 100
100 66.0 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 53.114 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Tgt Ion: 95 Resp: 179117
Ion Ratio Lower Upper
95 100
174 73.5 0.0 144.6
176 71.8 0.0 139.6

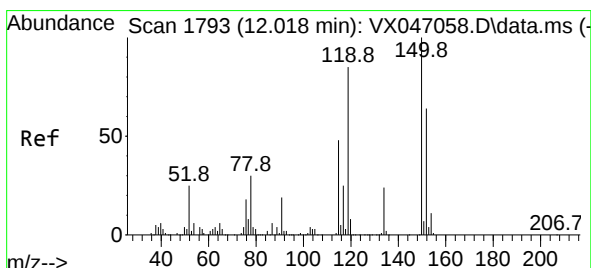
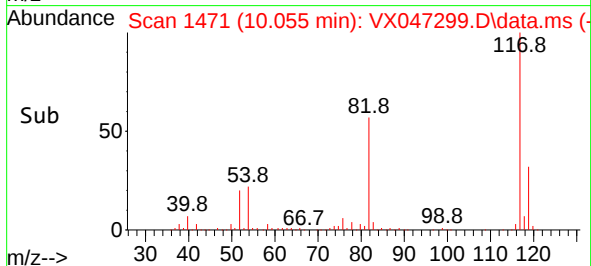
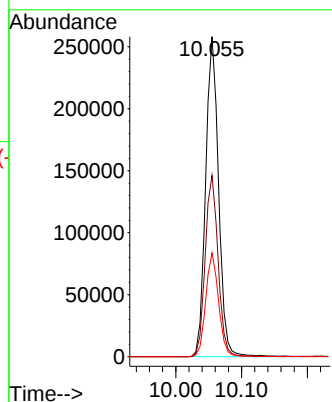
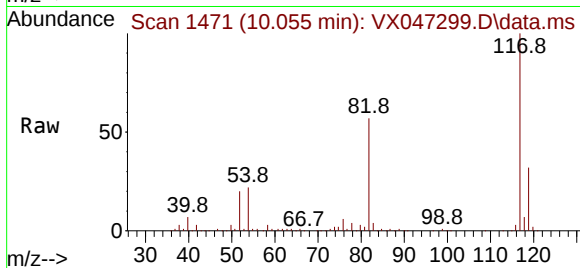




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

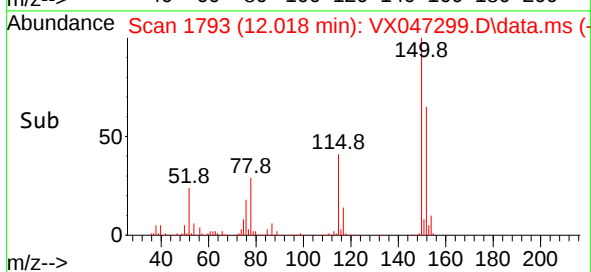
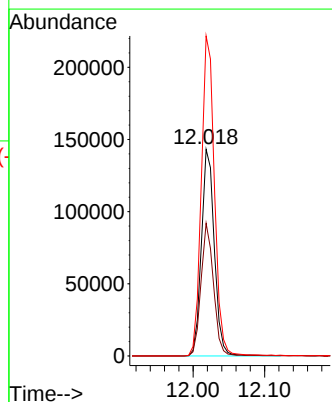
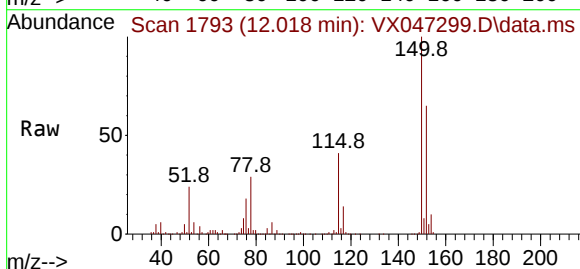
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

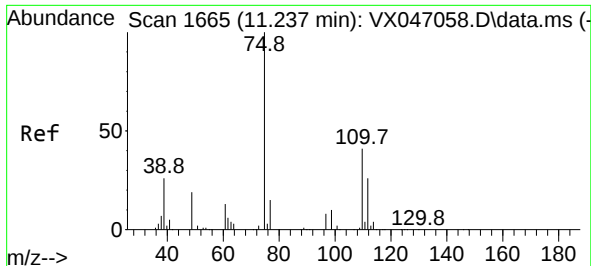
Tgt Ion:117 Resp: 352853
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.2
119 32.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Tgt Ion:152 Resp: 180111
Ion Ratio Lower Upper
152 100
115 62.2 45.6 136.7
150 157.1 0.0 354.6

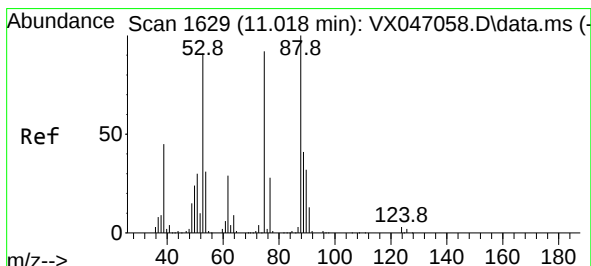
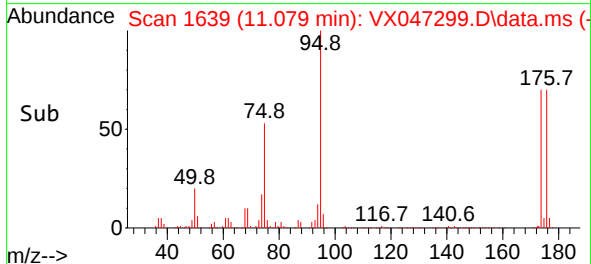
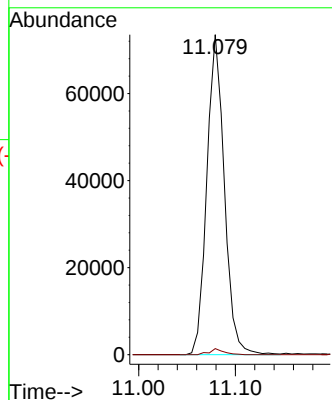
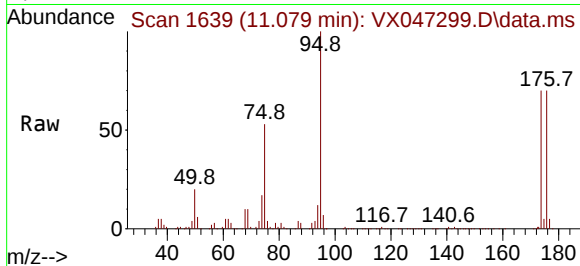




#76
1,2,3-Trichloropropane
Concen: 27.745 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

Tgt Ion: 75 Resp: 92494
Ion Ratio Lower Upper
75 100
77 1.5 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.481 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Tgt Ion: 75 Resp: 92494
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

