

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
 Data File : VX047653.D
 Acq On : 18 Sep 2025 19:32
 Operator : JC/MD
 Sample : Q3095-28
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D3-20250910

Quant Time: Sep 22 03:43:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

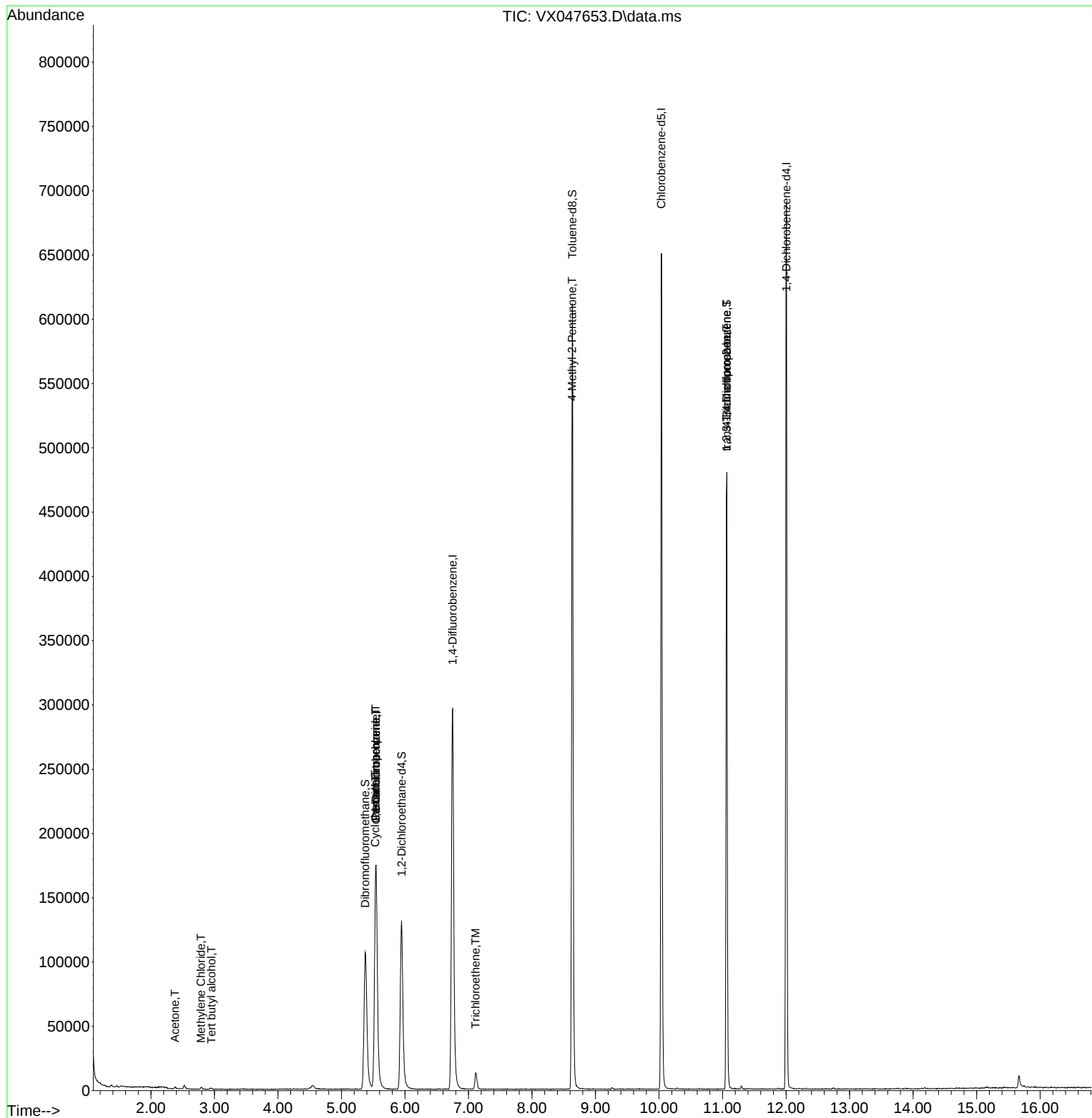
Internal Standards						
1) Pentafluorobenzene	5.543	168	175250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	326969	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	296847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	141916	50.874	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.740%	
35) Dibromofluoromethane	5.373	113	105607	48.160	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.320%	
50) Toluene-d8	8.634	98	366591	48.314	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.620%	
62) 4-Bromofluorobenzene	11.067	95	139415	48.414	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.952	59	170	0.547	ug/l #	72
16) Acetone	2.379	43	2093	1.726	ug/l	96
20) Methylene Chloride	2.788	84	732	0.285	ug/l #	89
31) Cyclohexane	5.531	56	4161	1.129	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	15382	4.801	ug/l #	49
38) Carbon Tetrachloride	5.537	117	18957	5.445	ug/l #	17
44) Trichloroethene	7.110	130	5470	2.325	ug/l	93
51) 4-Methyl-2-Pentanone	8.628	43	1798	0.576	ug/l #	1
76) 1,2,3-Trichloropropane	11.061	75	73038	24.919	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	73038	63.548	ug/l #	8

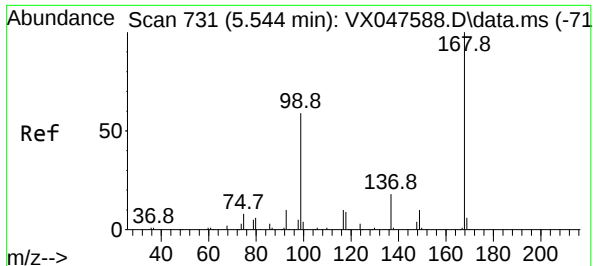
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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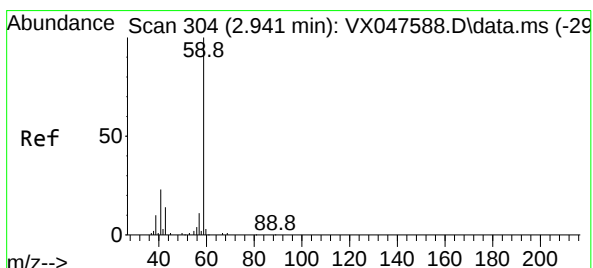
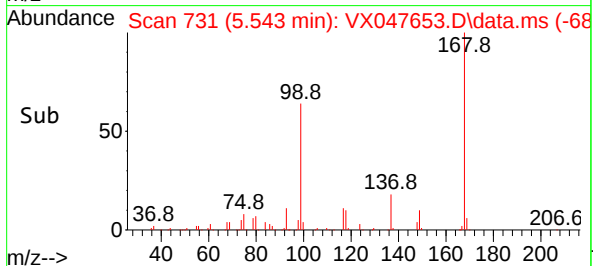
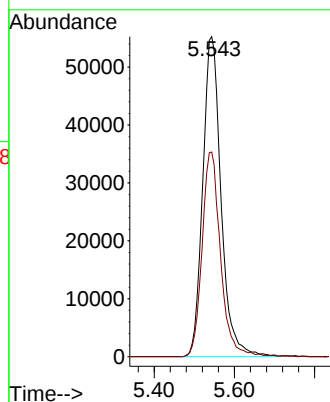
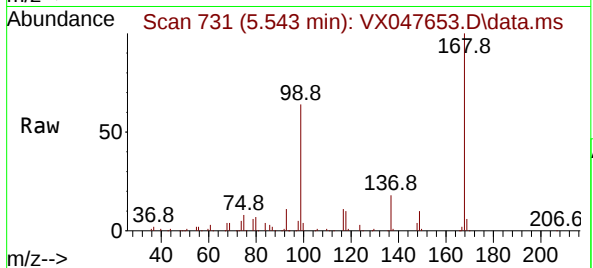




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

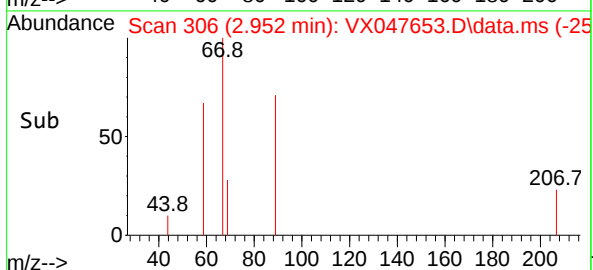
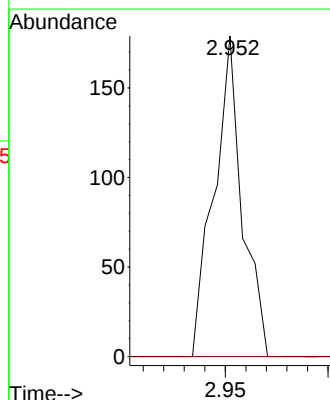
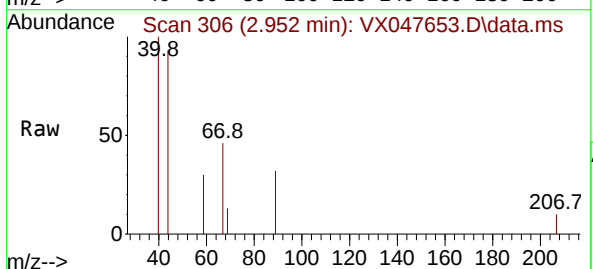
Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20250910

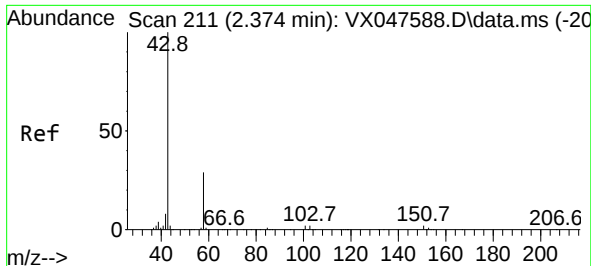
Tgt Ion:168 Resp: 175250
Ion Ratio Lower Upper
168 100
99 63.9 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.547 ug/l
RT: 2.952 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

Tgt Ion: 59 Resp: 170
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

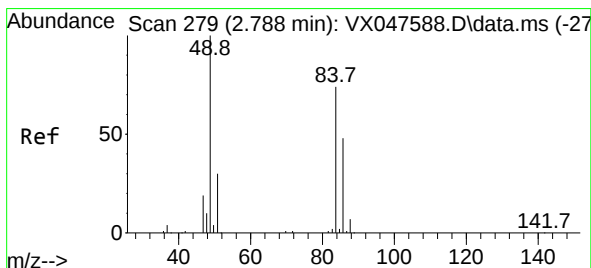
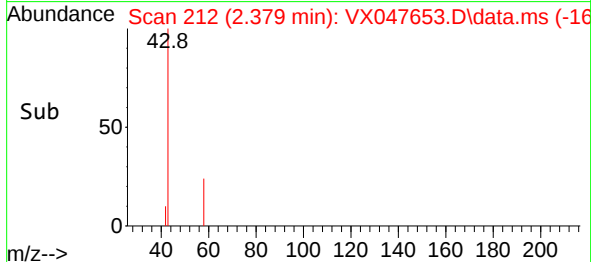
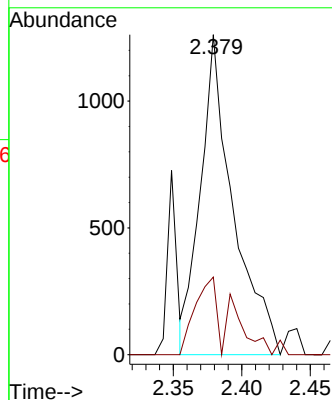
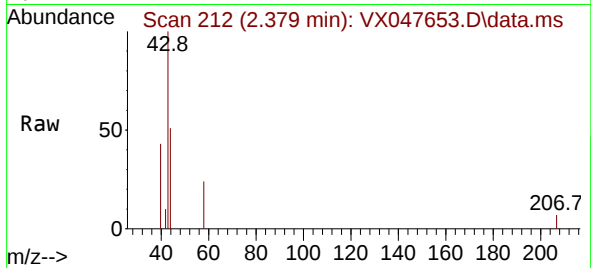




#16
Acetone
Concen: 1.726 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

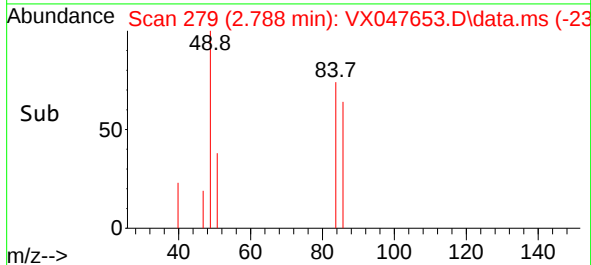
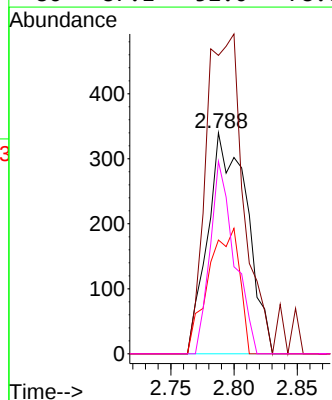
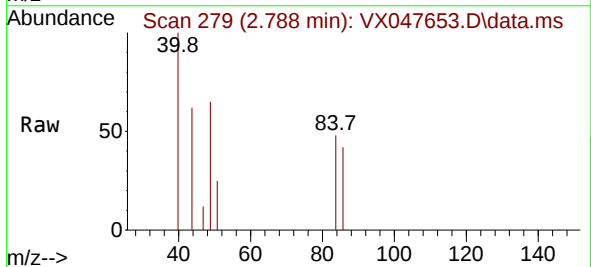
Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20250910

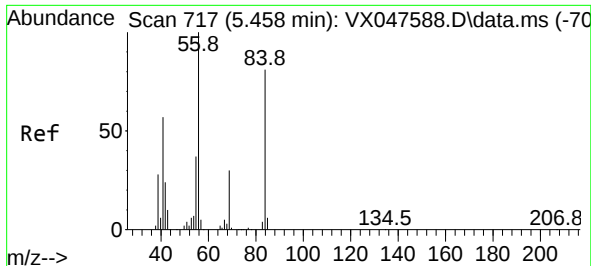
Tgt Ion: 43 Resp: 2093
Ion Ratio Lower Upper
43 100
58 27.2 23.4 35.0



#20
Methylene Chloride
Concen: 0.285 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.001 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

Tgt Ion: 84 Resp: 732
Ion Ratio Lower Upper
84 100
49 135.0 108.6 162.8
51 51.5 32.6 48.8#
86 87.1 52.0 78.0#

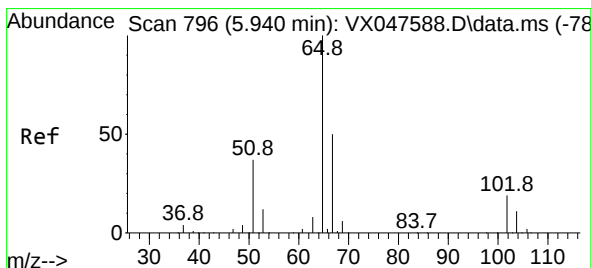
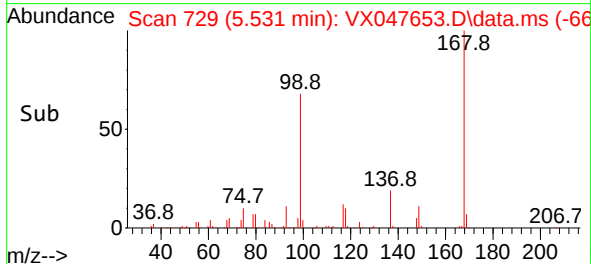
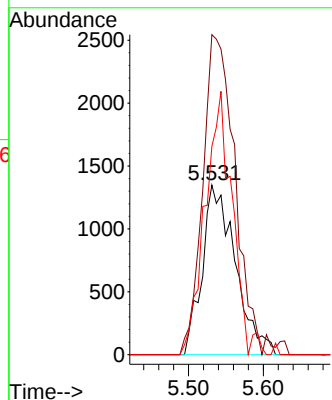
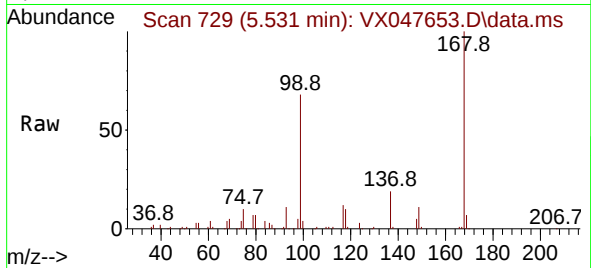




#31
Cyclohexane
Concen: 1.129 ug/l
RT: 5.531 min Scan# 717
Delta R.T. 0.073 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

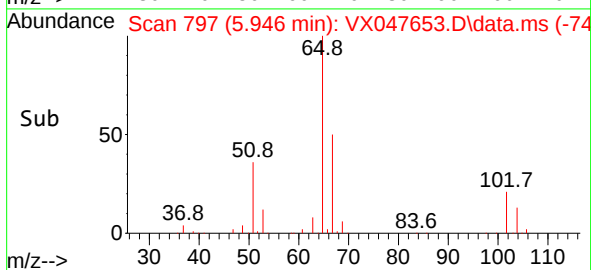
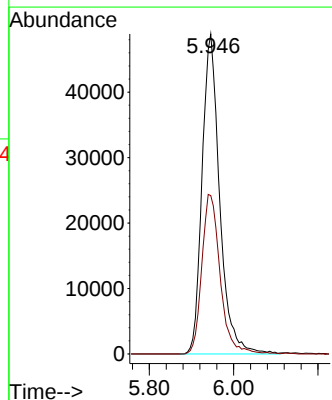
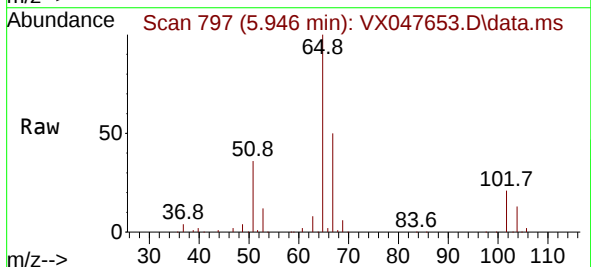
Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20250910

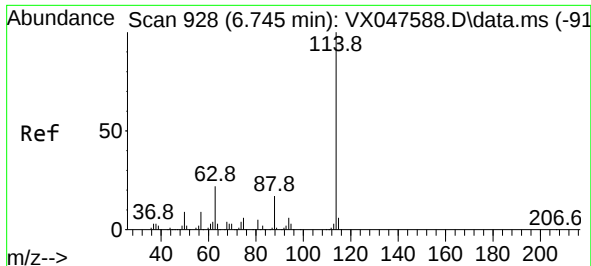
Tgt Ion: 56 Resp: 4161
Ion Ratio Lower Upper
56 100
69 188.7 23.8 35.8#
84 122.8 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 50.874 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

Tgt Ion: 65 Resp: 141916
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.0

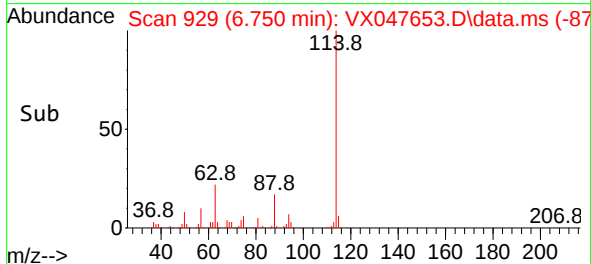
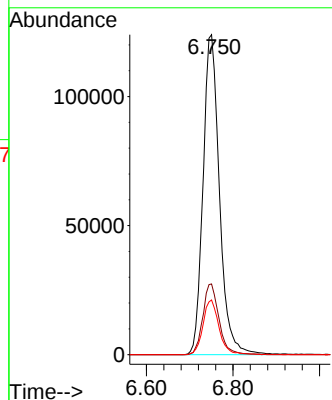
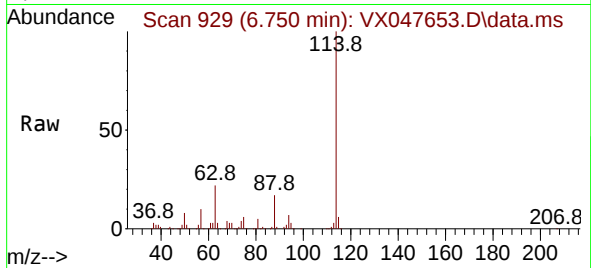




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

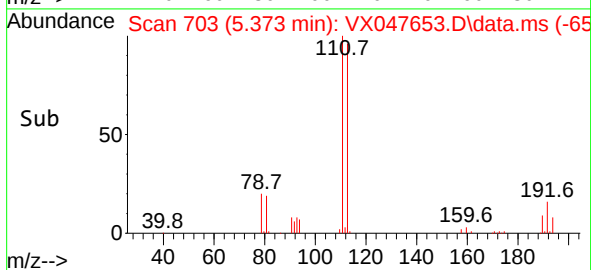
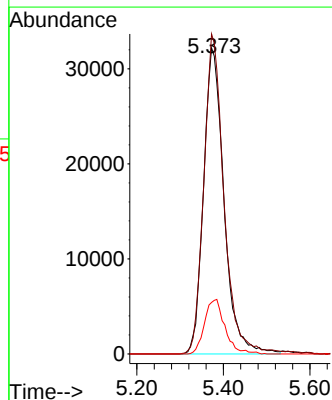
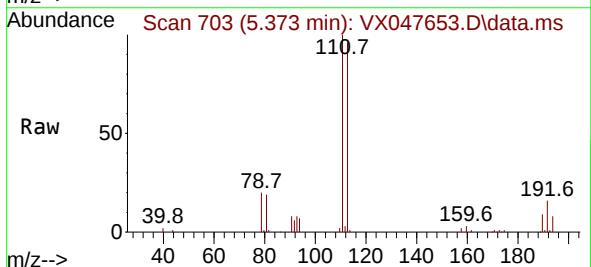
Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20250910

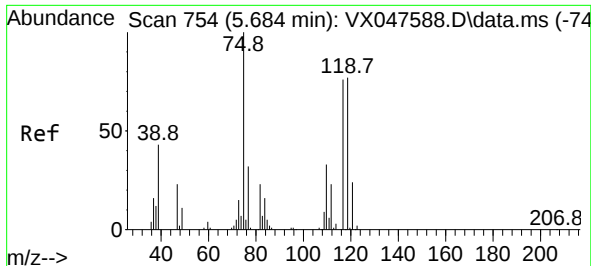
Tgt Ion:114 Resp: 326969
Ion Ratio Lower Upper
114 100
63 22.1 0.0 44.0
88 17.1 0.0 34.2



#35
Dibromofluoromethane
Concen: 48.160 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

Tgt Ion:113 Resp: 105607
Ion Ratio Lower Upper
113 100
111 102.8 80.9 121.3
192 17.8 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.801 ug/l

RT: 5.537 min Scan# 71

Delta R.T. -0.147 min

Lab File: VX047653.D

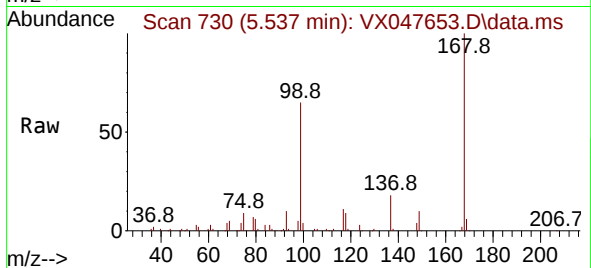
Acq: 18 Sep 2025 19:32

Instrument :

MSVOA_X

ClientSampleId :

RE104D3-20250910



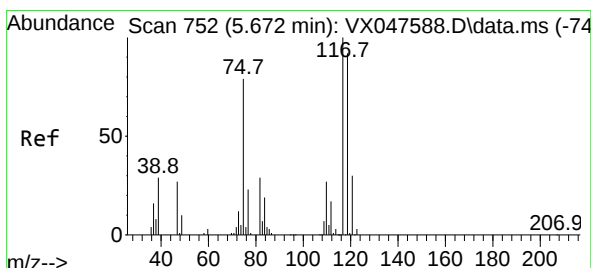
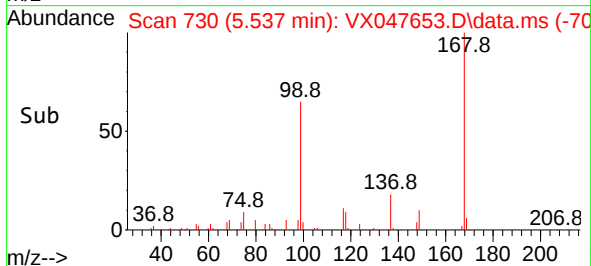
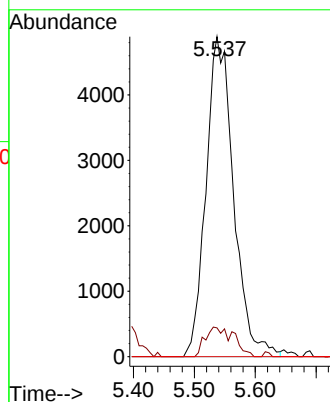
Tgt Ion: 75 Resp: 15382

Ion Ratio Lower Upper

75 100

110 6.9 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.445 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.135 min

Lab File: VX047653.D

Acq: 18 Sep 2025 19:32

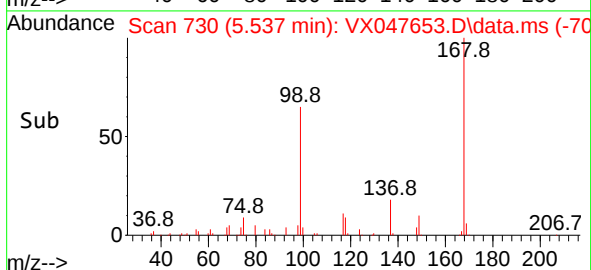
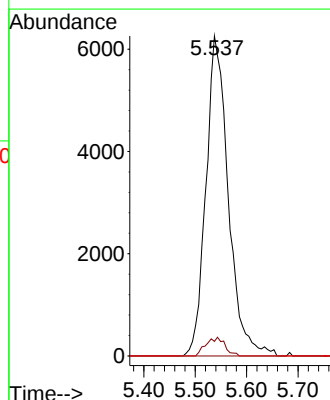
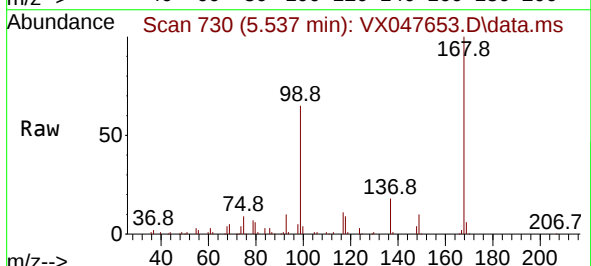
Tgt Ion: 117 Resp: 18957

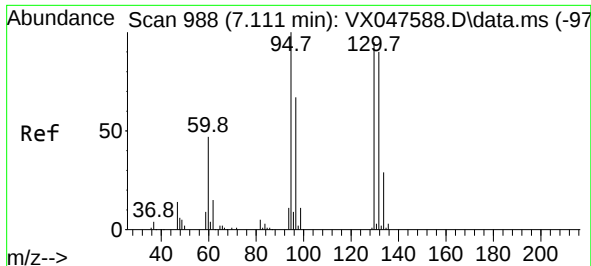
Ion Ratio Lower Upper

117 100

119 4.6 73.4 110.2#

121 0.0 23.8 35.6#

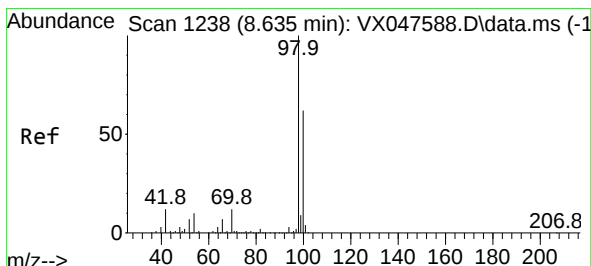
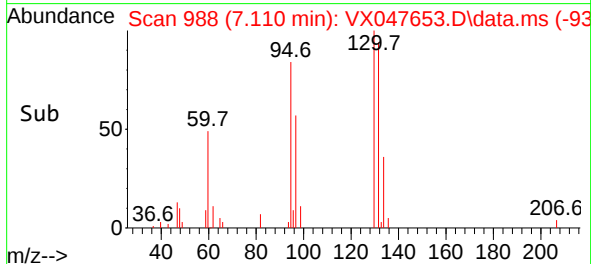
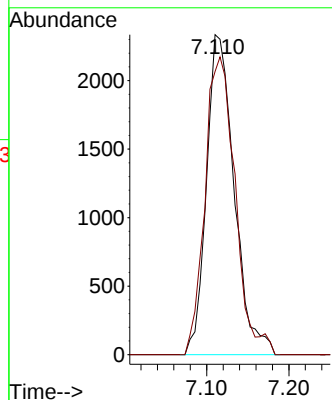
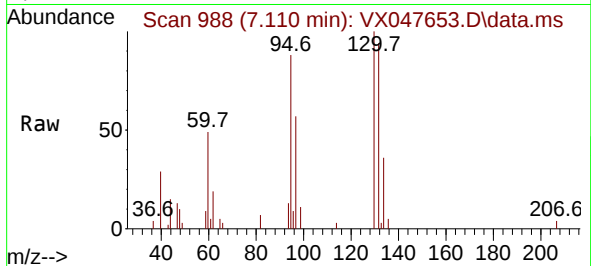




#44
 Trichloroethene
 Concen: 2.325 ug/l
 RT: 7.110 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX047653.D
 Acq: 18 Sep 2025 19:32

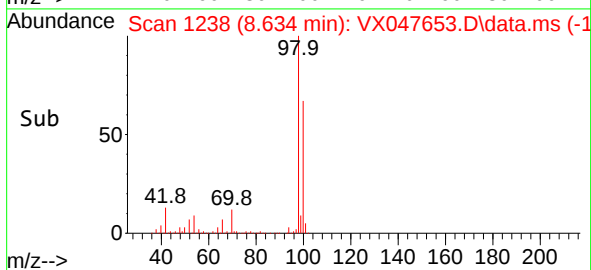
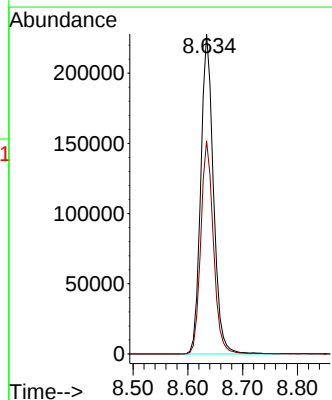
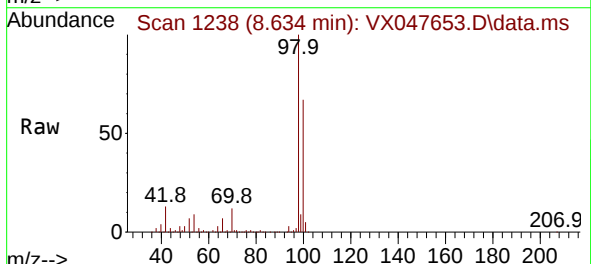
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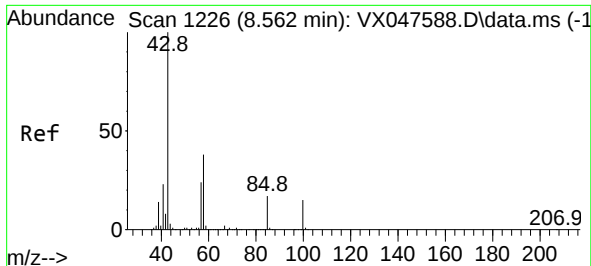
Tgt Ion:130 Resp: 5470
 Ion Ratio Lower Upper
 130 100
 95 97.7 0.0 210.8



#50
 Toluene-d8
 Concen: 48.314 ug/l
 RT: 8.634 min Scan# 1238
 Delta R.T. -0.001 min
 Lab File: VX047653.D
 Acq: 18 Sep 2025 19:32

Tgt Ion: 98 Resp: 366591
 Ion Ratio Lower Upper
 98 100
 100 66.4 53.0 79.4

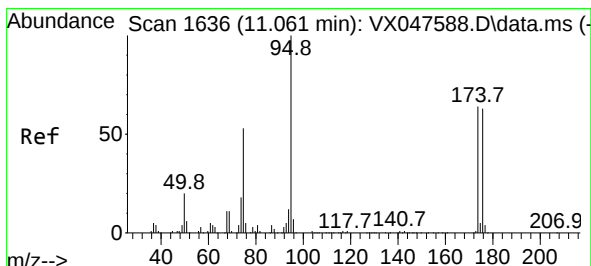
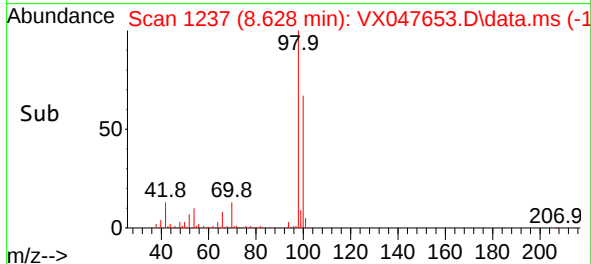
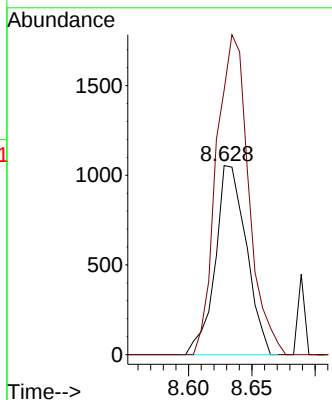
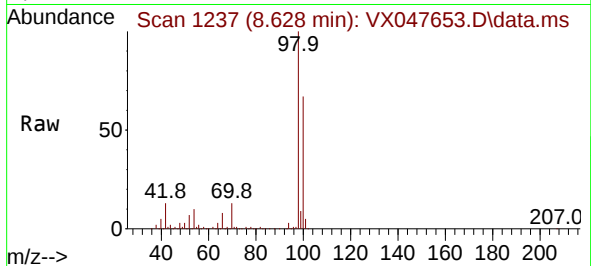




#51
4-Methyl-2-Pentanone
Concen: 0.576 ug/l
RT: 8.628 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

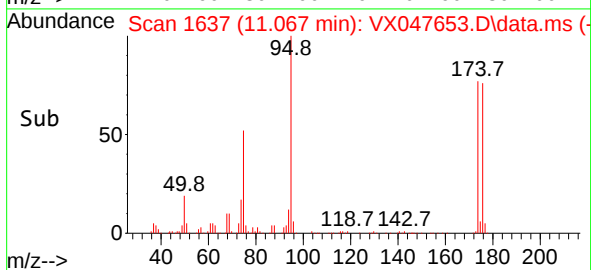
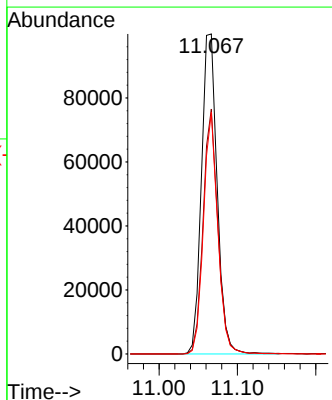
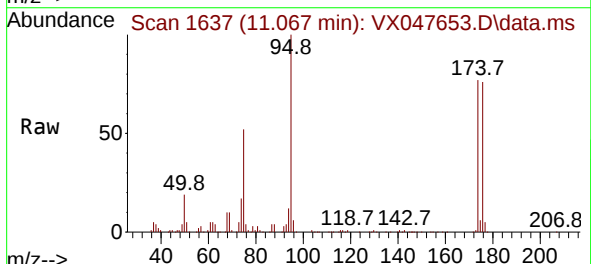
Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20250910

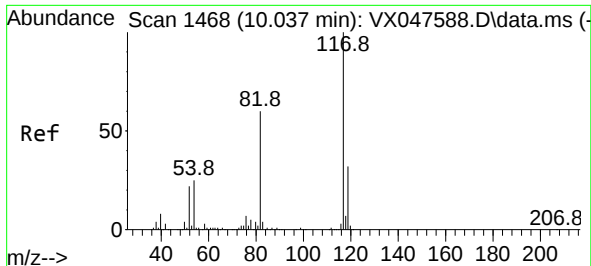
Tgt Ion: 43 Resp: 1798
Ion Ratio Lower Upper
43 100
58 176.0 30.3 45.5#



#62
4-Bromofluorobenzene
Concen: 48.414 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

Tgt Ion: 95 Resp: 139415
Ion Ratio Lower Upper
95 100
174 71.8 0.0 141.6
176 68.8 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.036 min Scan# 1468

Delta R.T. -0.001 min

Lab File: VX047653.D

Acq: 18 Sep 2025 19:32

Instrument :

MSVOA_X

ClientSampleId :

RE104D3-20250910

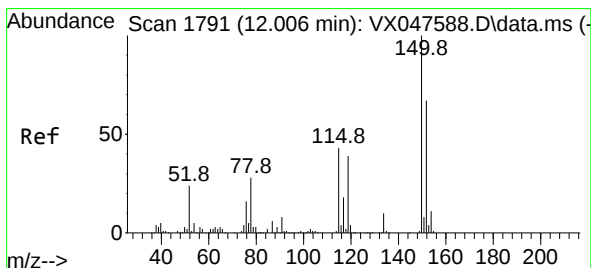
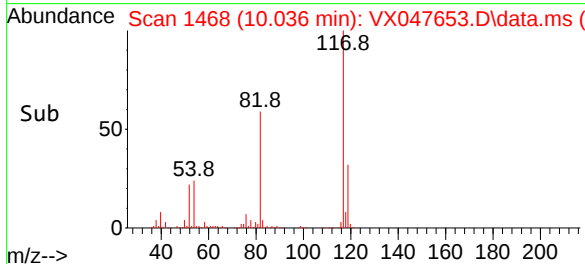
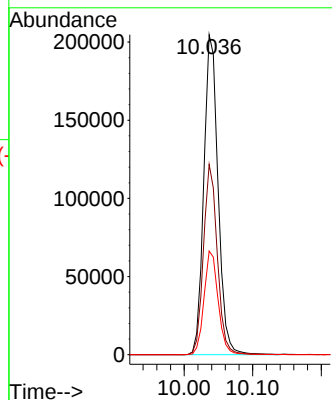
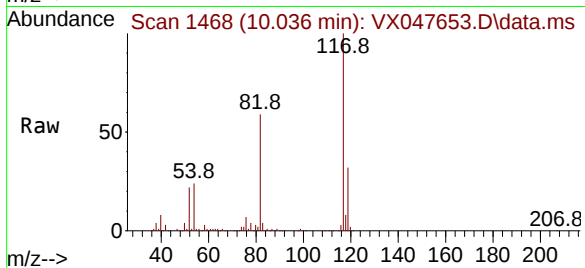
Tgt Ion:117 Resp: 296847

Ion Ratio Lower Upper

117 100

82 59.5 47.8 71.6

119 32.4 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047653.D

Acq: 18 Sep 2025 19:32

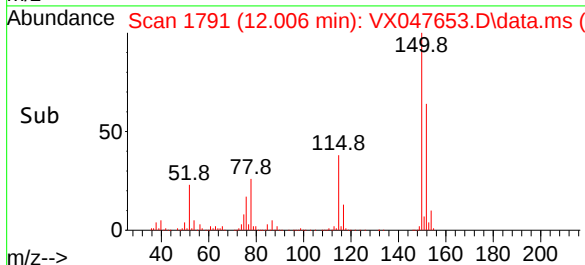
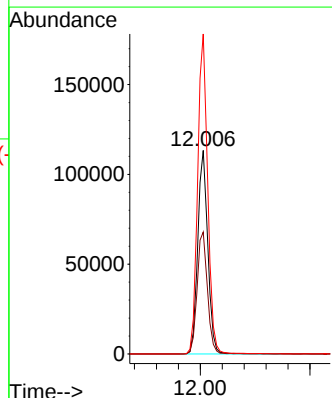
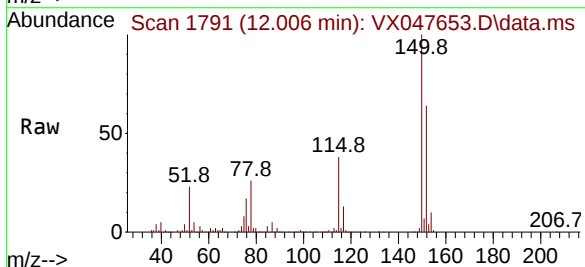
Tgt Ion:152 Resp: 144761

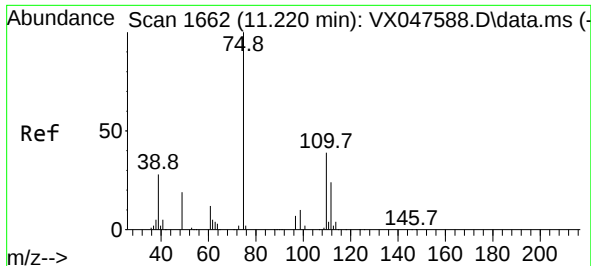
Ion Ratio Lower Upper

152 100

115 61.8 44.9 134.5

150 157.7 0.0 352.0

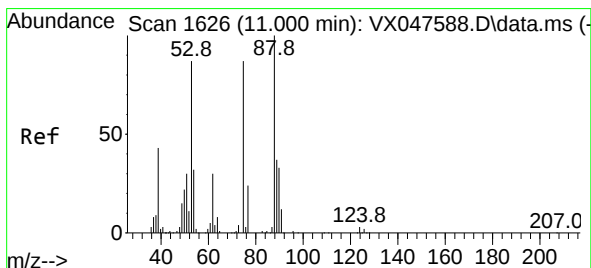
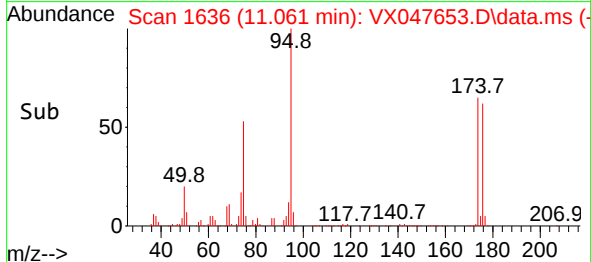
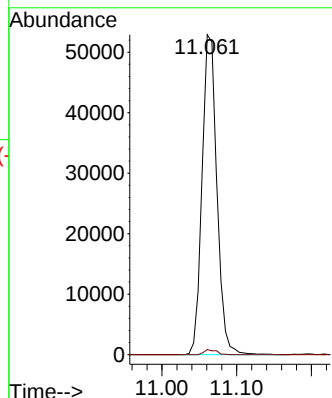
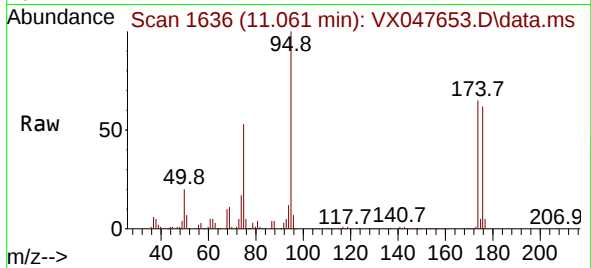




#76
1,2,3-Trichloropropane
Concen: 24.919 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20250910

Tgt Ion: 75 Resp: 73038
Ion Ratio Lower Upper
75 100
77 1.3 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.548 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.060 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

Tgt Ion: 75 Resp: 73038
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

