

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022794.D
 Acq On : 24 Jun 2025 13:55
 Operator : SY/MD
 Sample : Q2392-02
 Misc : 5.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-1A

Quant Time: Jun 25 01:25:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

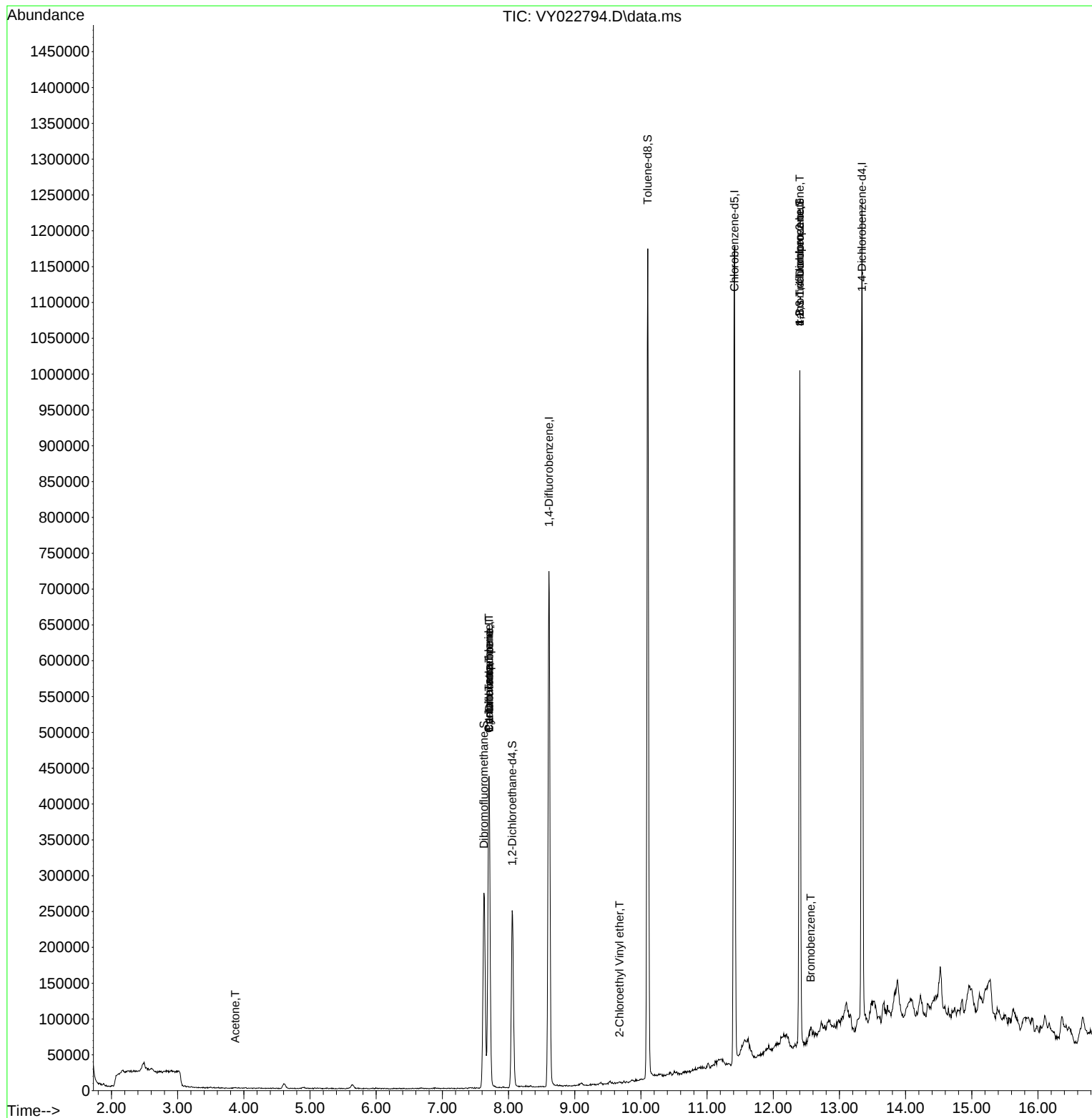
Internal Standards						
1) Pentafluorobenzene	7.707	168	337439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	618561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	592770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	269981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	193901	51.485	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.980%	
35) Dibromofluoromethane	7.628	113	191589	50.930	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.860%	
50) Toluene-d8	10.103	98	736519	49.340	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.680%	
62) 4-Bromofluorobenzene	12.401	95	270040	56.274	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.540%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	1529	2.148	ug/l #	77
31) Cyclohexane	7.701	56	8362	1.293	ug/l #	23
36) 1,1-Dichloropropene	7.707	75	28578	5.012	ug/l #	51
38) Carbon Tetrachloride	7.701	117	33922	5.638	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.676	63	59	15.681	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	151784	55.068	ug/l #	100
77) Bromobenzene	12.566	156	11220	2.479	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.401	75	151784	139.125	ug/l #	11

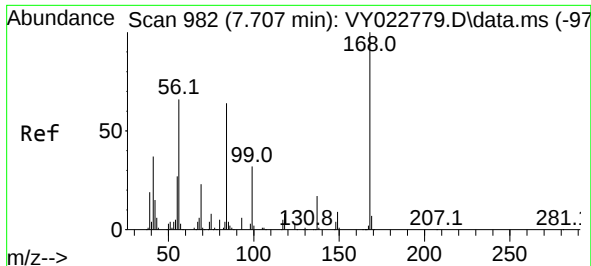
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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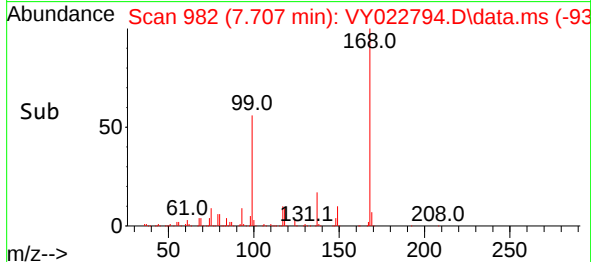
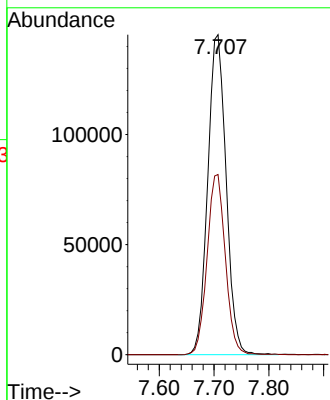
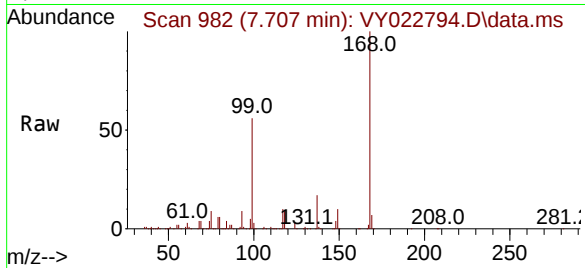




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022794.D
Acq: 24 Jun 2025 13:55

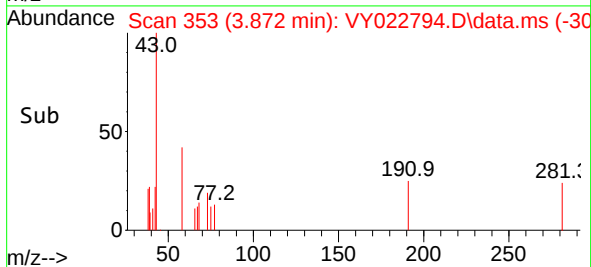
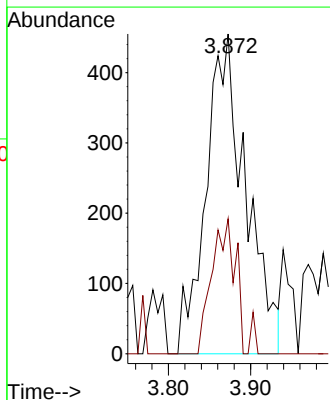
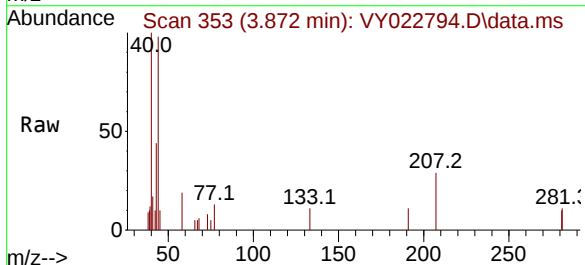
Instrument :
MSVOA_Y
ClientSampleId :
S-1A

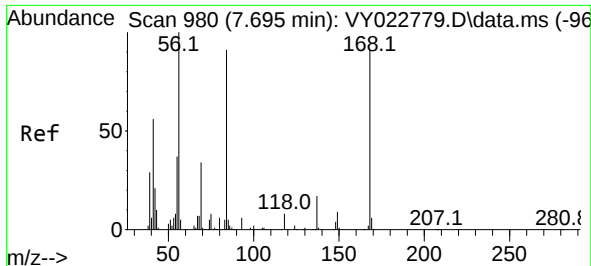
Tgt Ion:168 Resp: 337439
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#16
Acetone
Concen: 2.148 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022794.D
Acq: 24 Jun 2025 13:55

Tgt Ion: 43 Resp: 1529
Ion Ratio Lower Upper
43 100
58 42.2 24.0 36.0#

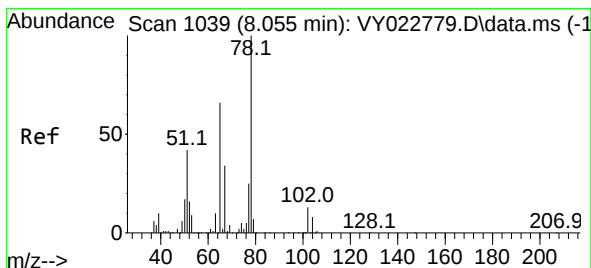
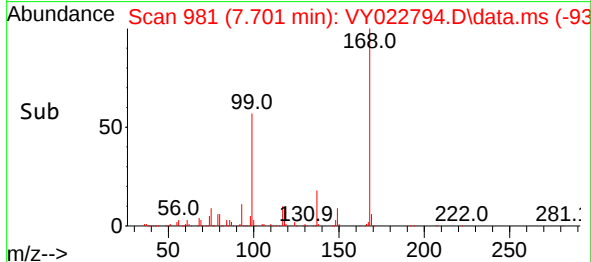
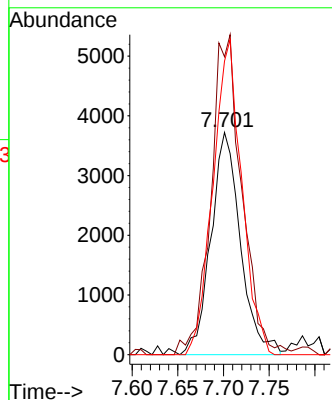
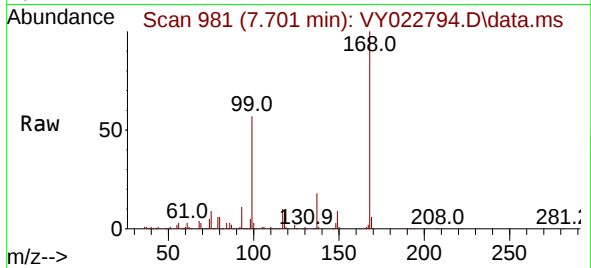




#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022794.D
Acq: 24 Jun 2025 13:55

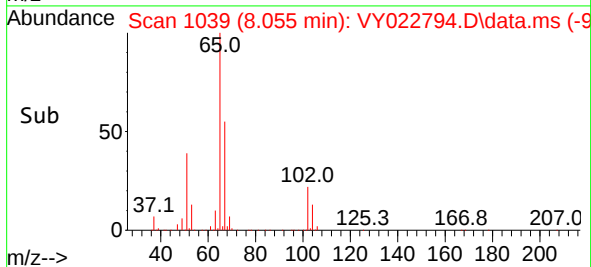
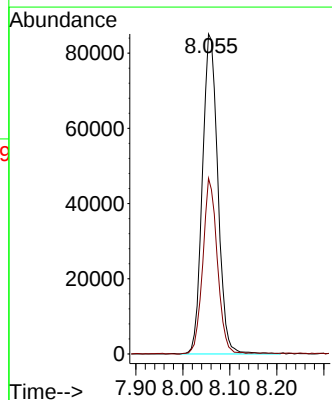
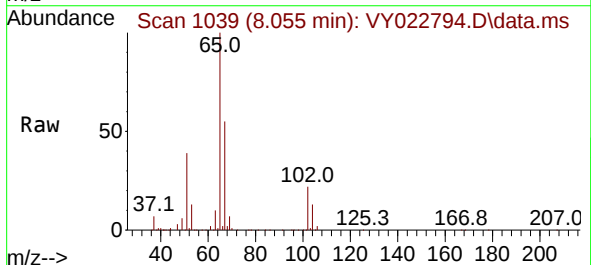
Instrument :
MSVOA_Y
ClientSampleId :
S-1A

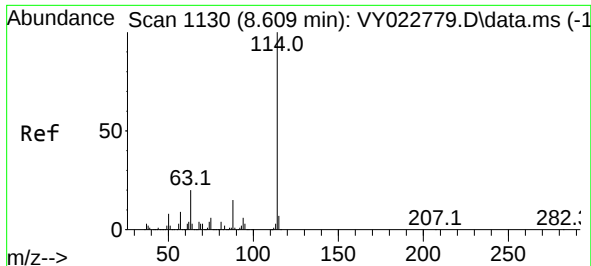
Tgt Ion: 56 Resp: 8362
Ion Ratio Lower Upper
56 100
69 129.9 27.0 40.6#
84 132.1 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 51.485 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022794.D
Acq: 24 Jun 2025 13:55

Tgt Ion: 65 Resp: 193901
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022794.D

Acq: 24 Jun 2025 13:55

Instrument :

MSVOA_Y

ClientSampleId :

S-1A

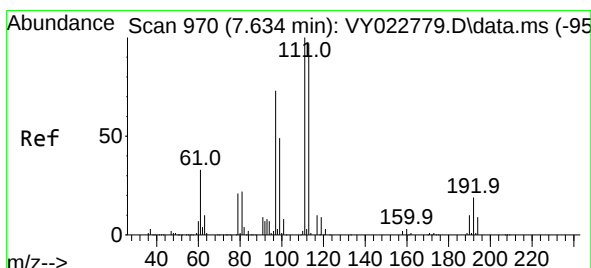
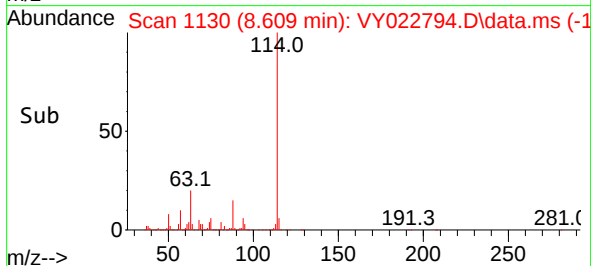
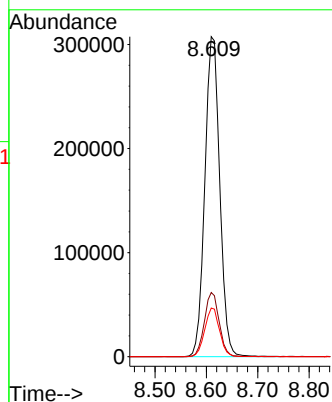
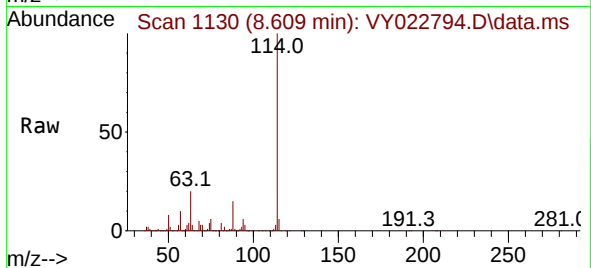
Tgt Ion:114 Resp: 618561

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 15.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.930 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022794.D

Acq: 24 Jun 2025 13:55

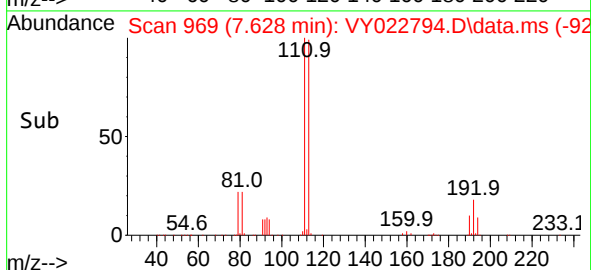
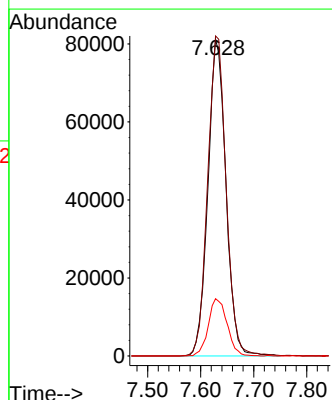
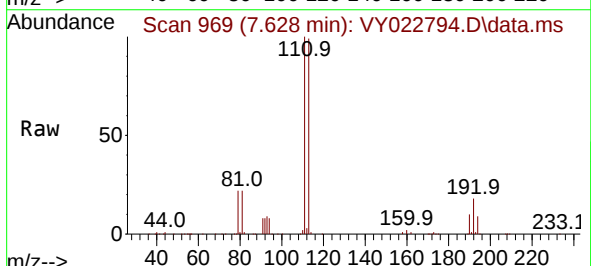
Tgt Ion:113 Resp: 191589

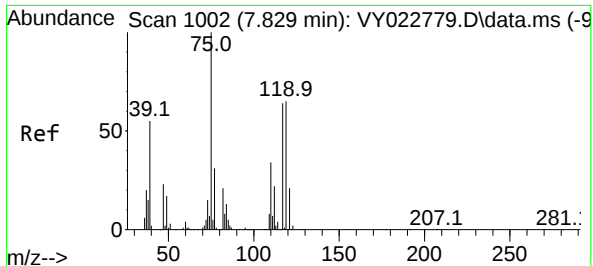
Ion Ratio Lower Upper

113 100

111 103.2 81.1 121.7

192 18.9 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.012 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022794.D

Acq: 24 Jun 2025 13:55

Instrument :

MSVOA_Y

ClientSampleId :

S-1A

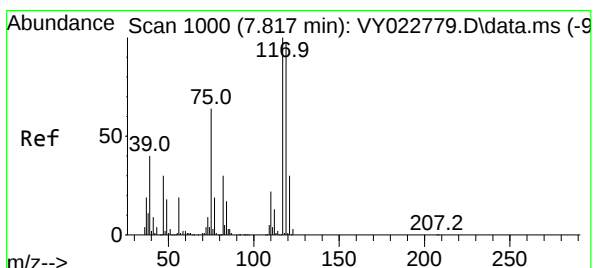
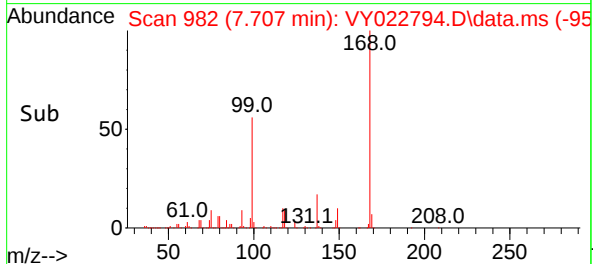
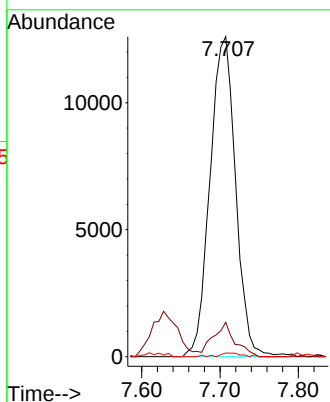
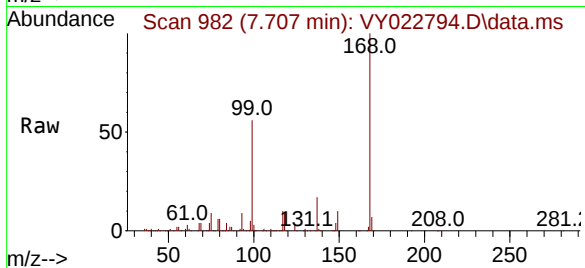
Tgt Ion: 75 Resp: 28578

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.7#

77 1.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.638 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY022794.D

Acq: 24 Jun 2025 13:55

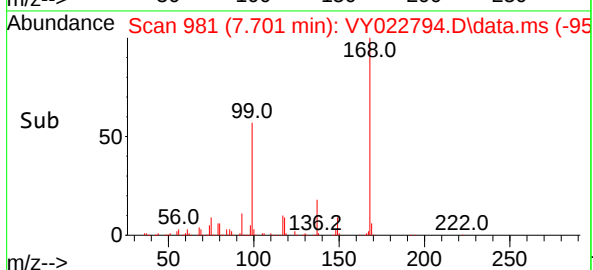
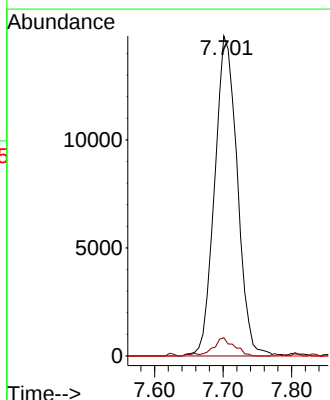
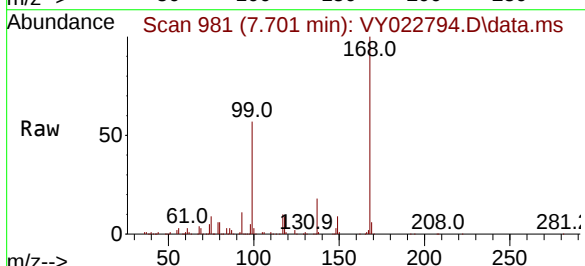
Tgt Ion: 117 Resp: 33922

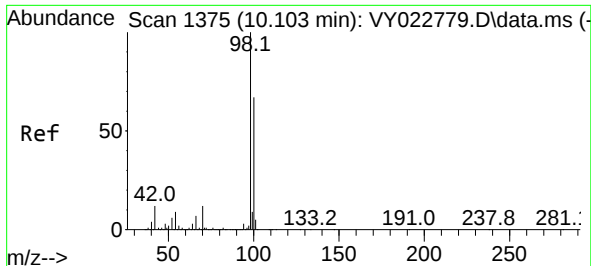
Ion Ratio Lower Upper

117 100

119 5.7 75.0 112.6#

121 0.0 25.0 37.4#

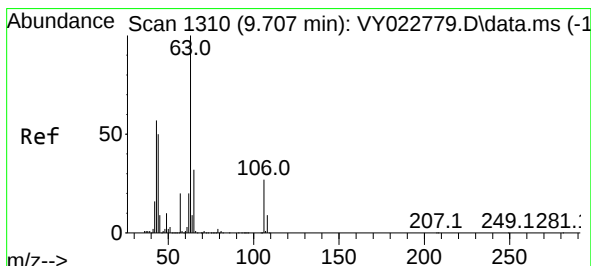
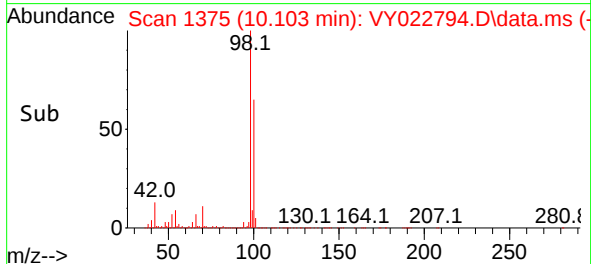
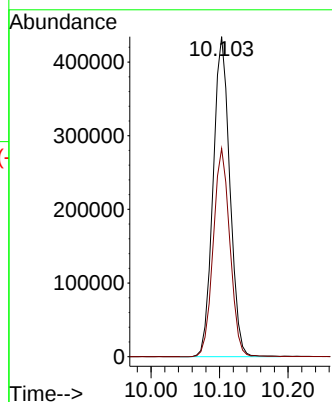
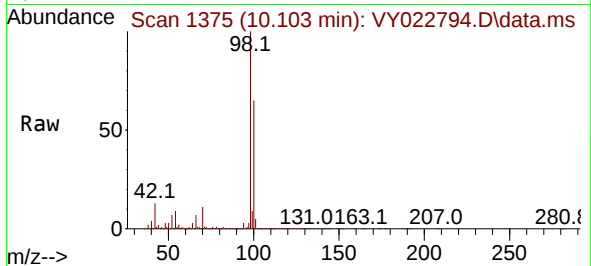




#50
Toluene-d8
Concen: 49.340 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022794.D
Acq: 24 Jun 2025 13:55

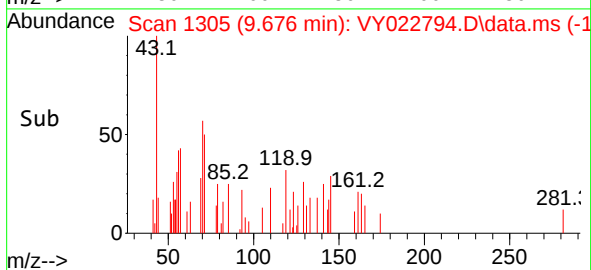
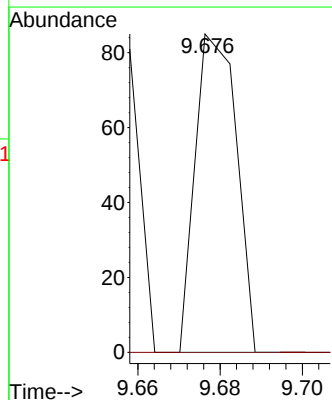
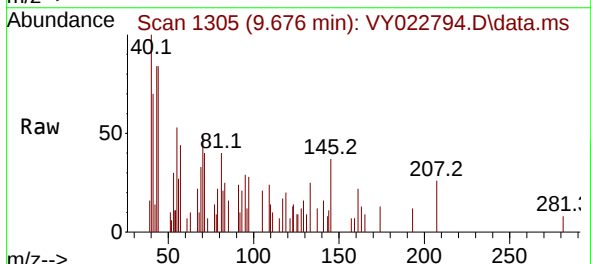
Instrument :
MSVOA_Y
ClientSampleId :
S-1A

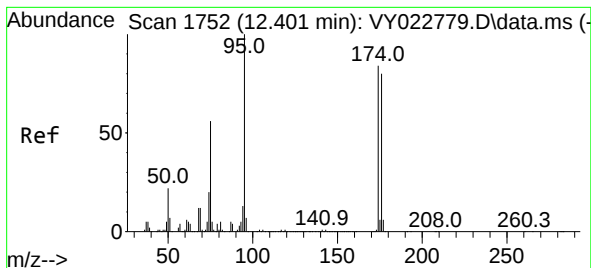
Tgt Ion: 98 Resp: 736519
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.681 ug/l
RT: 9.676 min Scan# 1305
Delta R.T. -0.037 min
Lab File: VY022794.D
Acq: 24 Jun 2025 13:55

Tgt Ion: 63 Resp: 59
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#





#62

4-Bromofluorobenzene

Concen: 56.274 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022794.D

Acq: 24 Jun 2025 13:55

Instrument :

MSVOA_Y

ClientSampleId :

S-1A

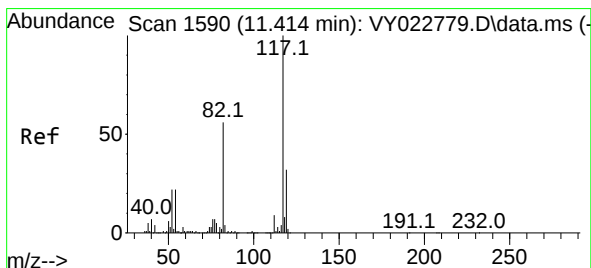
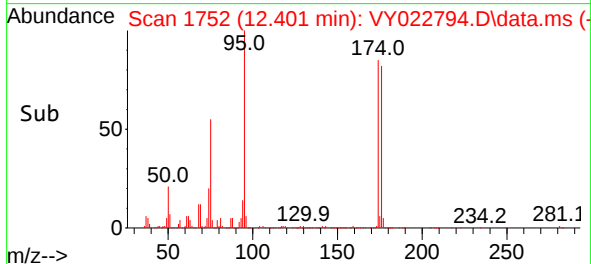
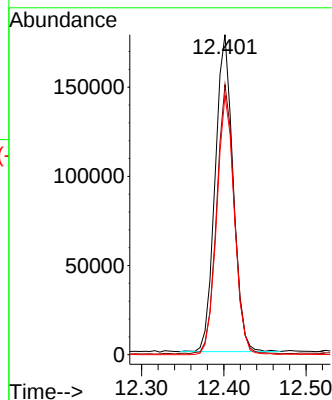
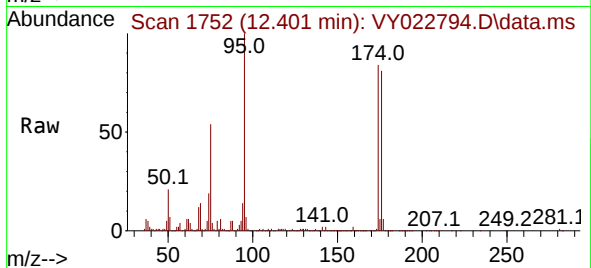
Tgt Ion: 95 Resp: 270040

Ion Ratio Lower Upper

95 100

174 83.8 0.0 170.0

176 80.5 0.0 166.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022794.D

Acq: 24 Jun 2025 13:55

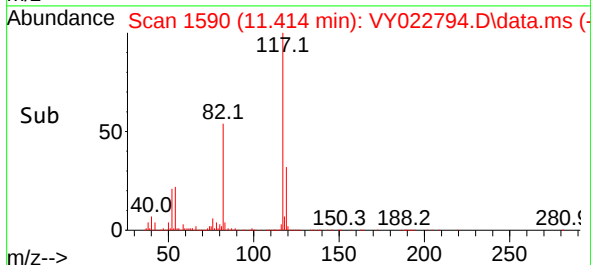
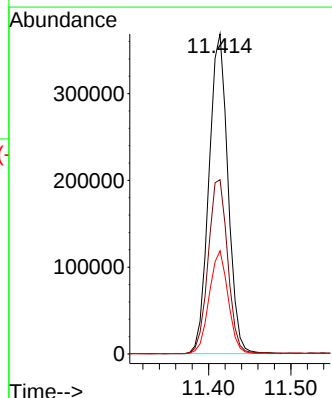
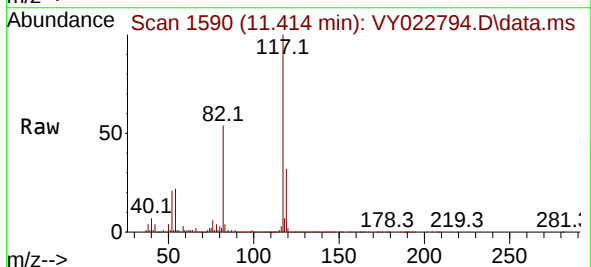
Tgt Ion: 117 Resp: 592770

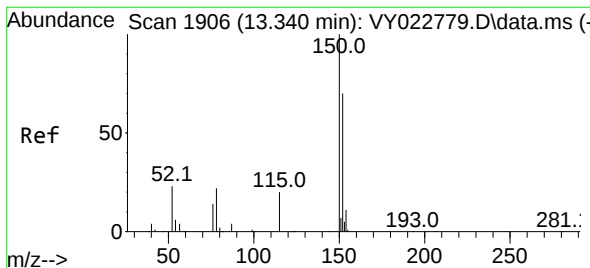
Ion Ratio Lower Upper

117 100

82 54.3 44.6 66.8

119 32.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022794.D

Acq: 24 Jun 2025 13:55

Instrument :

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ClientSampleId :

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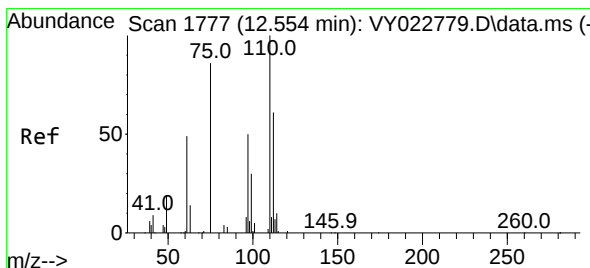
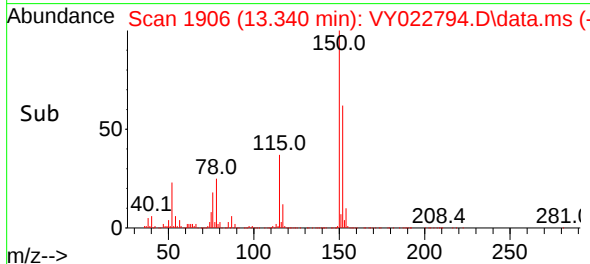
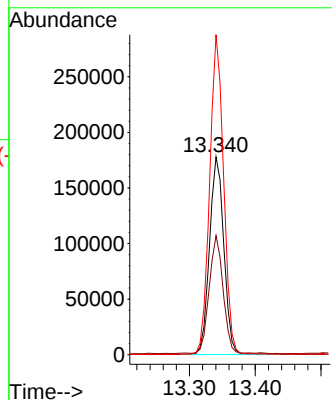
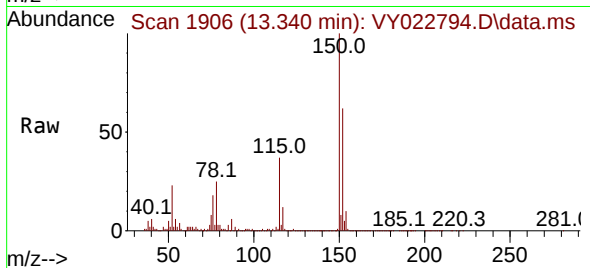
Tgt Ion:152 Resp: 269981

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

150 157.2 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 55.068 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022794.D

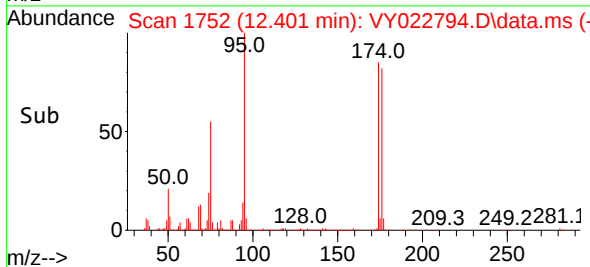
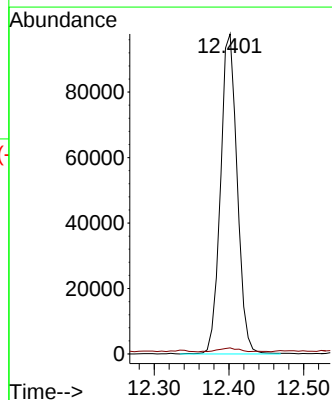
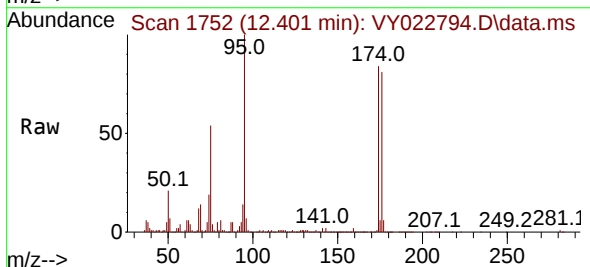
Acq: 24 Jun 2025 13:55

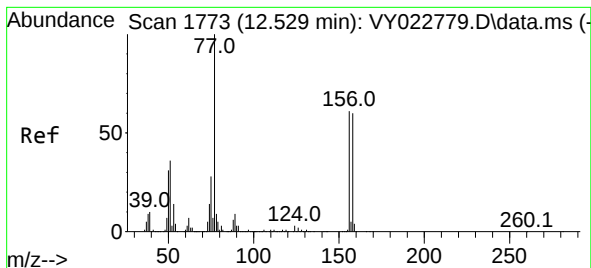
Tgt Ion: 75 Resp: 151784

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#77

Bromobenzene

Concen: 2.479 ug/l

RT: 12.566 min Scan# 1779

Delta R.T. 0.030 min

Lab File: VY022794.D

Acq: 24 Jun 2025 13:55

Instrument :

MSVOA_Y

ClientSampleId :

S-1A

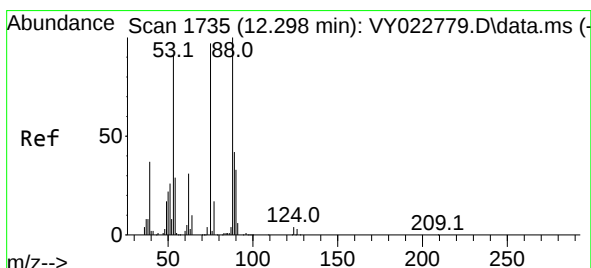
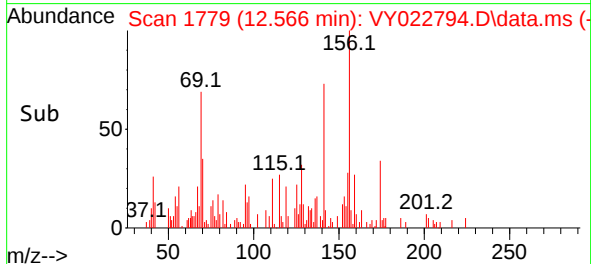
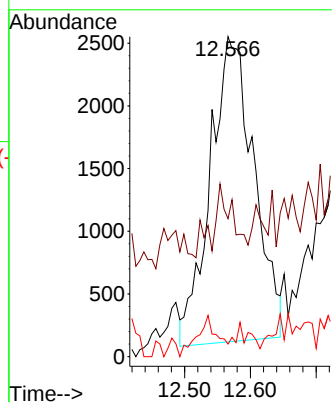
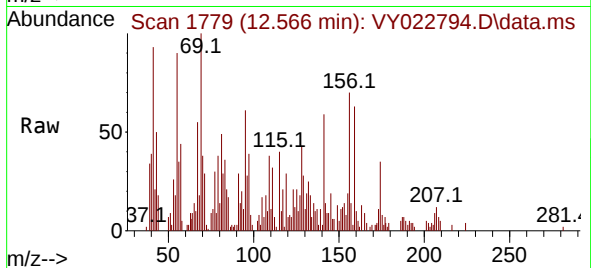
Tgt Ion:156 Resp: 11220

Ion Ratio Lower Upper

156 100

77 7.6 94.0 282.1#

158 0.0 48.2 144.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.125 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022794.D

Acq: 24 Jun 2025 13:55

Tgt Ion: 75 Resp: 151784

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.2 35.7 53.5#

