

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022878.D
 Acq On : 30 Jun 2025 14:28
 Operator : SY/MD
 Sample : Q2436-04
 Misc : 6.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-86

Quant Time: Jul 01 03:37:50 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)

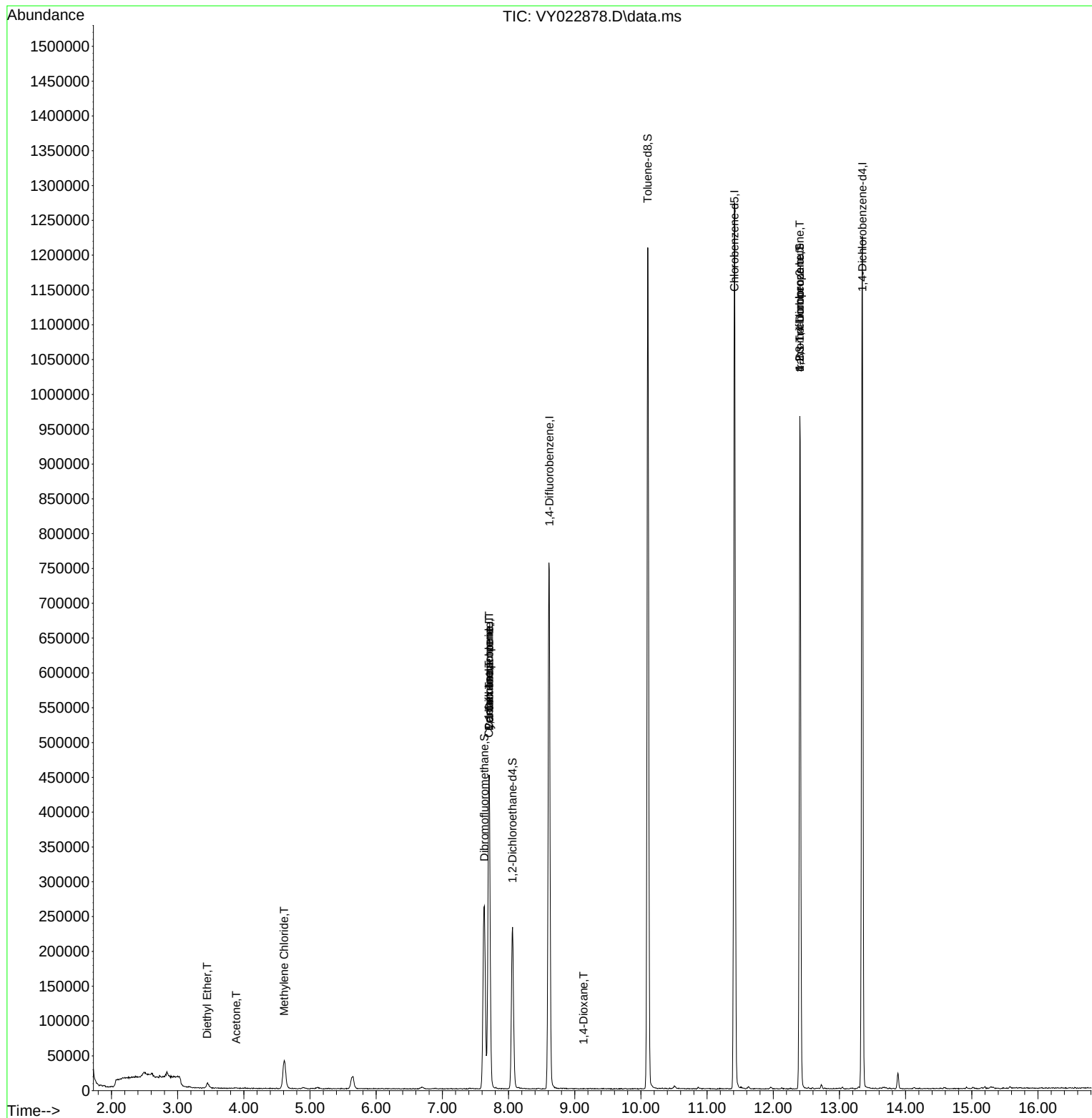
Internal Standards						
1) Pentafluorobenzene	7.707	168	346216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	639767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	633746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	290240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	186161	48.177	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.360%		
35) Dibromofluoromethane	7.634	113	193368	49.699	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.400%		
50) Toluene-d8	10.103	98	774867	50.189	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.380%		
62) 4-Bromofluorobenzene	12.402	95	287178	57.862	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	115.720%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.446	74	3708	1.920	ug/l	79
16) Acetone	3.885	43	1149	1.573	ug/l #	45
20) Methylene Chloride	4.610	84	30216	6.551	ug/l	94
31) Cyclohexane	7.701	56	8328	1.255	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	30011	5.089	ug/l #	51
38) Carbon Tetrachloride	7.707	117	35429	5.694	ug/l #	18
49) 1,4-Dioxane	9.134	88	65	2.284	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	161713	54.576	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	161713	137.879	ug/l #	11

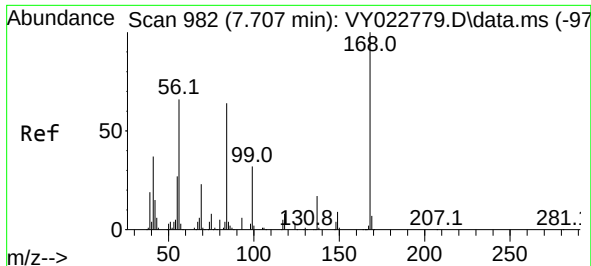
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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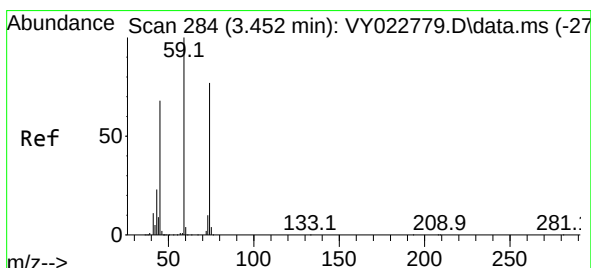
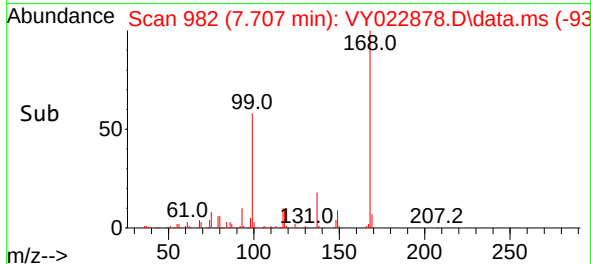
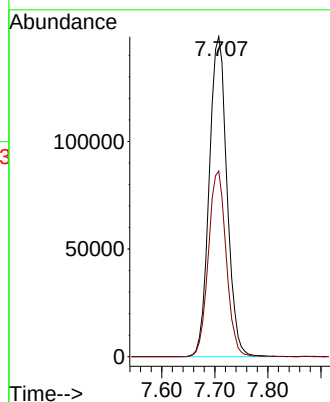
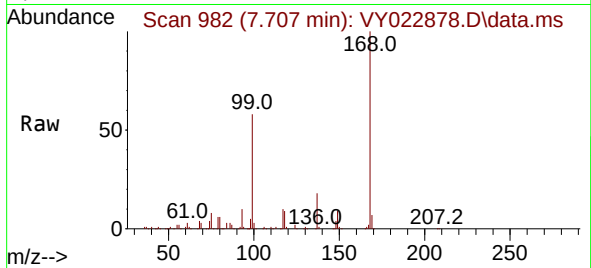




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022878.D
Acq: 30 Jun 2025 14:28

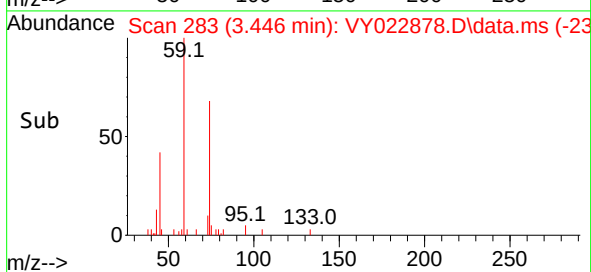
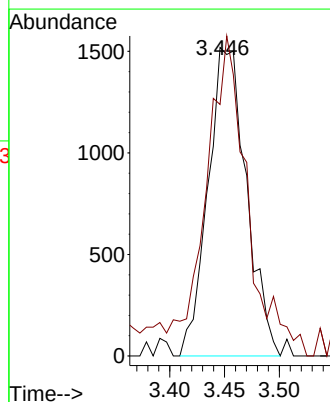
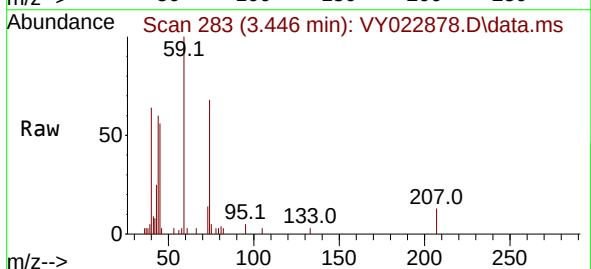
Instrument :
MSVOA_Y
ClientSampleId :
TP-86

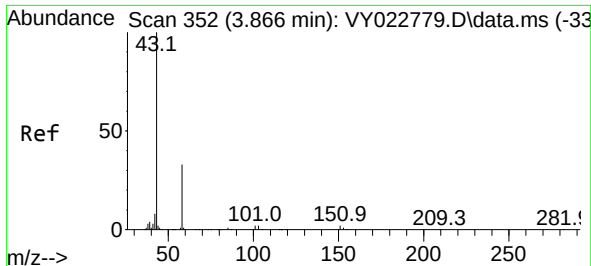
Tgt Ion:168 Resp: 346216
Ion Ratio Lower Upper
168 100
99 58.0 44.3 66.5



#8
Diethyl Ether
Concen: 1.920 ug/l
RT: 3.446 min Scan# 283
Delta R.T. -0.018 min
Lab File: VY022878.D
Acq: 30 Jun 2025 14:28

Tgt Ion: 74 Resp: 3708
Ion Ratio Lower Upper
74 100
45 112.0 45.9 137.6

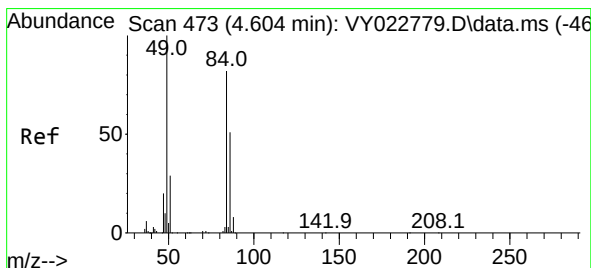
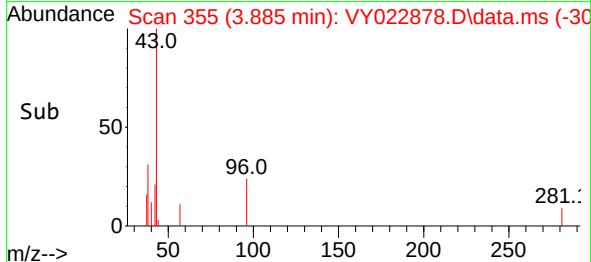
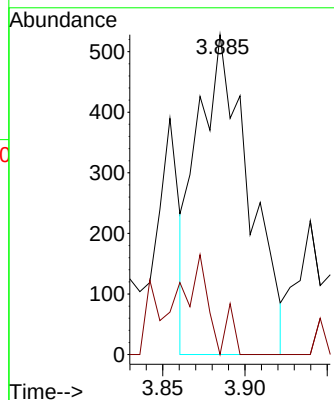
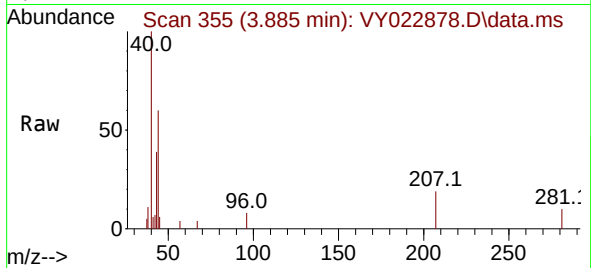




#16
Acetone
Concen: 1.573 ug/l
RT: 3.885 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY022878.D
Acq: 30 Jun 2025 14:28

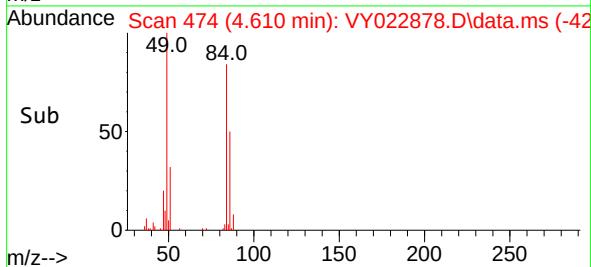
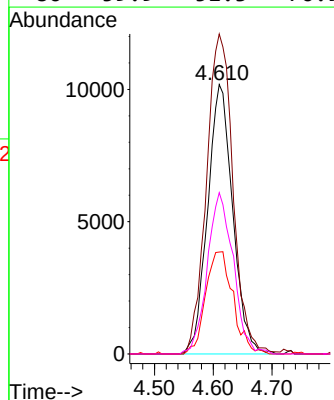
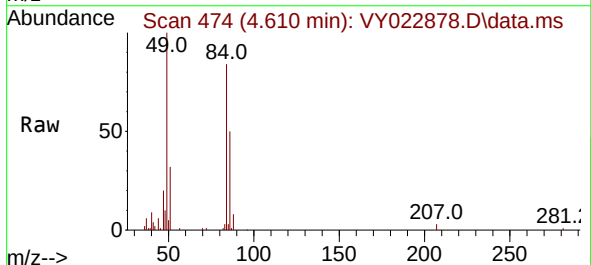
Instrument :
MSVOA_Y
ClientSampleId :
TP-86

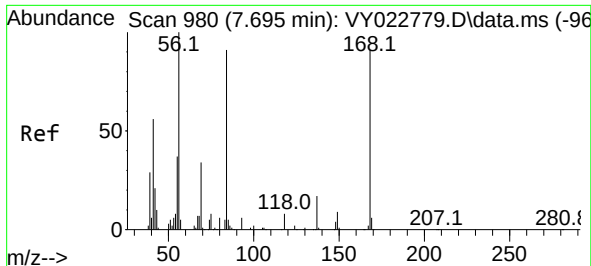
Tgt Ion: 43 Resp: 1149
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#



#20
Methylene Chloride
Concen: 6.551 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022878.D
Acq: 30 Jun 2025 14:28

Tgt Ion: 84 Resp: 30216
Ion Ratio Lower Upper
84 100
49 118.8 101.9 152.9
51 37.8 29.8 44.8
86 59.9 51.3 76.9

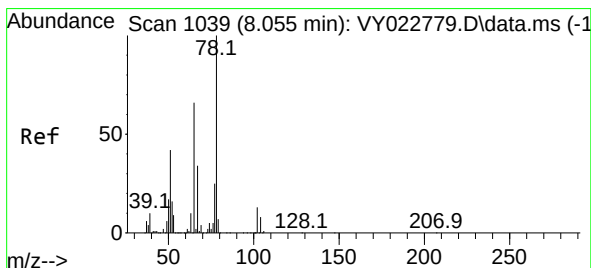
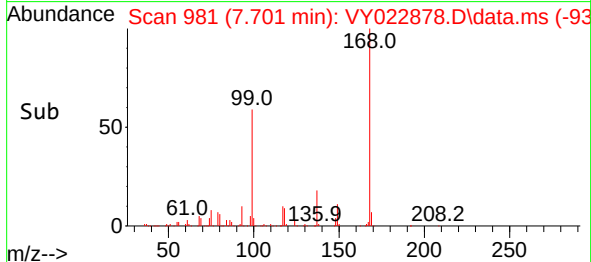
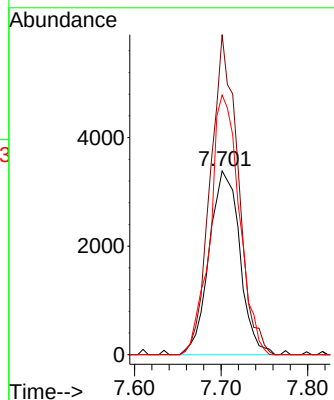
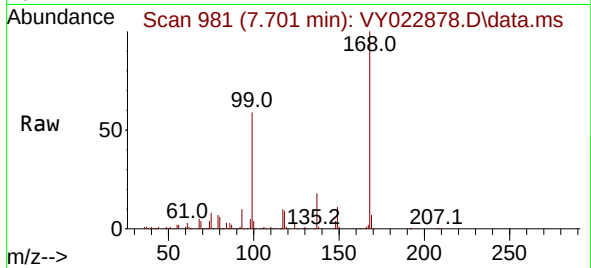




#31
Cyclohexane
Concen: 1.255 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022878.D
Acq: 30 Jun 2025 14:28

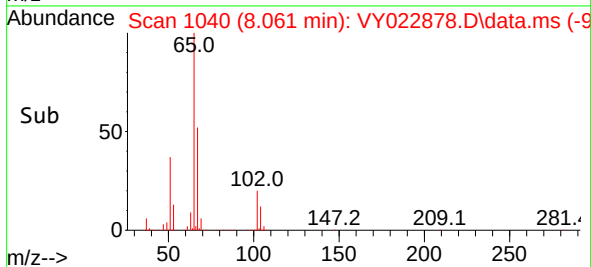
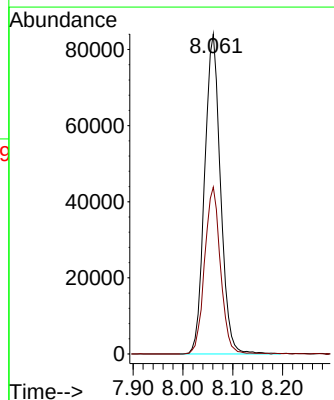
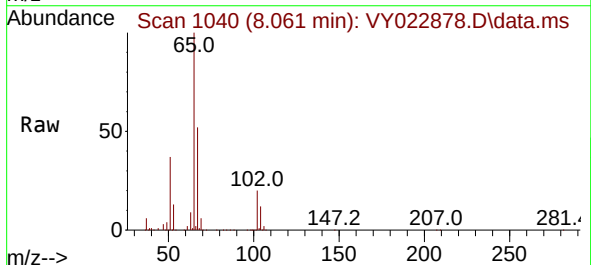
Instrument :
MSVOA_Y
ClientSampleId :
TP-86

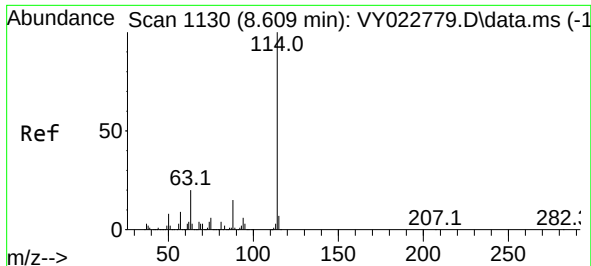
Tgt Ion: 56 Resp: 8328
Ion Ratio Lower Upper
56 100
69 174.1 27.0 40.6#
84 141.3 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 48.177 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022878.D
Acq: 30 Jun 2025 14:28

Tgt Ion: 65 Resp: 186161
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

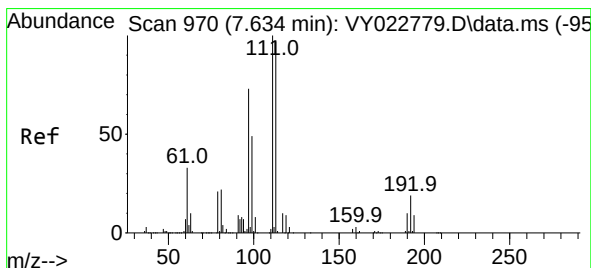
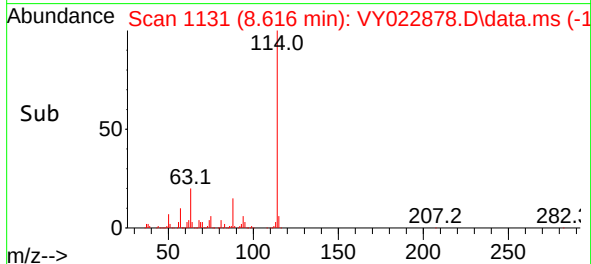
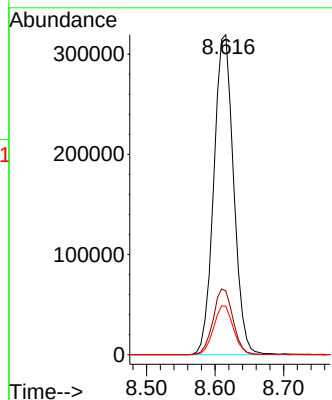
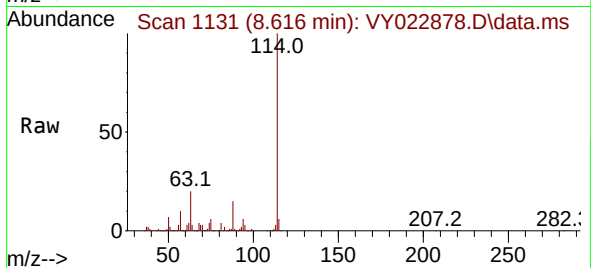




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022878.D
Acq: 30 Jun 2025 14:28

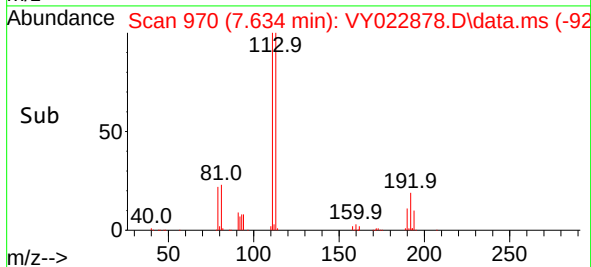
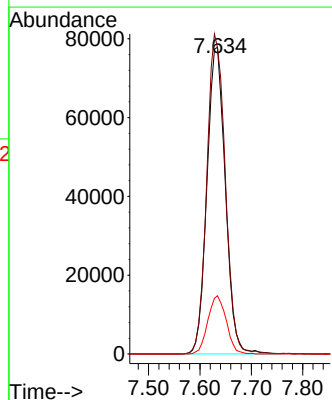
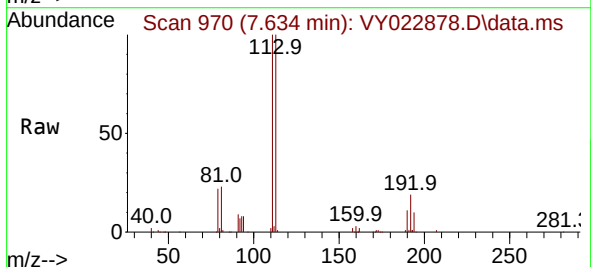
Instrument :
MSVOA_Y
ClientSampleId :
TP-86

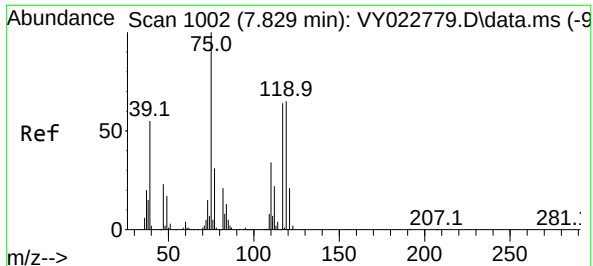
Tgt Ion:114 Resp: 639767
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.8
88 15.1 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.699 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022878.D
Acq: 30 Jun 2025 14:28

Tgt Ion:113 Resp: 193368
Ion Ratio Lower Upper
113 100
111 104.8 81.1 121.7
192 18.9 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.089 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY022878.D

Acq: 30 Jun 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-86

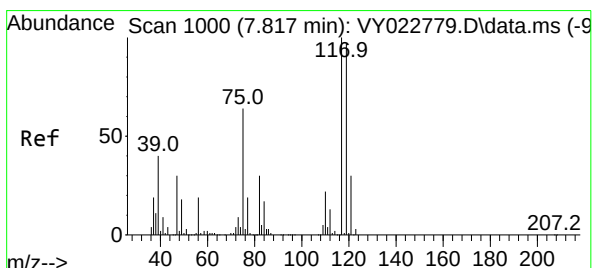
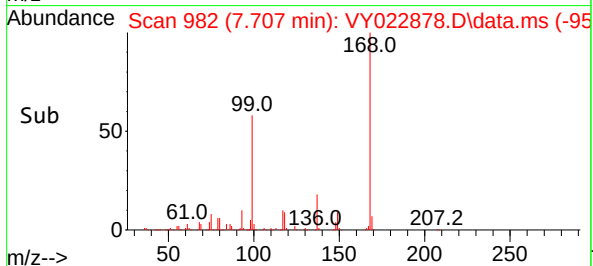
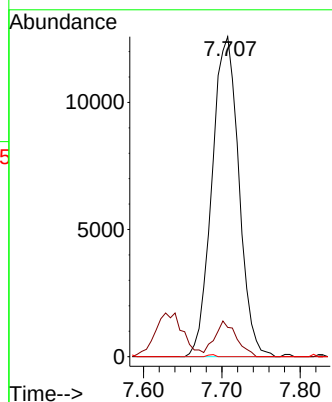
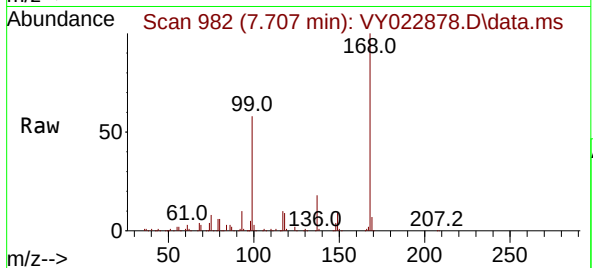
Tgt Ion: 75 Resp: 30011

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.7#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.694 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022878.D

Acq: 30 Jun 2025 14:28

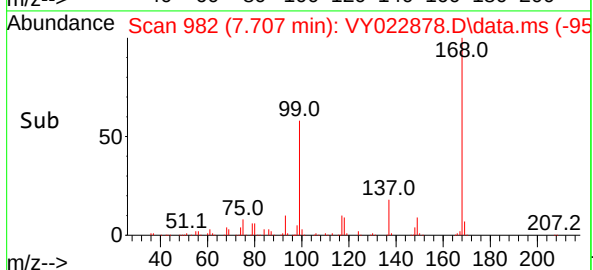
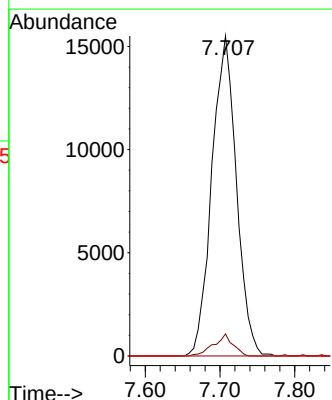
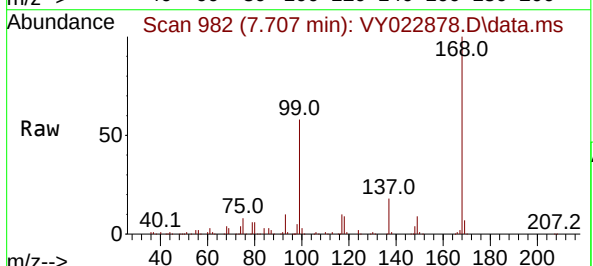
Tgt Ion: 117 Resp: 35429

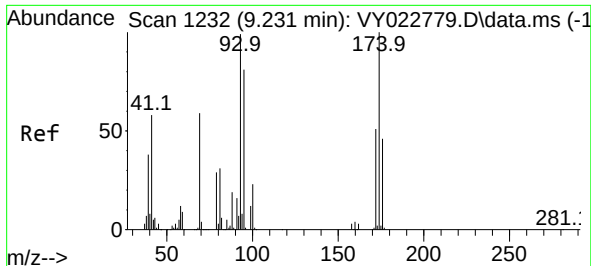
Ion Ratio Lower Upper

117 100

119 6.9 75.0 112.6#

121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 2.284 ug/l

RT: 9.134 min Scan# 1216

Delta R.T. -0.110 min

Lab File: VY022878.D

Acq: 30 Jun 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-86

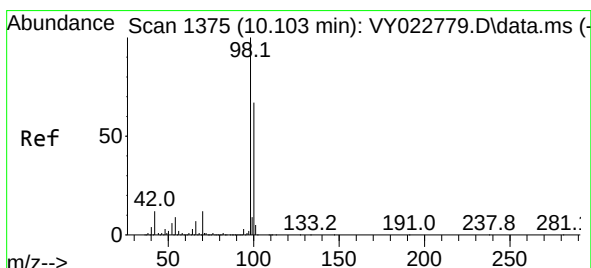
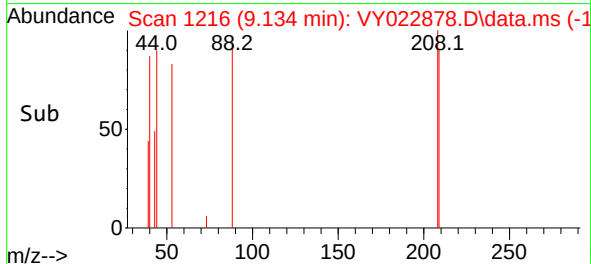
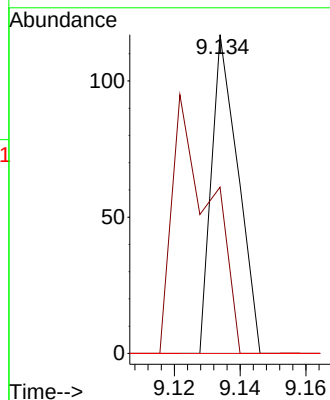
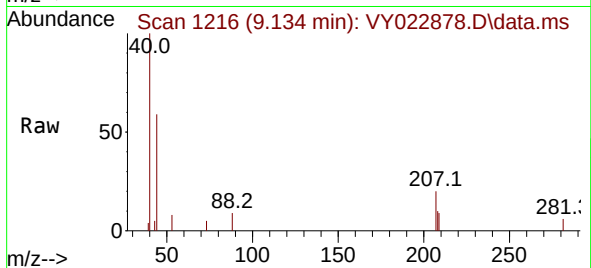
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 116.9 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 50.189 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022878.D

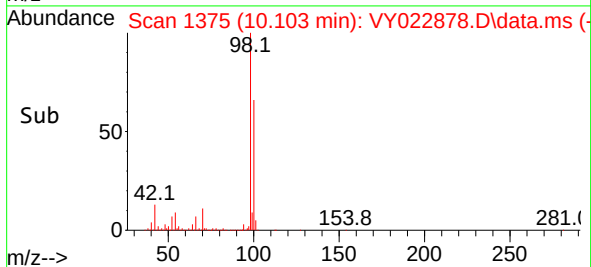
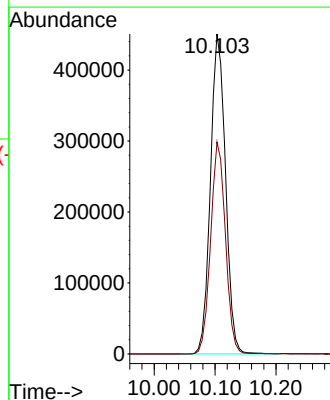
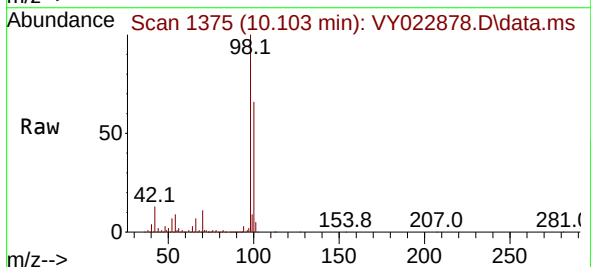
Acq: 30 Jun 2025 14:28

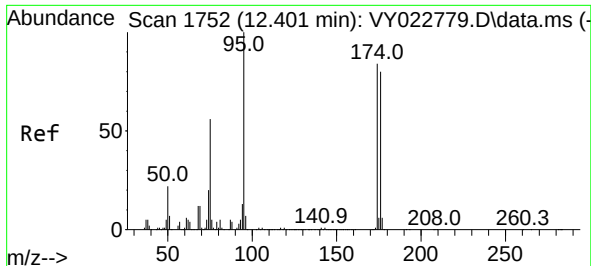
Tgt Ion: 98 Resp: 774867

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 57.862 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022878.D

Acq: 30 Jun 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-86

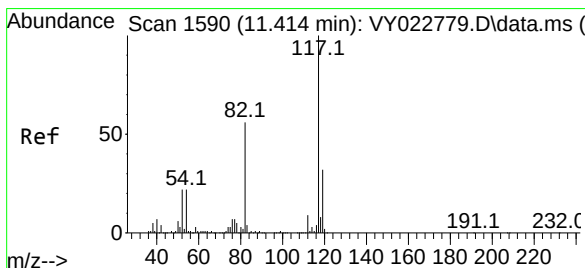
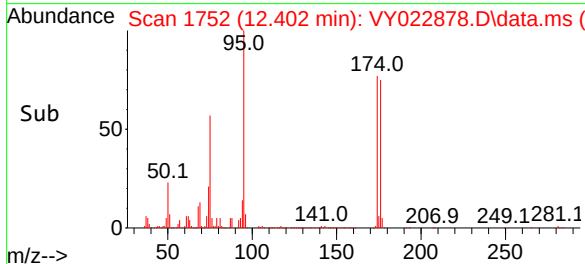
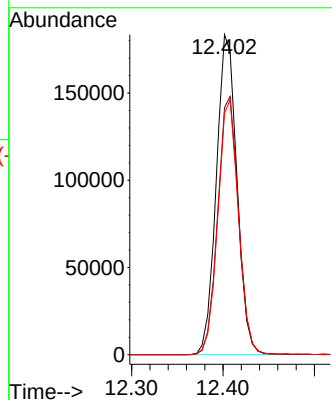
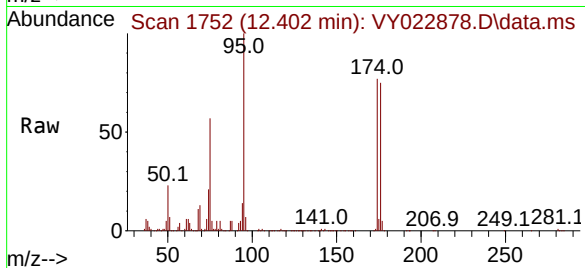
Tgt Ion: 95 Resp: 287178

Ion Ratio Lower Upper

95 100

174 81.8 0.0 170.0

176 79.5 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: VY022878.D

Acq: 30 Jun 2025 14:28

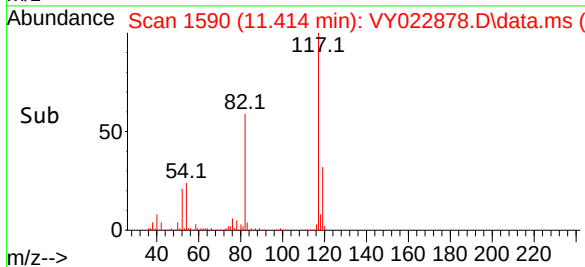
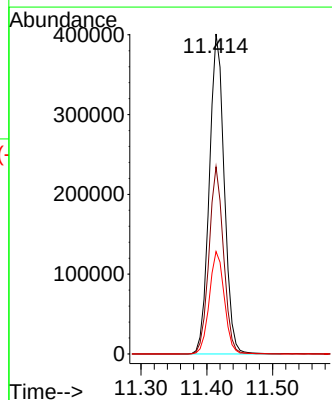
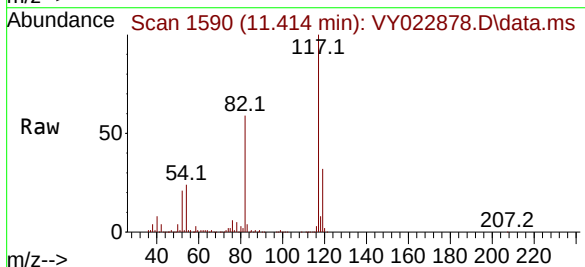
Tgt Ion: 117 Resp: 633746

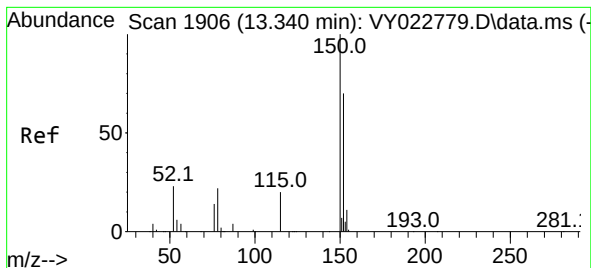
Ion Ratio Lower Upper

117 100

82 58.5 44.6 66.8

119 32.0 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY022878.D

Acq: 30 Jun 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-86

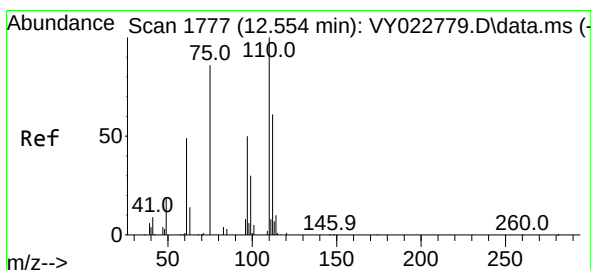
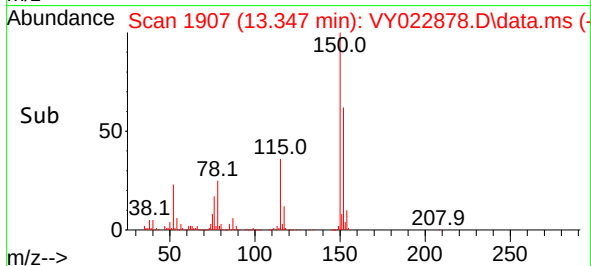
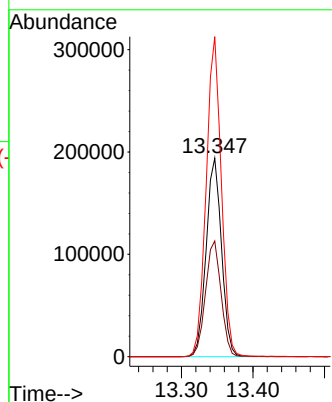
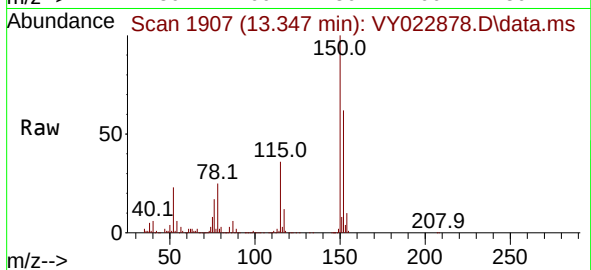
Tgt Ion:152 Resp: 290240

Ion Ratio Lower Upper

152 100

115 59.3 28.9 86.7

150 158.5 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 54.576 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022878.D

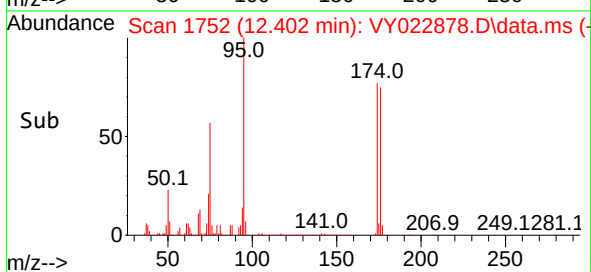
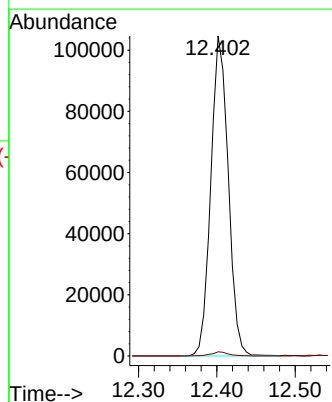
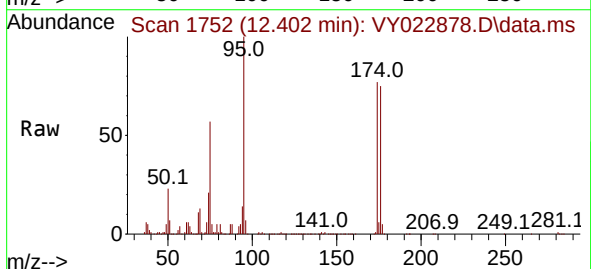
Acq: 30 Jun 2025 14:28

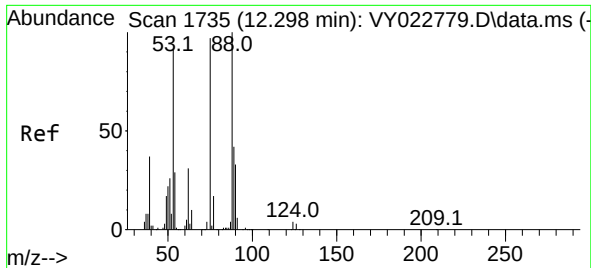
Tgt Ion: 75 Resp: 161713

Ion Ratio Lower Upper

75 100

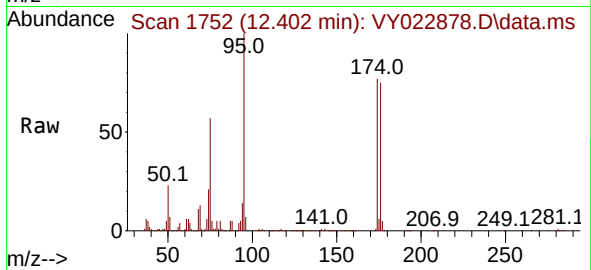
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.879 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022878.D
 Acq: 30 Jun 2025 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-86



Tgt Ion: 75 Resp: 161713
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.0 35.7 53.5#

