

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022977.D
 Acq On : 08 Jul 2025 15:50
 Operator : SY/MD
 Sample : Q2514-05
 Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-97

Quant Time: Jul 09 02:33:09 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)

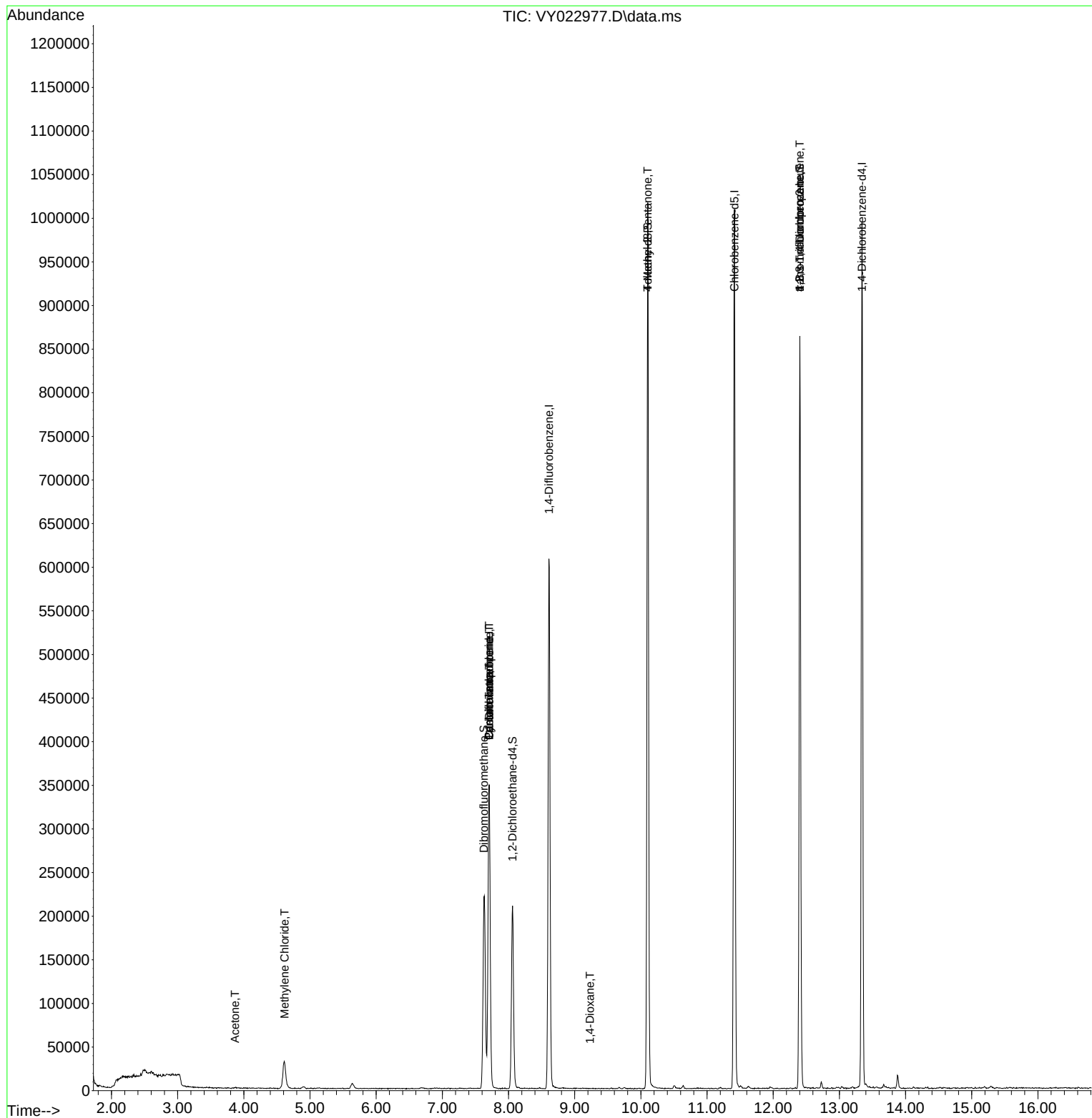
Internal Standards						
1) Pentafluorobenzene	7.707	168	262340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	502677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	519133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	237990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	164423	56.156	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.320%	
35) Dibromofluoromethane	7.628	113	159115	52.049	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.100%	
50) Toluene-d8	10.103	98	628415	51.803	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.600%	
62) 4-Bromofluorobenzene	12.401	95	233252	59.814	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 119.620%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1231	2.224	ug/l	94
20) Methylene Chloride	4.616	84	21460	6.140	ug/l	98
31) Cyclohexane	7.707	56	6775	1.347	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	23302	5.029	ug/l #	50
38) Carbon Tetrachloride	7.707	117	26766	5.474	ug/l #	17
49) 1,4-Dioxane	9.231	88	29	1.297	ug/l #	24
51) 4-Methyl-2-Pentanone	10.103	43	3020	1.430	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	131404	54.083	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	131404	136.635	ug/l #	11

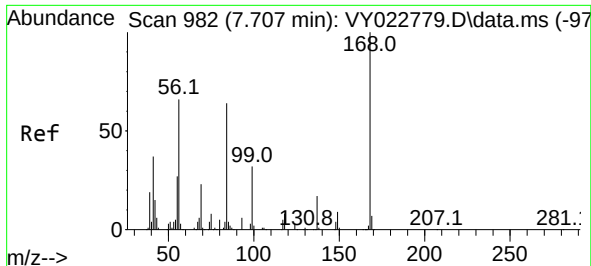
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
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Response via : Initial Calibration

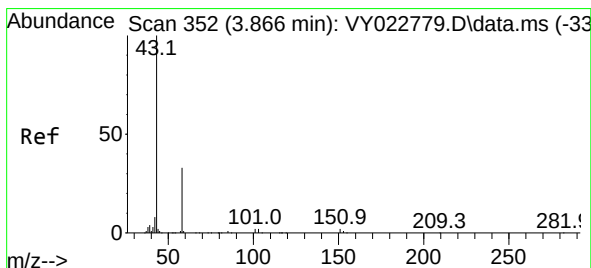
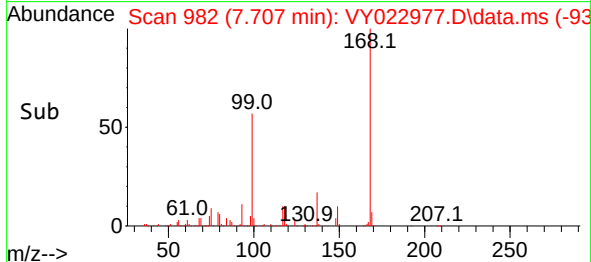
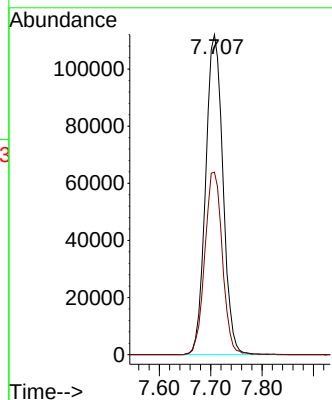
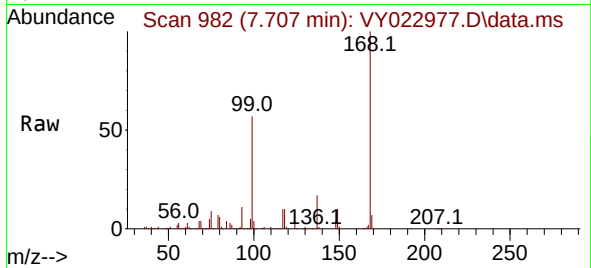




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022977.D
Acq: 08 Jul 2025 15:50

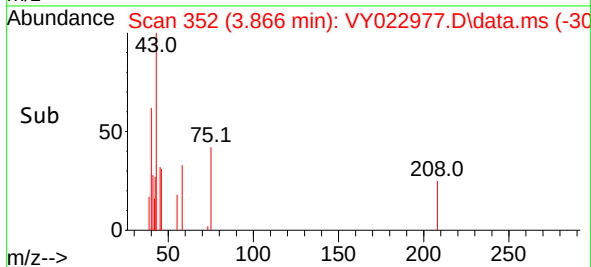
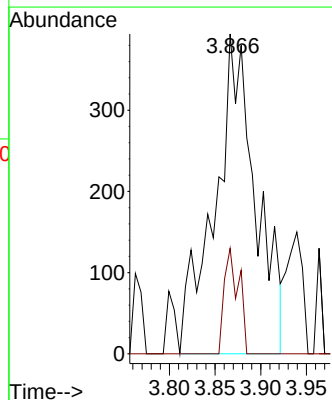
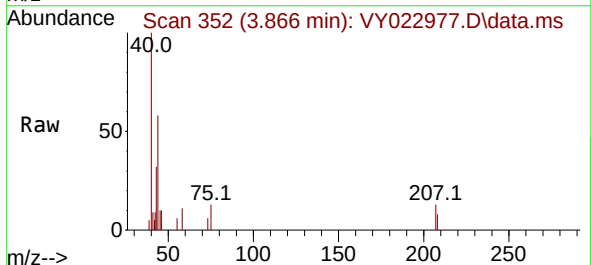
Instrument :
MSVOA_Y
ClientSampleId :
TP-97

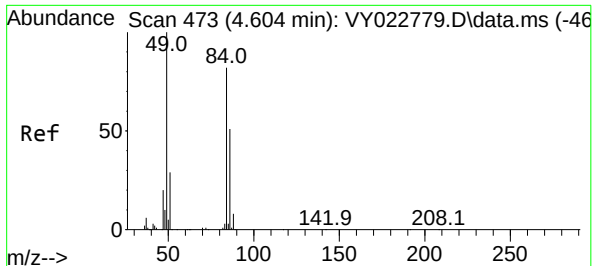
Tgt Ion:168 Resp: 262340
Ion Ratio Lower Upper
168 100
99 57.0 44.3 66.5



#16
Acetone
Concen: 2.224 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022977.D
Acq: 08 Jul 2025 15:50

Tgt Ion: 43 Resp: 1231
Ion Ratio Lower Upper
43 100
58 33.0 24.0 36.0



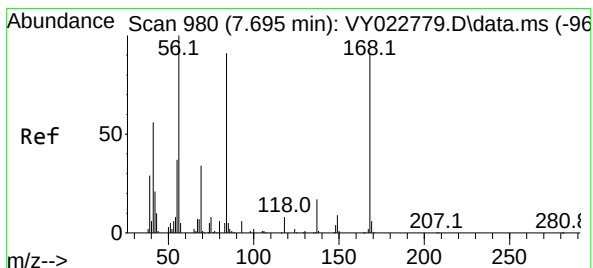
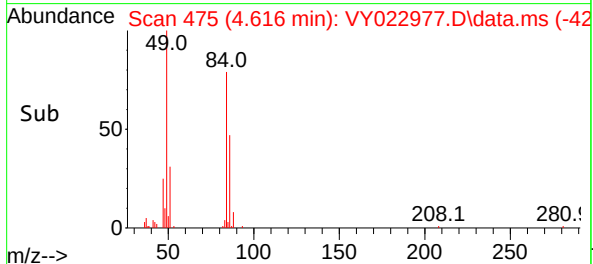
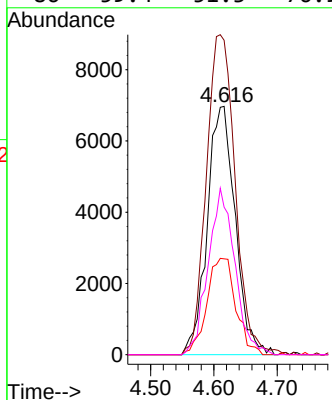
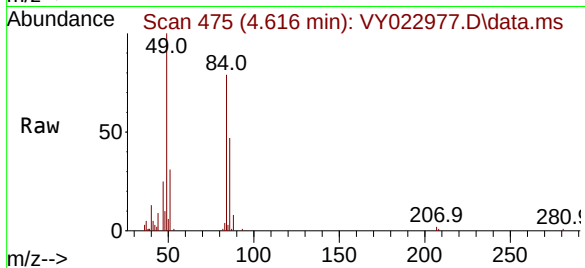


#20
Methylene Chloride
Concen: 6.140 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022977.D
Acq: 08 Jul 2025 15:50

Instrument :
MSVOA_Y
ClientSampleId :
TP-97

Tgt Ion: 84 Resp: 21460

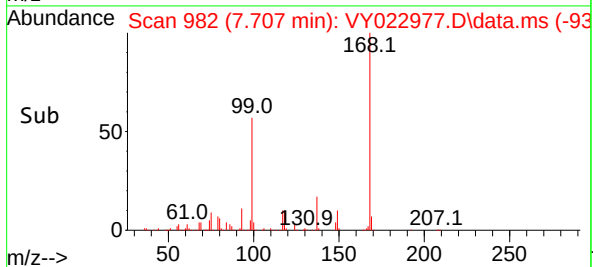
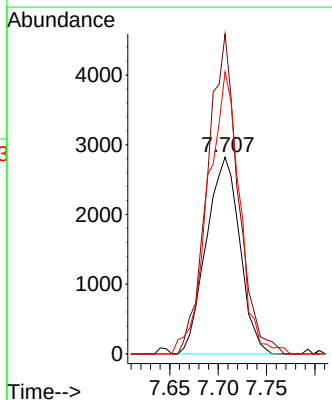
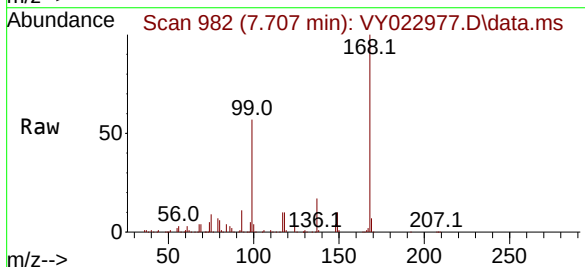
Ion	Ratio	Lower	Upper
84	100		
49	126.6	101.9	152.9
51	38.6	29.8	44.8
86	59.4	51.3	76.9

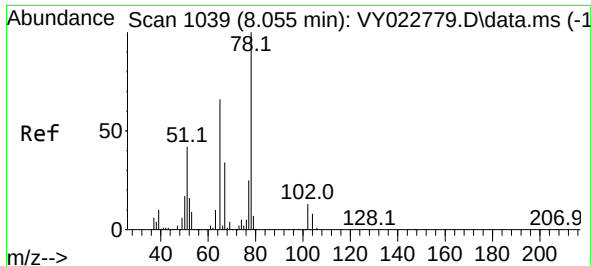


#31
Cyclohexane
Concen: 1.347 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022977.D
Acq: 08 Jul 2025 15:50

Tgt Ion: 56 Resp: 6775

Ion	Ratio	Lower	Upper
56	100		
69	162.6	27.0	40.6#
84	140.1	72.6	109.0#

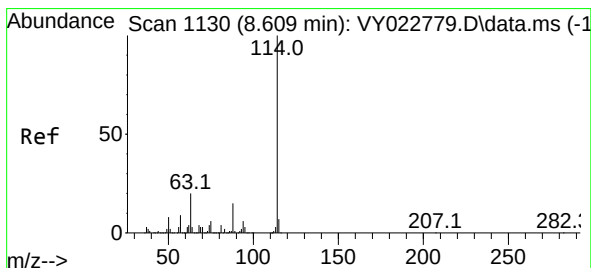
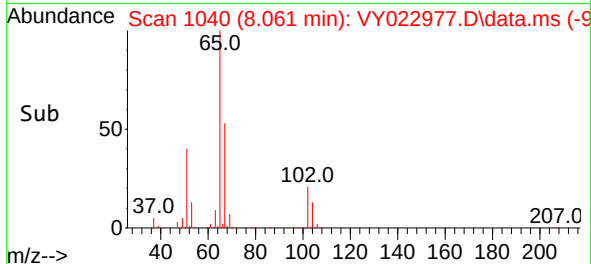
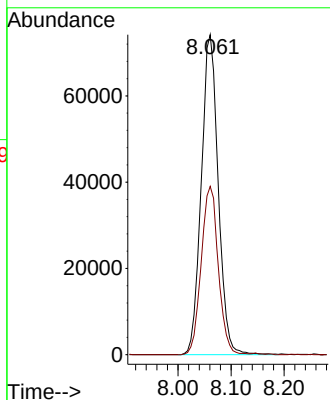
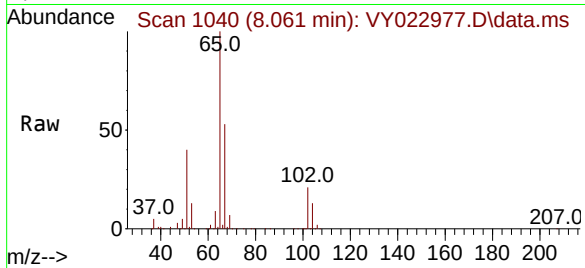




#33
 1,2-Dichloroethane-d4
 Concen: 56.156 ug/l
 RT: 8.061 min Scan# 1039
 Delta R.T. -0.006 min
 Lab File: VY022977.D
 Acq: 08 Jul 2025 15:50

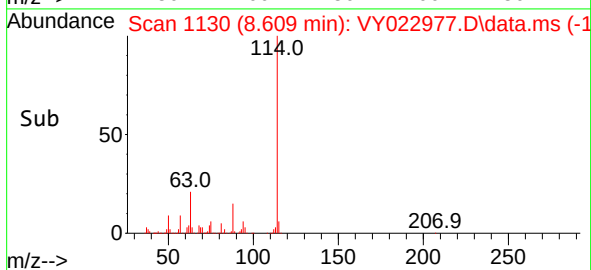
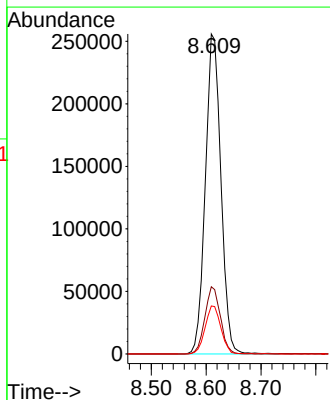
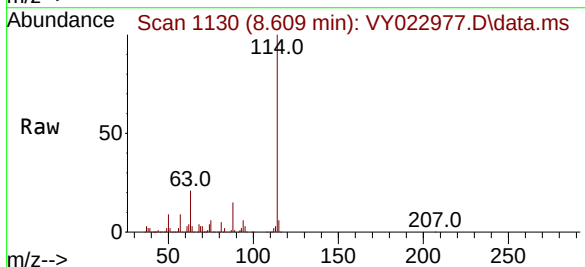
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-97

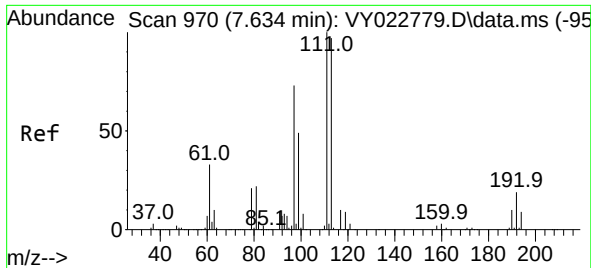
Tgt Ion: 65 Resp: 164423
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.609 min Scan# 1130
 Delta R.T. -0.006 min
 Lab File: VY022977.D
 Acq: 08 Jul 2025 15:50

Tgt Ion: 114 Resp: 502677
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.8
 88 15.0 0.0 27.8

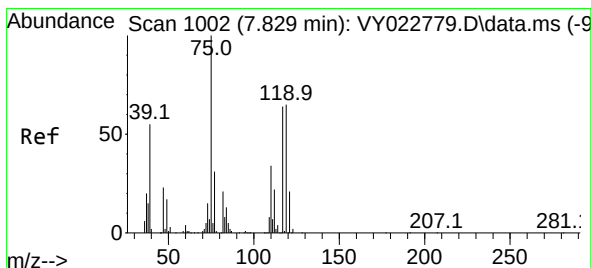
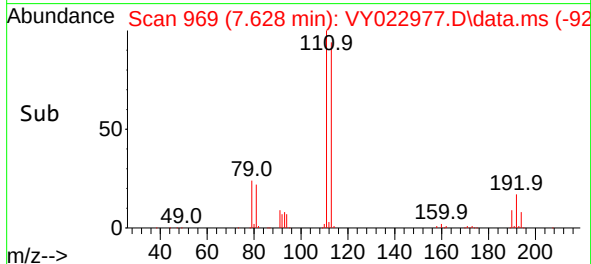
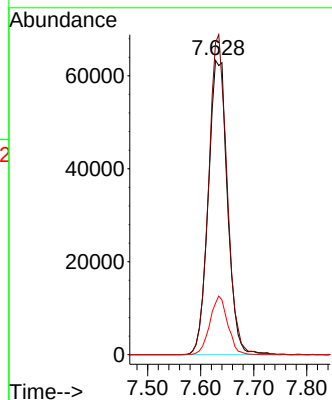
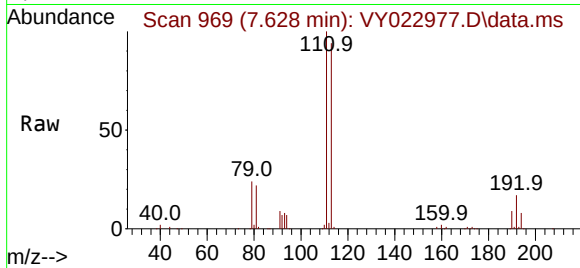




#35
Dibromofluoromethane
Concen: 52.049 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.012 min
Lab File: VY022977.D
Acq: 08 Jul 2025 15:50

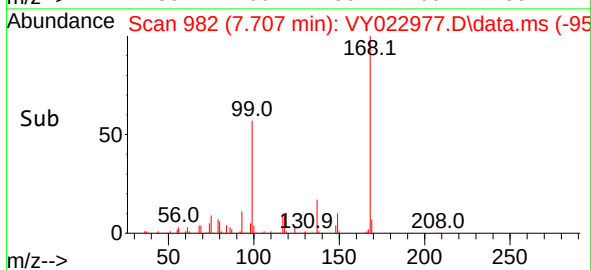
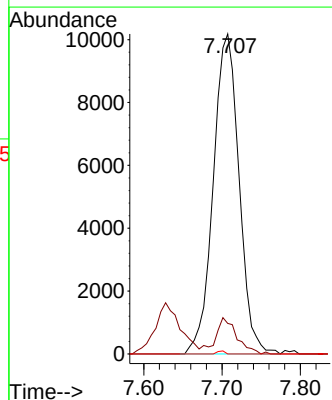
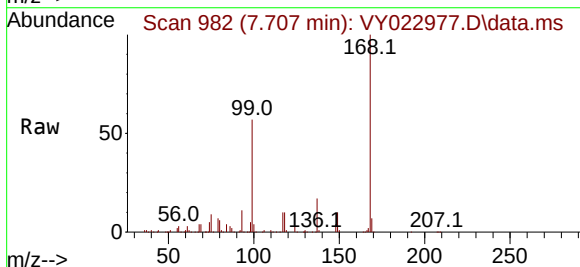
Instrument :
MSVOA_Y
ClientSampleId :
TP-97

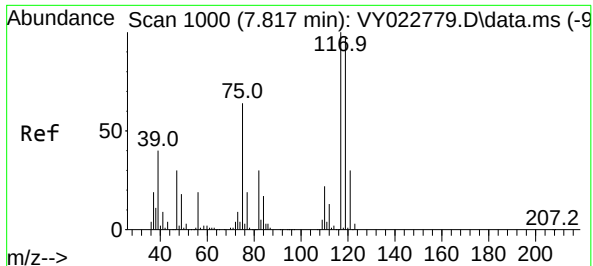
Tgt Ion:113 Resp: 159115
Ion Ratio Lower Upper
113 100
111 104.2 81.1 121.7
192 18.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.029 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022977.D
Acq: 08 Jul 2025 15:50

Tgt Ion: 75 Resp: 23302
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.7#
77 0.3 24.8 37.2#

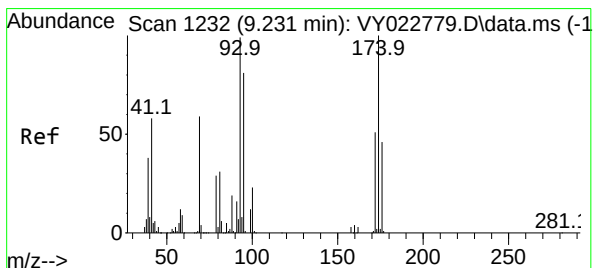
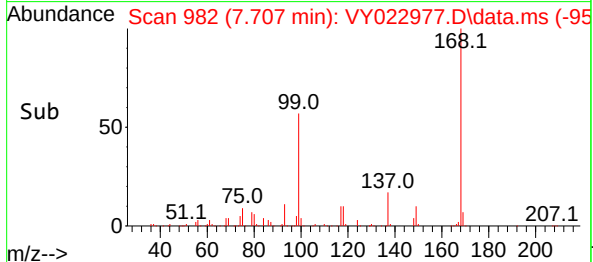
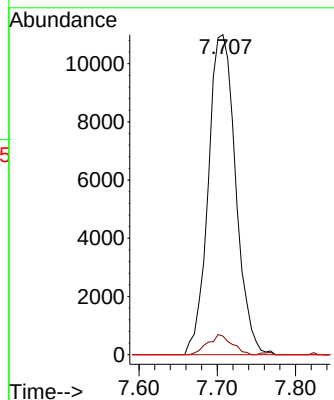
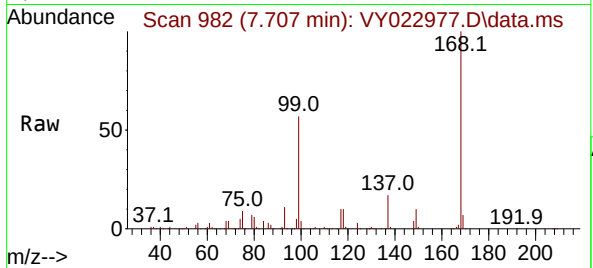




#38
Carbon Tetrachloride
Concen: 5.474 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022977.D
Acq: 08 Jul 2025 15:50

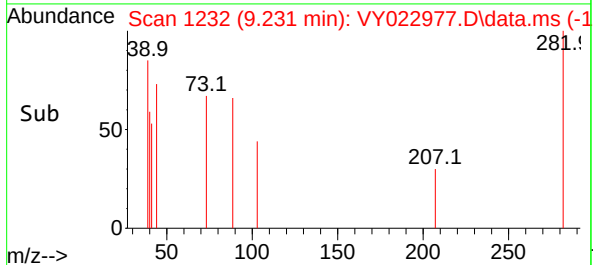
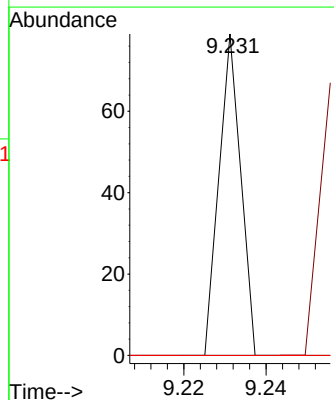
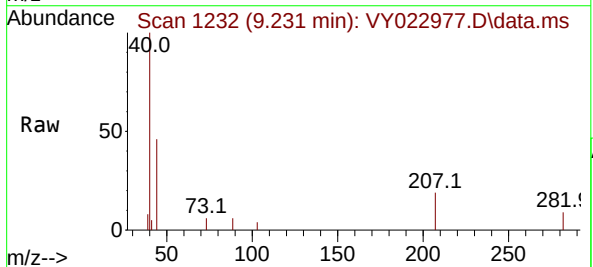
Instrument :
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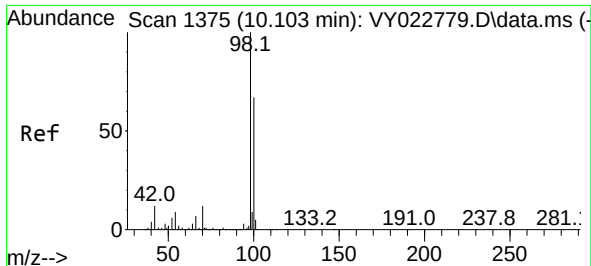
Tgt Ion:117 Resp: 26766
Ion Ratio Lower Upper
117 100
119 5.8 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.297 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.012 min
Lab File: VY022977.D
Acq: 08 Jul 2025 15:50

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 0.0 25.4 38.2#
58 0.0 54.9 82.3#

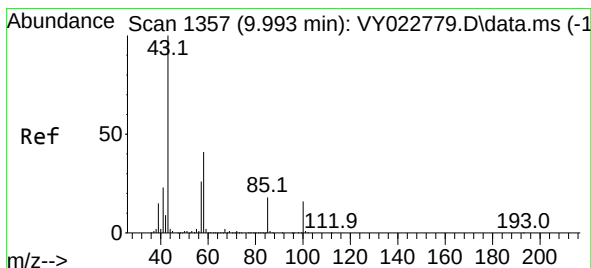
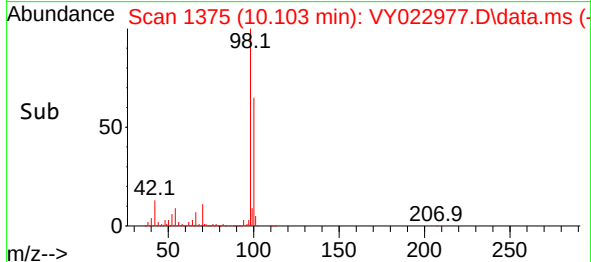
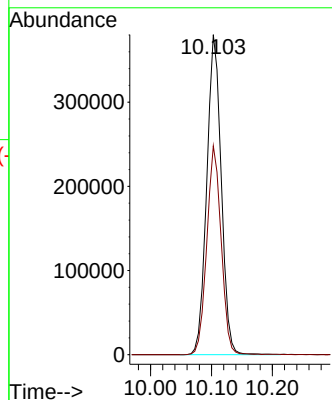
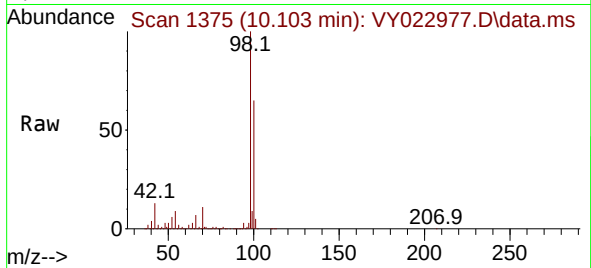




#50
Toluene-d8
Concen: 51.803 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022977.D
Acq: 08 Jul 2025 15:50

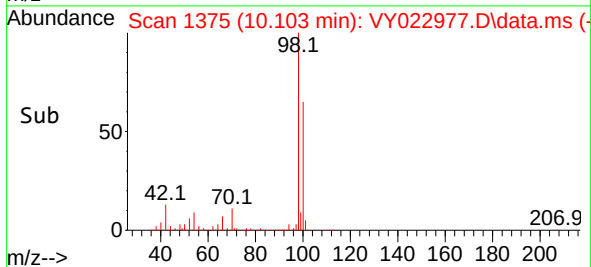
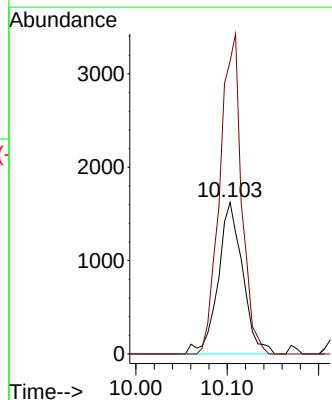
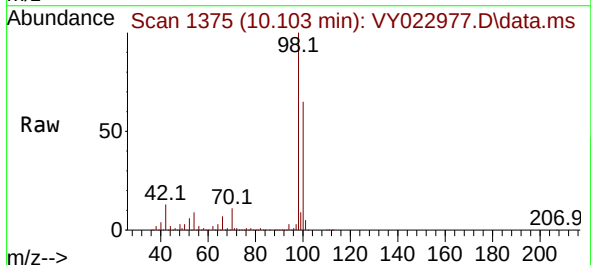
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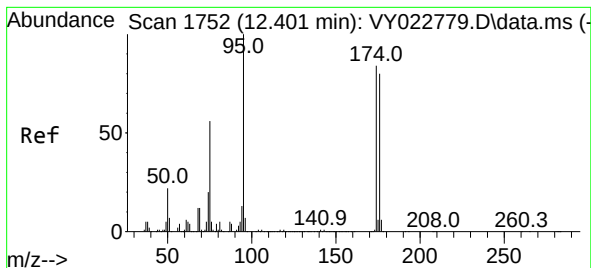
Tgt Ion: 98 Resp: 628415
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.430 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.103 min
Lab File: VY022977.D
Acq: 08 Jul 2025 15:50

Tgt Ion: 43 Resp: 3020
Ion Ratio Lower Upper
43 100
58 188.6 30.4 45.6#





#62

4-Bromofluorobenzene

Concen: 59.814 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022977.D

Acq: 08 Jul 2025 15:50

Instrument :

MSVOA_Y

ClientSampleId :

TP-97

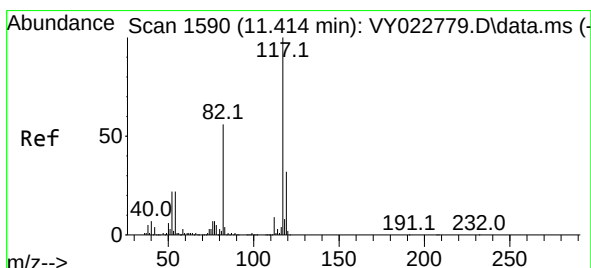
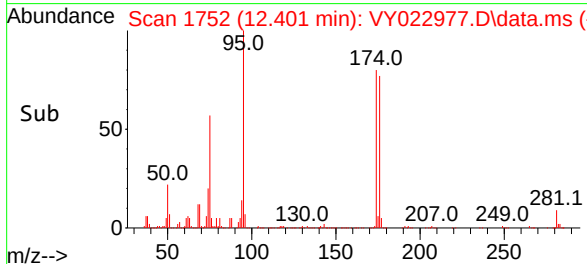
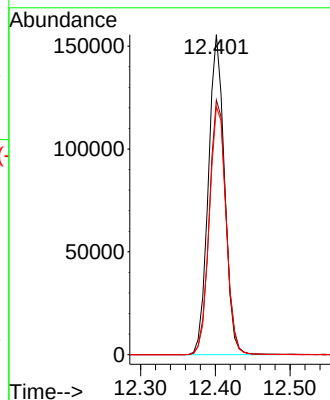
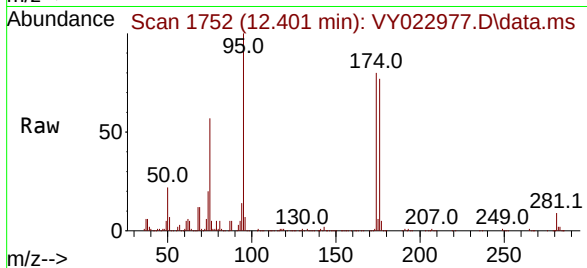
Tgt Ion: 95 Resp: 233252

Ion Ratio Lower Upper

95 100

174 82.6 0.0 170.0

176 80.3 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: VY022977.D

Acq: 08 Jul 2025 15:50

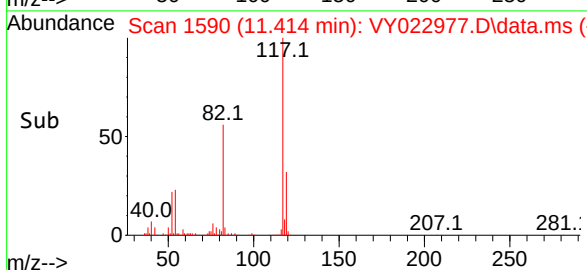
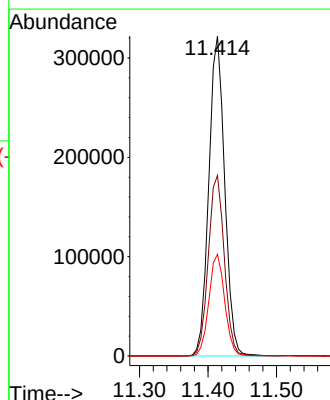
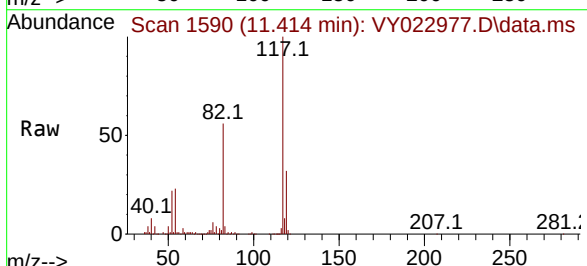
Tgt Ion: 117 Resp: 519133

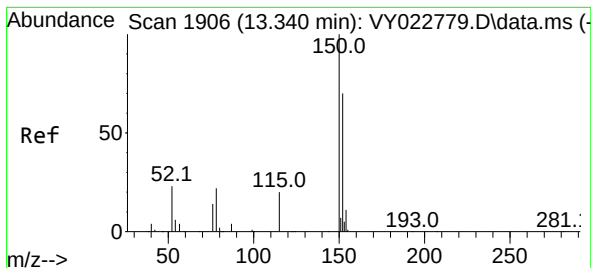
Ion Ratio Lower Upper

117 100

82 56.4 44.6 66.8

119 31.8 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: VY022977.D

Acq: 08 Jul 2025 15:50

Instrument :

MSVOA_Y

ClientSampleId :

TP-97

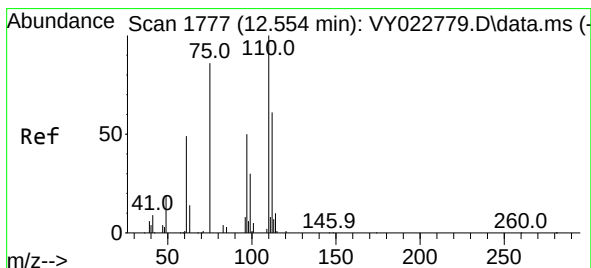
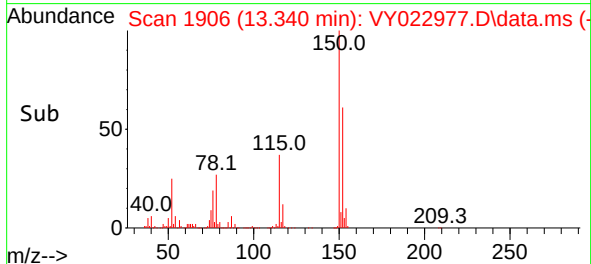
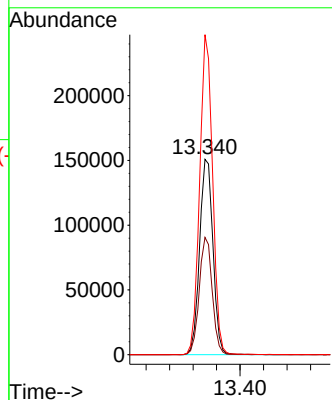
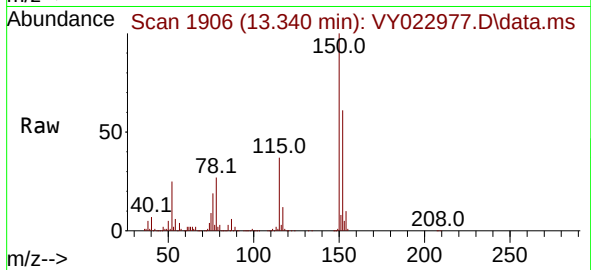
Tgt Ion:152 Resp: 237990

Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.7

150 157.9 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 54.083 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022977.D

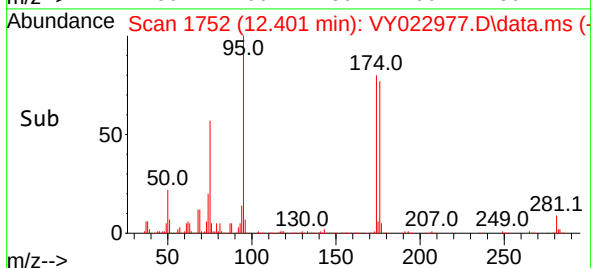
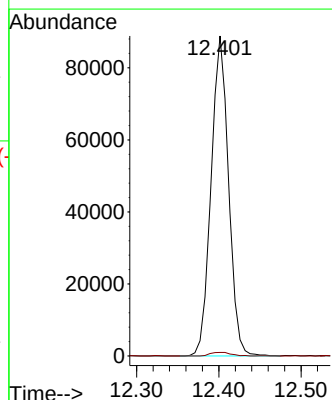
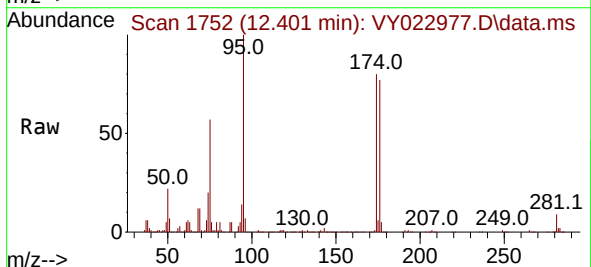
Acq: 08 Jul 2025 15:50

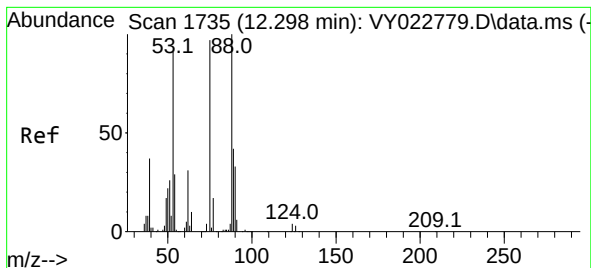
Tgt Ion: 75 Resp: 131404

Ion Ratio Lower Upper

75 100

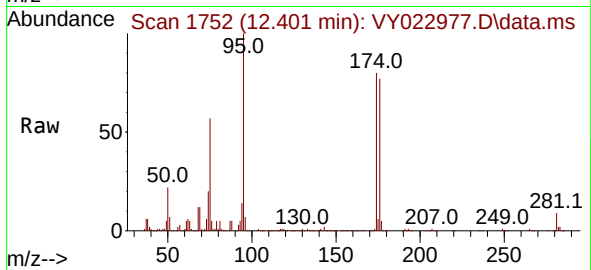
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 136.635 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022977.D
Acq: 08 Jul 2025 15:50

Instrument :
MSVOA_Y
ClientSampleId :
TP-97



Tgt Ion: 75 Resp: 131404
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.2 35.7 53.5#

