

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022821.D
 Acq On : 25 Jun 2025 13:45
 Operator : SY/MD
 Sample : Q2413-03
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-77

Quant Time: Jun 26 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)

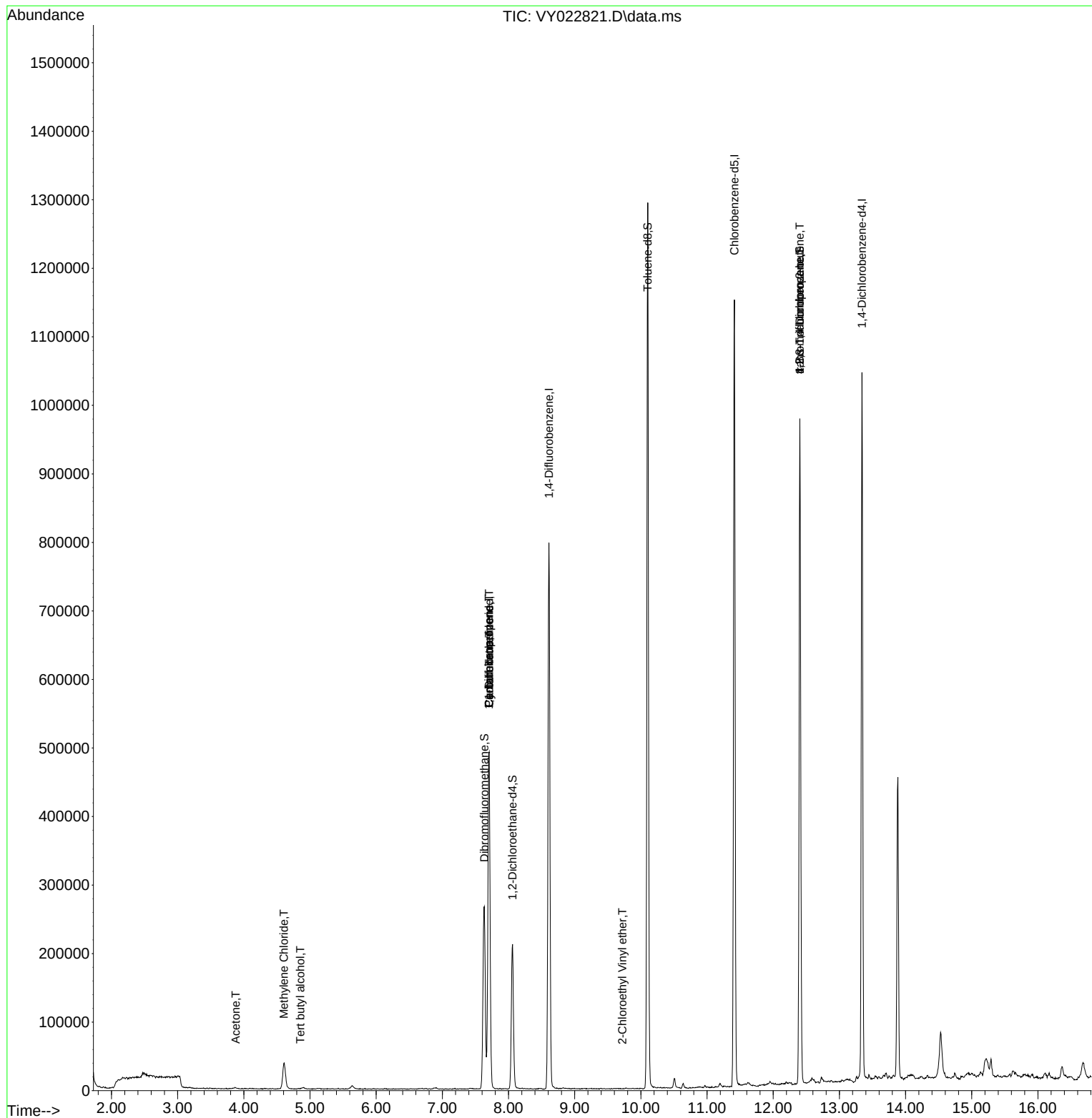
Internal Standards						
1) Pentafluorobenzene	7.707	168	381808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	681622	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	597468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	245461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165536	38.846	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.700%		
35) Dibromofluoromethane	7.634	113	190082	45.855	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.700%		
50) Toluene-d8	10.103	98	807632	49.099	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.200%		
62) 4-Bromofluorobenzene	12.402	95	253931	48.021	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.040%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.854	59	474	1.673	ug/l #	73
16) Acetone	3.879	43	2580	3.203	ug/l	94
20) Methylene Chloride	4.604	84	28075	5.520	ug/l	88
31) Cyclohexane	7.707	56	9175	1.254	ug/l #	25
36) 1,1-Dichloropropene	7.701	75	30778	4.898	ug/l #	52
38) Carbon Tetrachloride	7.707	117	38423	5.796	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.719	63	42	15.672	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	141184	56.340	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	141184	142.336	ug/l #	10

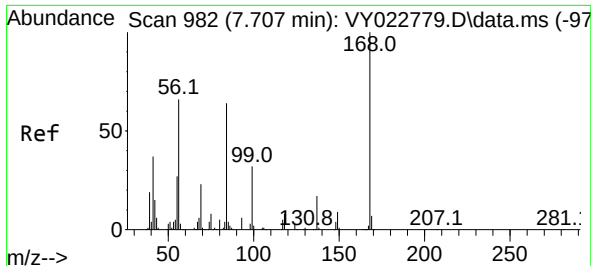
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
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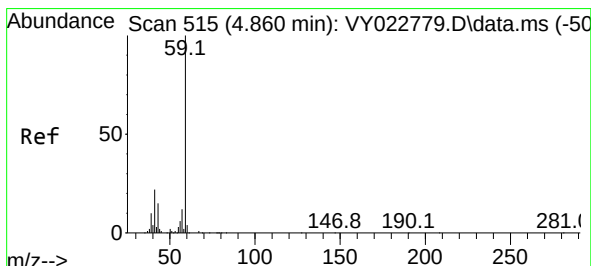
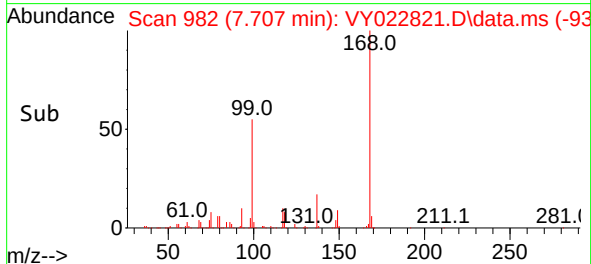
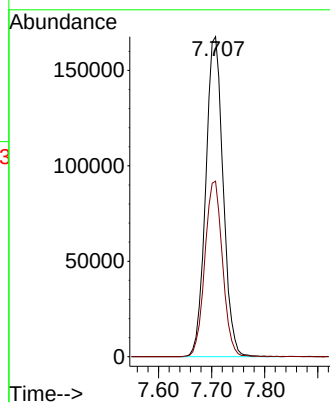
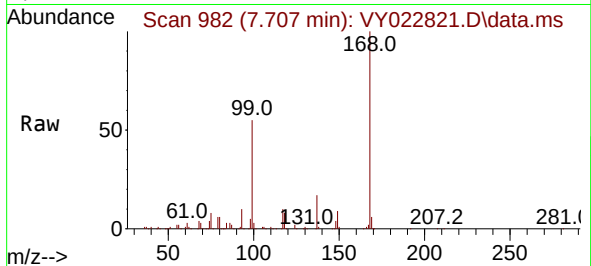




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022821.D
Acq: 25 Jun 2025 13:45

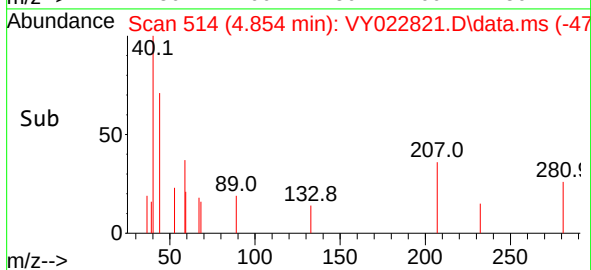
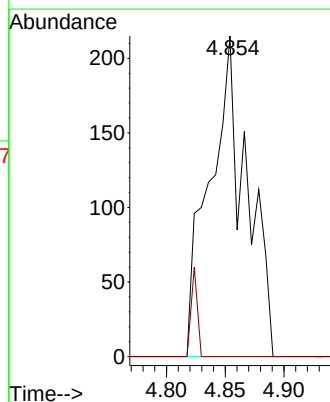
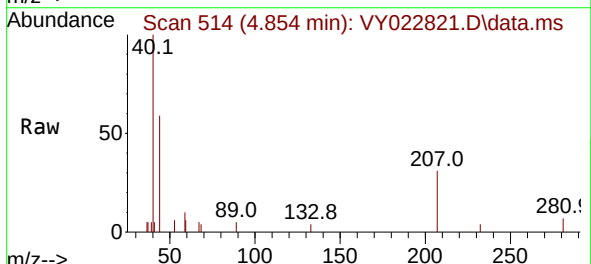
Instrument :
MSVOA_Y
ClientSampleId :
TP-77

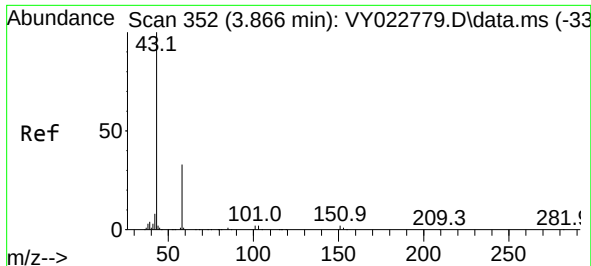
Tgt Ion:168 Resp: 381808
Ion Ratio Lower Upper
168 100
99 54.9 44.3 66.5



#11
Tert butyl alcohol
Concen: 1.673 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.031 min
Lab File: VY022821.D
Acq: 25 Jun 2025 13:45

Tgt Ion: 59 Resp: 474
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

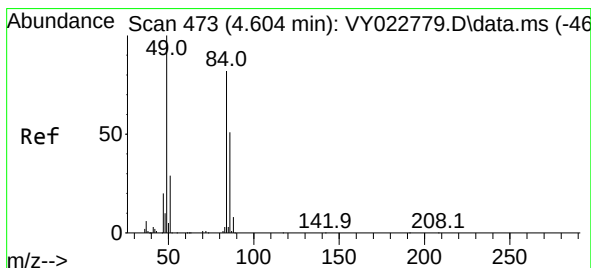
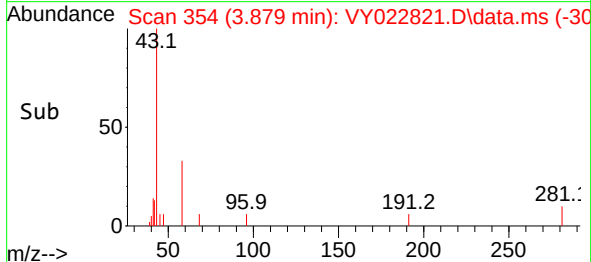
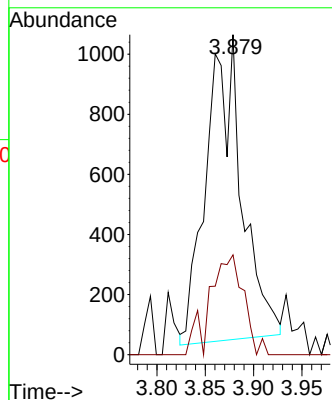
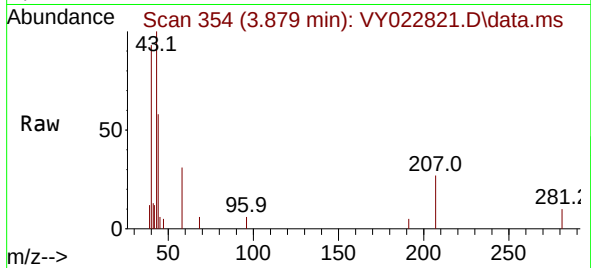




#16
Acetone
Concen: 3.203 ug/l
RT: 3.879 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY022821.D
Acq: 25 Jun 2025 13:45

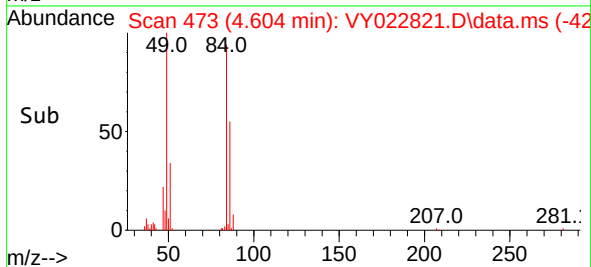
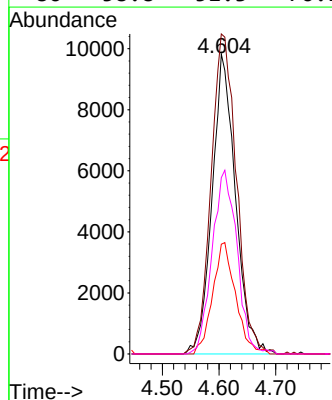
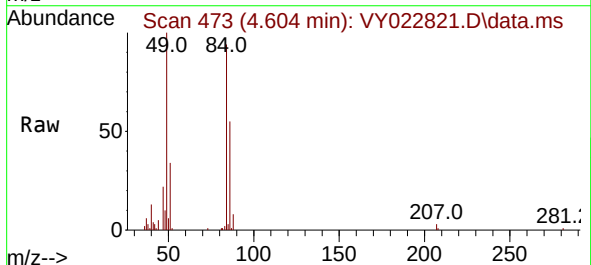
Instrument :
MSVOA_Y
ClientSampleId :
TP-77

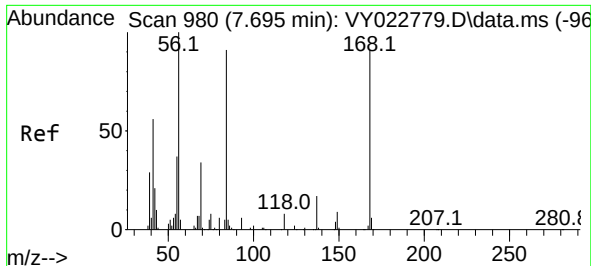
Tgt Ion: 43 Resp: 2580
Ion Ratio Lower Upper
43 100
58 33.3 24.0 36.0



#20
Methylene Chloride
Concen: 5.520 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY022821.D
Acq: 25 Jun 2025 13:45

Tgt Ion: 84 Resp: 28075
Ion Ratio Lower Upper
84 100
49 106.7 101.9 152.9
51 36.6 29.8 44.8
86 58.8 51.3 76.9

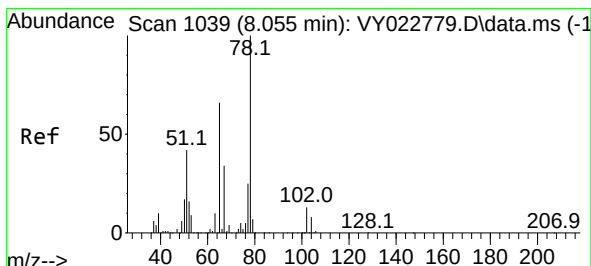
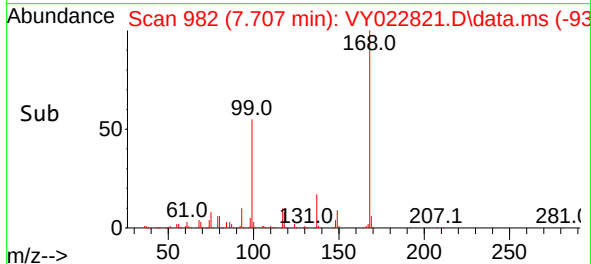
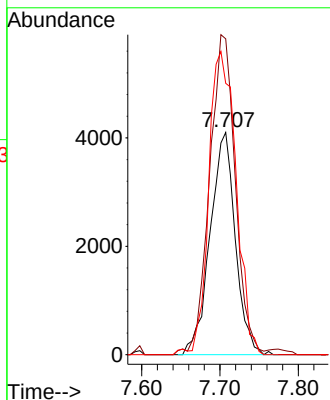
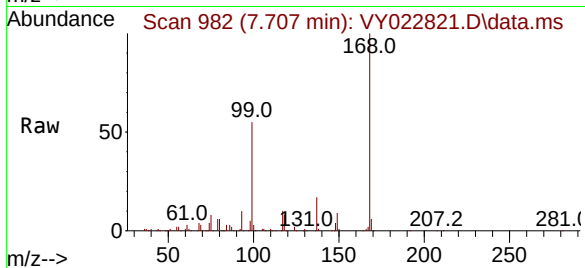




#31
Cyclohexane
Concen: 1.254 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022821.D
Acq: 25 Jun 2025 13:45

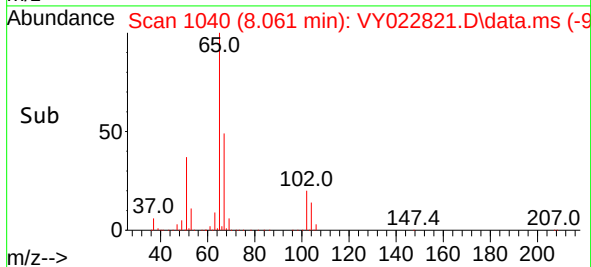
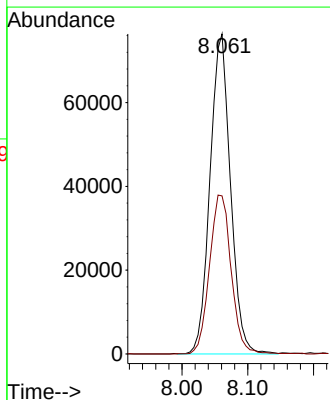
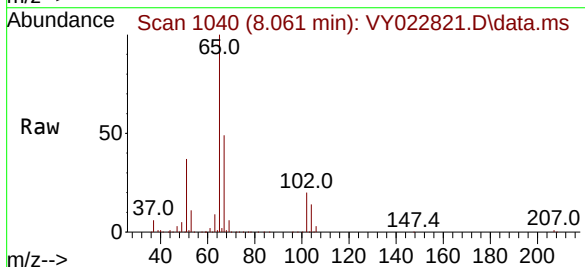
Instrument :
MSVOA_Y
ClientSampleId :
TP-77

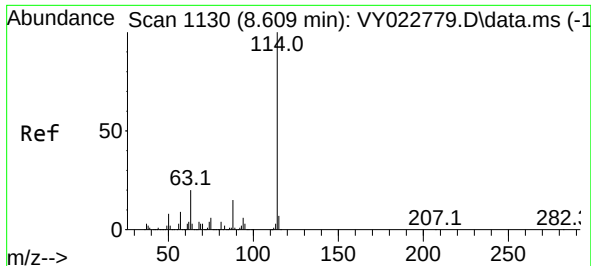
Tgt Ion: 56 Resp: 9175
Ion Ratio Lower Upper
56 100
69 140.3 27.0 40.6#
84 122.1 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 38.846 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022821.D
Acq: 25 Jun 2025 13:45

Tgt Ion: 65 Resp: 165536
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4

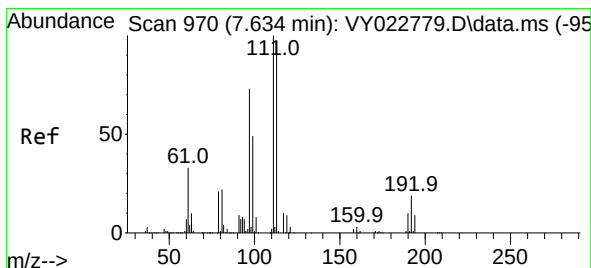
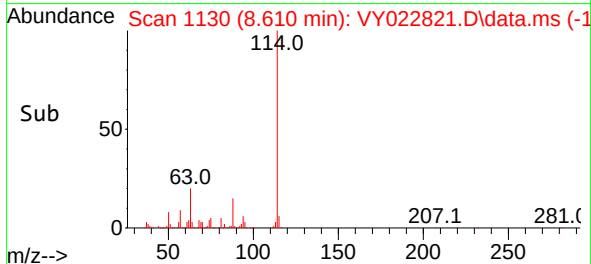
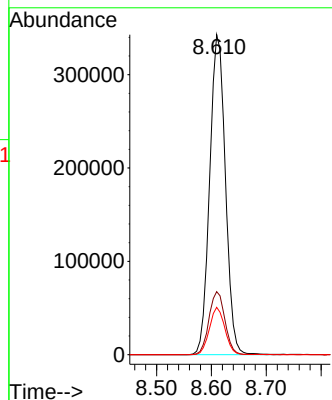
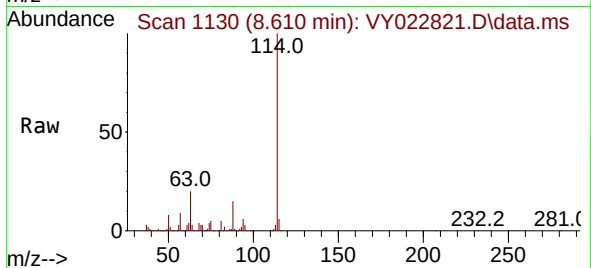




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022821.D
Acq: 25 Jun 2025 13:45

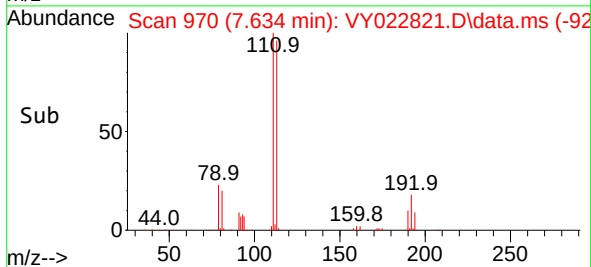
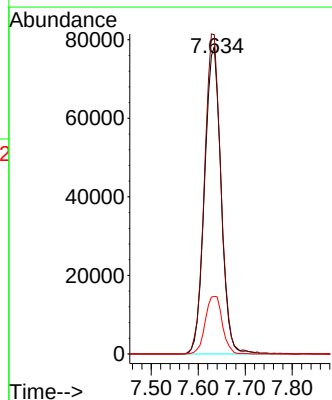
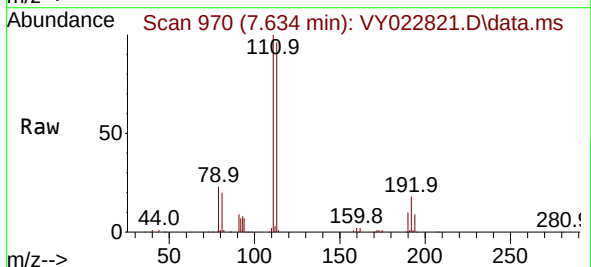
Instrument :
MSVOA_Y
ClientSampleId :
TP-77

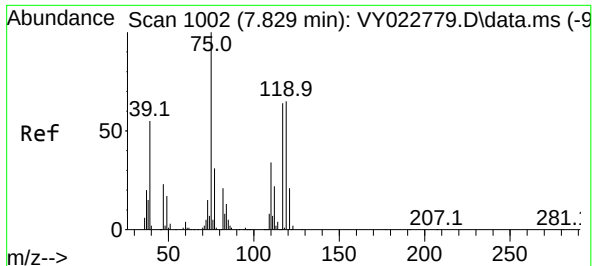
Tgt Ion:114 Resp: 681622
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.8
88 14.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 45.855 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022821.D
Acq: 25 Jun 2025 13:45

Tgt Ion:113 Resp: 190082
Ion Ratio Lower Upper
113 100
111 104.3 81.1 121.7
192 19.4 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.898 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022821.D

Acq: 25 Jun 2025 13:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-77

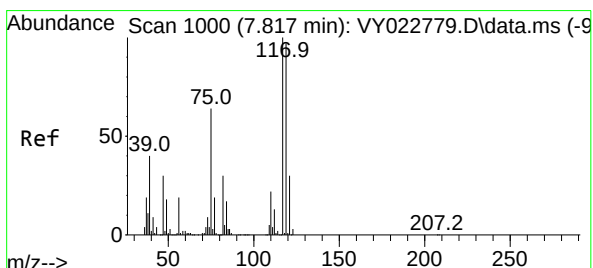
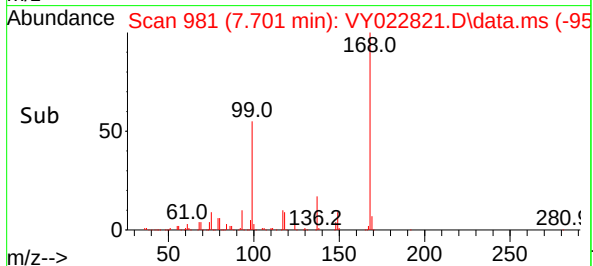
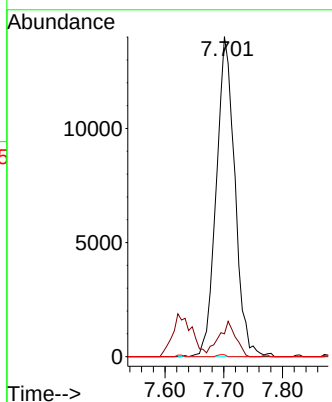
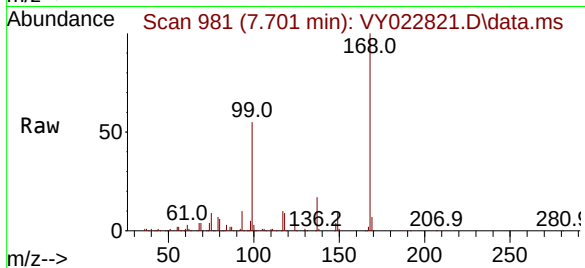
Tgt Ion: 75 Resp: 30778

Ion Ratio Lower Upper

75 100

110 10.1 16.9 50.7#

77 0.3 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.796 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022821.D

Acq: 25 Jun 2025 13:45

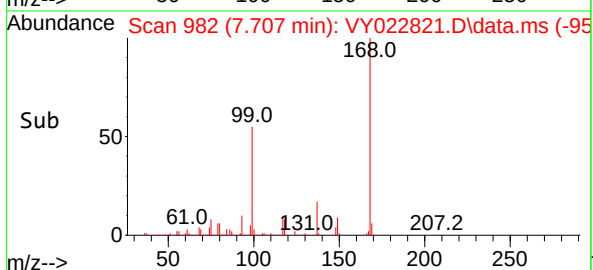
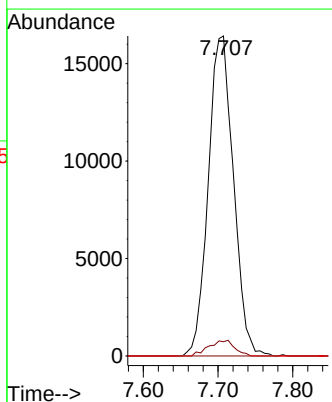
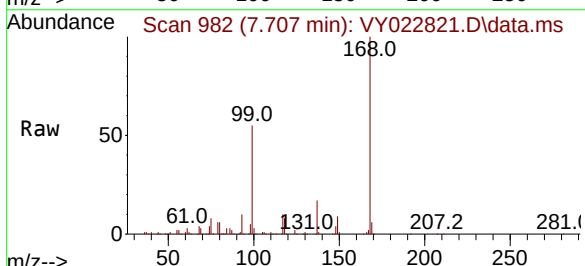
Tgt Ion: 117 Resp: 38423

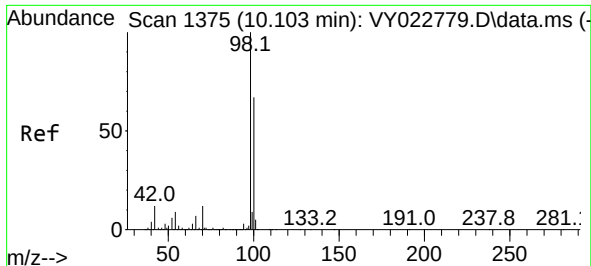
Ion Ratio Lower Upper

117 100

119 4.5 75.0 112.6#

121 0.0 25.0 37.4#

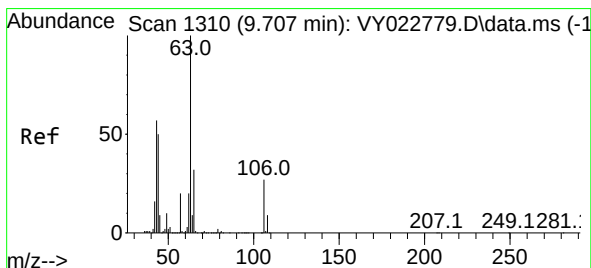
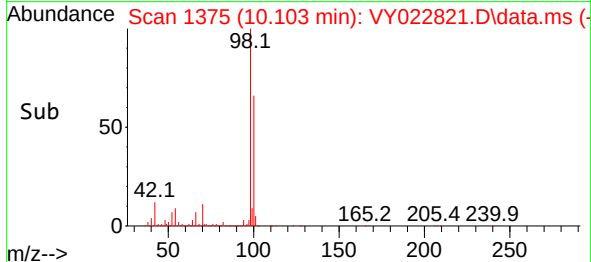
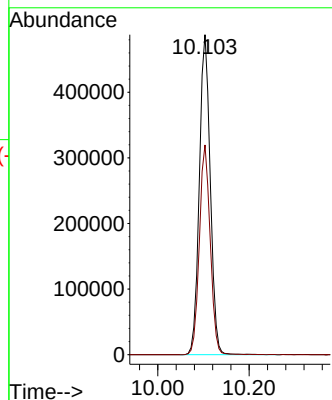
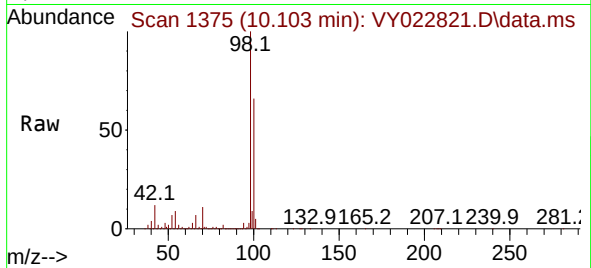




#50
Toluene-d8
Concen: 49.099 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022821.D
Acq: 25 Jun 2025 13:45

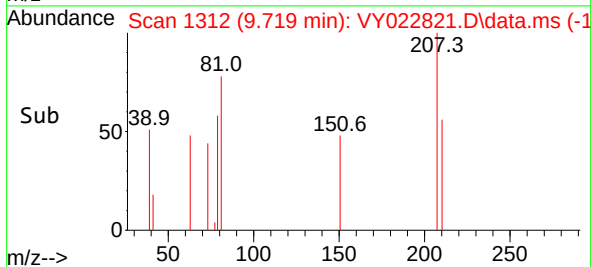
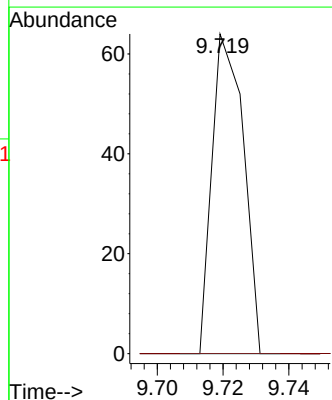
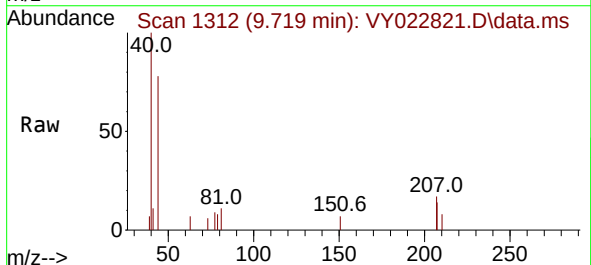
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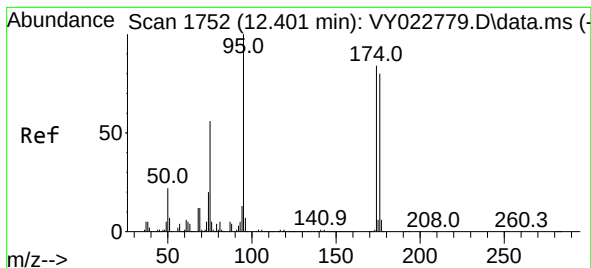
Tgt Ion: 98 Resp: 807632
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.672 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY022821.D
Acq: 25 Jun 2025 13:45

Tgt Ion: 63 Resp: 42
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#





#62

4-Bromofluorobenzene

Concen: 48.021 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022821.D

Acq: 25 Jun 2025 13:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-77

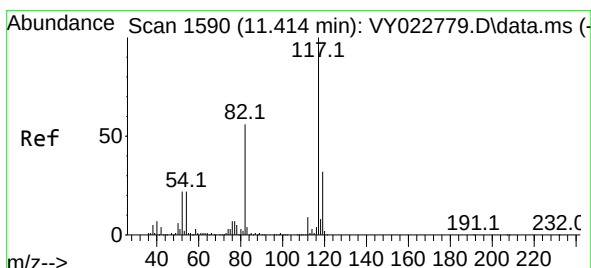
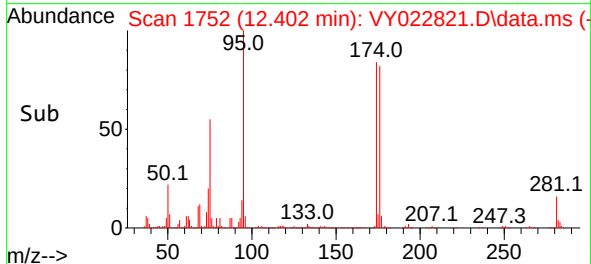
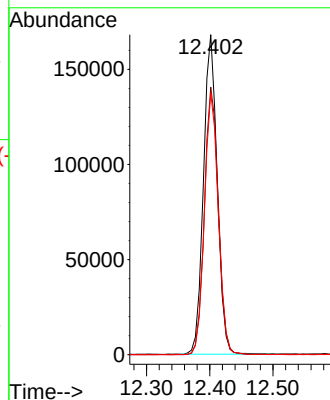
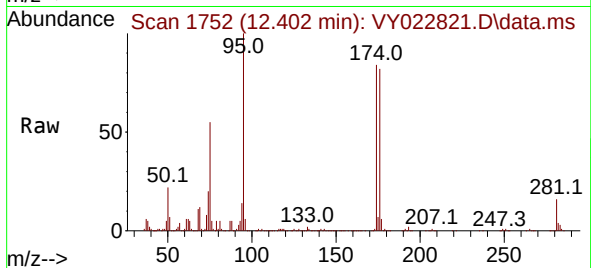
Tgt Ion: 95 Resp: 253931

Ion Ratio Lower Upper

95 100

174 85.5 0.0 170.0

176 82.7 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: VY022821.D

Acq: 25 Jun 2025 13:45

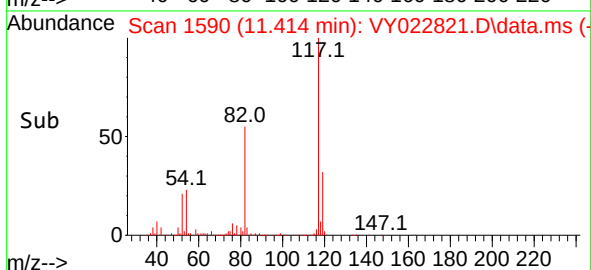
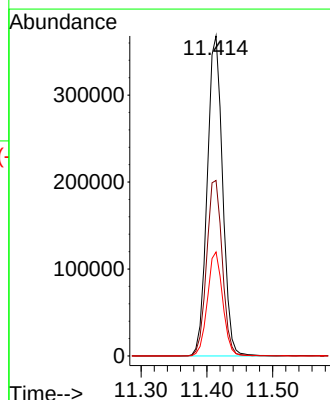
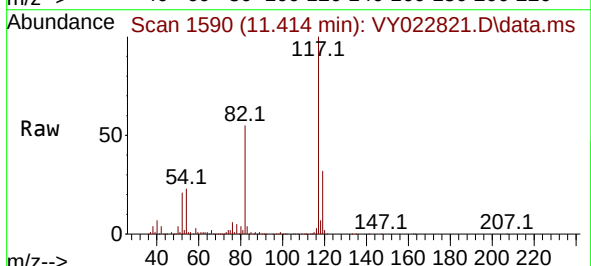
Tgt Ion: 117 Resp: 597468

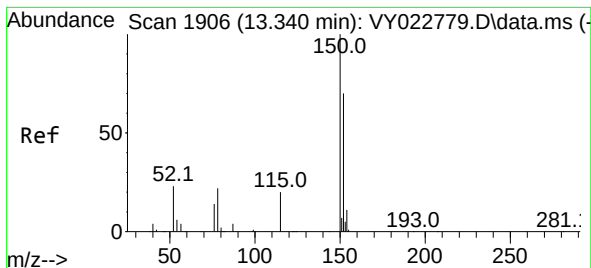
Ion Ratio Lower Upper

117 100

82 54.8 44.6 66.8

119 32.5 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: VY022821.D

Acq: 25 Jun 2025 13:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-77

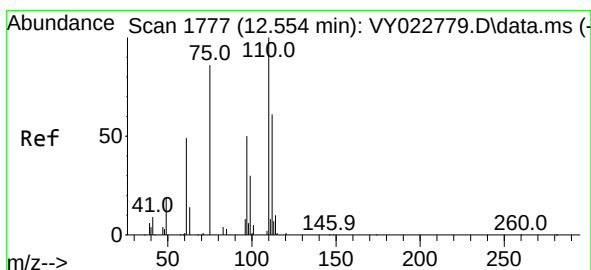
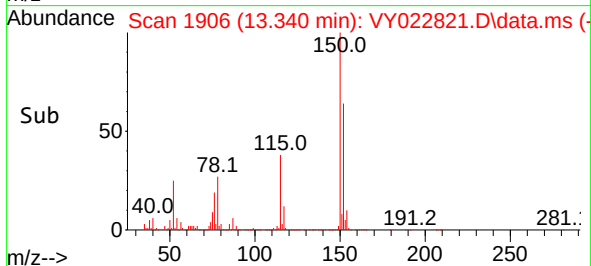
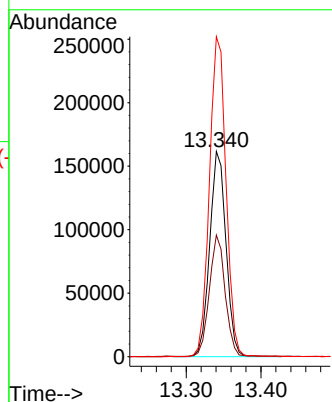
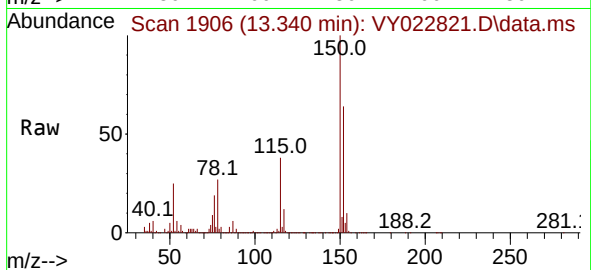
Tgt Ion:152 Resp: 245461

Ion Ratio Lower Upper

152 100

115 57.0 28.9 86.7

150 157.8 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 56.340 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022821.D

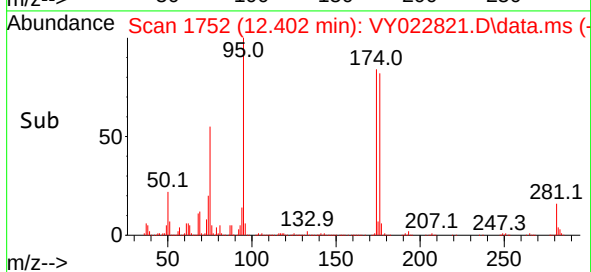
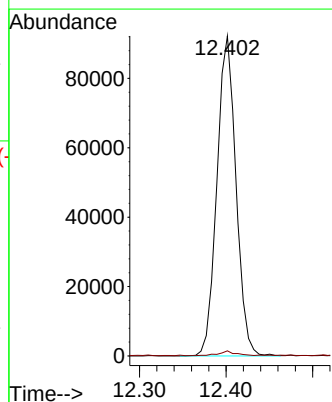
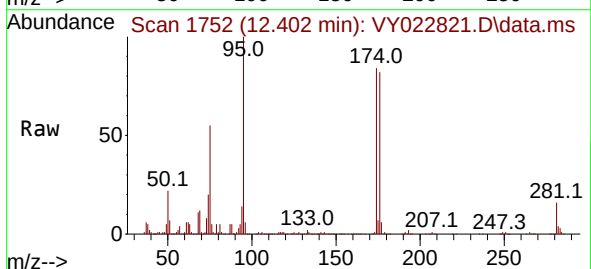
Acq: 25 Jun 2025 13:45

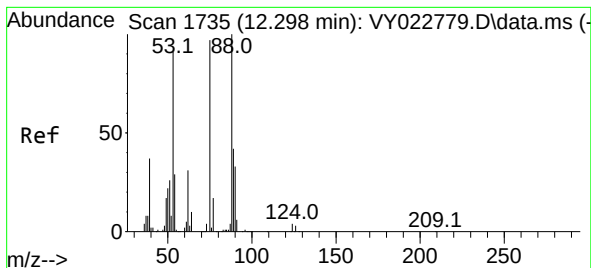
Tgt Ion: 75 Resp: 141184

Ion Ratio Lower Upper

75 100

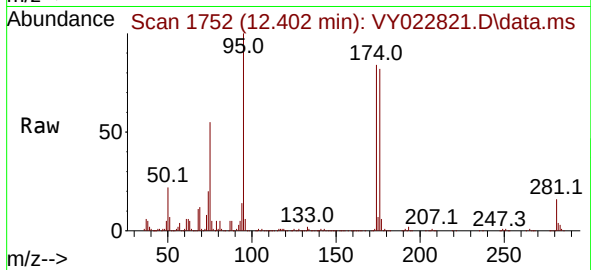
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.336 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022821.D
 Acq: 25 Jun 2025 13:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-77



Tgt Ion: 75 Resp: 141184
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.1 35.7 53.5#

