

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022824.D
 Acq On : 25 Jun 2025 14:55
 Operator : SY/MD
 Sample : Q2413-06
 Misc : 4.68g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-72

Quant Time: Jun 26 01:26:48 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)

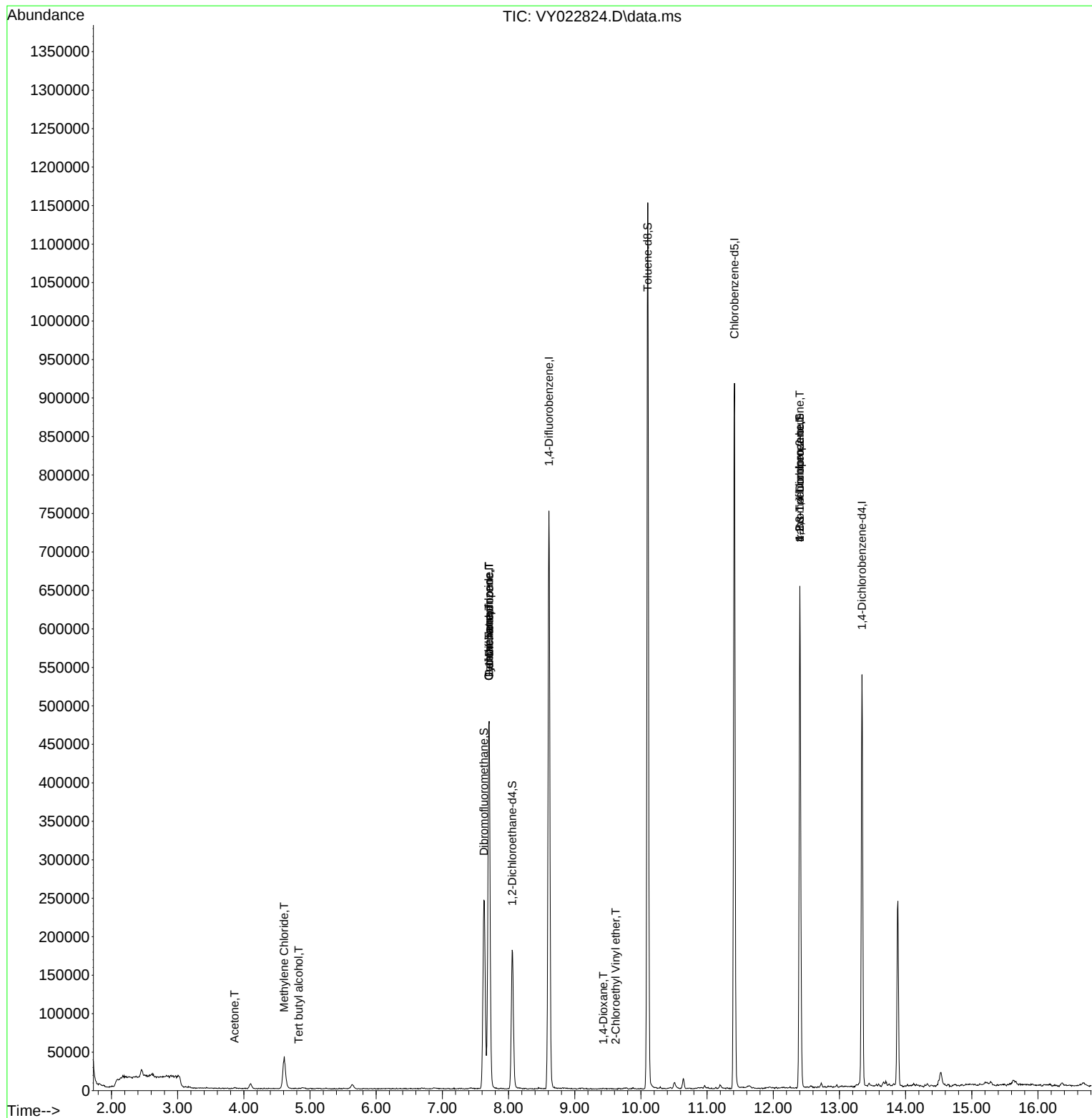
Internal Standards						
1) Pentafluorobenzene	7.707	168	370869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	633647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	472763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	131537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	143374	34.637	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.280%
35) Dibromofluoromethane	7.628	113	177292	46.008	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.020%
50) Toluene-d8	10.103	98	724824	47.401	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.800%
62) 4-Bromofluorobenzene	12.402	95	165420	33.651	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.300%
Target Compounds						Qvalue
11) Tert butyl alcohol	4.830	59	404	1.468	ug/l #	58
16) Acetone	3.860	43	1507	1.926	ug/l	92
20) Methylene Chloride	4.610	84	27592	5.585	ug/l	95
31) Cyclohexane	7.701	56	8851	1.245	ug/l #	26
36) 1,1-Dichloropropene	7.707	75	31194	5.341	ug/l #	51
38) Carbon Tetrachloride	7.701	117	37960	6.159	ug/l #	16
49) 1,4-Dioxane	9.433	88	34	1.206	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.622	63	29	15.668	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	95026	70.763	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	95026	178.774	ug/l #	10

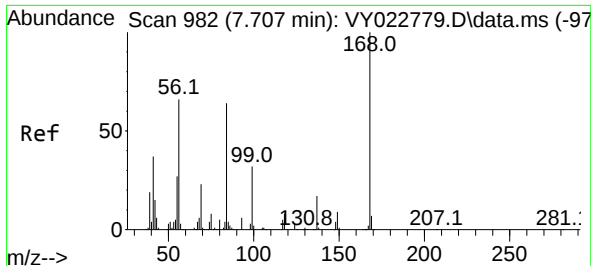
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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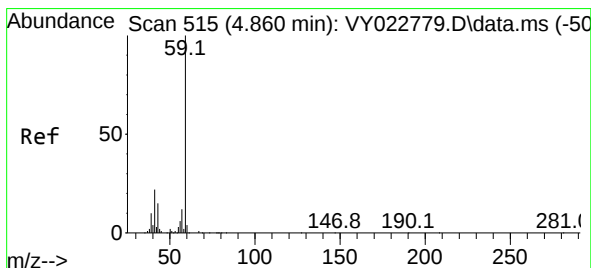
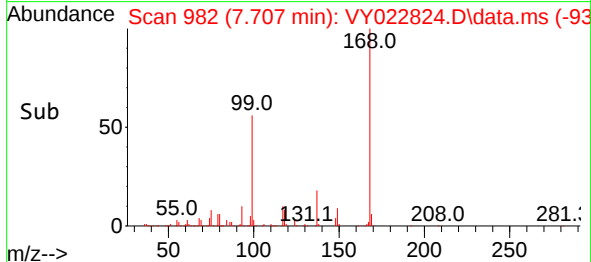
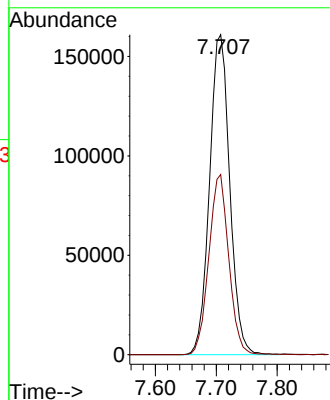
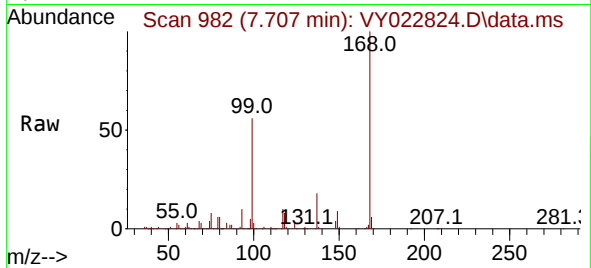




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022824.D
Acq: 25 Jun 2025 14:55

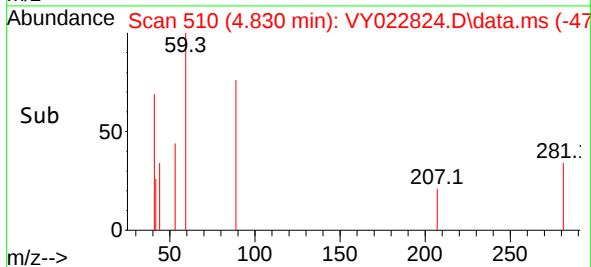
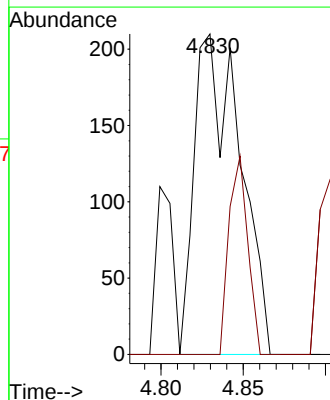
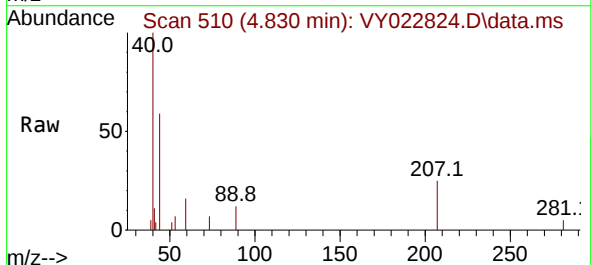
Instrument :
MSVOA_Y
ClientSampleId :
TP-72

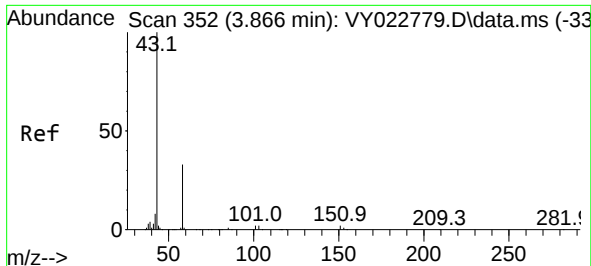
Tgt Ion:168 Resp: 370869
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#11
Tert butyl alcohol
Concen: 1.468 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.055 min
Lab File: VY022824.D
Acq: 25 Jun 2025 14:55

Tgt Ion: 59 Resp: 404
Ion Ratio Lower Upper
59 100
57 25.7 8.0 12.0#

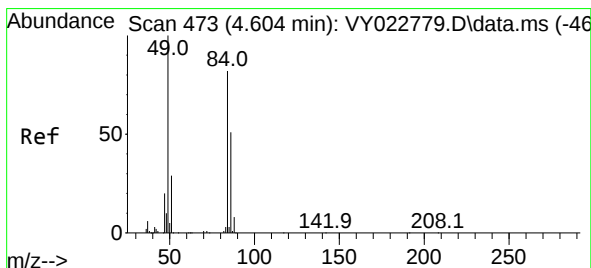
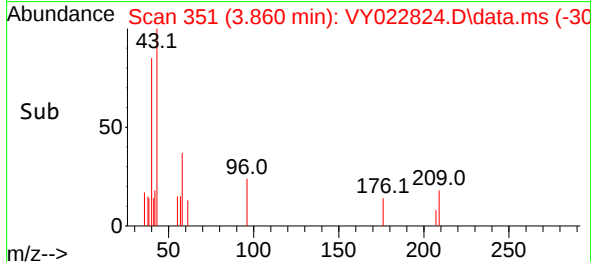
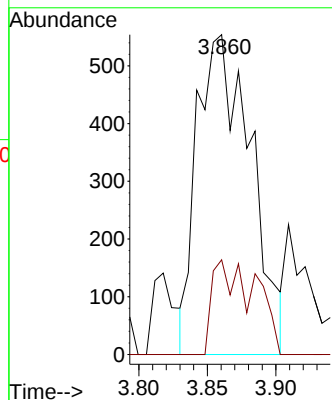
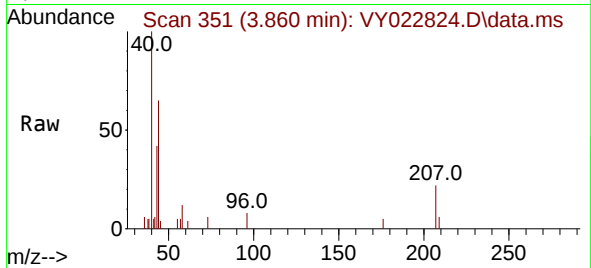




#16
Acetone
Concen: 1.926 ug/l
RT: 3.860 min Scan# 352
Delta R.T. -0.018 min
Lab File: VY022824.D
Acq: 25 Jun 2025 14:55

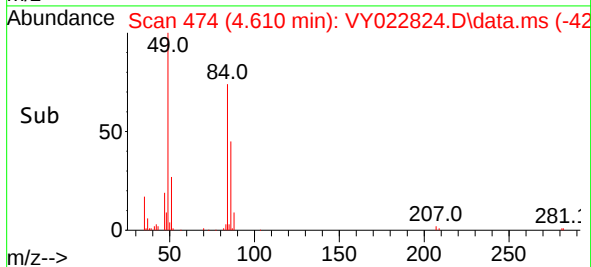
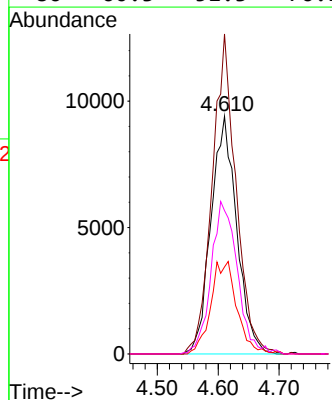
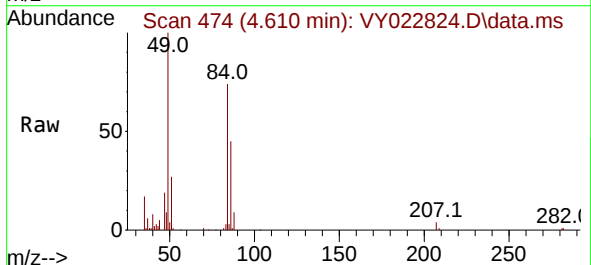
Instrument :
MSVOA_Y
ClientSampleId :
TP-72

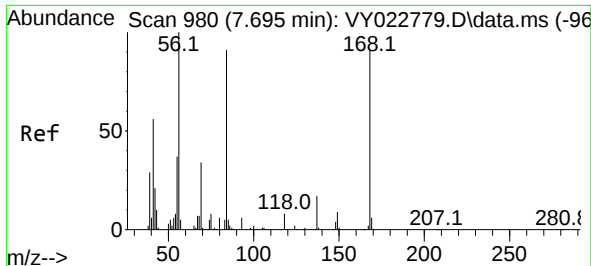
Tgt Ion: 43 Resp: 1507
Ion Ratio Lower Upper
43 100
58 34.6 24.0 36.0



#20
Methylene Chloride
Concen: 5.585 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022824.D
Acq: 25 Jun 2025 14:55

Tgt Ion: 84 Resp: 27592
Ion Ratio Lower Upper
84 100
49 134.6 101.9 152.9
51 36.6 29.8 44.8
86 60.3 51.3 76.9

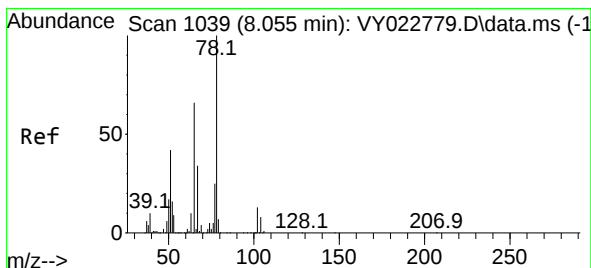
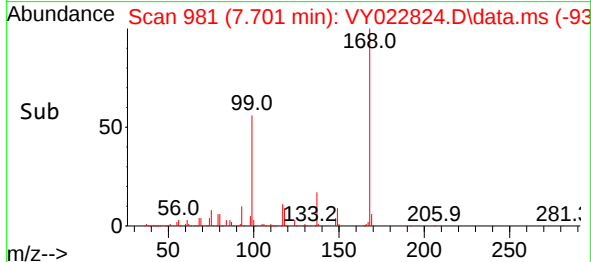
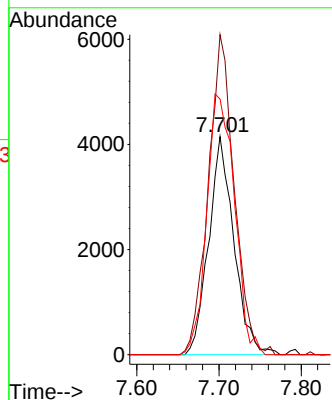
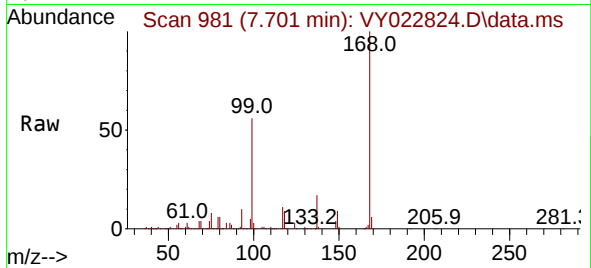




#31
Cyclohexane
Concen: 1.245 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022824.D
Acq: 25 Jun 2025 14:55

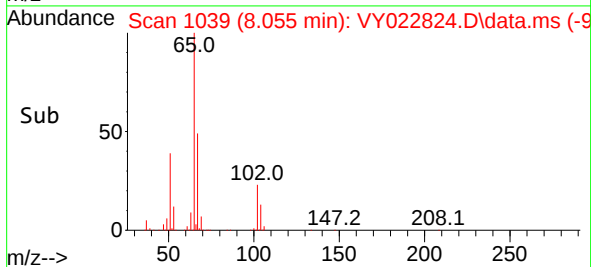
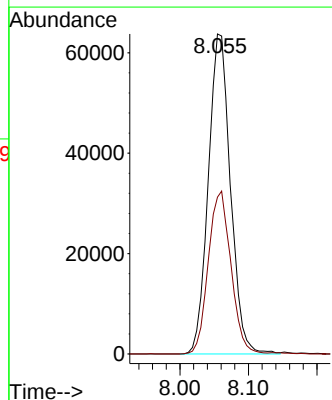
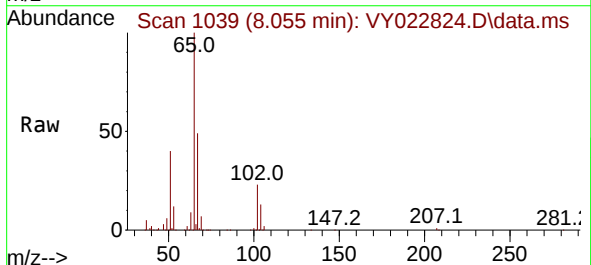
Instrument :
MSVOA_Y
ClientSampleId :
TP-72

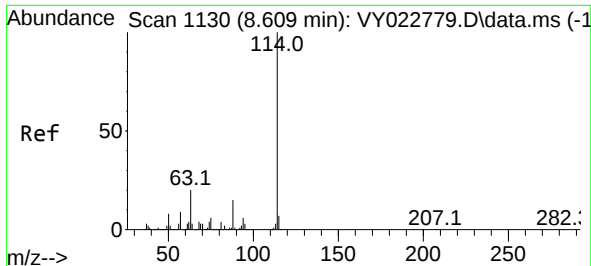
Tgt Ion: 56 Resp: 8851
Ion Ratio Lower Upper
56 100
69 146.7 27.0 40.6#
84 117.3 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 34.637 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022824.D
Acq: 25 Jun 2025 14:55

Tgt Ion: 65 Resp: 143374
Ion Ratio Lower Upper
65 100
67 51.9 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: VY022824.D

Acq: 25 Jun 2025 14:55

Instrument :

MSVOA_Y

ClientSampleId :

TP-72

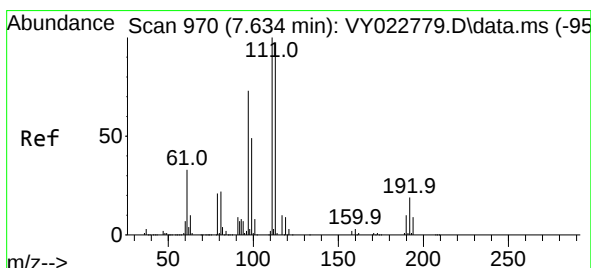
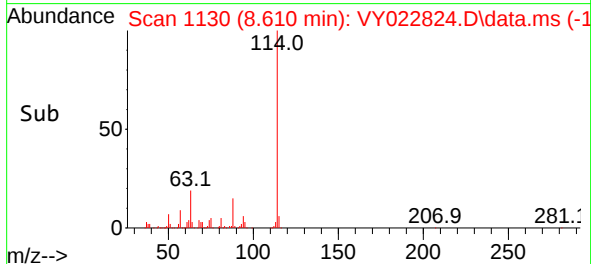
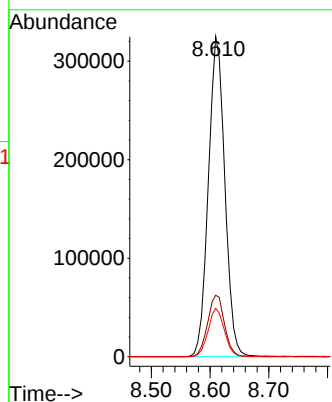
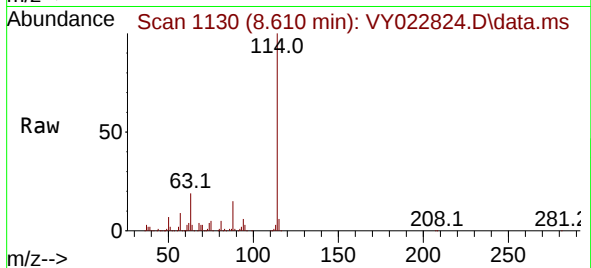
Tgt Ion:114 Resp: 633647

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.8

88 15.1 0.0 27.8



#35

Dibromofluoromethane

Concen: 46.008 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022824.D

Acq: 25 Jun 2025 14:55

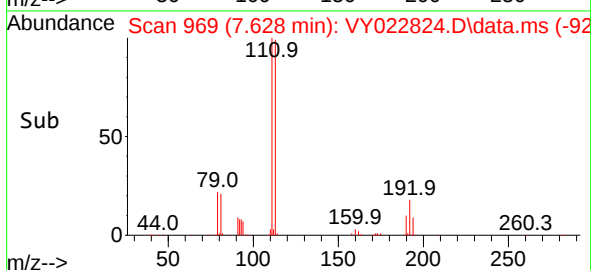
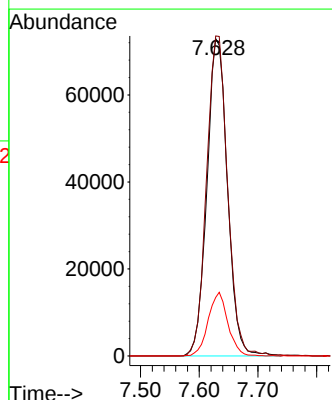
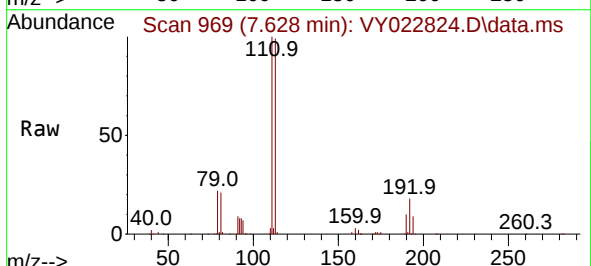
Tgt Ion:113 Resp: 177292

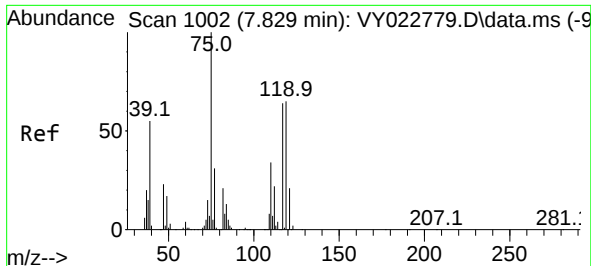
Ion Ratio Lower Upper

113 100

111 103.1 81.1 121.7

192 19.3 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.341 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY022824.D

Acq: 25 Jun 2025 14:55

Instrument :

MSVOA_Y

ClientSampleId :

TP-72

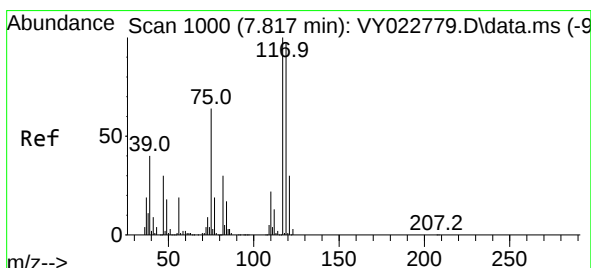
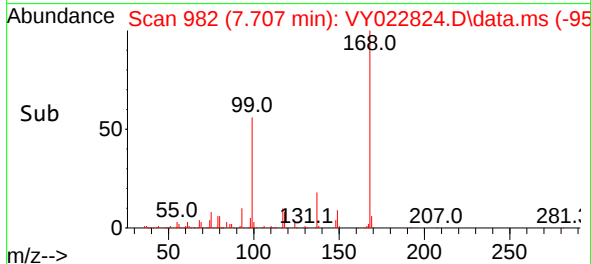
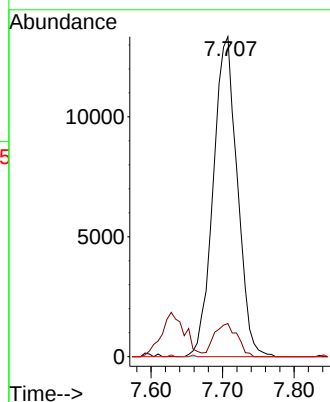
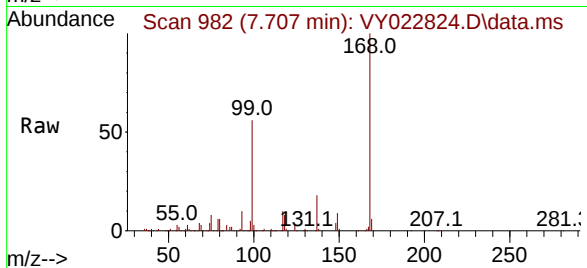
Tgt Ion: 75 Resp: 31194

Ion Ratio Lower Upper

75 100

110 10.0 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.159 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY022824.D

Acq: 25 Jun 2025 14:55

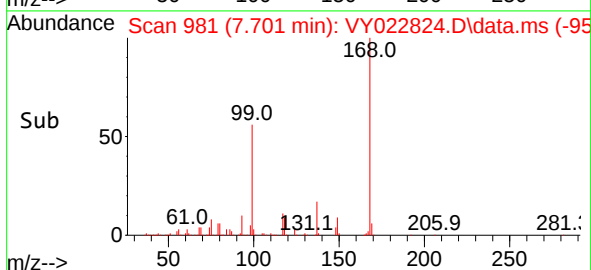
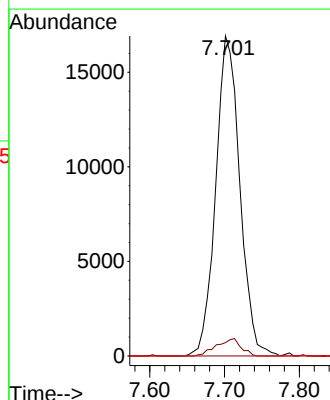
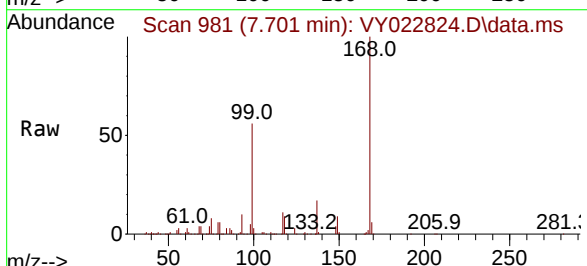
Tgt Ion: 117 Resp: 37960

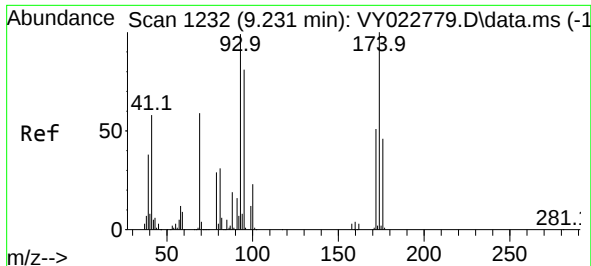
Ion Ratio Lower Upper

117 100

119 4.1 75.0 112.6#

121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 1.206 ug/l

RT: 9.433 min Scan# 1265

Delta R.T. 0.189 min

Lab File: VY022824.D

Acq: 25 Jun 2025 14:55

Instrument :

MSVOA_Y

ClientSampleId :

TP-72

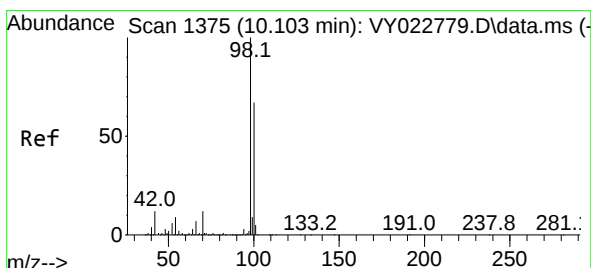
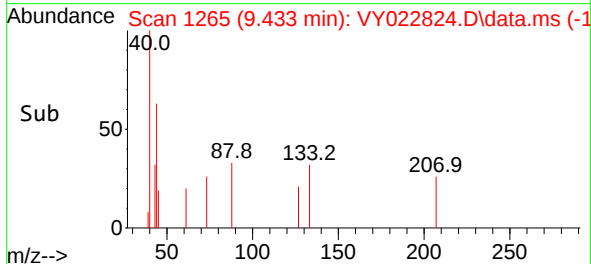
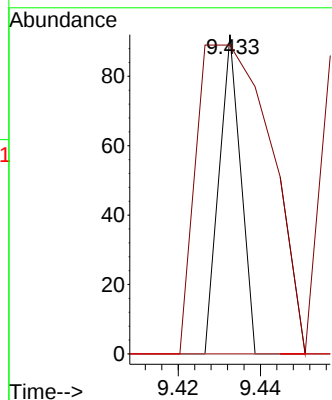
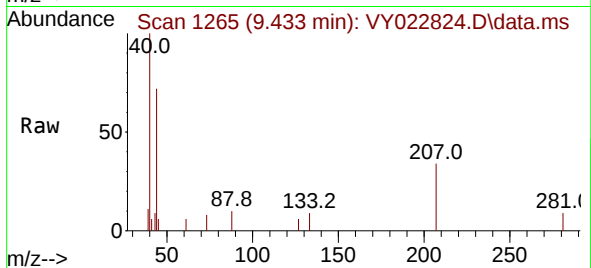
Tgt Ion: 88 Resp: 34

Ion Ratio Lower Upper

88 100

43 329.4 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 47.401 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022824.D

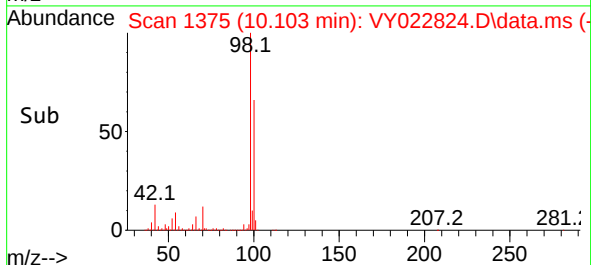
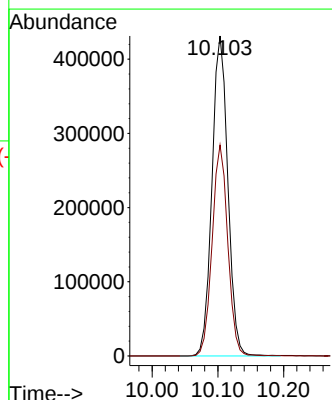
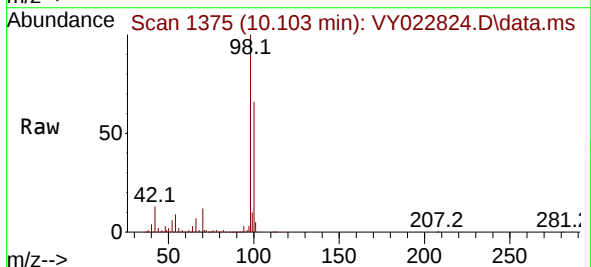
Acq: 25 Jun 2025 14:55

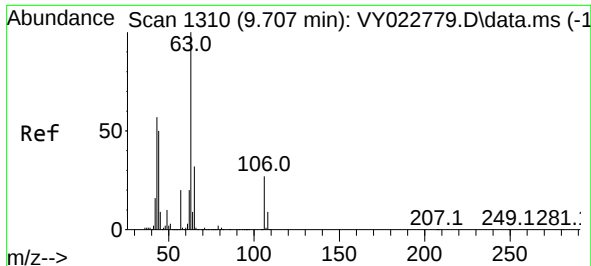
Tgt Ion: 98 Resp: 724824

Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.0

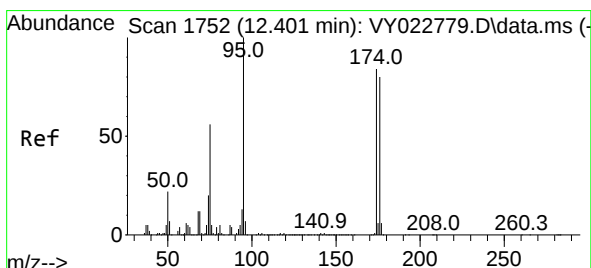
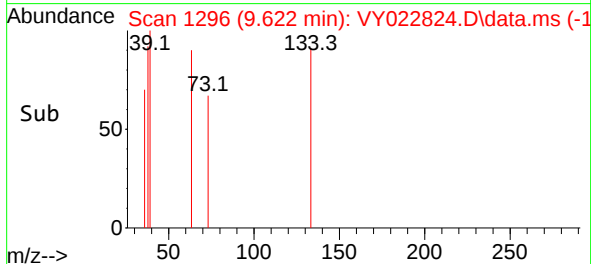
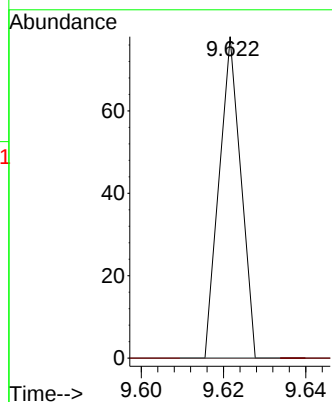
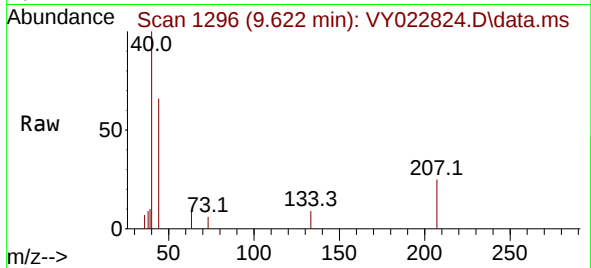




#58
2-Chloroethyl Vinyl ether
Concen: 15.668 ug/l
RT: 9.622 min Scan# 11
Delta R.T. -0.091 min
Lab File: VY022824.D
Acq: 25 Jun 2025 14:55

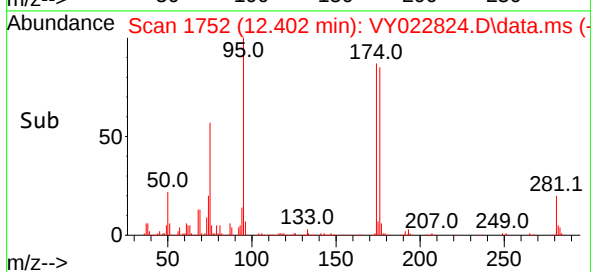
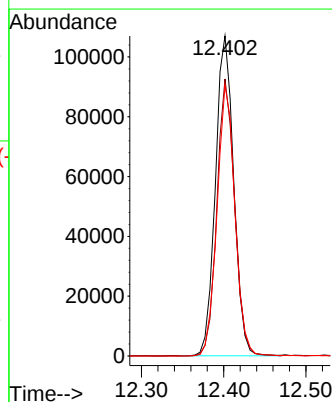
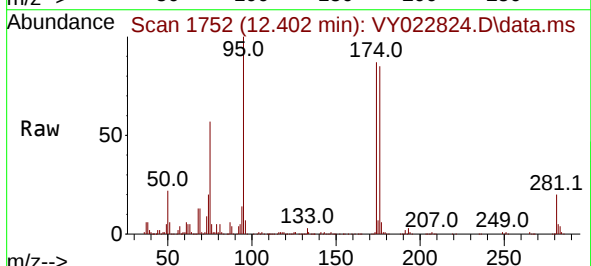
Instrument :
MSVOA_Y
ClientSampleId :
TP-72

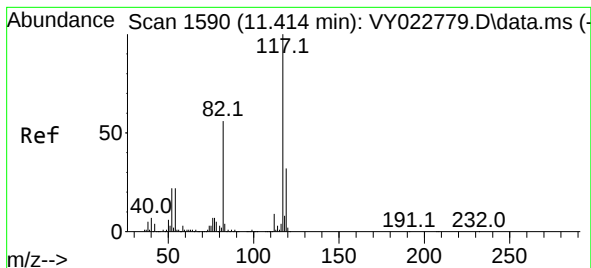
Tgt Ion: 63 Resp: 29
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 33.651 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022824.D
Acq: 25 Jun 2025 14:55

Tgt Ion: 95 Resp: 165420
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.0
176 82.7 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022824.D

Acq: 25 Jun 2025 14:55

Instrument :

MSVOA_Y

ClientSampleId :

TP-72

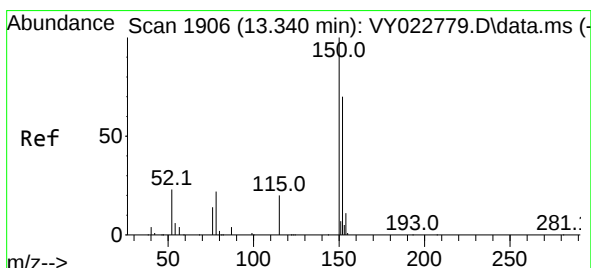
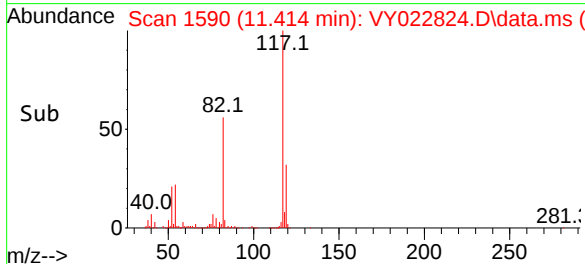
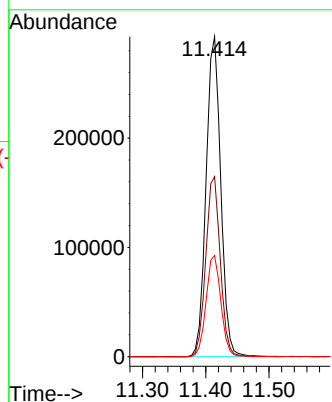
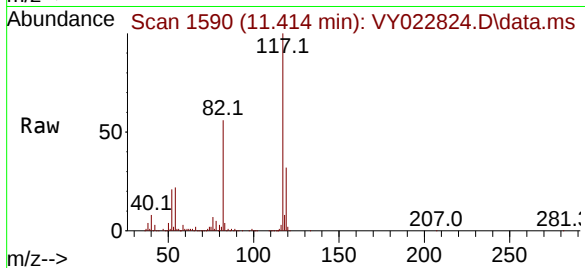
Tgt Ion:117 Resp: 472763

Ion Ratio Lower Upper

117 100

82 56.3 44.6 66.8

119 31.6 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: VY022824.D

Acq: 25 Jun 2025 14:55

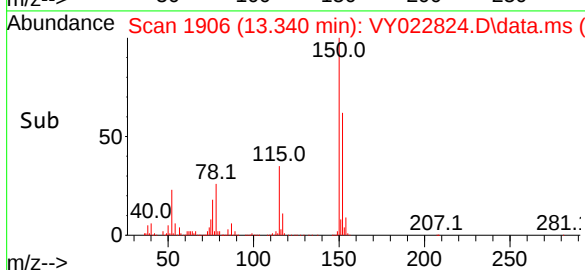
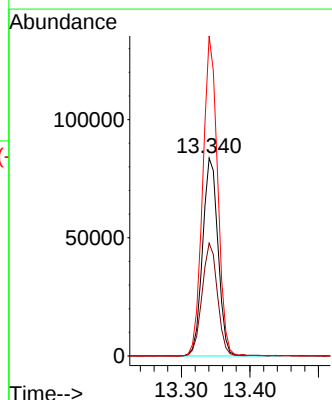
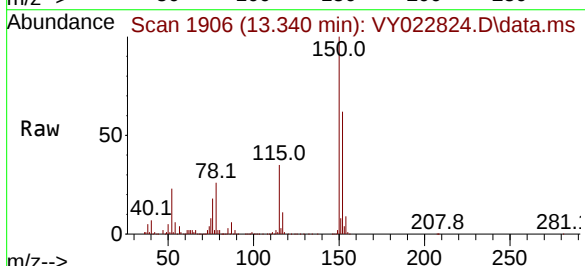
Tgt Ion:152 Resp: 131537

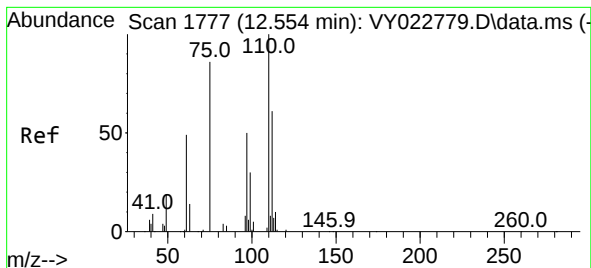
Ion Ratio Lower Upper

152 100

115 56.9 28.9 86.7

150 155.3 0.0 349.6

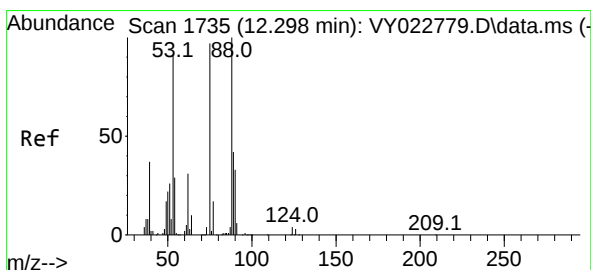
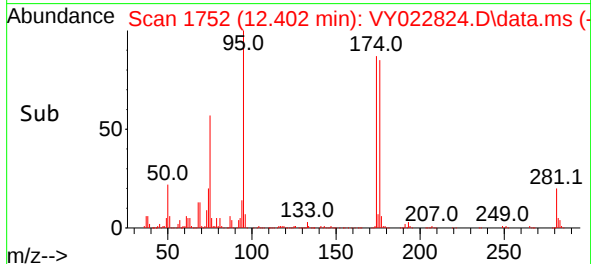
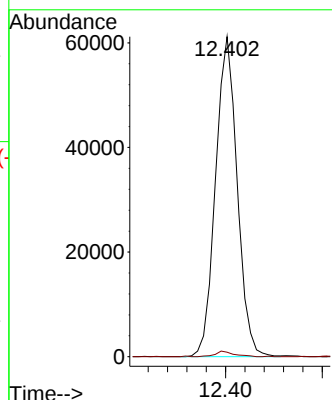
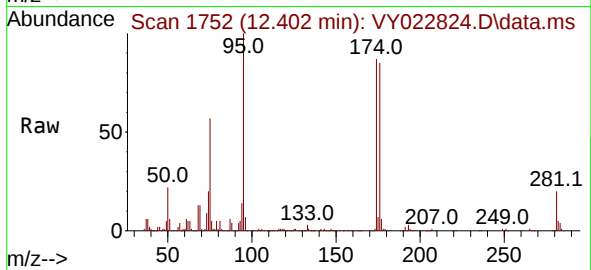




#76
 1,2,3-Trichloropropane
 Concen: 70.763 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY022824.D
 Acq: 25 Jun 2025 14:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-72

Tgt Ion: 75 Resp: 95026
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 178.774 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. 0.098 min
 Lab File: VY022824.D
 Acq: 25 Jun 2025 14:55

Tgt Ion: 75 Resp: 95026
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 35.7 53.5#

