

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021977.D
 Acq On : 23 Apr 2025 17:24
 Operator : SY/MD
 Sample : Q1852-07
 Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-12013

Quant Time: Apr 24 03:47:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

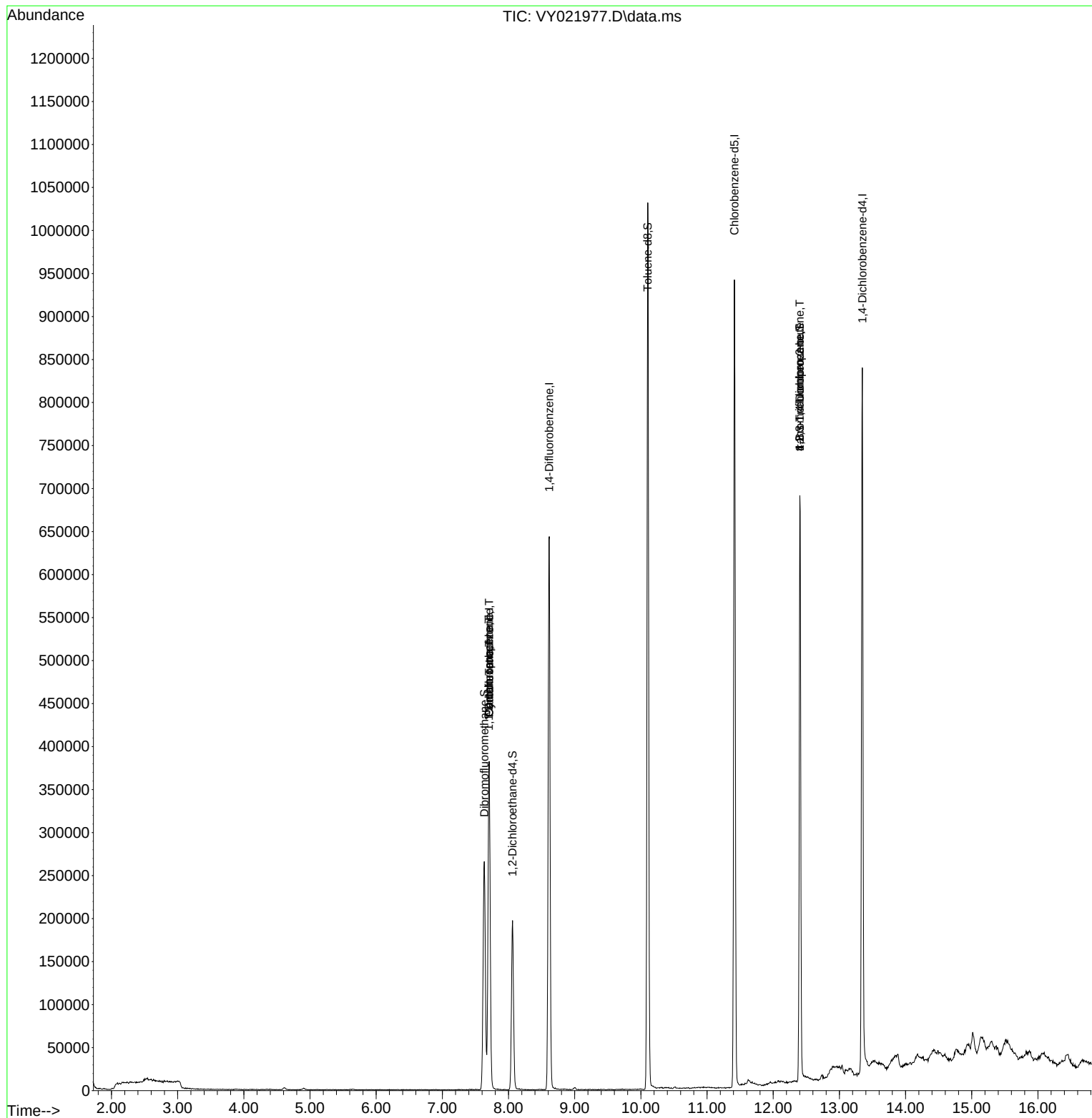
Internal Standards						
1) Pentafluorobenzene	7.707	168	301870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	576389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	524535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	216085	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151741	54.420	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.840%	
35) Dibromofluoromethane	7.634	113	190124	49.928	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.860%	
50) Toluene-d8	10.103	98	695368	48.438	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.880%	
62) 4-Bromofluorobenzene	12.402	95	216079	44.711	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.420%	
Target Compounds						Qvalue
16) Acetone	3.867	43	900	Below Cal	#	66
31) Cyclohexane	7.707	56	5452	1.183	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	22480	4.395	ug/l #	49
38) Carbon Tetrachloride	7.707	117	30074	4.920	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	104061	56.223	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	104061	135.392	ug/l #	16

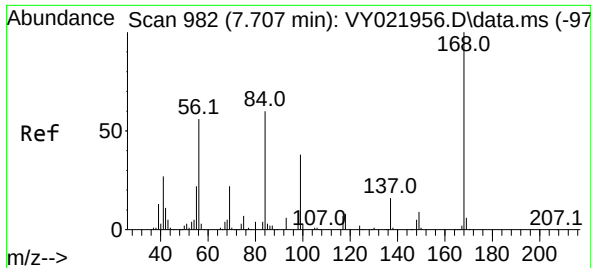
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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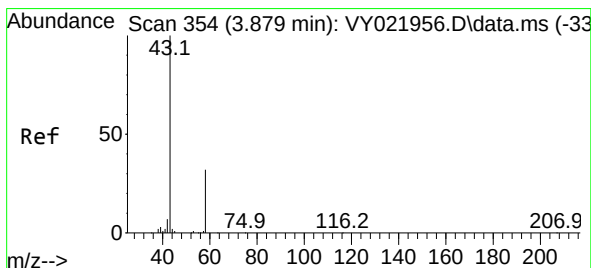
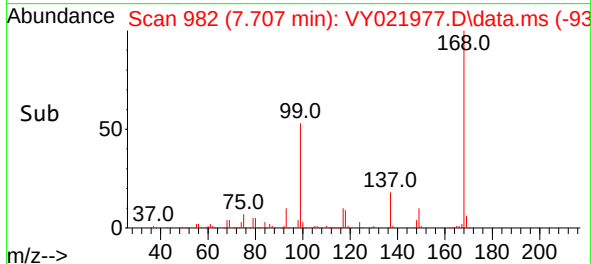
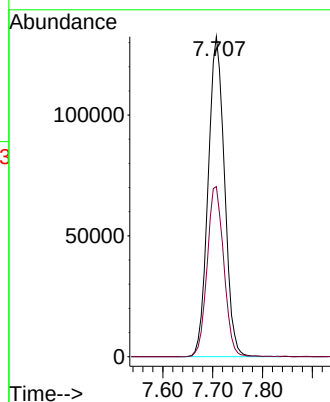
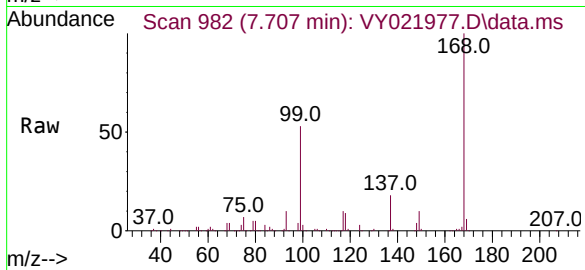




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021977.D
Acq: 23 Apr 2025 17:24

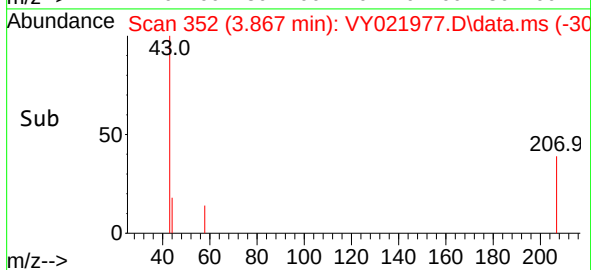
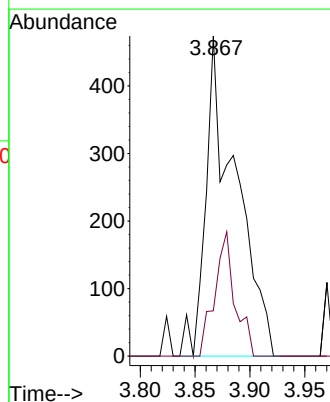
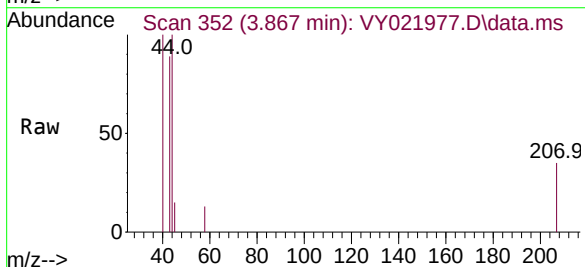
Instrument :
MSVOA_Y
ClientSampleId :
72-12013

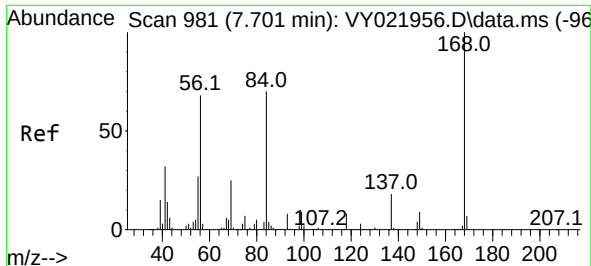
Tgt Ion:168 Resp: 301870
Ion Ratio Lower Upper
168 100
99 53.2 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY021977.D
Acq: 23 Apr 2025 17:24

Tgt Ion: 43 Resp: 900
Ion Ratio Lower Upper
43 100
58 14.1 27.0 40.4#

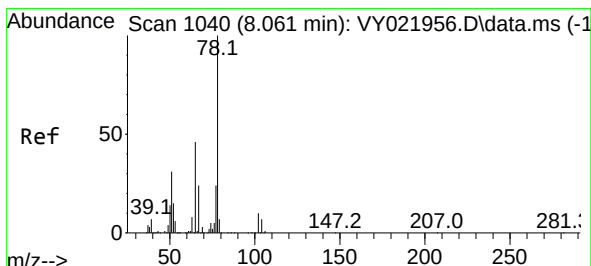
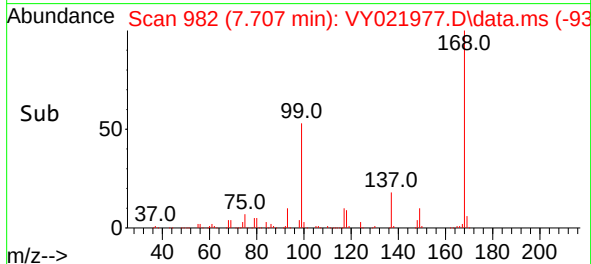
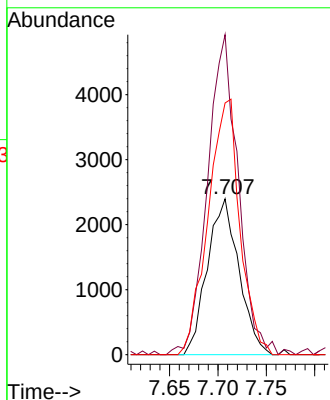
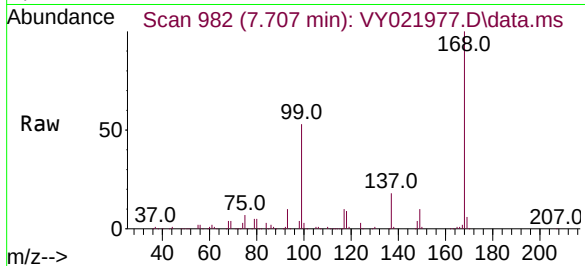




#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021977.D
Acq: 23 Apr 2025 17:24

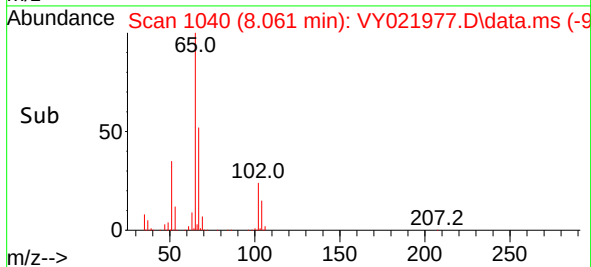
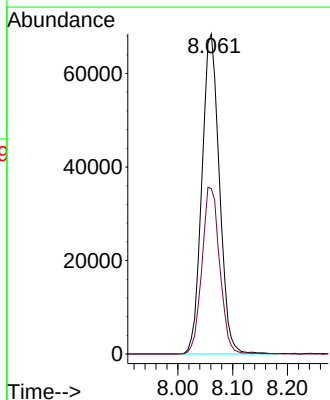
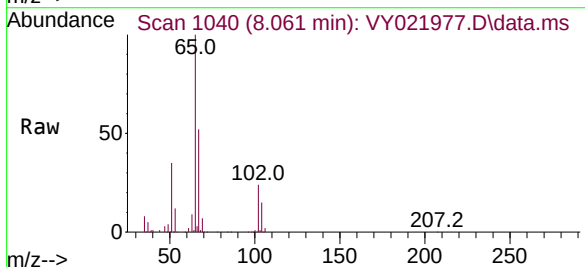
Instrument :
MSVOA_Y
ClientSampleId :
72-12013

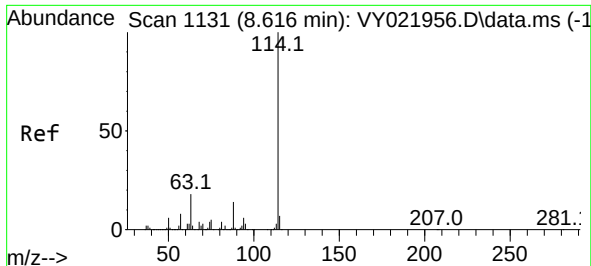
Tgt Ion: 56 Resp: 5452
Ion Ratio Lower Upper
56 100
69 205.3 29.4 44.2#
84 161.5 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 54.420 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021977.D
Acq: 23 Apr 2025 17:24

Tgt Ion: 65 Resp: 151741
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8

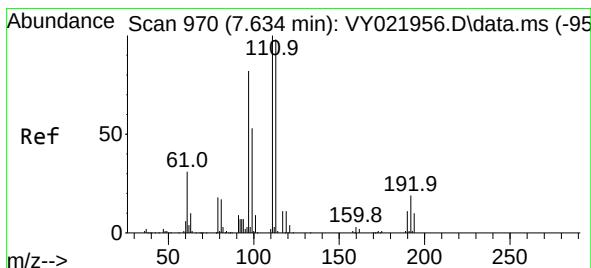
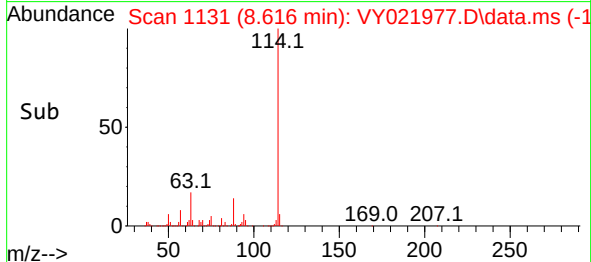
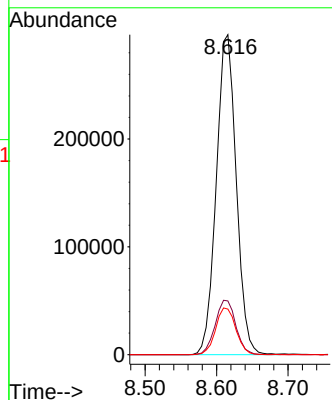
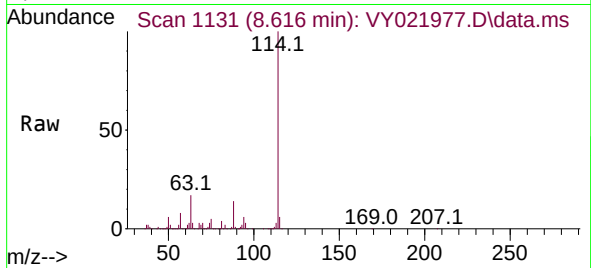




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021977.D
Acq: 23 Apr 2025 17:24

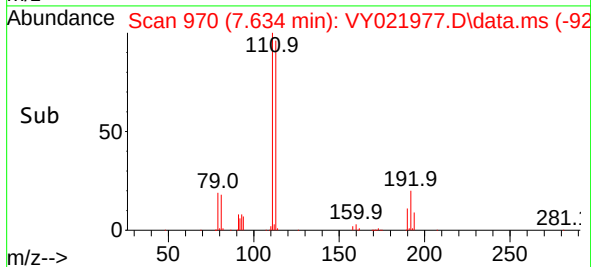
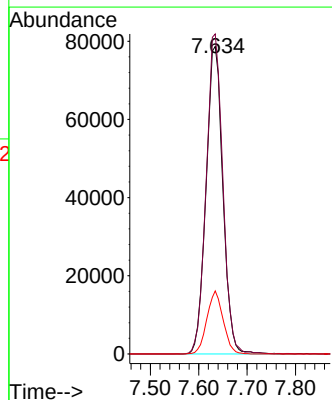
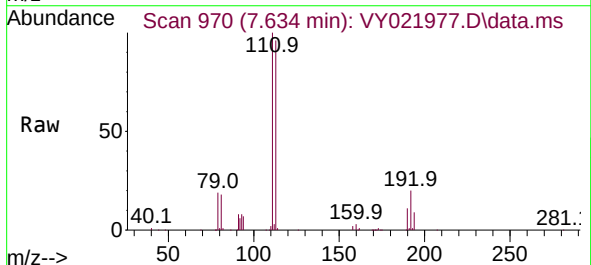
Instrument :
MSVOA_Y
ClientSampleId :
72-12013

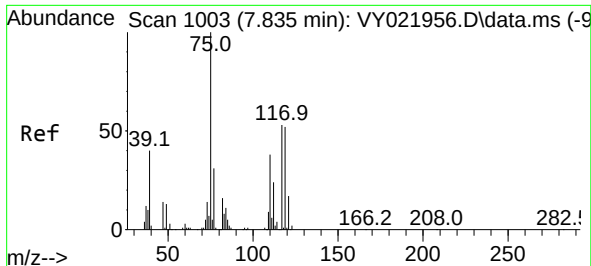
Tgt Ion:114 Resp: 576389
Ion Ratio Lower Upper
114 100
63 16.8 0.0 35.4
88 14.2 0.0 28.2



#35
Dibromofluoromethane
Concen: 49.928 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021977.D
Acq: 23 Apr 2025 17:24

Tgt Ion:113 Resp: 190124
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.8
192 19.8 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.395 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY021977.D

Acq: 23 Apr 2025 17:24

Instrument :

MSVOA_Y

ClientSampleId :

72-12013

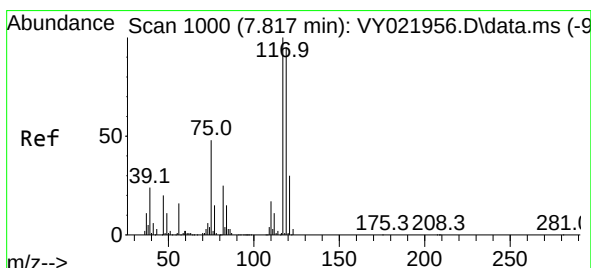
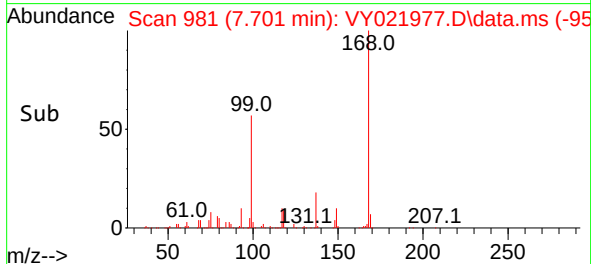
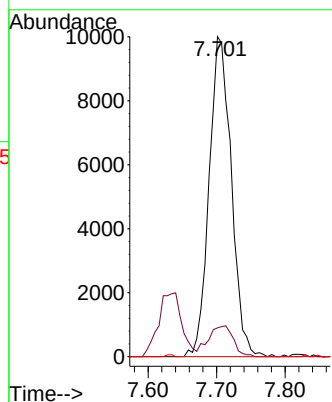
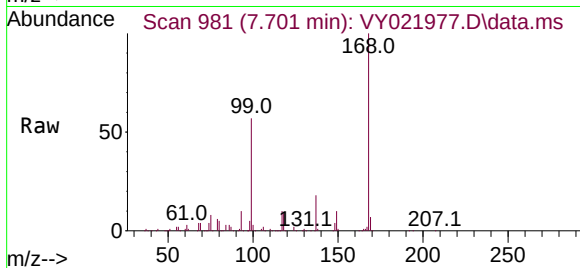
Tgt Ion: 75 Resp: 22480

Ion Ratio Lower Upper

75 100

110 10.8 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.920 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY021977.D

Acq: 23 Apr 2025 17:24

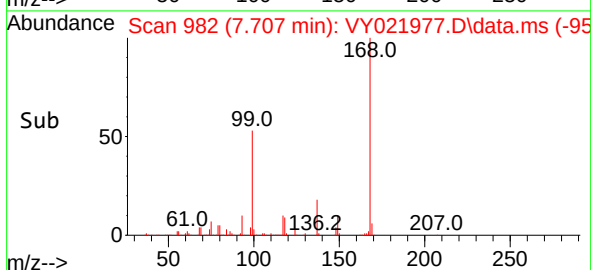
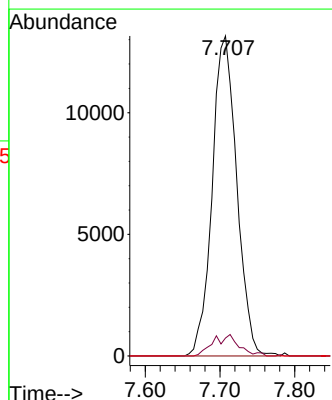
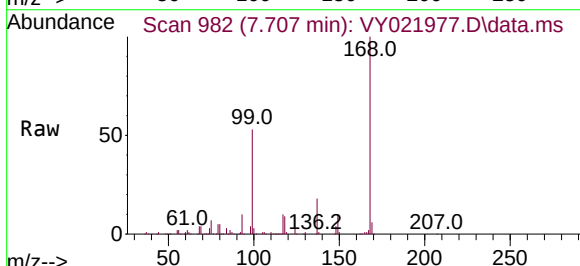
Tgt Ion: 117 Resp: 30074

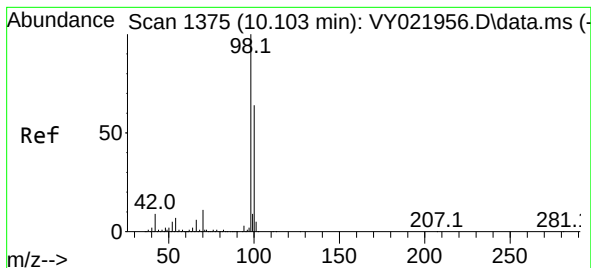
Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.4#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 48.438 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY021977.D

Acq: 23 Apr 2025 17:24

Instrument :

MSVOA_Y

ClientSampleId :

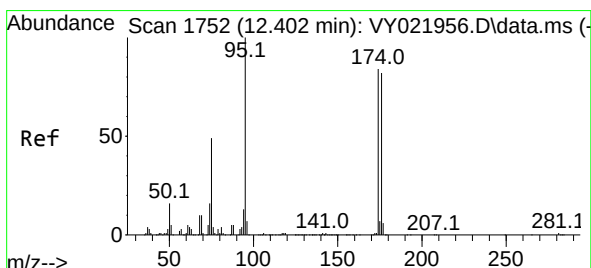
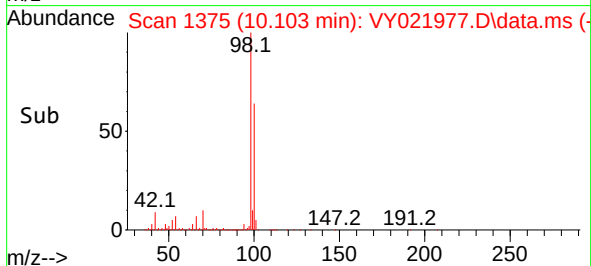
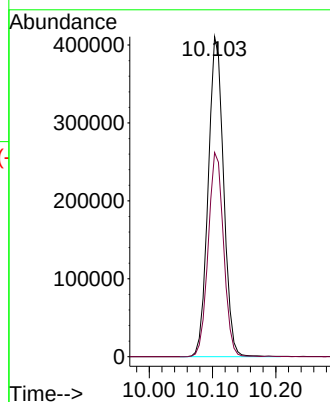
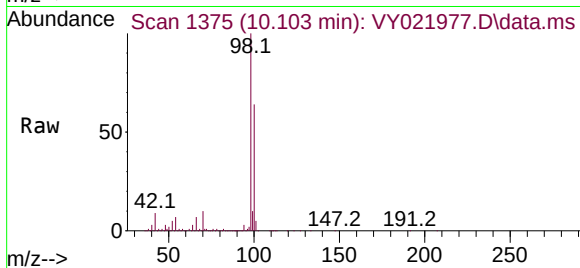
72-12013

Tgt Ion: 98 Resp: 695368

Ion Ratio Lower Upper

98 100

100 63.7 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 44.711 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY021977.D

Acq: 23 Apr 2025 17:24

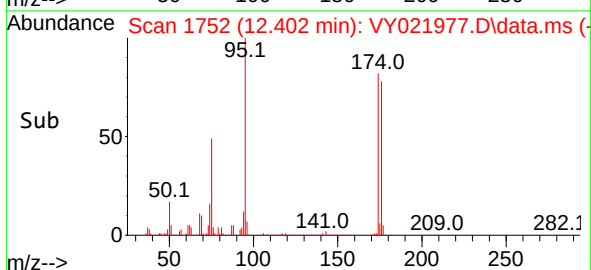
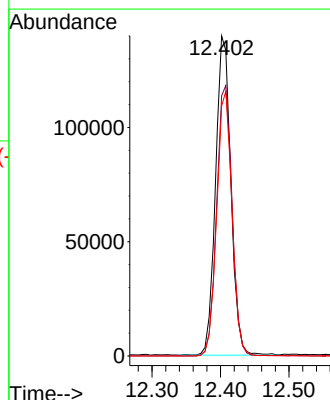
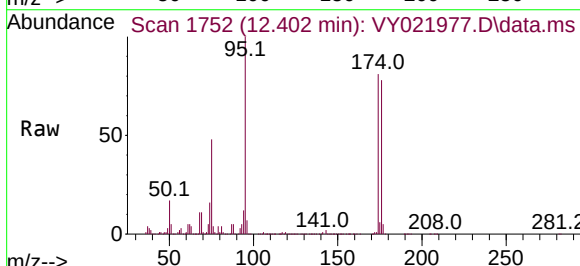
Tgt Ion: 95 Resp: 216079

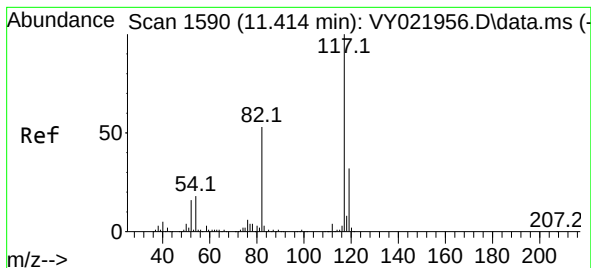
Ion Ratio Lower Upper

95 100

174 85.5 0.0 179.0

176 82.7 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021977.D

Acq: 23 Apr 2025 17:24

Instrument :

MSVOA_Y

ClientSampleId :

72-12013

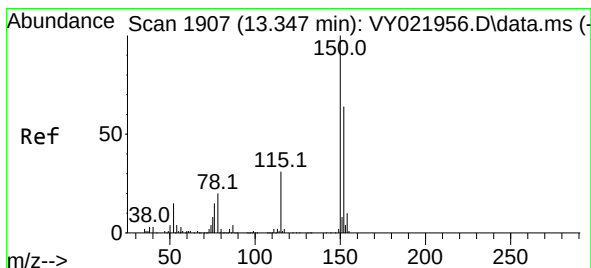
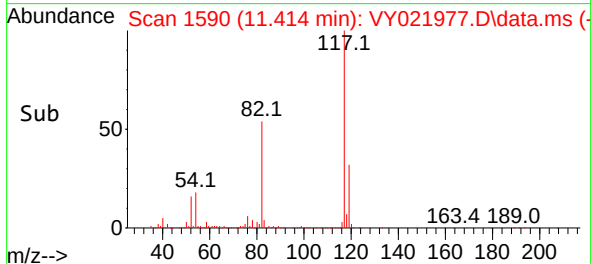
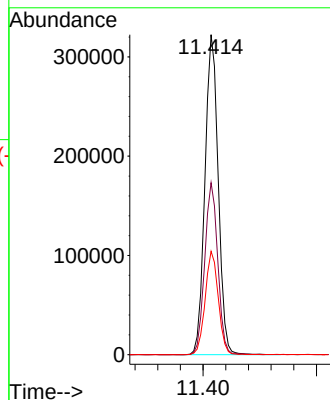
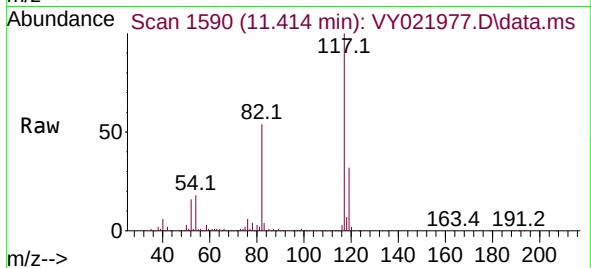
Tgt Ion:117 Resp: 524535

Ion Ratio Lower Upper

117 100

82 53.8 42.1 63.1

119 32.3 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021977.D

Acq: 23 Apr 2025 17:24

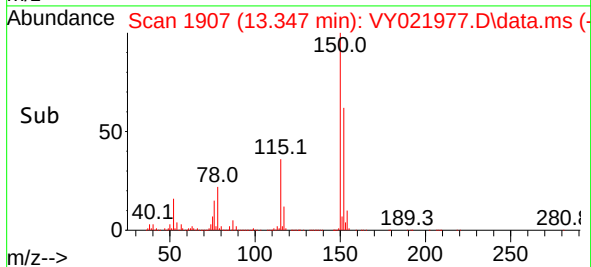
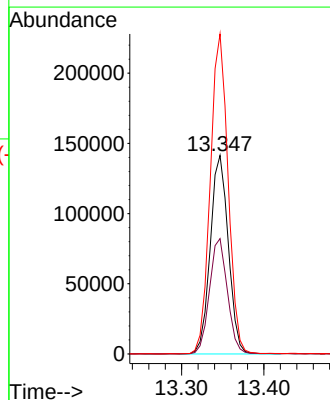
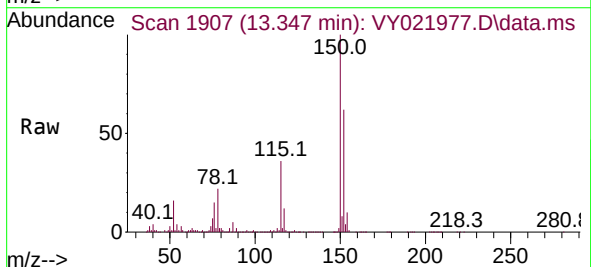
Tgt Ion:152 Resp: 216085

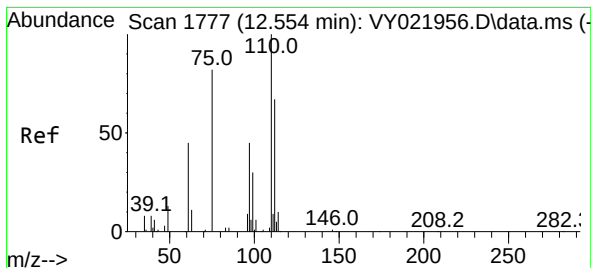
Ion Ratio Lower Upper

152 100

115 57.5 28.0 84.0

150 158.3 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 56.223 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY021977.D

Acq: 23 Apr 2025 17:24

Instrument :

MSVOA_Y

ClientSampleId :

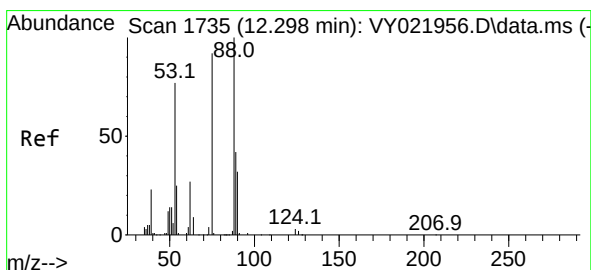
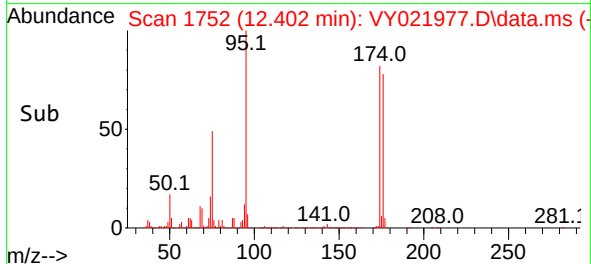
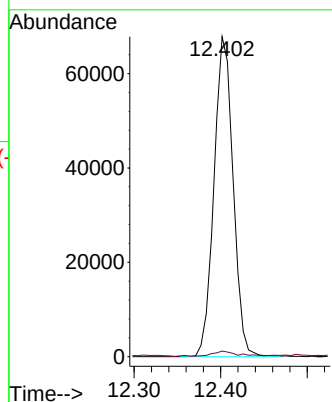
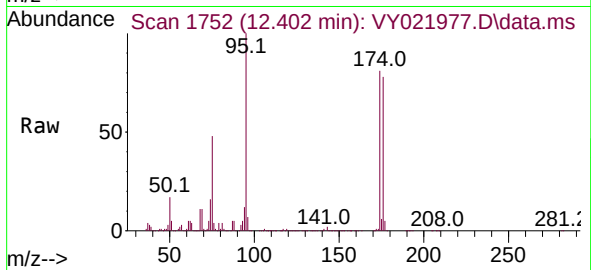
72-12013

Tgt Ion: 75 Resp: 104061

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.392 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.104 min

Lab File: VY021977.D

Acq: 23 Apr 2025 17:24

Tgt Ion: 75 Resp: 104061

Ion Ratio Lower Upper

75 100

53 0.3 66.0 99.0#

89 0.1 37.2 55.8#

