

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022920.D
 Acq On : 02 Jul 2025 18:17
 Operator : SY/MD
 Sample : Q2473-04
 Misc : 10.71g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PIT#4

Quant Time: Jul 03 02:26:35 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)

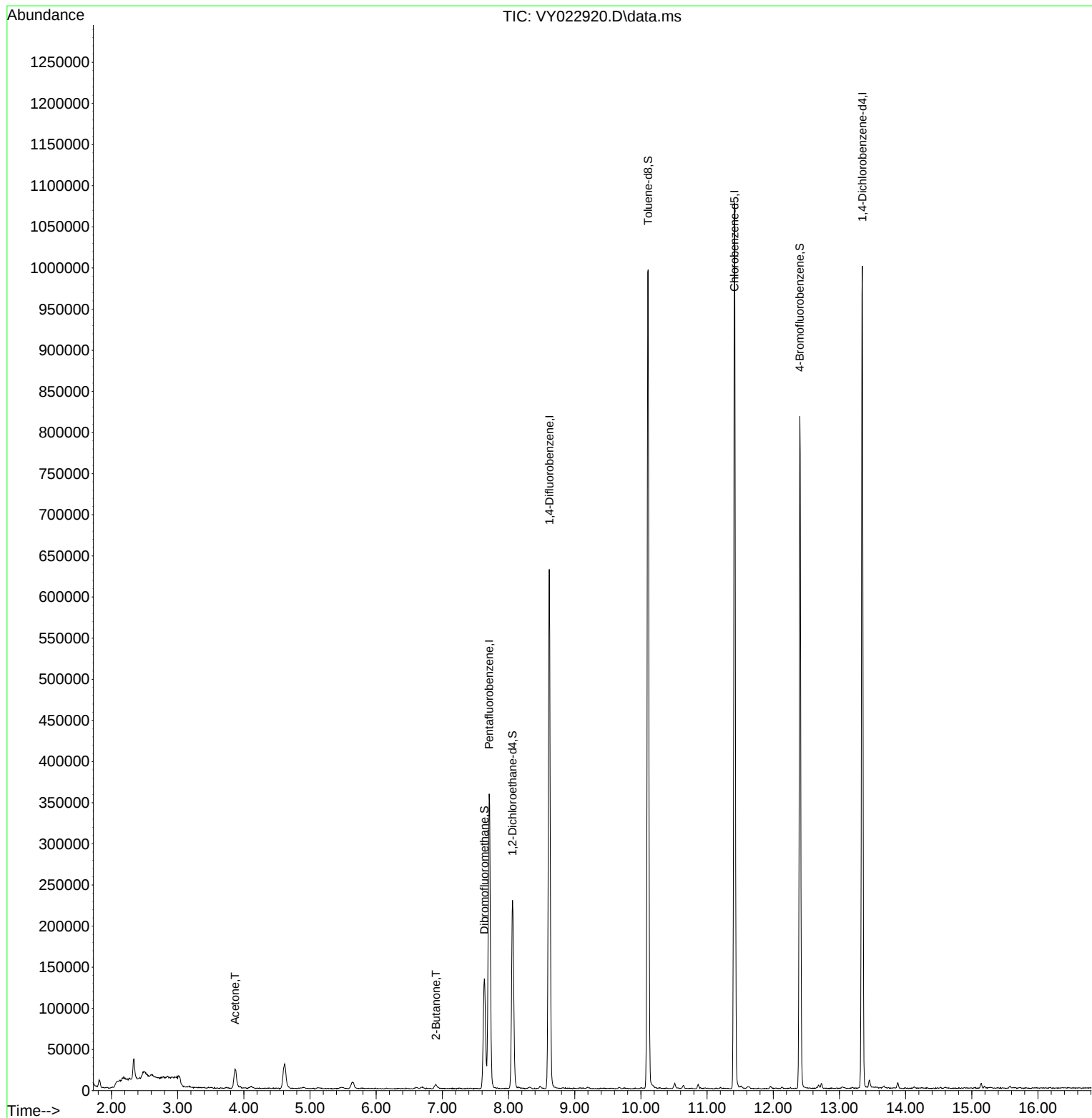
Internal Standards						
1) Pentafluorobenzene	7.707	168	269260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	521273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	540209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	244944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	180615	60.101	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.200%	
35) Dibromofluoromethane	7.634	113	96152	30.331	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 60.660%	
50) Toluene-d8	10.109	98	647893	51.504	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.000%	
62) 4-Bromofluorobenzene	12.401	95	240320	59.428	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 118.860%	
Target Compounds						Qvalue
16) Acetone	3.866	43	43866	77.228	ug/l	99
25) 2-Butanone	6.902	43	7198	8.707	ug/l	100

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

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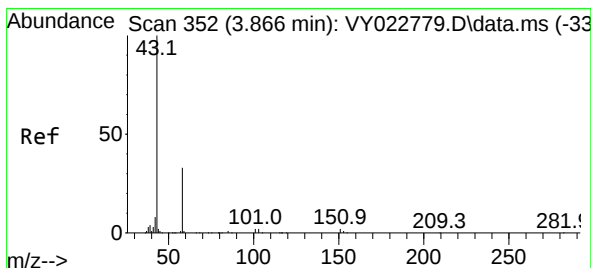
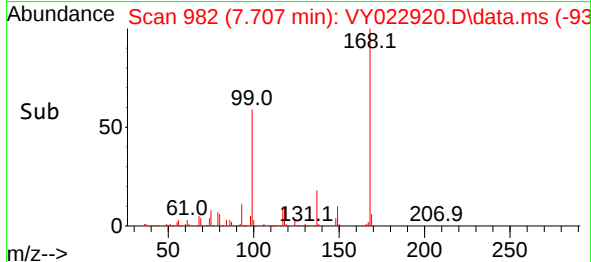
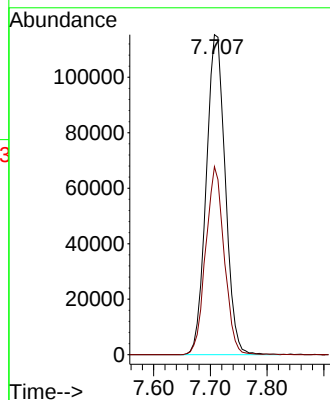
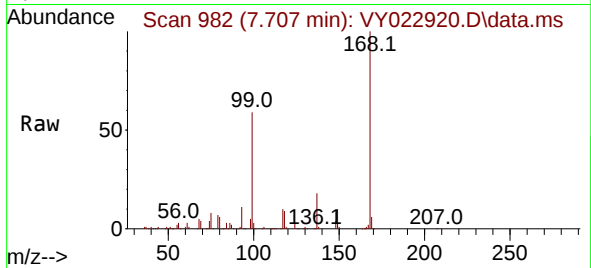




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

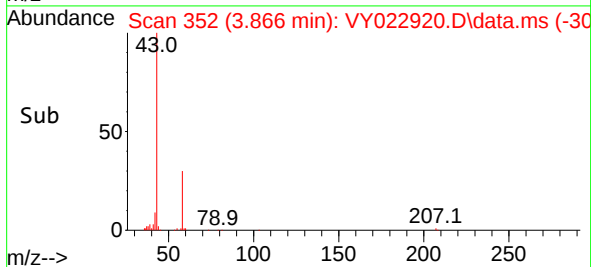
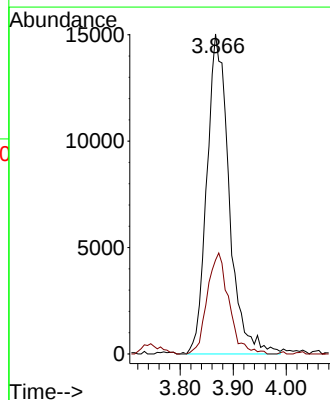
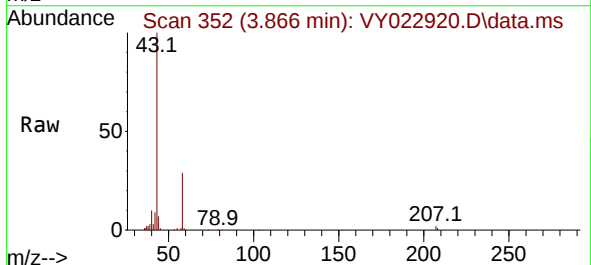
Instrument :
MSVOA_Y
ClientSampleId :
PIT#4

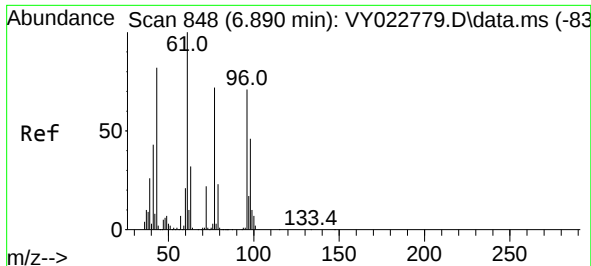
Tgt Ion:168 Resp: 269260
Ion Ratio Lower Upper
168 100
99 58.8 44.3 66.5



#16
Acetone
Concen: 77.228 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

Tgt Ion: 43 Resp: 43866
Ion Ratio Lower Upper
43 100
58 29.4 24.0 36.0

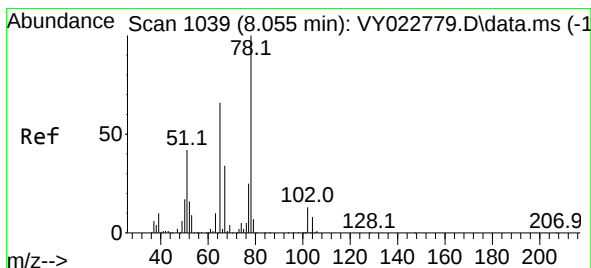
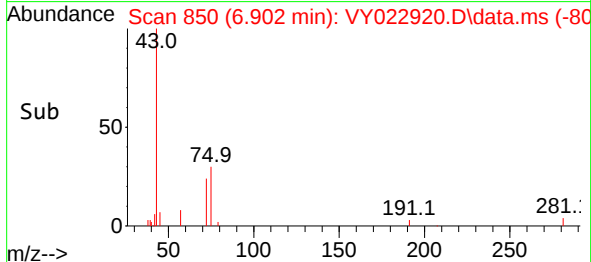
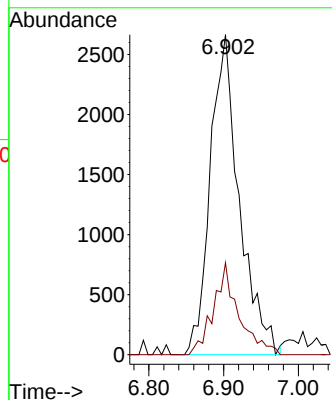
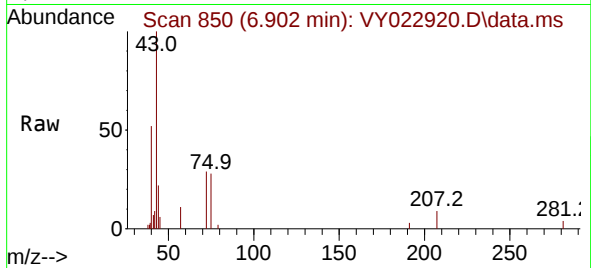




#25
2-Butanone
Concen: 8.707 ug/l
RT: 6.902 min Scan# 81
Delta R.T. -0.000 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

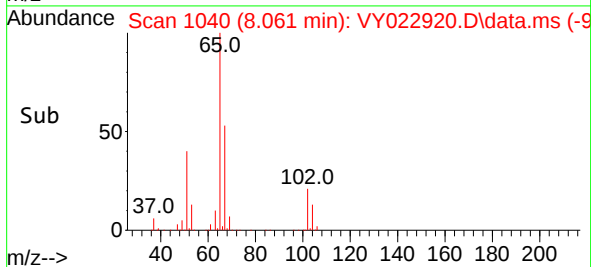
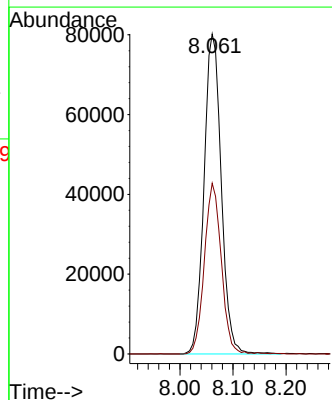
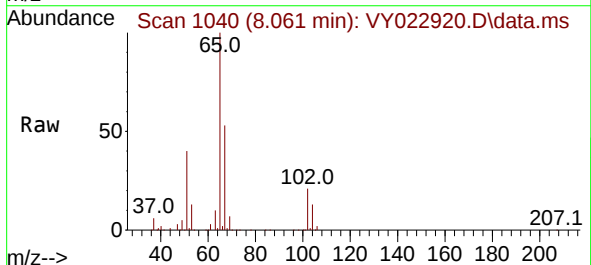
Instrument :
MSVOA_Y
ClientSampleId :
PIT#4

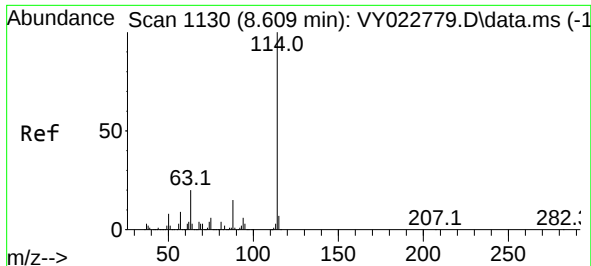
Tgt Ion: 43 Resp: 7198
Ion Ratio Lower Upper
43 100
72 28.7 22.9 34.3



#33
1,2-Dichloroethane-d4
Concen: 60.101 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

Tgt Ion: 65 Resp: 180615
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4

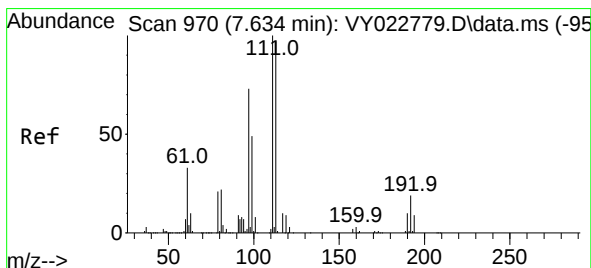
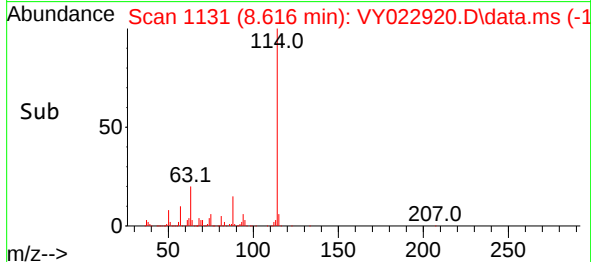
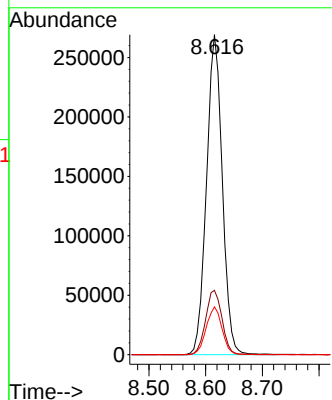
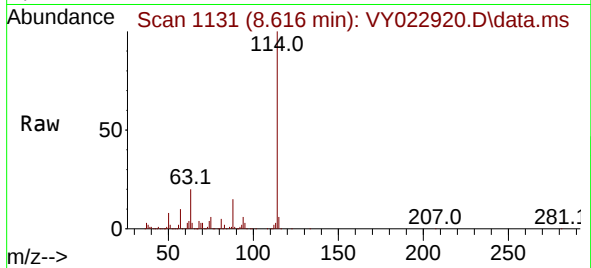




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

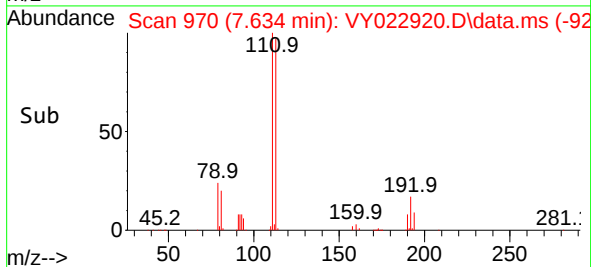
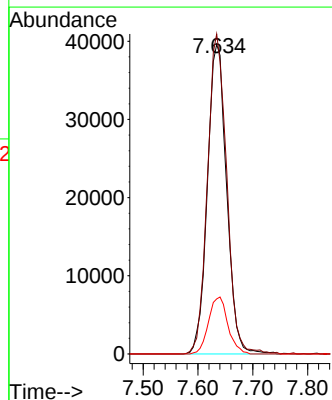
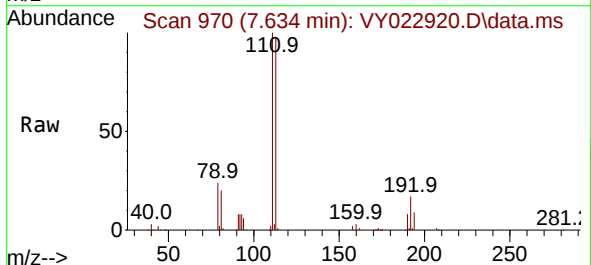
Instrument :
MSVOA_Y
ClientSampleId :
PIT#4

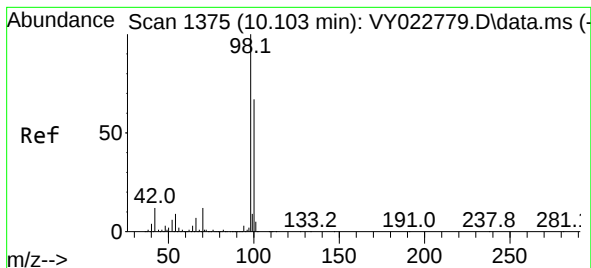
Tgt Ion:114 Resp: 521273
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 14.9 0.0 27.8



#35
Dibromofluoromethane
Concen: 30.331 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

Tgt Ion:113 Resp: 96152
Ion Ratio Lower Upper
113 100
111 103.5 81.1 121.7
192 18.6 14.2 21.2





#50

Toluene-d8

Concen: 51.504 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022920.D

Acq: 02 Jul 2025 18:17

Instrument :

MSVOA_Y

ClientSampleId :

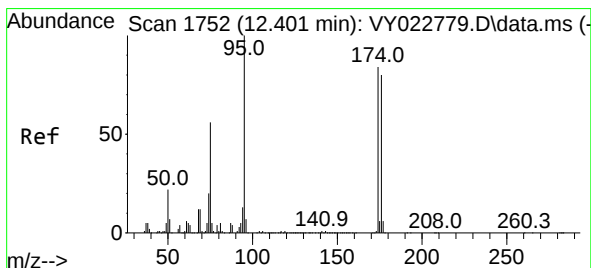
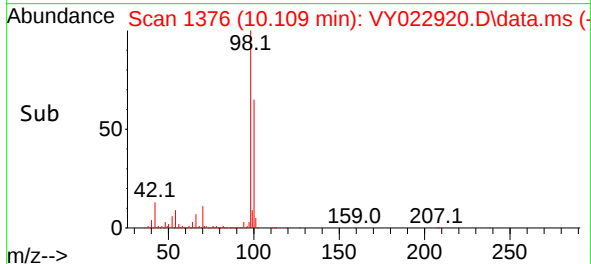
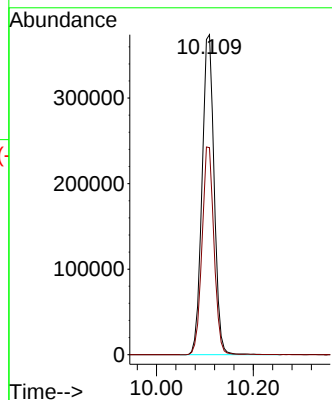
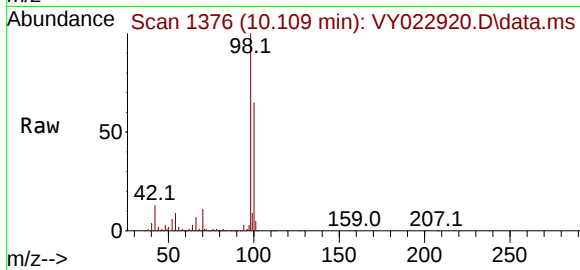
PIT#4

Tgt Ion: 98 Resp: 647893

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 59.428 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022920.D

Acq: 02 Jul 2025 18:17

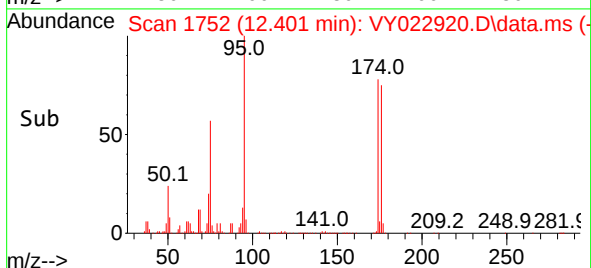
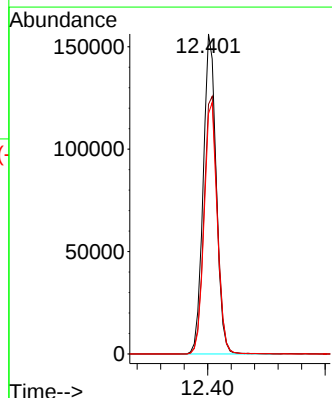
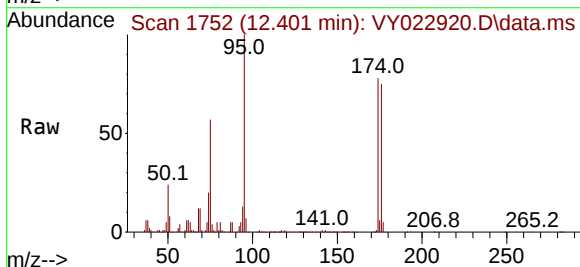
Tgt Ion: 95 Resp: 240320

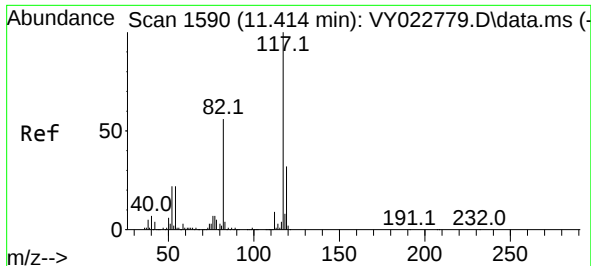
Ion Ratio Lower Upper

95 100

174 83.4 0.0 170.0

176 79.4 0.0 166.2

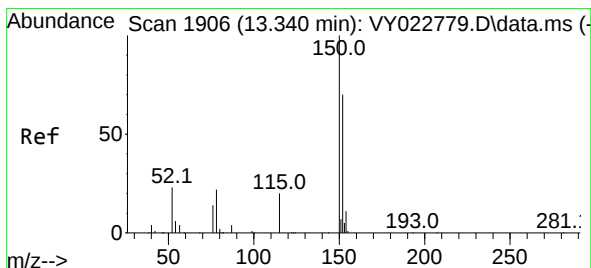
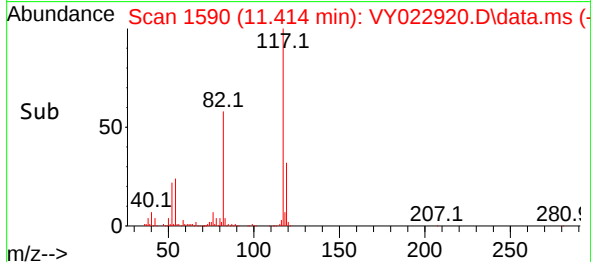
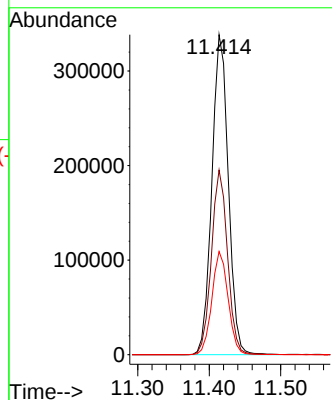
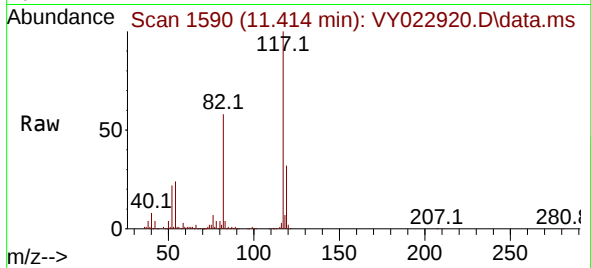




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

Instrument :
MSVOA_Y
ClientSampleId :
PIT#4

Tgt Ion:117 Resp: 540209
Ion Ratio Lower Upper
117 100
82 57.7 44.6 66.8
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022920.D
Acq: 02 Jul 2025 18:17

Tgt Ion:152 Resp: 244944
Ion Ratio Lower Upper
152 100
115 57.3 28.9 86.7
150 154.1 0.0 349.6

