

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022753.D
 Acq On : 19 Jun 2025 14:11
 Operator : SY/MD
 Sample : Q2364-04
 Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GAV2B

Quant Time: Jun 20 02:59:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

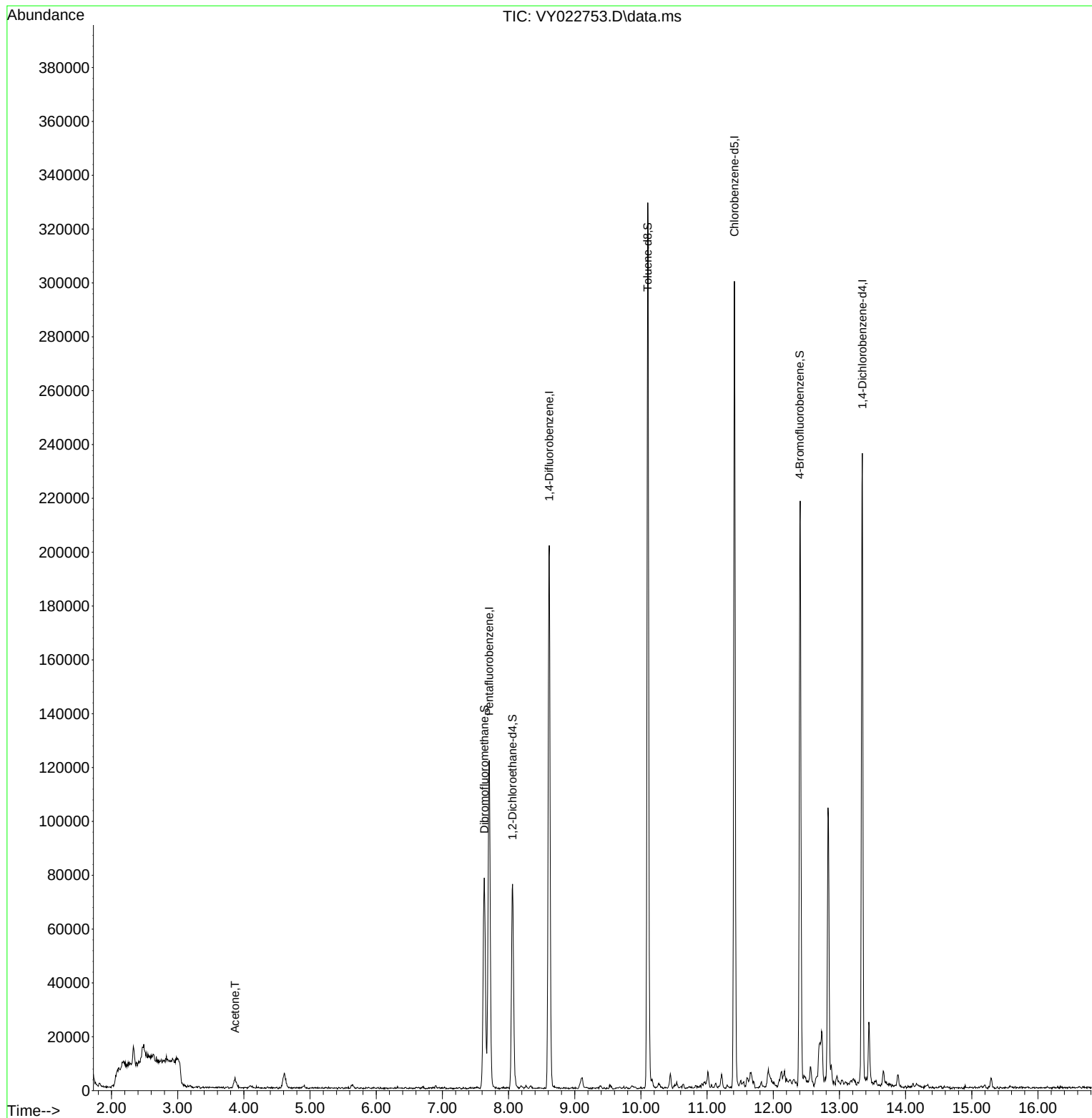
Internal Standards						
1) Pentafluorobenzene	7.707	168	88870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	166685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	143096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	54203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	57181	57.528	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.060%
35) Dibromofluoromethane	7.634	113	53231	53.503	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.000%
50) Toluene-d8	10.103	98	202963	50.487	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.980%
62) 4-Bromofluorobenzene	12.401	95	54005	45.088	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.180%
Target Compounds						
16) Acetone	3.866	43	5802	28.743	ug/l	Qvalue # 61

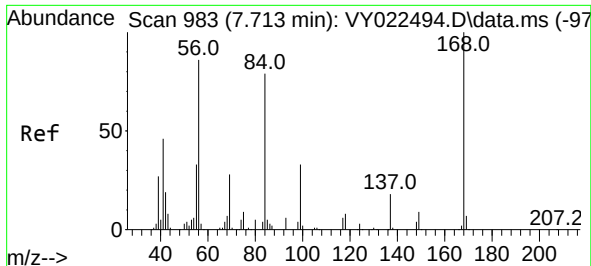
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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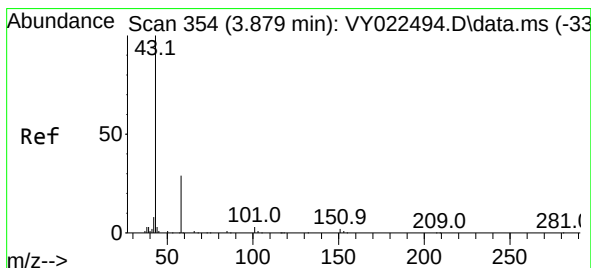
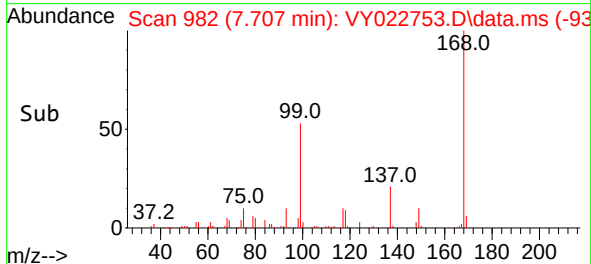
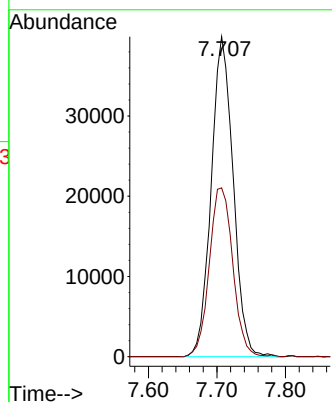
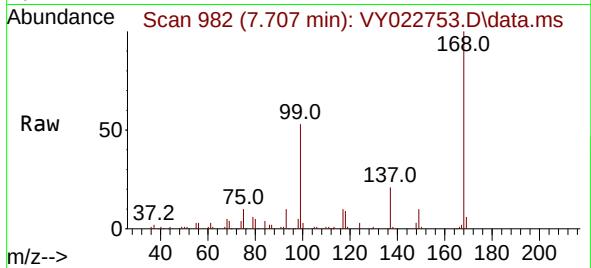




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

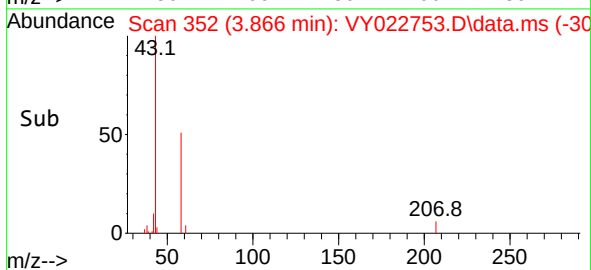
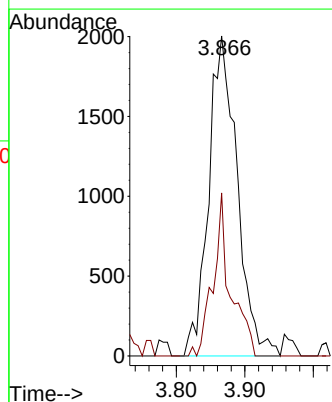
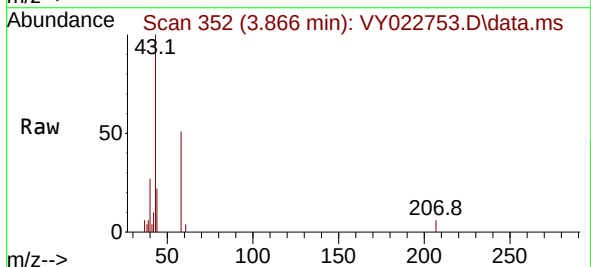
Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

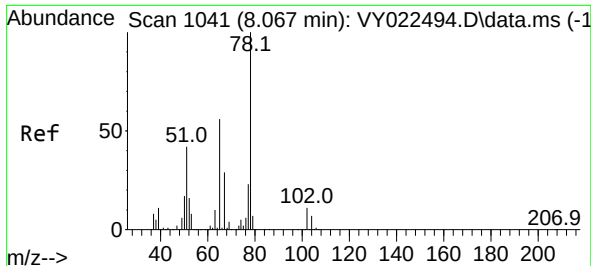
Tgt Ion:168 Resp: 88870
Ion Ratio Lower Upper
168 100
99 52.8 44.3 66.5



#16
Acetone
Concen: 28.743 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Tgt Ion: 43 Resp: 5802
Ion Ratio Lower Upper
43 100
58 50.9 24.0 36.0#





#33

1,2-Dichloroethane-d4

Concen: 57.528 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.007 min

Lab File: VY022753.D

Acq: 19 Jun 2025 14:11

Instrument :

MSVOA_Y

ClientSampleId :

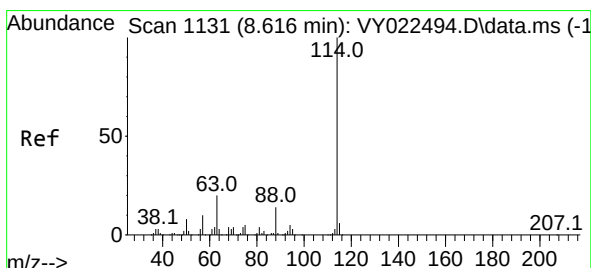
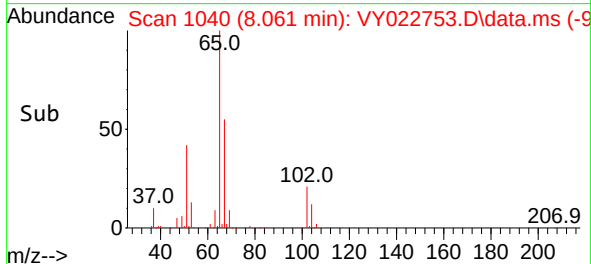
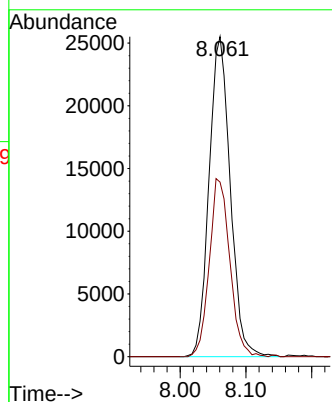
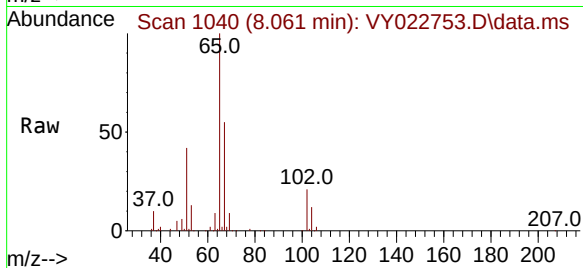
GAV2B

Tgt Ion: 65 Resp: 57181

Ion Ratio Lower Upper

65 100

67 53.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022753.D

Acq: 19 Jun 2025 14:11

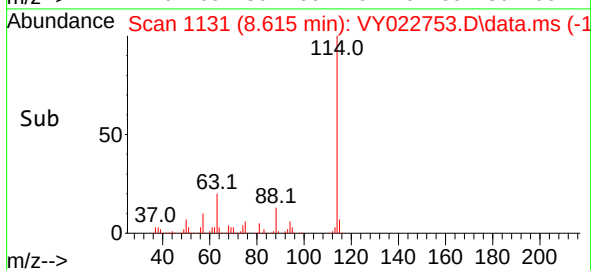
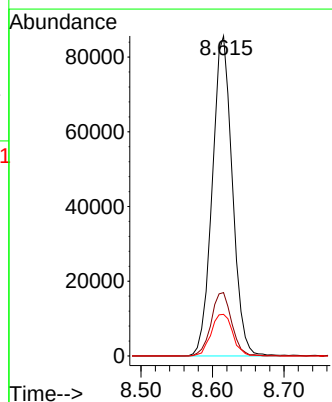
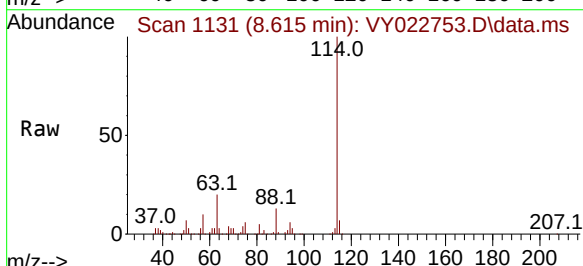
Tgt Ion: 114 Resp: 166685

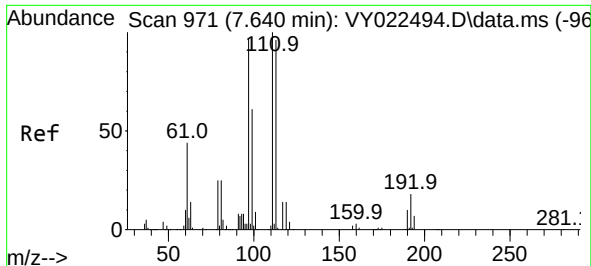
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 13.0 0.0 27.8





#35

Dibromofluoromethane

Concen: 53.503 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022753.D

Acq: 19 Jun 2025 14:11

Instrument :

MSVOA_Y

ClientSampleId :

GAV2B

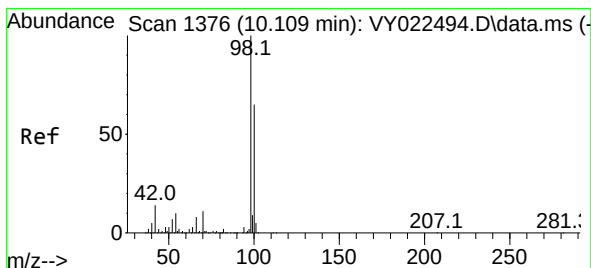
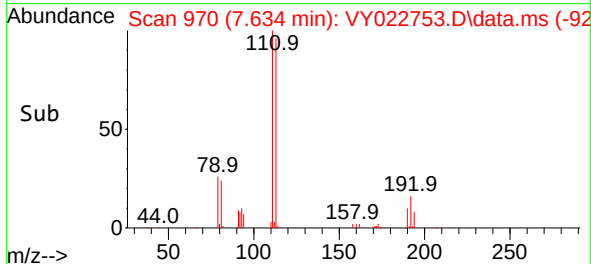
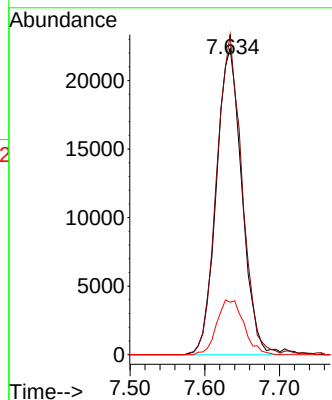
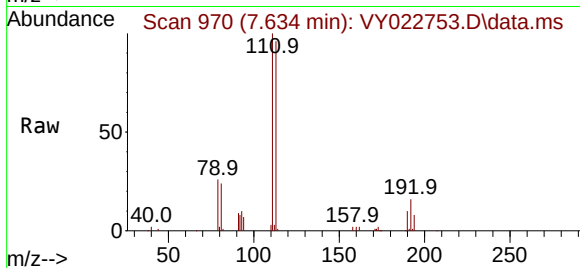
Tgt Ion:113 Resp: 53231

Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

192 18.9 14.2 21.2



#50

Toluene-d8

Concen: 50.487 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.007 min

Lab File: VY022753.D

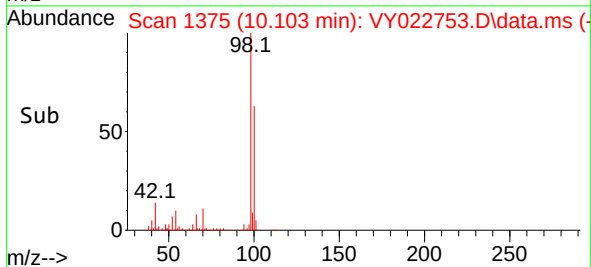
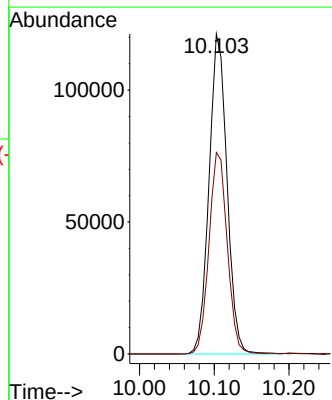
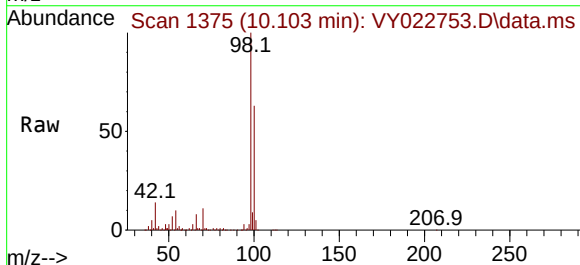
Acq: 19 Jun 2025 14:11

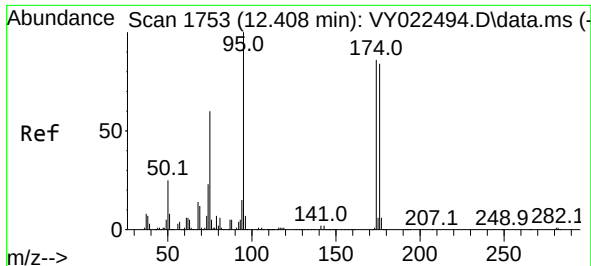
Tgt Ion: 98 Resp: 202963

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0

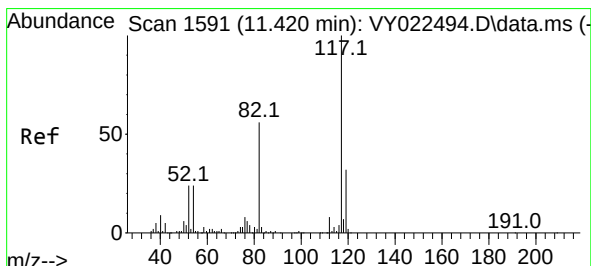
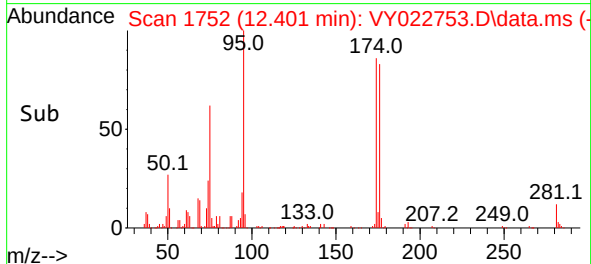
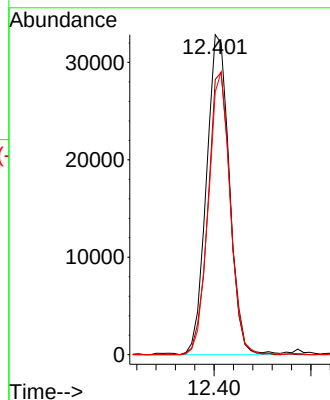
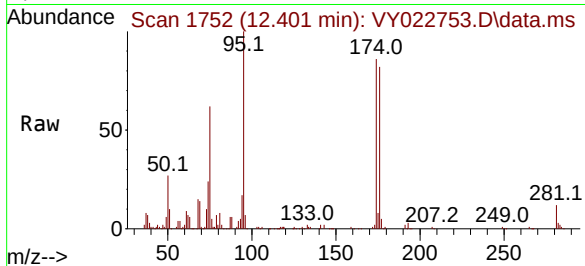




#62
4-Bromofluorobenzene
Concen: 45.088 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

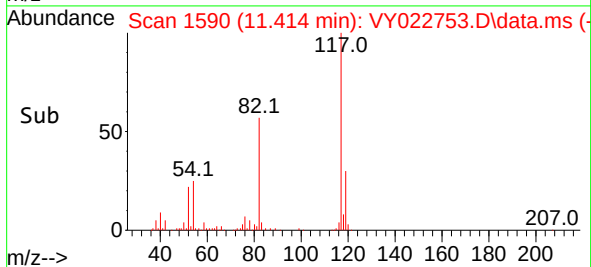
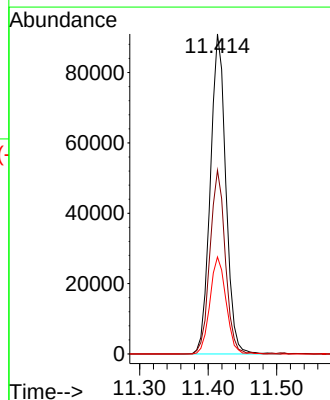
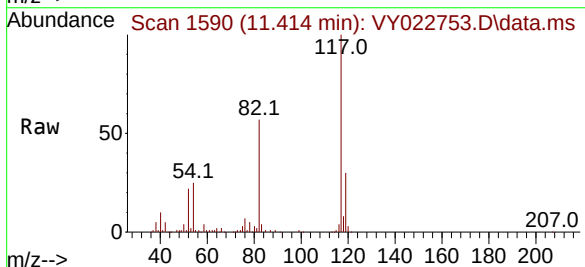
Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

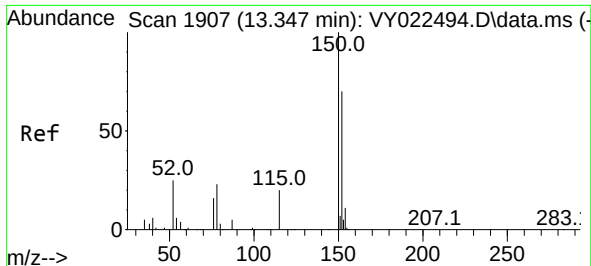
Tgt Ion: 95 Resp: 54005
Ion Ratio Lower Upper
95 100
174 85.9 0.0 170.0
176 83.5 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.007 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Tgt Ion: 117 Resp: 143096
Ion Ratio Lower Upper
117 100
82 57.4 44.6 66.8
119 30.3 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: VY022753.D

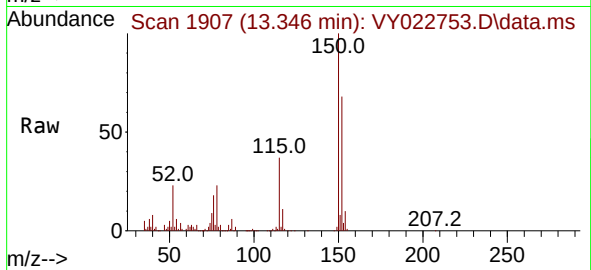
Acq: 19 Jun 2025 14:11

Instrument :

MSVOA_Y

ClientSampleId :

GAV2B



Tgt Ion:152 Resp: 54203

Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.7

150 156.9 0.0 349.6

