

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061325\
 Data File : VY022690.D
 Acq On : 13 Jun 2025 12:18
 Operator : SY/MD
 Sample : Q2298-02
 Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-05-061125

Quant Time: Jun 14 02:03:53 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)

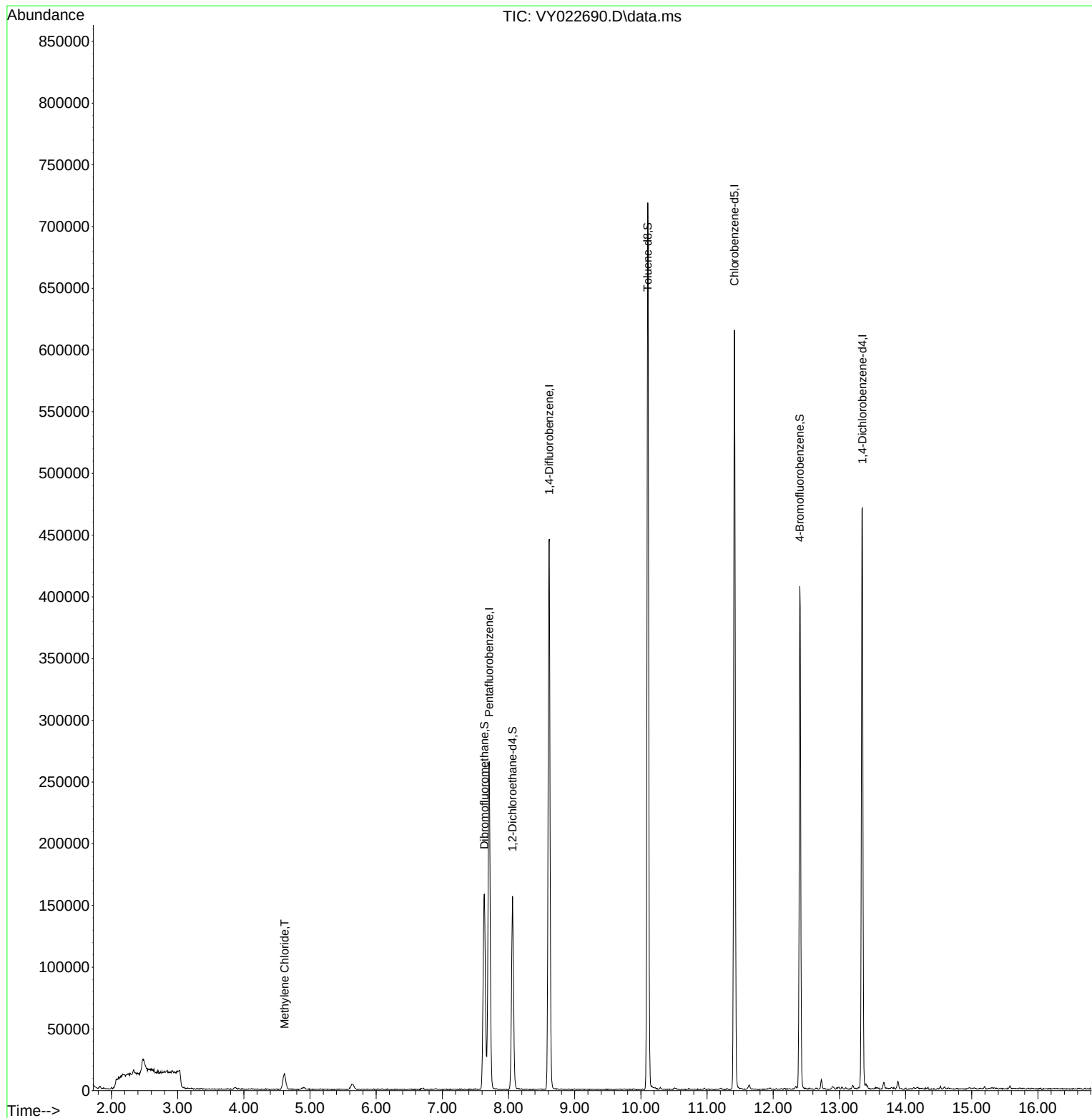
Internal Standards						
1) Pentafluorobenzene	7.707	168	194561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	367434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	305494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	109898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109976	50.539	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.080%
35) Dibromofluoromethane	7.634	113	109815	50.072	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.140%
50) Toluene-d8	10.103	98	448710	50.635	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.260%
62) 4-Bromofluorobenzene	12.401	95	111501	42.230	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.460%
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	9199	3.665	ug/l	# 88

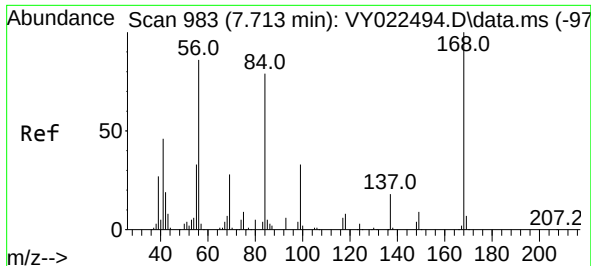
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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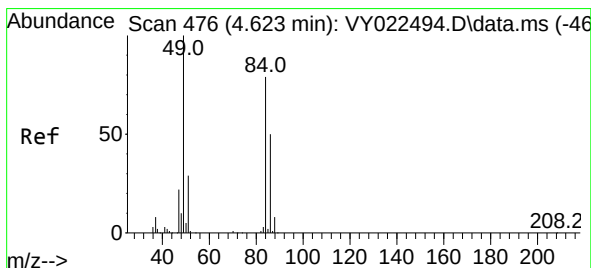
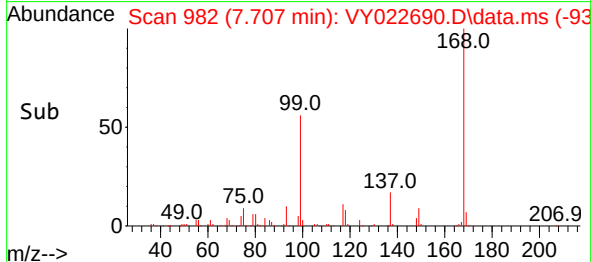
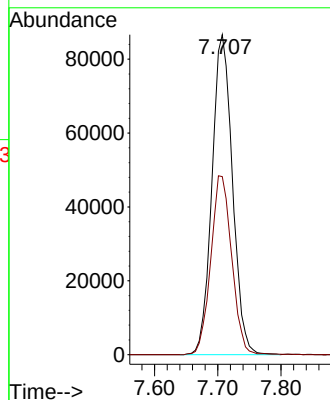
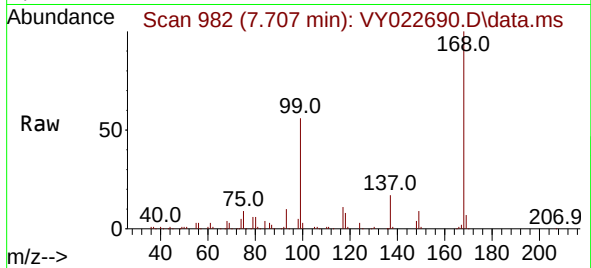




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022690.D
Acq: 13 Jun 2025 12:18

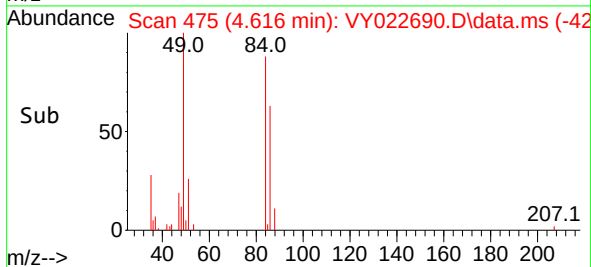
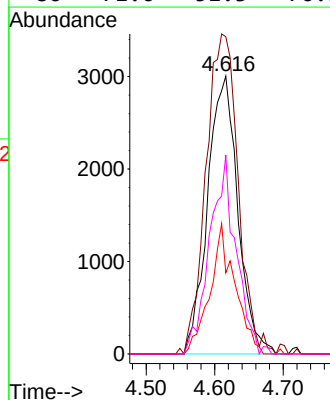
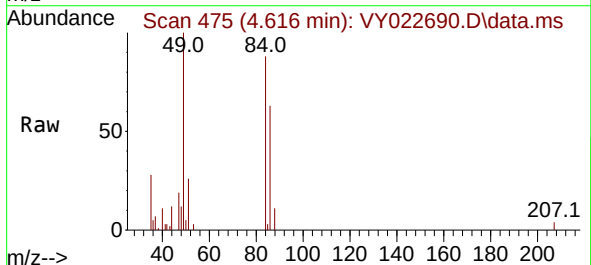
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-061125

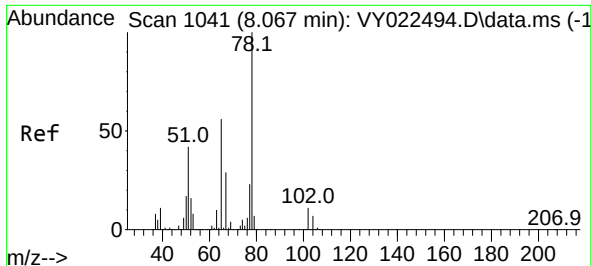
Tgt Ion:168 Resp: 194561
Ion Ratio Lower Upper
168 100
99 55.7 44.3 66.5



#20
Methylene Chloride
Concen: 3.665 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022690.D
Acq: 13 Jun 2025 12:18

Tgt Ion: 84 Resp: 9199
Ion Ratio Lower Upper
84 100
49 112.2 101.9 152.9
51 29.2 29.8 44.8#
86 71.6 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 50.539 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VY022690.D

Acq: 13 Jun 2025 12:18

Instrument :

MSVOA_Y

ClientSampleId :

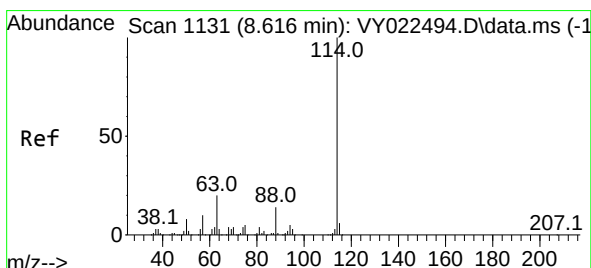
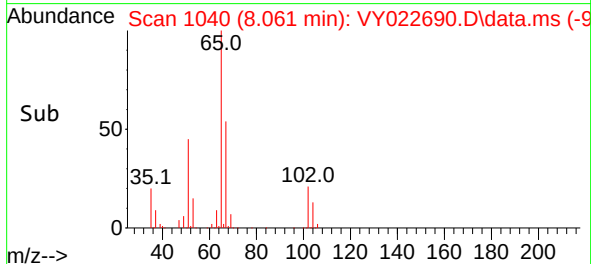
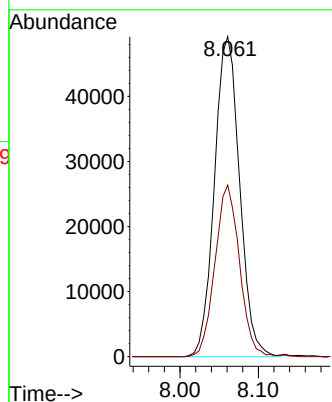
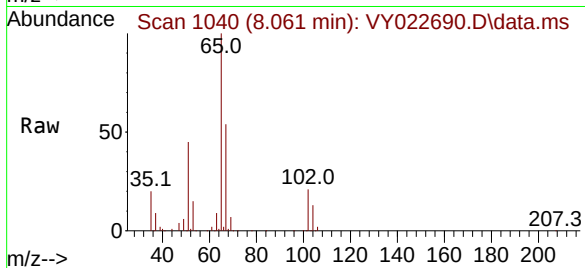
AU-05-061125

Tgt Ion: 65 Resp: 109976

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: VY022690.D

Acq: 13 Jun 2025 12:18

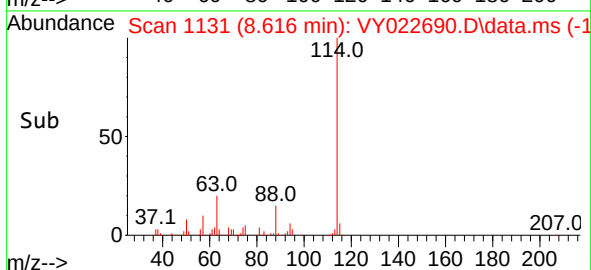
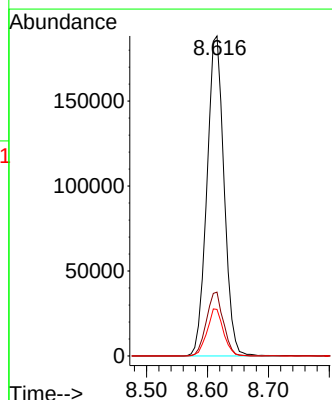
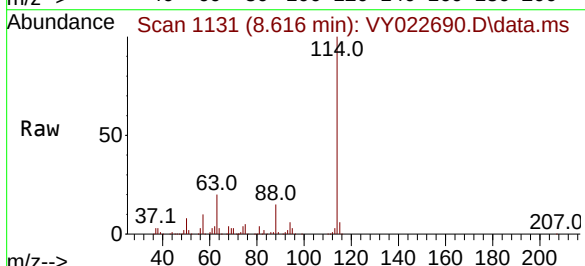
Tgt Ion: 114 Resp: 367434

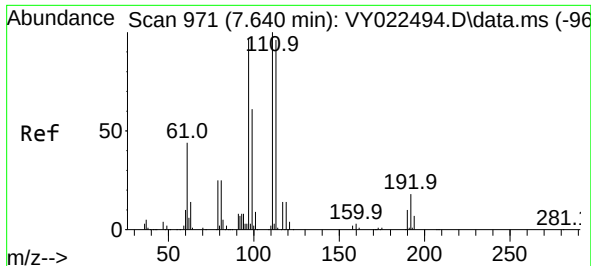
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 14.5 0.0 27.8

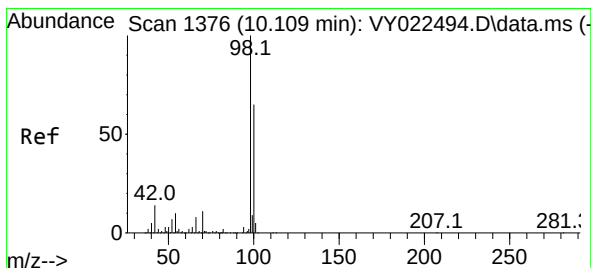
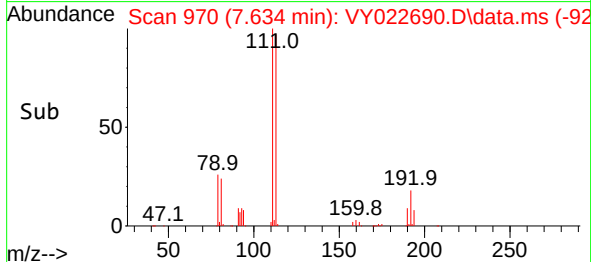
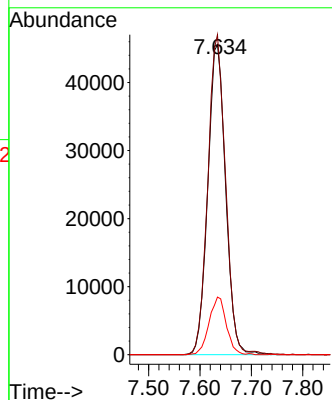
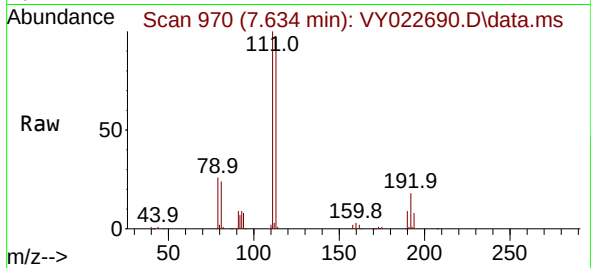




#35
Dibromofluoromethane
Concen: 50.072 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022690.D
Acq: 13 Jun 2025 12:18

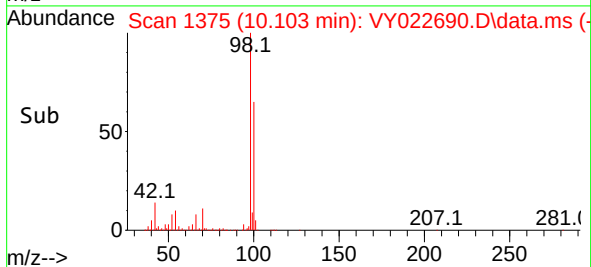
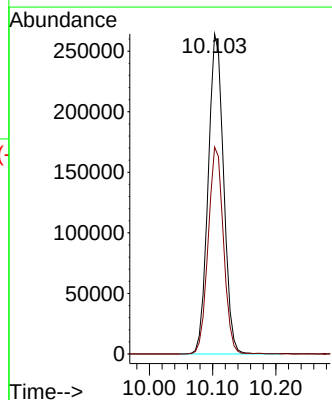
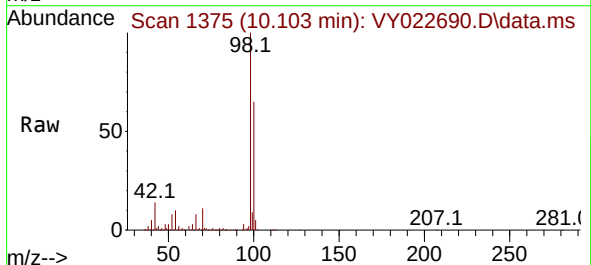
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-061125

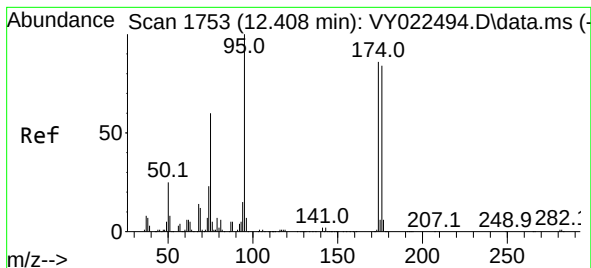
Tgt Ion:113 Resp: 109815
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 17.9 14.2 21.2



#50
Toluene-d8
Concen: 50.635 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022690.D
Acq: 13 Jun 2025 12:18

Tgt Ion: 98 Resp: 448710
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 42.230 ug/l

RT: 12.401 min Scan# 111501

Delta R.T. -0.006 min

Lab File: VY022690.D

Acq: 13 Jun 2025 12:18

Instrument :

MSVOA_Y

ClientSampleId :

AU-05-061125

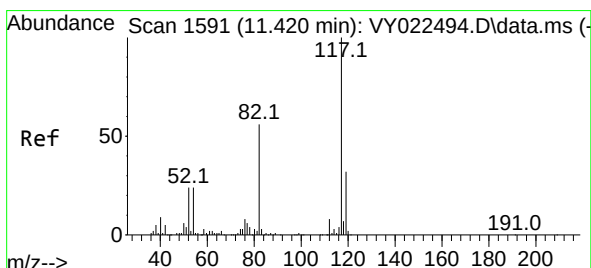
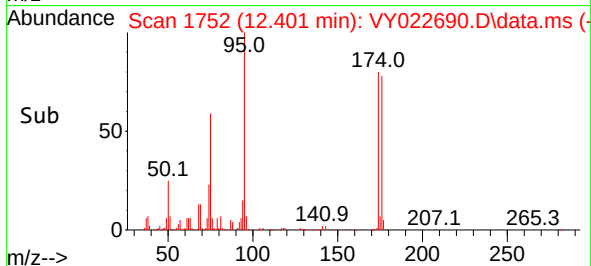
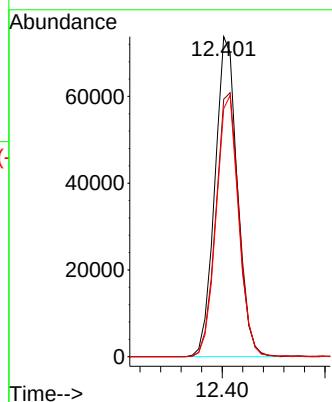
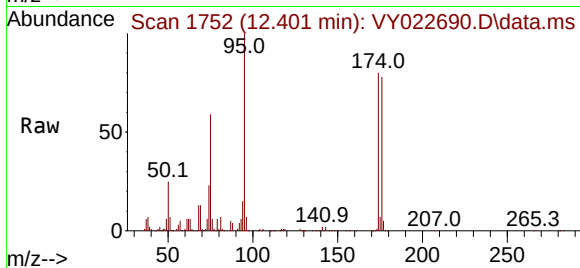
Tgt Ion: 95 Resp: 111501

Ion Ratio Lower Upper

95 100

174 85.5 0.0 170.0

176 81.5 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: VY022690.D

Acq: 13 Jun 2025 12:18

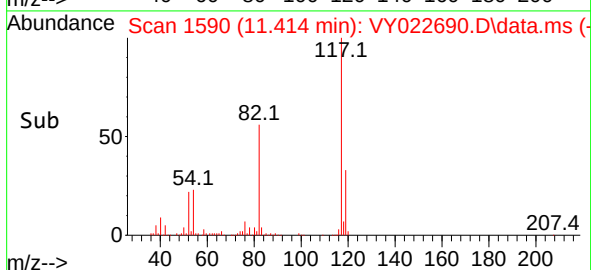
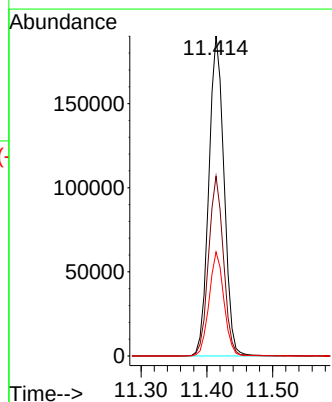
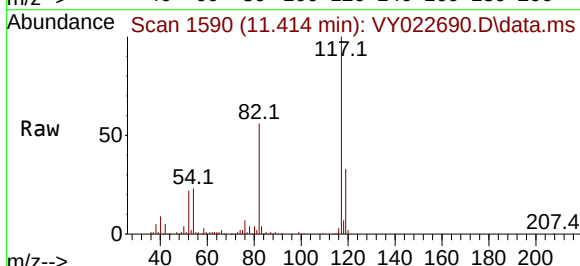
Tgt Ion: 117 Resp: 305494

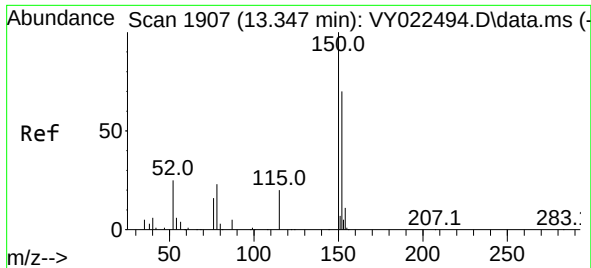
Ion Ratio Lower Upper

117 100

82 56.1 44.6 66.8

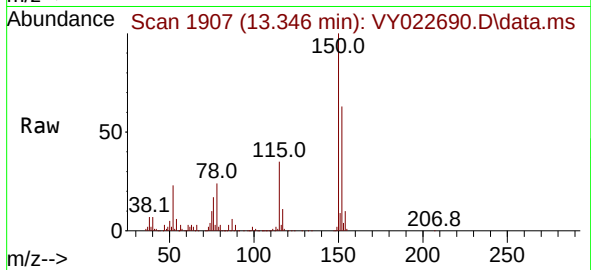
119 32.5 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022690.D
 Acq: 13 Jun 2025 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-05-061125



Tgt Ion:	152	Resp:	109898
Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.9	86.7
150	159.0	0.0	349.6

