

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021436.D
 Acq On : 06 Mar 2025 15:49
 Operator : SY/MD
 Sample : Q1488-03
 Misc : 8.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-101-SB02

Quant Time: Mar 07 00:40:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

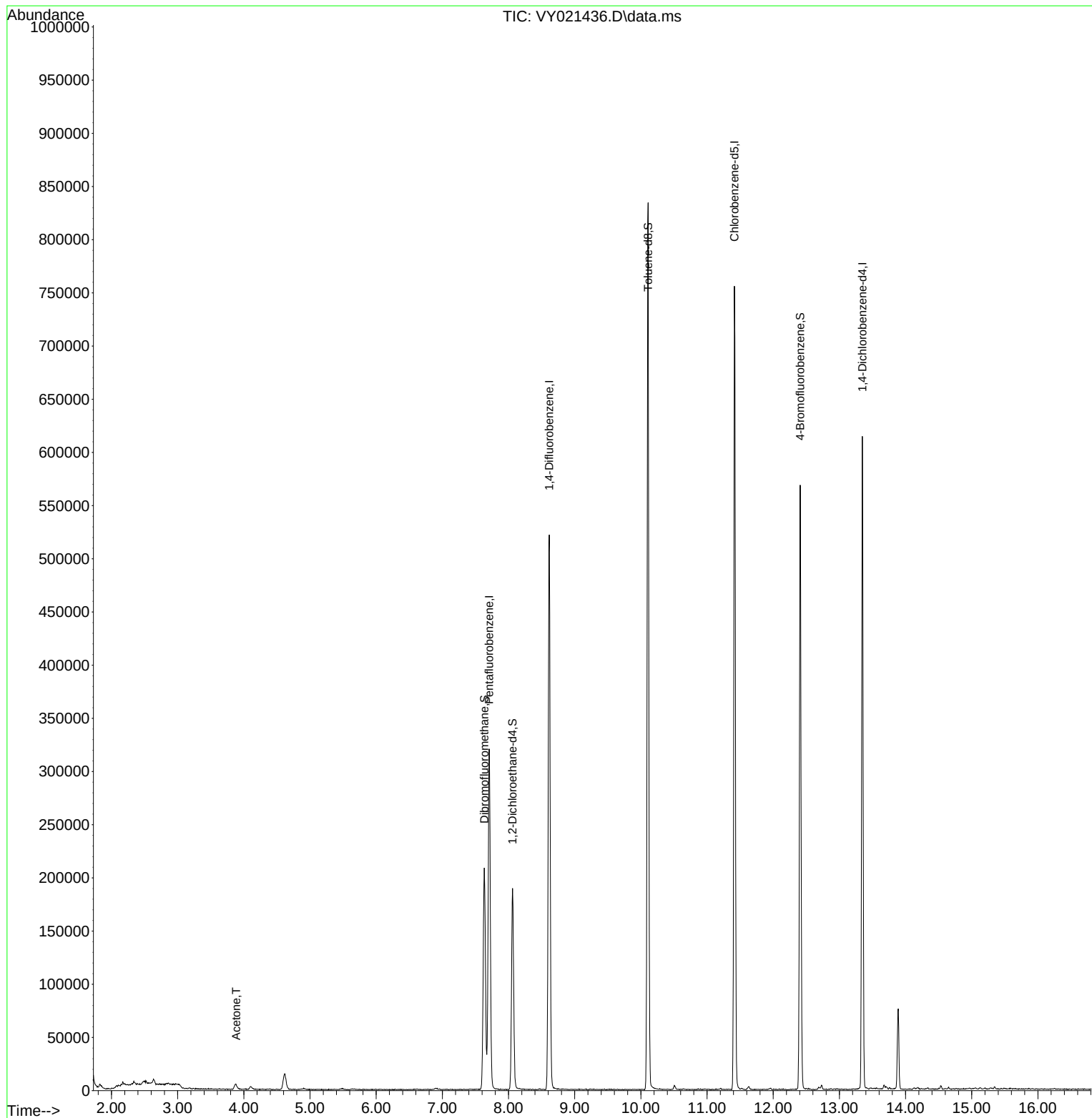
Internal Standards						
1) Pentafluorobenzene	7.707	168	234226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	429130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	377679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	143740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150343	60.729	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.460%	
35) Dibromofluoromethane	7.634	113	145960	51.745	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.500%	
50) Toluene-d8	10.109	98	520619	48.746	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.500%	
62) 4-Bromofluorobenzene	12.408	95	155393	42.773	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.540%	
Target Compounds						Qvalue
16) Acetone	3.885	43	8980	16.631	ug/l	99

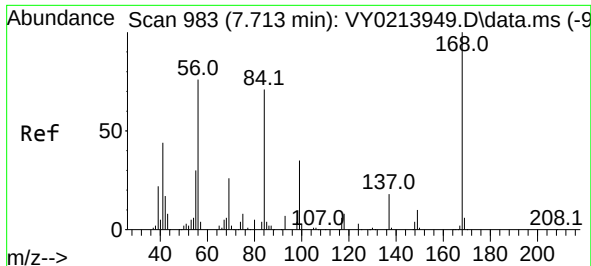
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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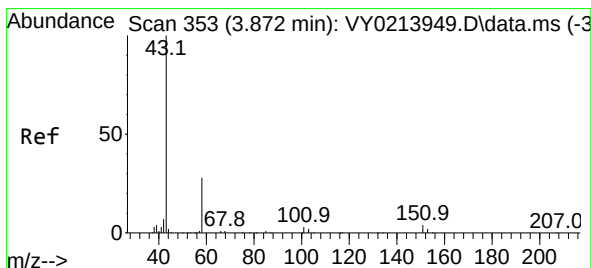
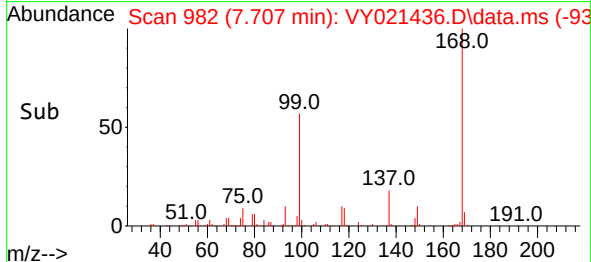
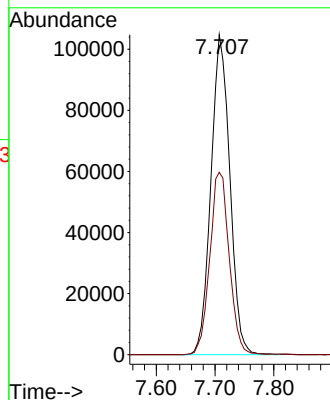
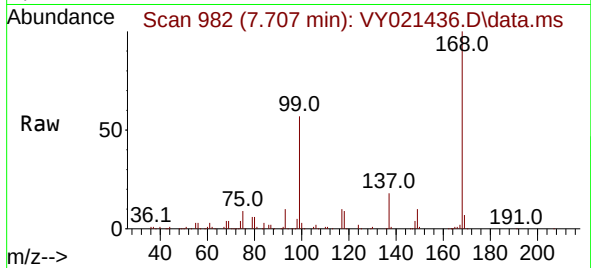




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021436.D
Acq: 06 Mar 2025 15:49

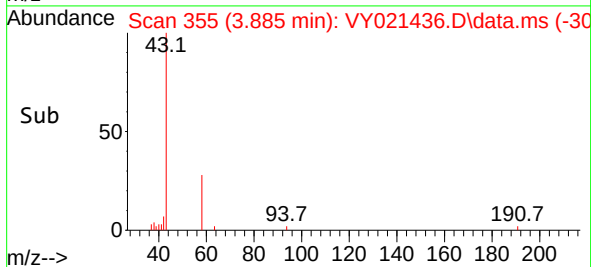
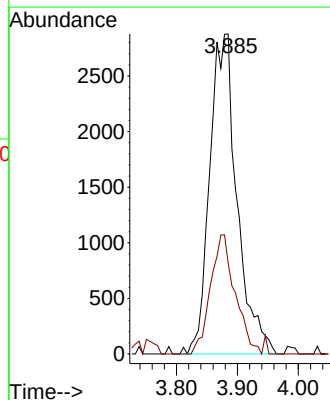
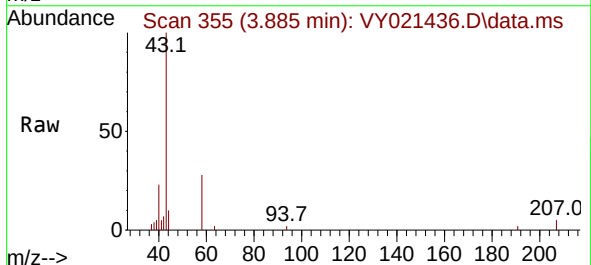
Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

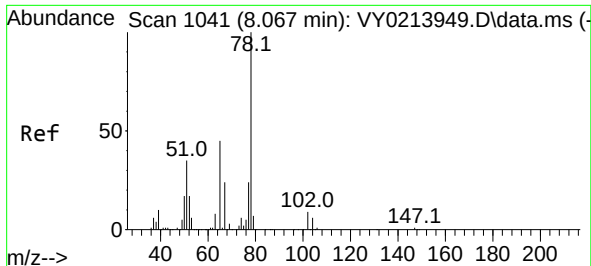
Tgt Ion:168 Resp: 234226
Ion Ratio Lower Upper
168 100
99 57.0 46.0 69.0



#16
Acetone
Concen: 16.631 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.013 min
Lab File: VY021436.D
Acq: 06 Mar 2025 15:49

Tgt Ion: 43 Resp: 8980
Ion Ratio Lower Upper
43 100
58 28.4 22.1 33.1





#33

1,2-Dichloroethane-d4

Concen: 60.729 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021436.D

Acq: 06 Mar 2025 15:49

Instrument :

MSVOA_Y

ClientSampleId :

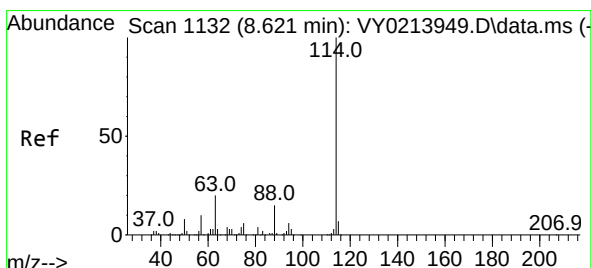
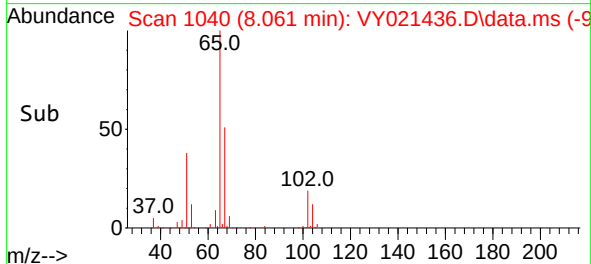
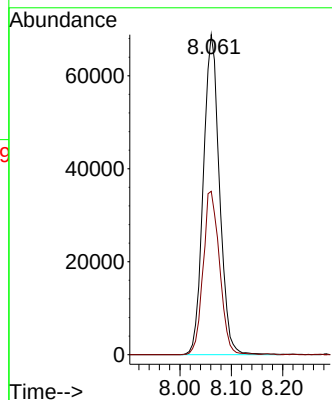
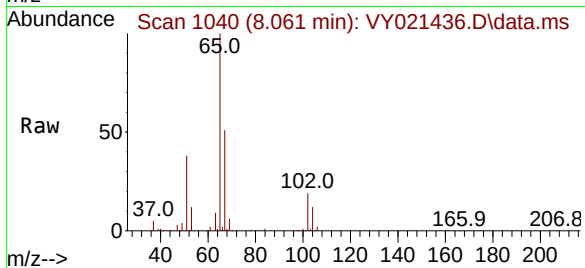
ENV-101-SB02

Tgt Ion: 65 Resp: 150343

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021436.D

Acq: 06 Mar 2025 15:49

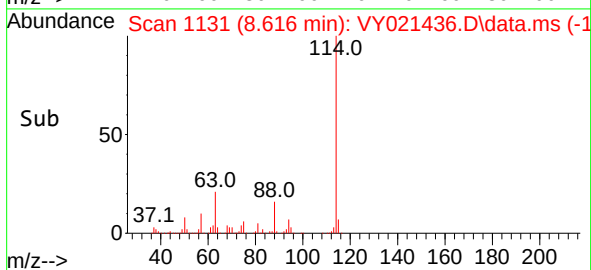
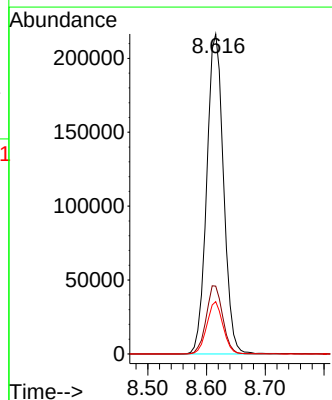
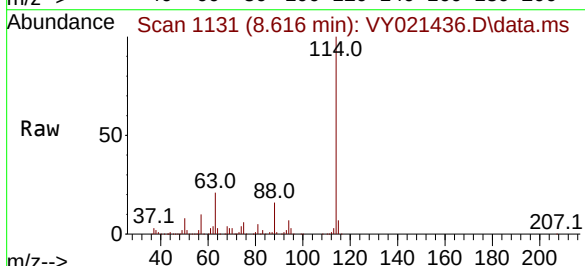
Tgt Ion: 114 Resp: 429130

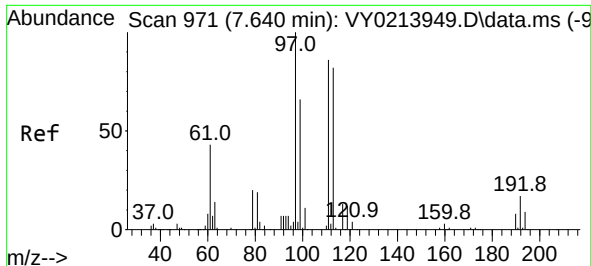
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 16.4 0.0 30.8

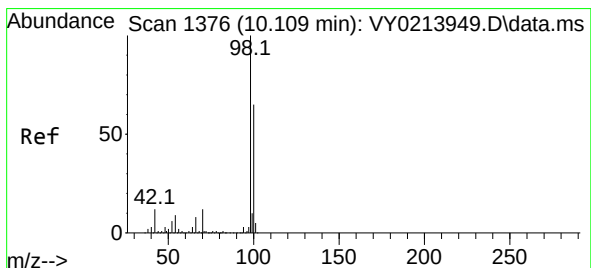
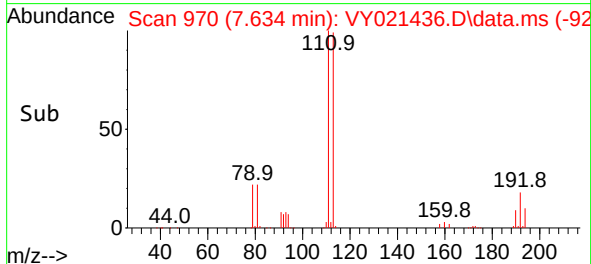
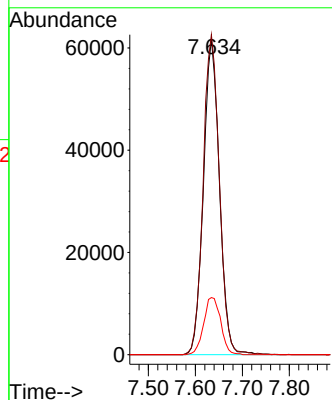
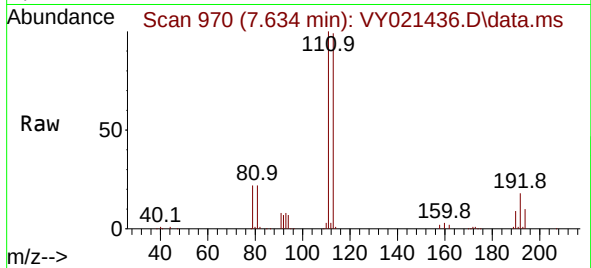




#35
Dibromofluoromethane
Concen: 51.745 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021436.D
Acq: 06 Mar 2025 15:49

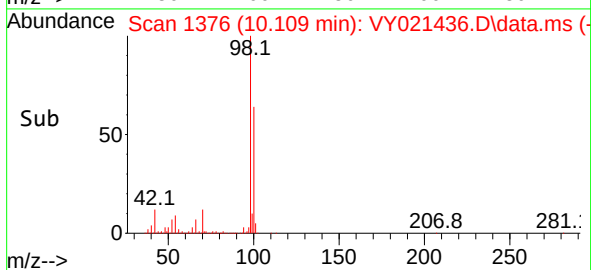
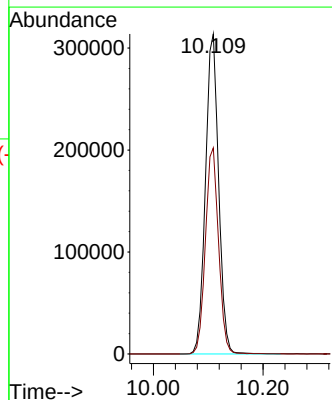
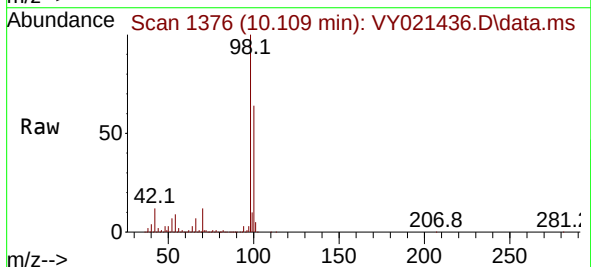
Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

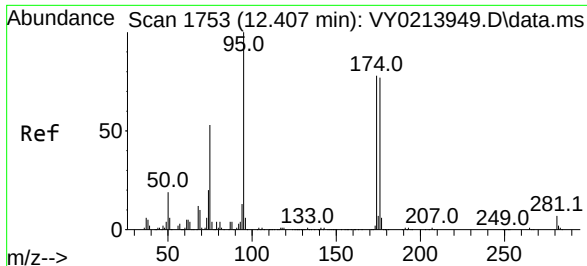
Tgt Ion:113 Resp: 145960
Ion Ratio Lower Upper
113 100
111 102.8 82.0 123.0
192 19.3 15.9 23.9



#50
Toluene-d8
Concen: 48.746 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021436.D
Acq: 06 Mar 2025 15:49

Tgt Ion: 98 Resp: 520619
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 42.773 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021436.D

Acq: 06 Mar 2025 15:49

Instrument :

MSVOA_Y

ClientSampleId :

ENV-101-SB02

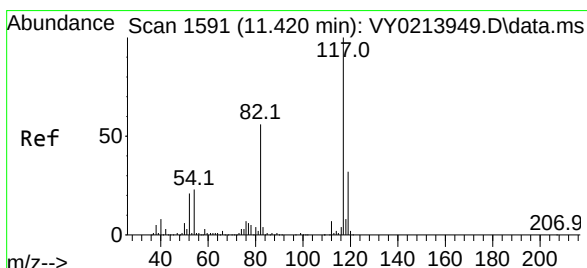
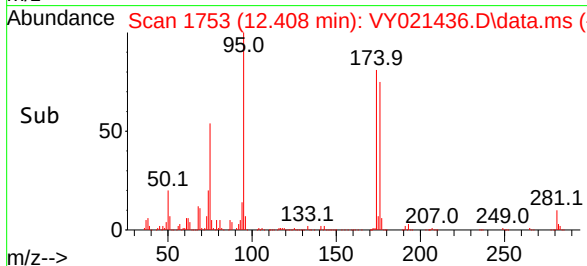
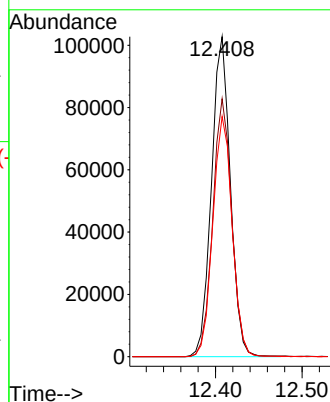
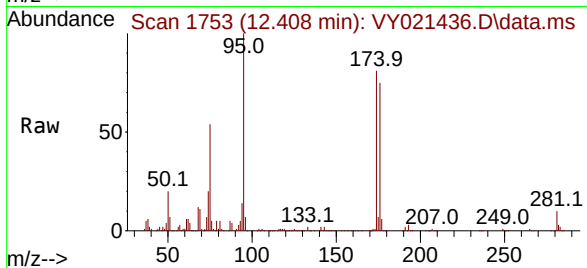
Tgt Ion: 95 Resp: 155393

Ion Ratio Lower Upper

95 100

174 80.9 0.0 165.0

176 76.9 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021436.D

Acq: 06 Mar 2025 15:49

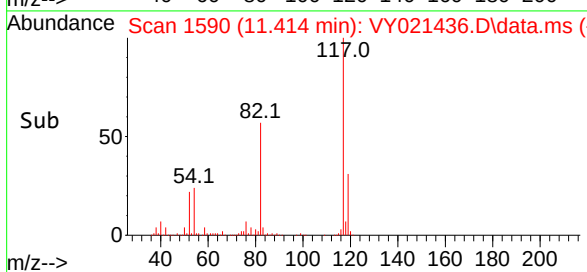
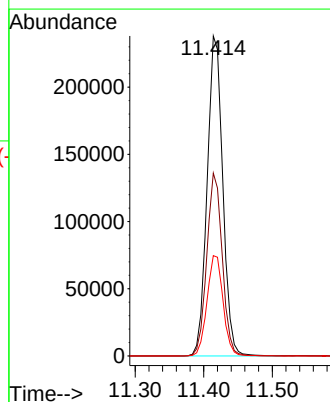
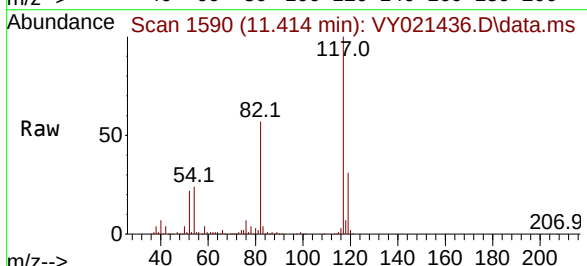
Tgt Ion: 117 Resp: 377679

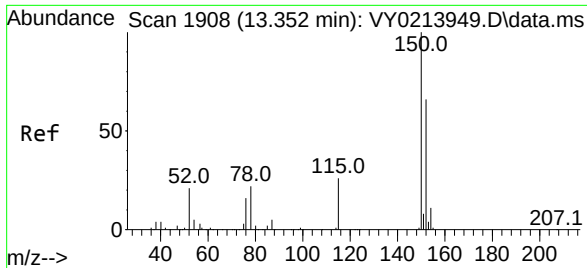
Ion Ratio Lower Upper

117 100

82 57.2 44.6 67.0

119 31.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021436.D

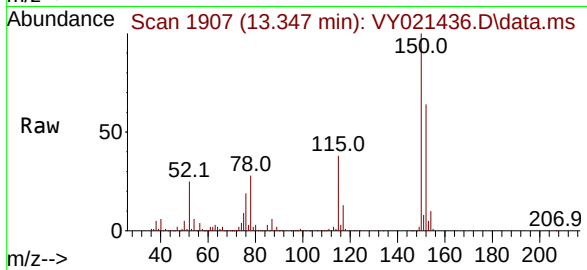
Acq: 06 Mar 2025 15:49

Instrument :

MSVOA_Y

ClientSampleId :

ENV-101-SB02



Tgt Ion:152 Resp: 143740

Ion Ratio Lower Upper

152 100

115 59.7 29.0 87.0

150 154.9 0.0 347.2

