

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
 Data File : VY021480.D
 Acq On : 11 Mar 2025 12:48
 Operator : SY/MD
 Sample : Q1514-05
 Misc : 7.66g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-103-SB01

Quant Time: Mar 12 01:24:17 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)

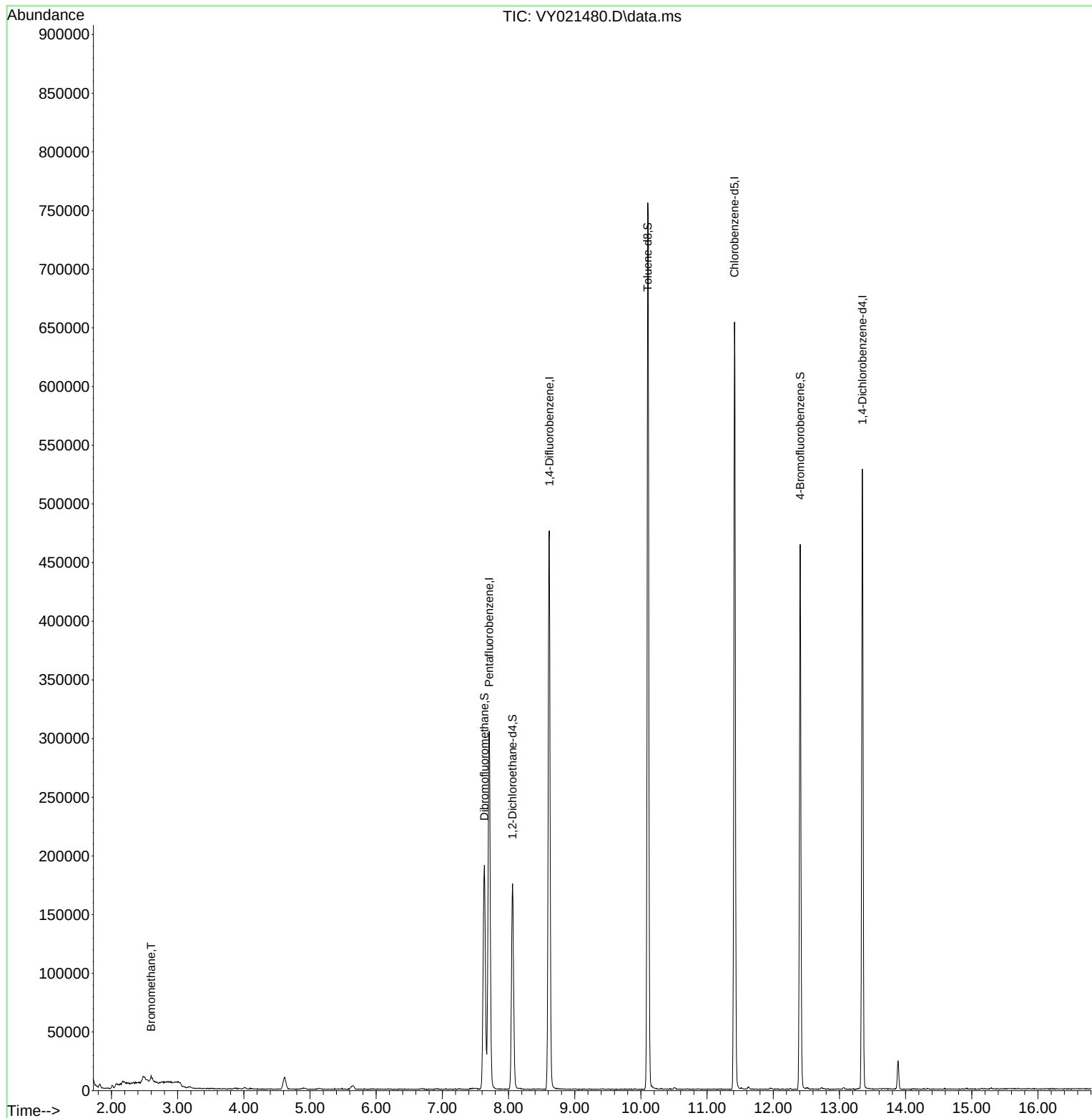
Internal Standards						
1) Pentafluorobenzene	7.707	168	233794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	402762	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	340384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139449	56.433	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	112.860%	
35) Dibromofluoromethane	7.634	113	134348	50.747	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	101.500%	
50) Toluene-d8	10.103	98	479026	47.788	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	95.580%	
62) 4-Bromofluorobenzene	12.407	95	137856	40.430	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	80.860%	
Target Compounds						
5) Bromomethane	2.598	94	2830	1.185	ug/l	Qvalue 90

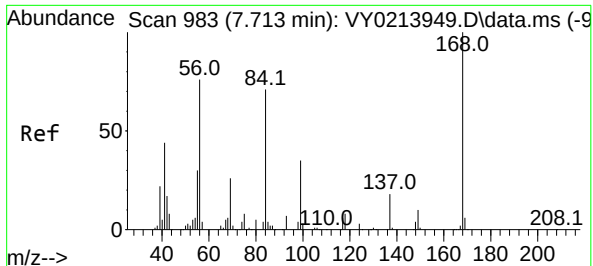
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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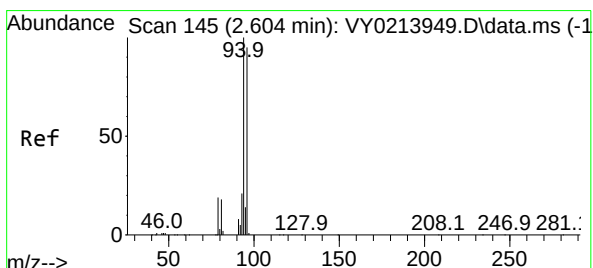
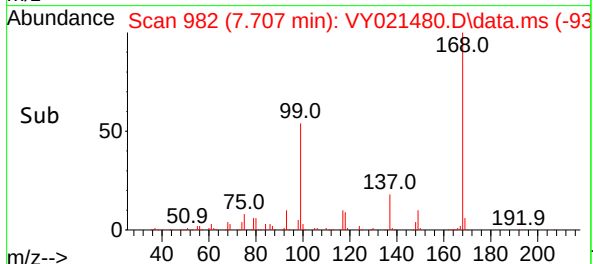
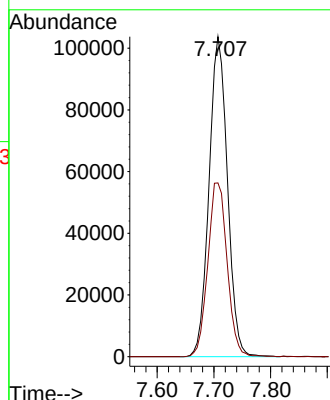
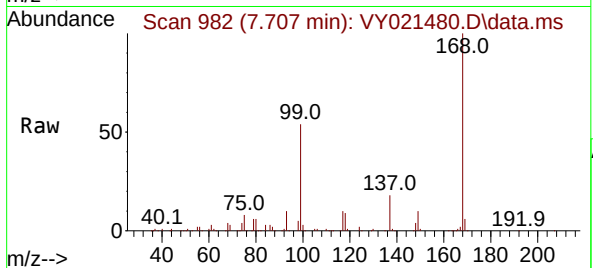




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

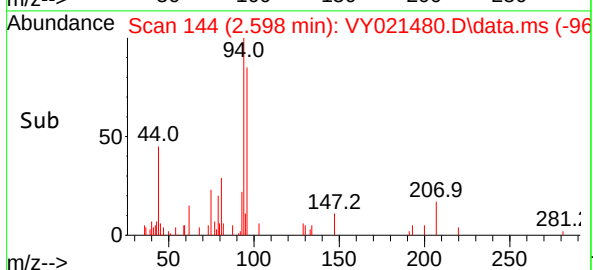
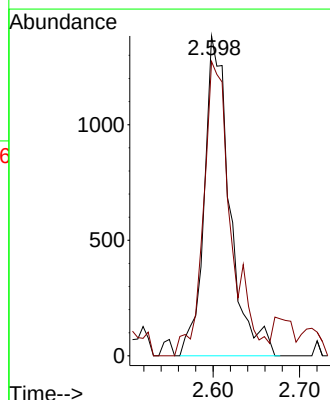
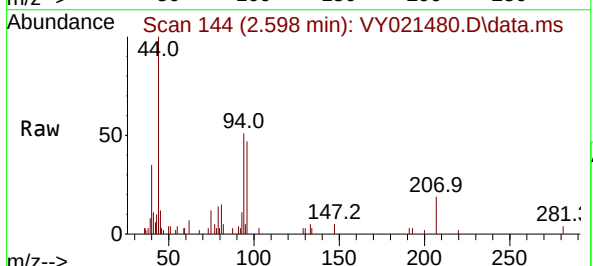
Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

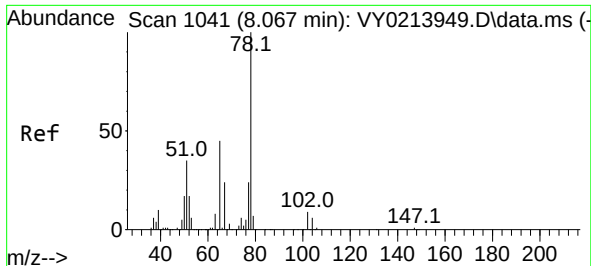
Tgt Ion:168 Resp: 233794
Ion Ratio Lower Upper
168 100
99 54.3 46.0 69.0



#5
Bromomethane
Concen: 1.185 ug/l
RT: 2.598 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Tgt Ion: 94 Resp: 2830
Ion Ratio Lower Upper
94 100
96 85.9 76.3 114.5





#33

1,2-Dichloroethane-d4

Concen: 56.433 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021480.D

Acq: 11 Mar 2025 12:48

Instrument :

MSVOA_Y

ClientSampleId :

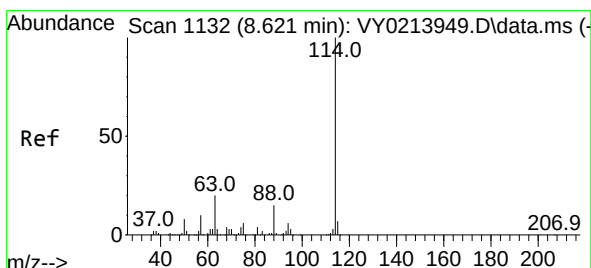
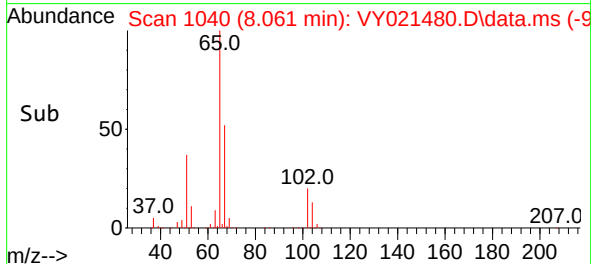
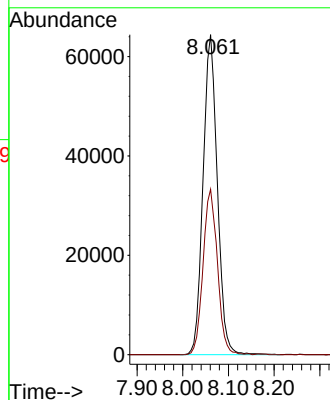
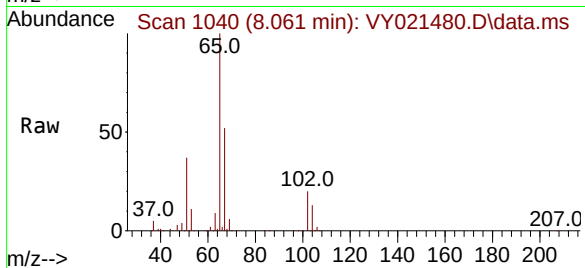
ENV-103-SB01

Tgt Ion: 65 Resp: 139449

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021480.D

Acq: 11 Mar 2025 12:48

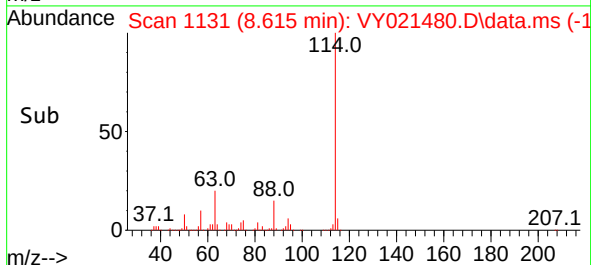
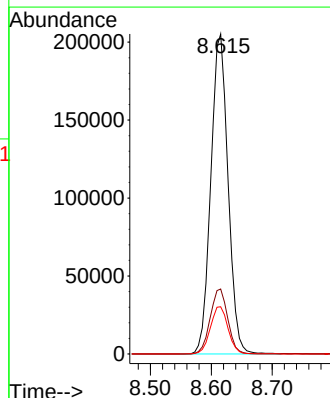
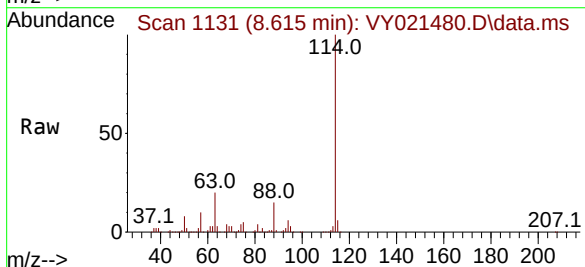
Tgt Ion: 114 Resp: 402762

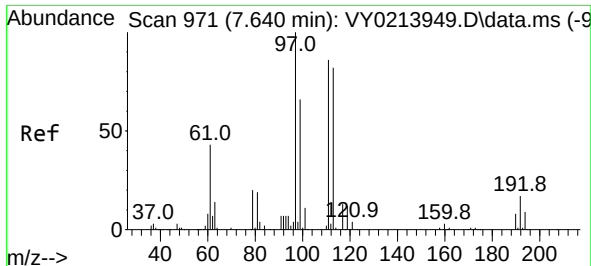
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 14.7 0.0 30.8

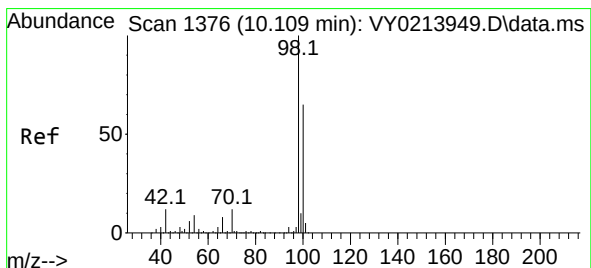
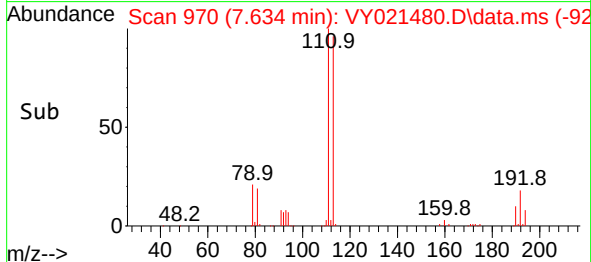
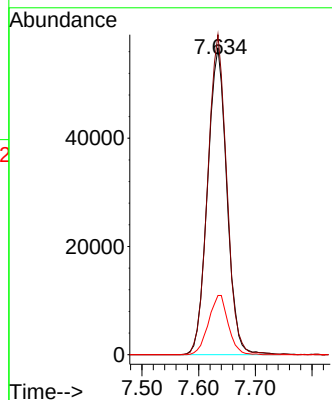
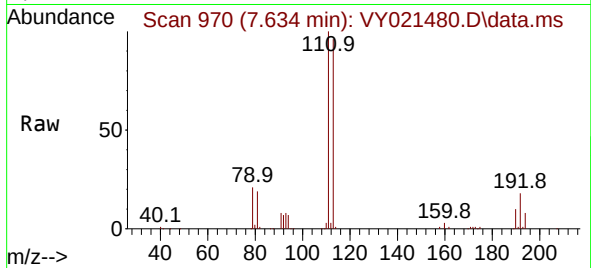




#35
Dibromofluoromethane
Concen: 50.747 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

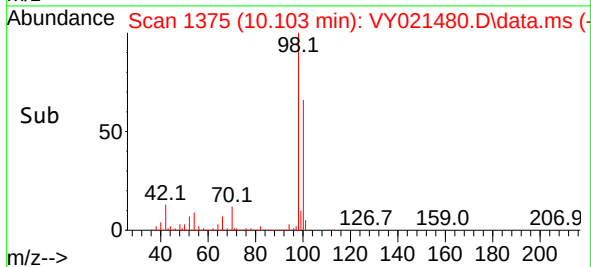
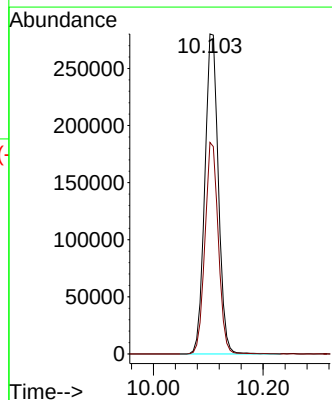
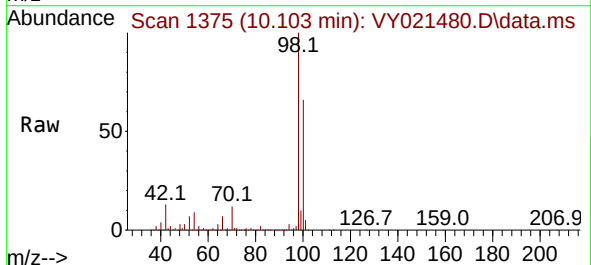
Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

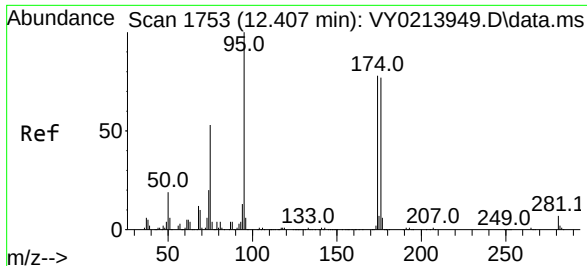
Tgt Ion:113 Resp: 134348
Ion Ratio Lower Upper
113 100
111 102.4 82.0 123.0
192 19.7 15.9 23.9



#50
Toluene-d8
Concen: 47.788 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Tgt Ion: 98 Resp: 479026
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1

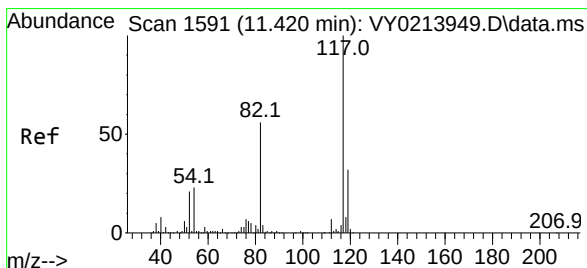
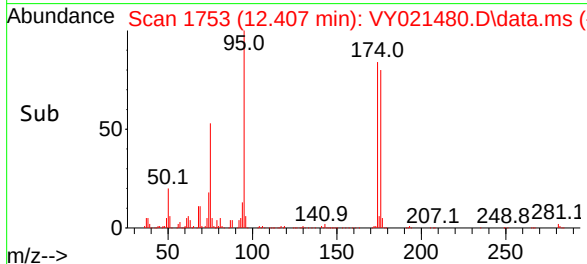
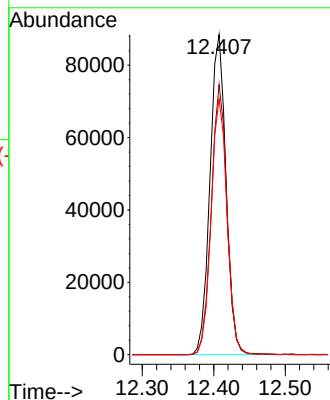
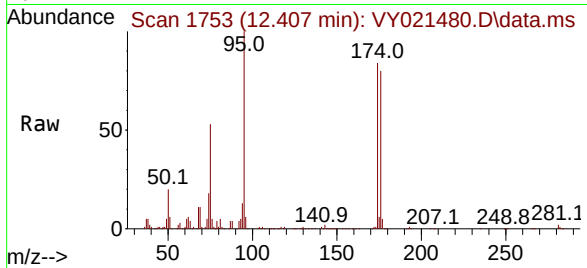




#62
4-Bromofluorobenzene
Concen: 40.430 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

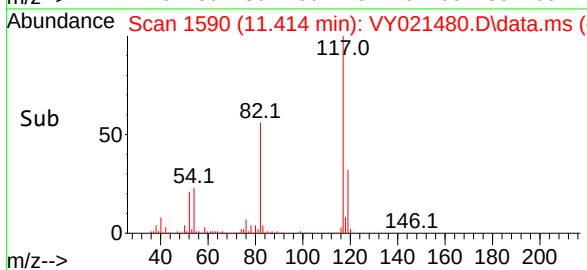
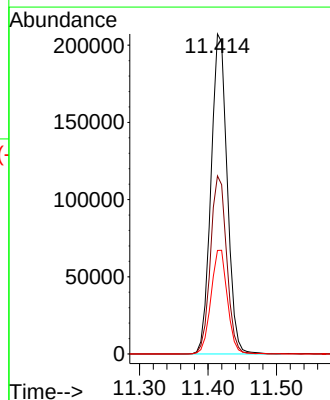
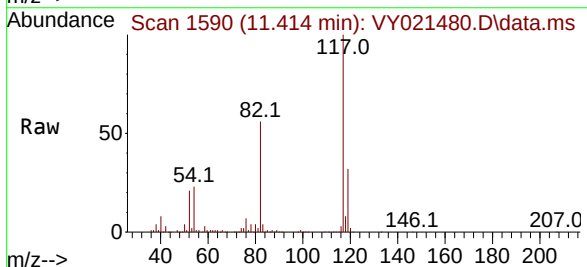
Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

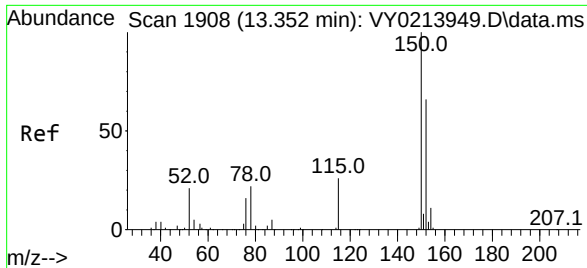
Tgt Ion: 95 Resp: 137856
Ion Ratio Lower Upper
95 100
174 82.8 0.0 165.0
176 79.4 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Tgt Ion: 117 Resp: 340384
Ion Ratio Lower Upper
117 100
82 55.7 44.6 67.0
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. -0.006 min

Lab File: VY021480.D

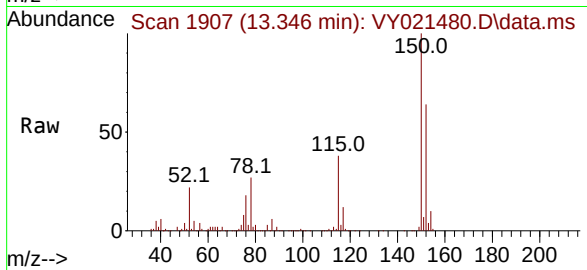
Acq: 11 Mar 2025 12:48

Instrument :

MSVOA_Y

ClientSampleId :

ENV-103-SB01



Tgt Ion:152 Resp: 126386

Ion Ratio Lower Upper

152 100

115 58.1 29.0 87.0

150 156.9 0.0 347.2

