

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
 Data File : VY021508.D
 Acq On : 12 Mar 2025 14:46
 Operator : SY/MD
 Sample : Q1542-02
 Misc : 4.99g/5.4mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Mar 13 01:37:39 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)

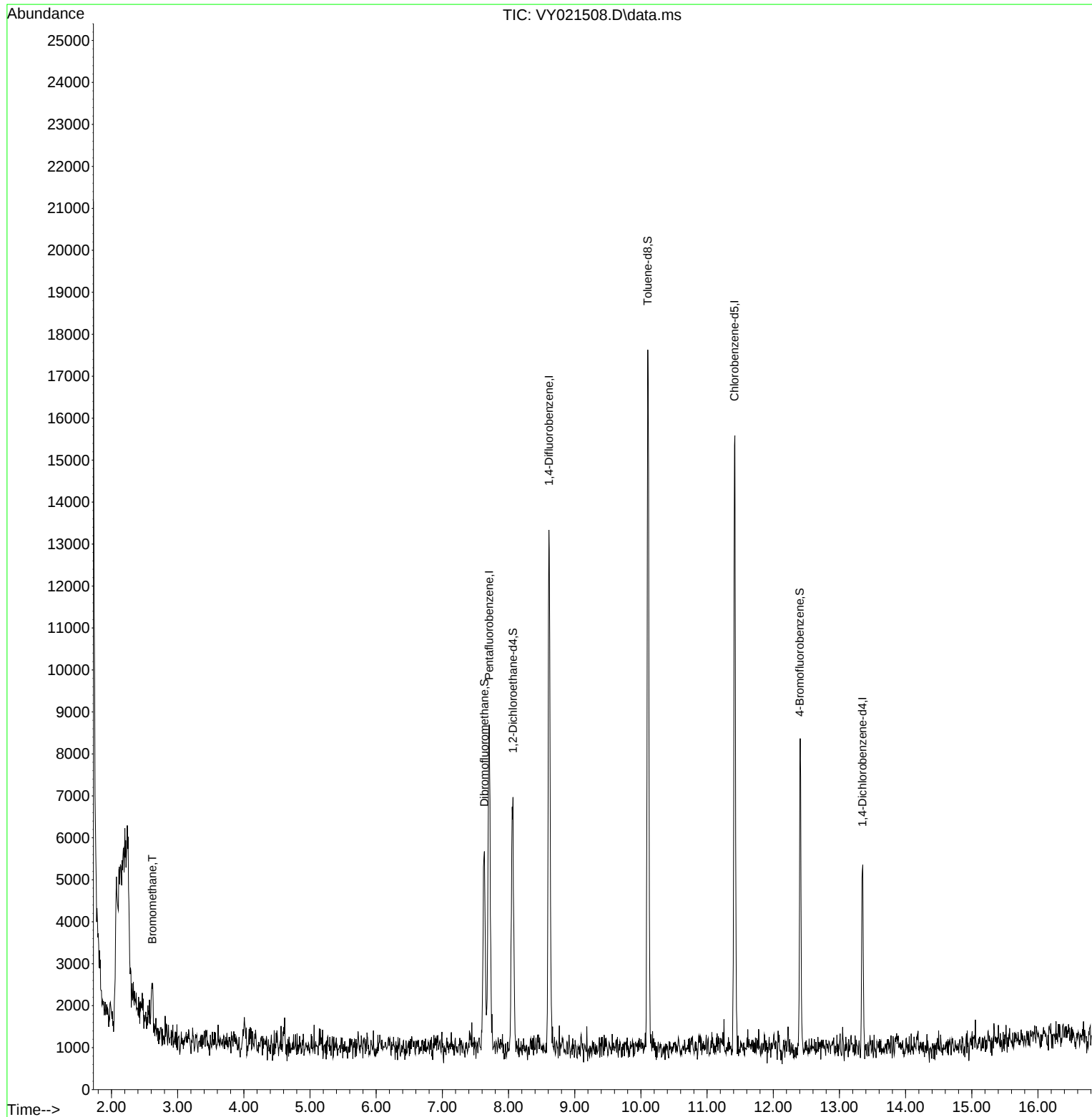
Internal Standards						
1) Pentafluorobenzene	7.707	168	6059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	9881	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	8090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	5125	80.028	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 160.060%	
35) Dibromofluoromethane	7.634	113	3631	55.905	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.820%	
50) Toluene-d8	10.103	98	11102	45.145	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.300%	
62) 4-Bromofluorobenzene	12.402	95	2281	27.268	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 54.540%	
Target Compounds						
5) Bromomethane	2.617	94	569	9.190	ug/l	Qvalue # 70

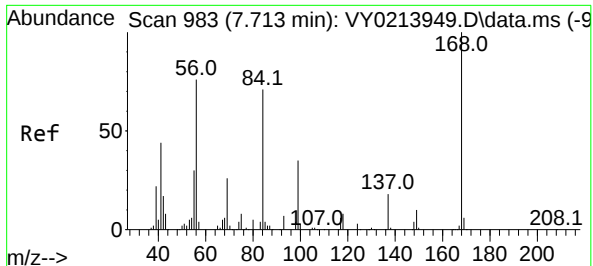
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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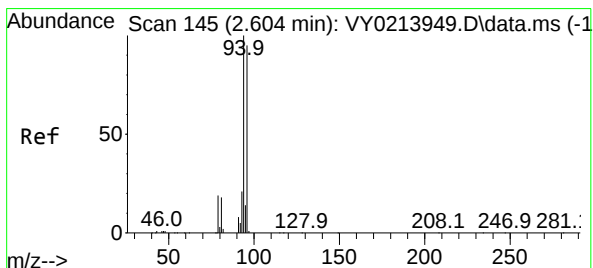
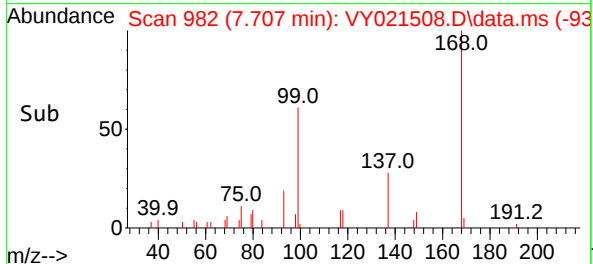
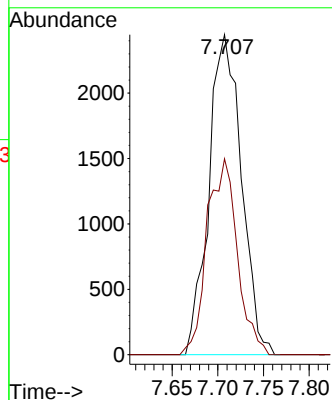
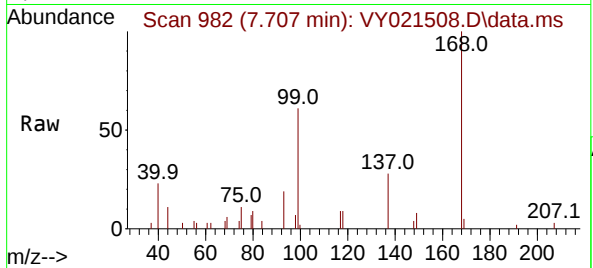




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

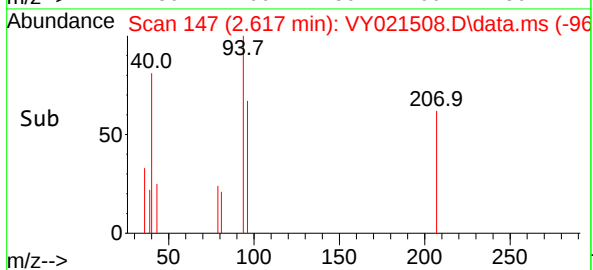
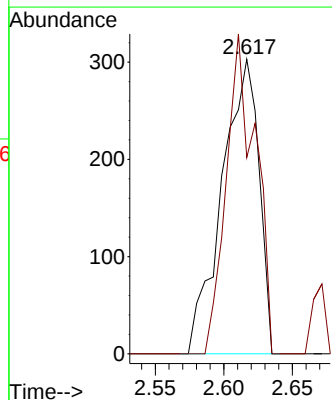
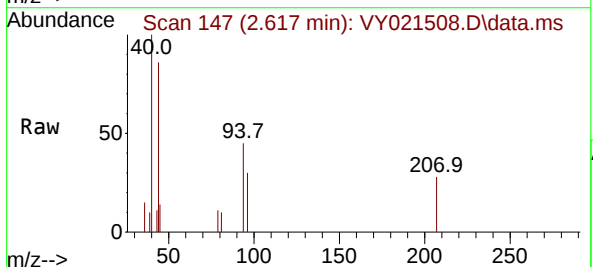
Instrument :
MSVOA_Y
ClientSampleId :
VOC

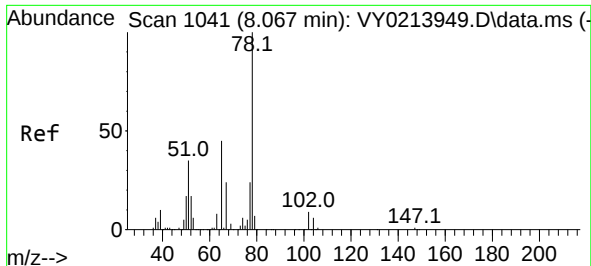
Tgt Ion:168 Resp: 6059
Ion Ratio Lower Upper
168 100
99 61.2 46.0 69.0



#5
Bromomethane
Concen: 9.190 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.013 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Tgt Ion: 94 Resp: 569
Ion Ratio Lower Upper
94 100
96 66.7 76.3 114.5#





#33

1,2-Dichloroethane-d4

Concen: 80.028 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY021508.D

Acq: 12 Mar 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

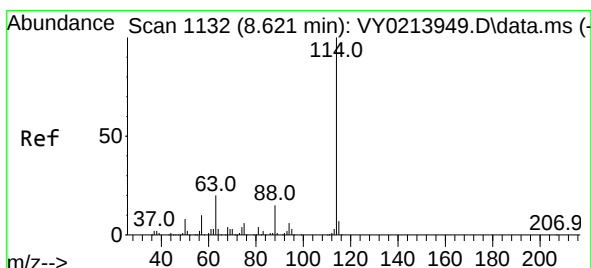
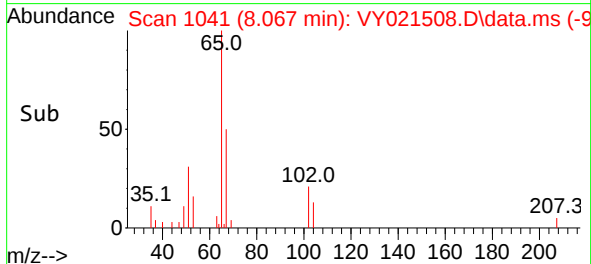
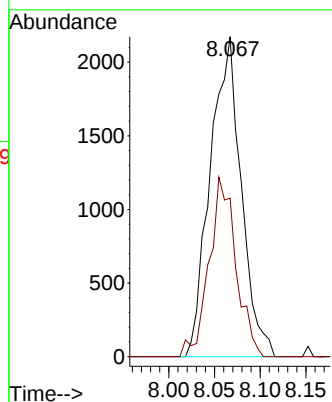
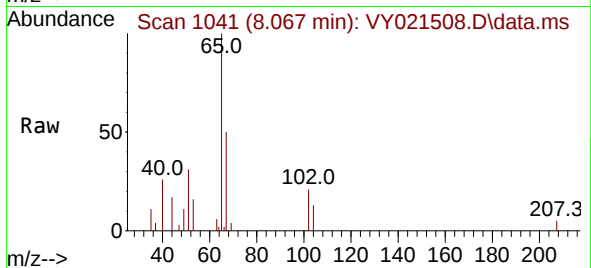
VOC

Tgt Ion: 65 Resp: 5125

Ion Ratio Lower Upper

65 100

67 48.7 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.012 min

Lab File: VY021508.D

Acq: 12 Mar 2025 14:46

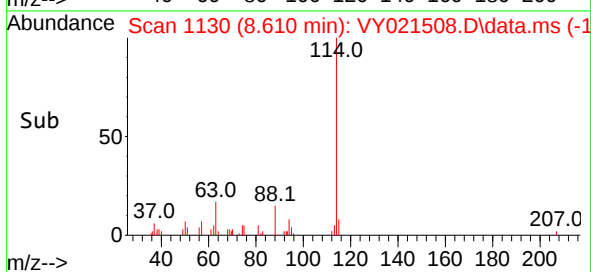
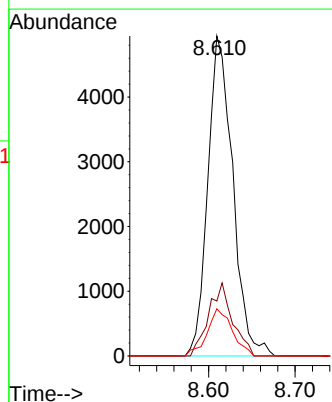
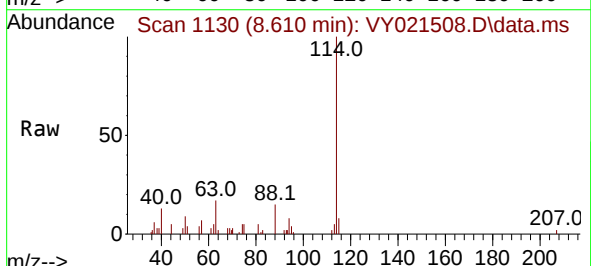
Tgt Ion: 114 Resp: 9881

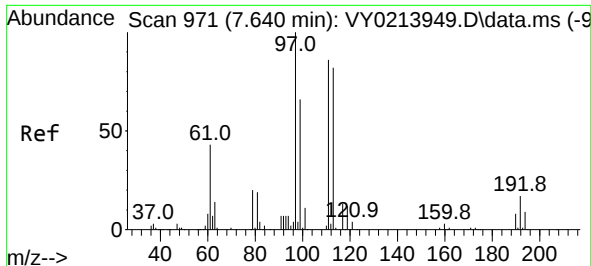
Ion Ratio Lower Upper

114 100

63 17.2 0.0 40.8

88 14.8 0.0 30.8

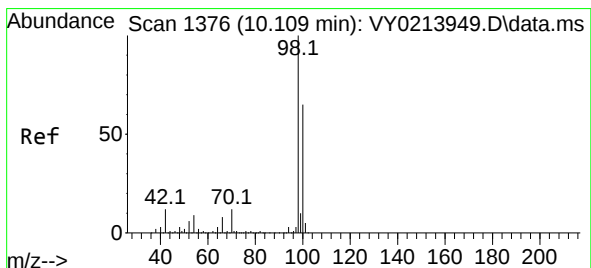
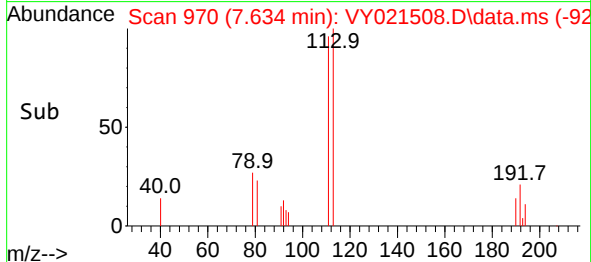
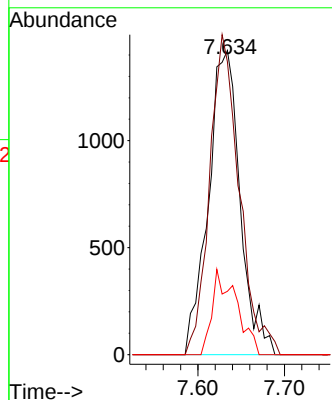
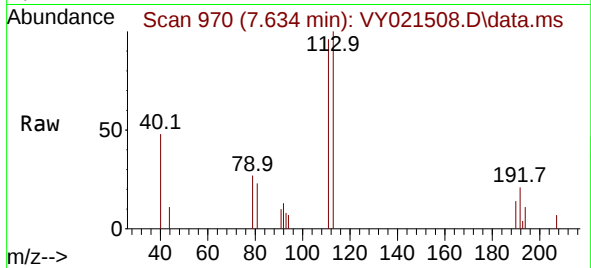




#35
Dibromofluoromethane
Concen: 55.905 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

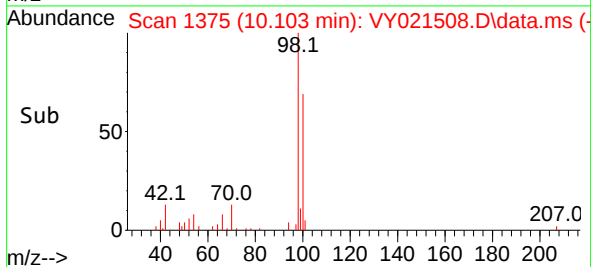
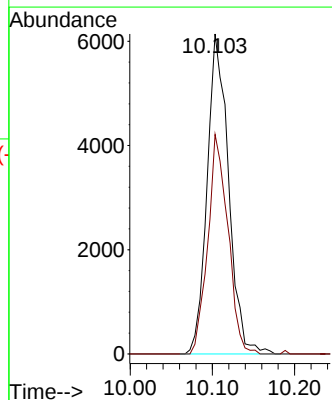
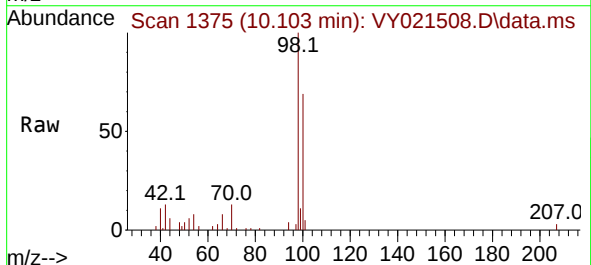
Instrument :
MSVOA_Y
ClientSampleId :
VOC

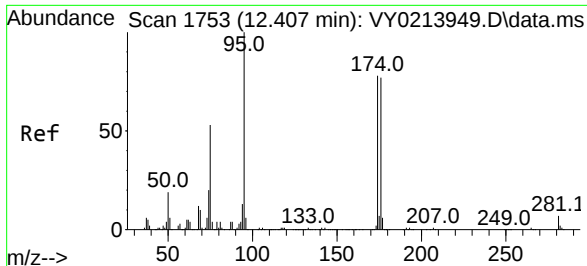
Tgt Ion:113 Resp: 3631
Ion Ratio Lower Upper
113 100
111 97.9 82.0 123.0
192 21.4 15.9 23.9



#50
Toluene-d8
Concen: 45.145 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Tgt Ion: 98 Resp: 11102
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 27.268 ug/l

RT: 12.402 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021508.D

Acq: 12 Mar 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

VOC

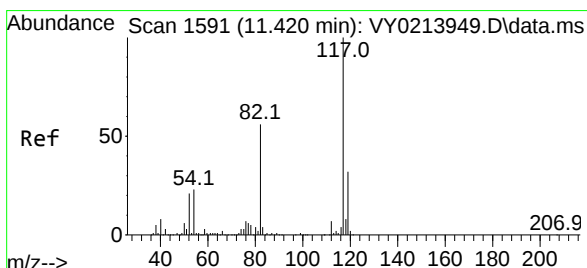
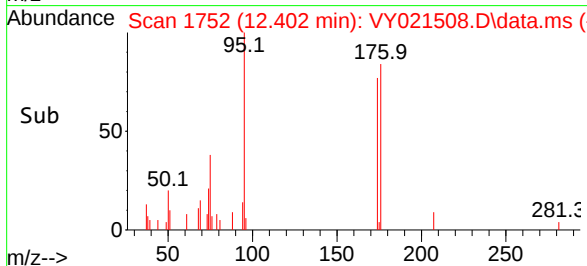
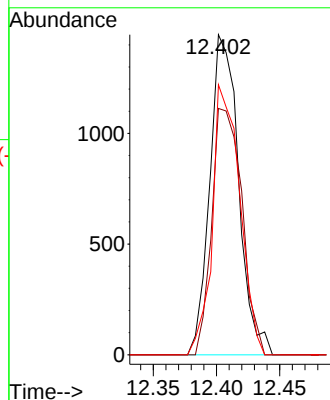
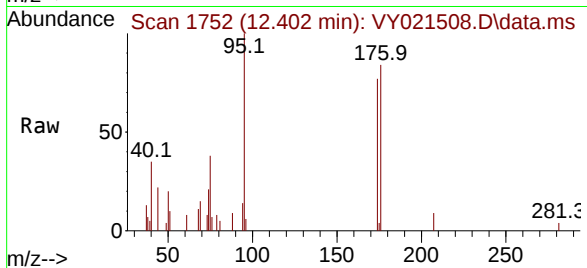
Tgt Ion: 95 Resp: 2281

Ion Ratio Lower Upper

95 100

174 80.6 0.0 165.0

176 80.4 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: VY021508.D

Acq: 12 Mar 2025 14:46

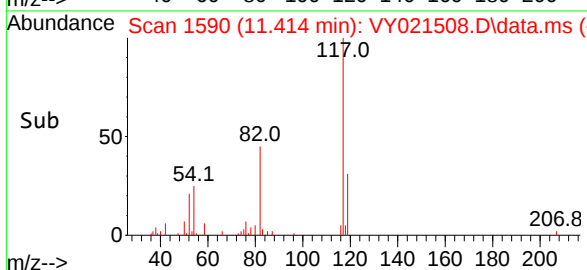
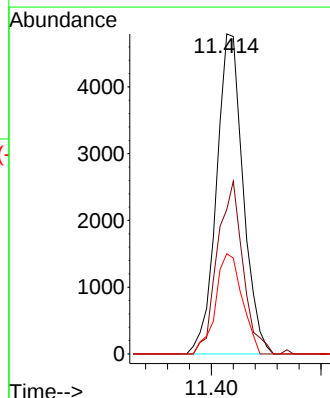
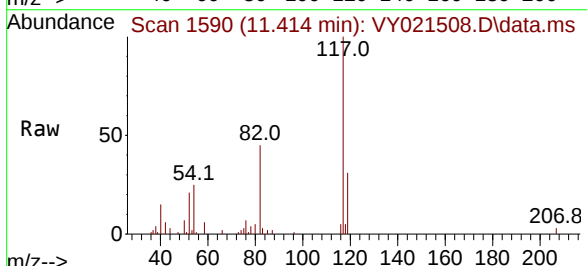
Tgt Ion: 117 Resp: 8090

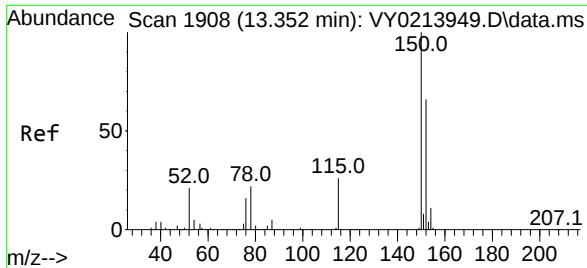
Ion Ratio Lower Upper

117 100

82 45.1 44.6 67.0

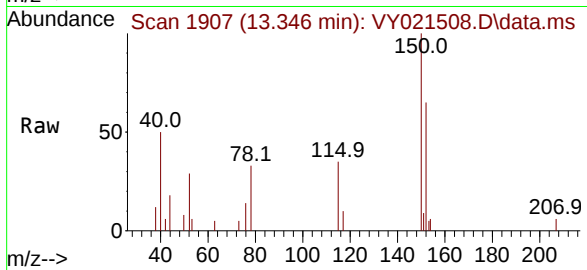
119 31.3 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.006 min
 Lab File: VY021508.D
 Acq: 12 Mar 2025 14:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC



Tgt Ion:	152	Resp:	1342
Ion Ratio	Lower	Upper	
152	100		
115	56.3	29.0	87.0
150	140.6	0.0	347.2

