

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021832.D
 Acq On : 10 Apr 2025 12:53
 Operator : SY/MD
 Sample : Q1732-03
 Misc : 3.83g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-8-VOC

Quant Time: Apr 11 01:50:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	221622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	410979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	354203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	142054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	128404	53.475	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.940%	
35) Dibromofluoromethane	7.634	113	137150	51.445	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.900%	
50) Toluene-d8	10.109	98	499853	49.285	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.580%	
62) 4-Bromofluorobenzene	12.408	95	148318	43.235	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.460%	

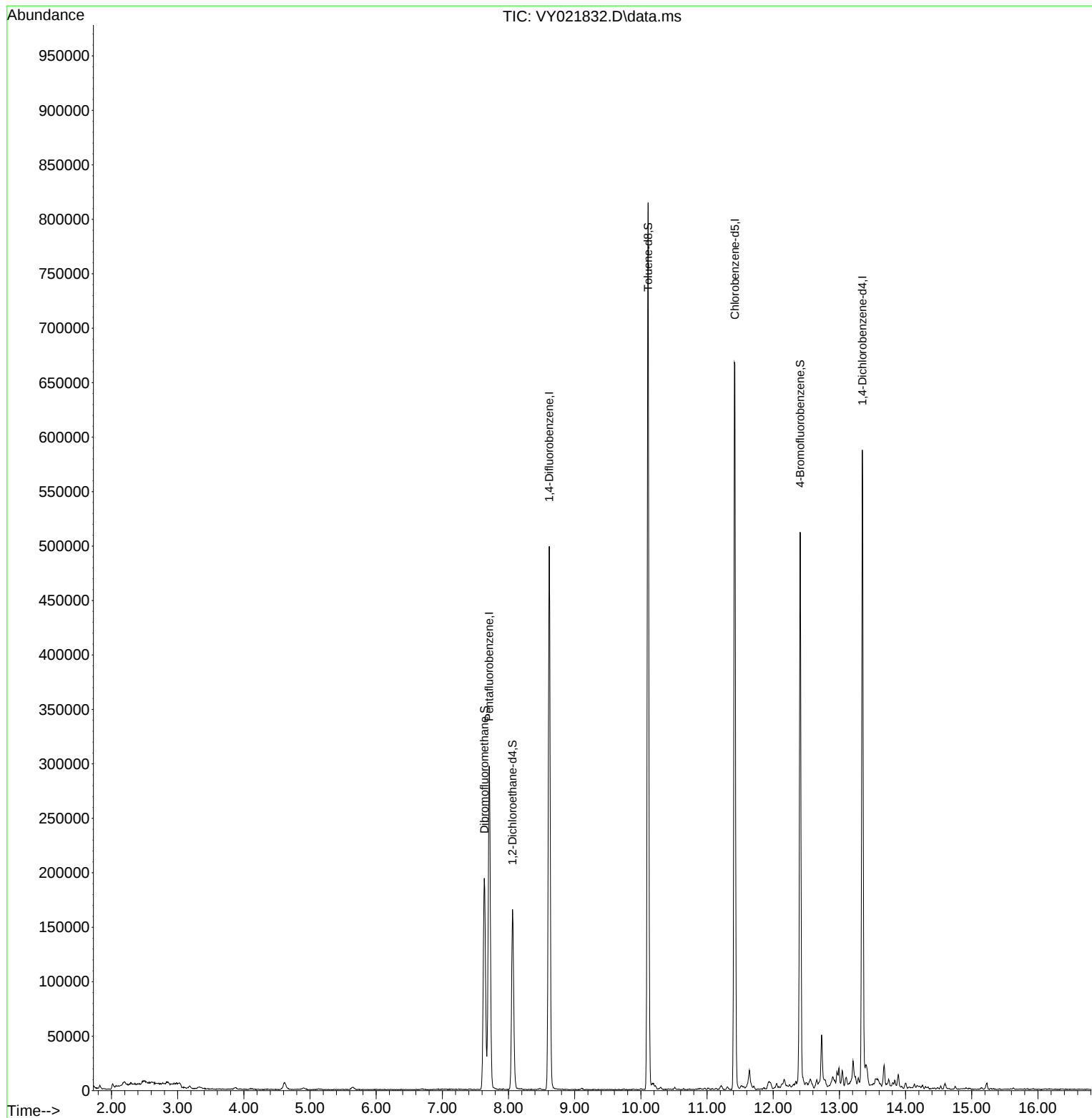
Target Compounds	Qvalue

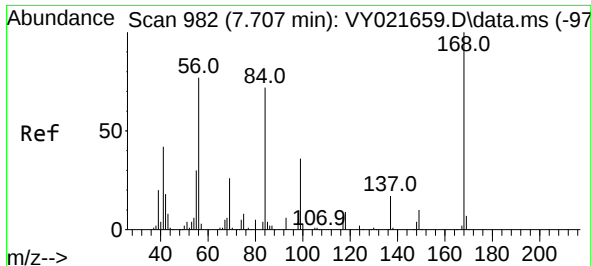
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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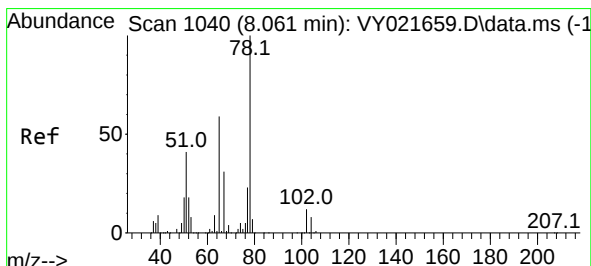
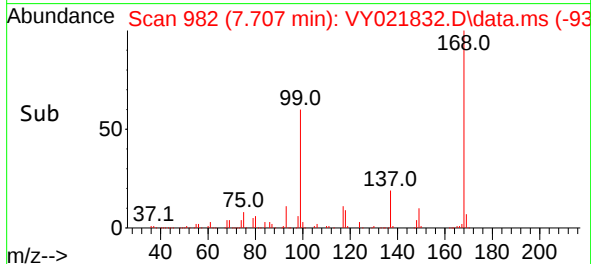
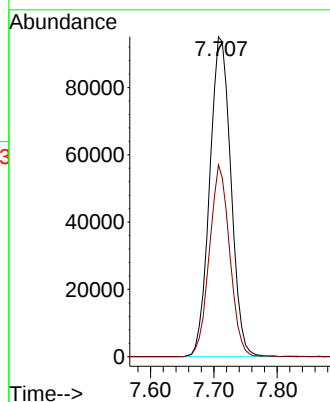
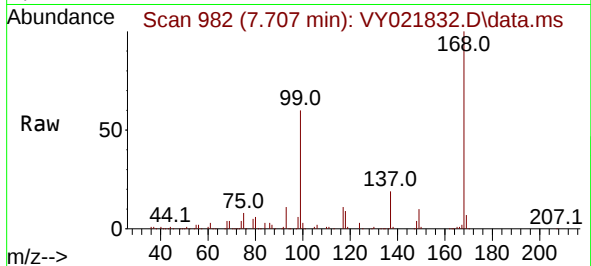




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021832.D
Acq: 10 Apr 2025 12:53

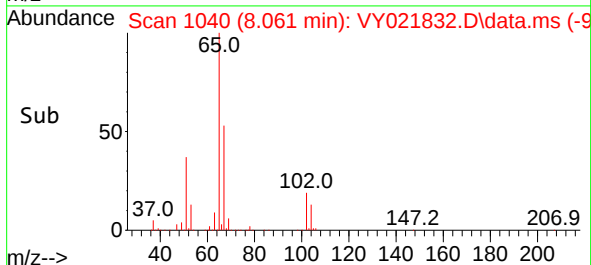
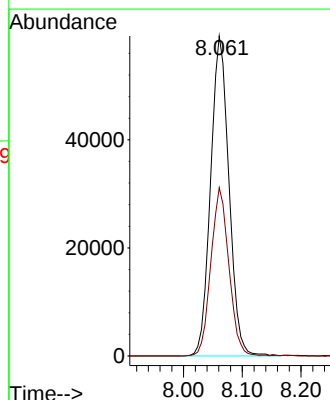
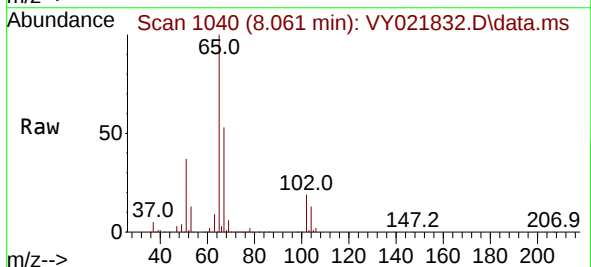
Instrument :
MSVOA_Y
ClientSampleId :
TT-8-VOC

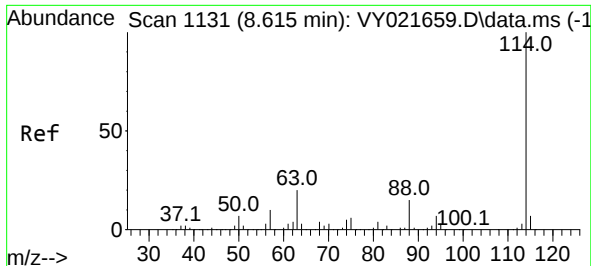
Tgt Ion:168 Resp: 221622
Ion Ratio Lower Upper
168 100
99 60.0 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 53.475 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021832.D
Acq: 10 Apr 2025 12:53

Tgt Ion: 65 Resp: 128404
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021832.D

Acq: 10 Apr 2025 12:53

Instrument :

MSVOA_Y

ClientSampleId :

TT-8-VOC

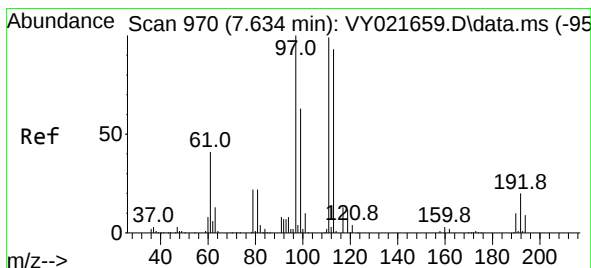
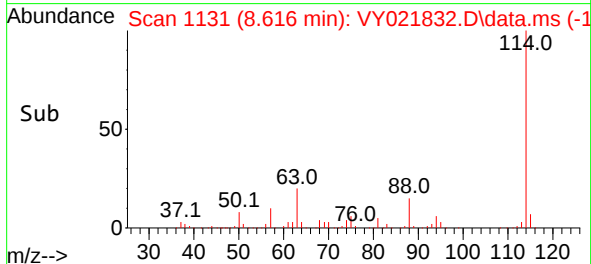
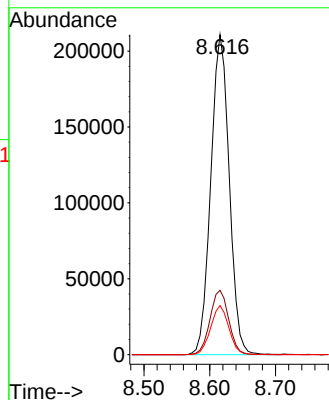
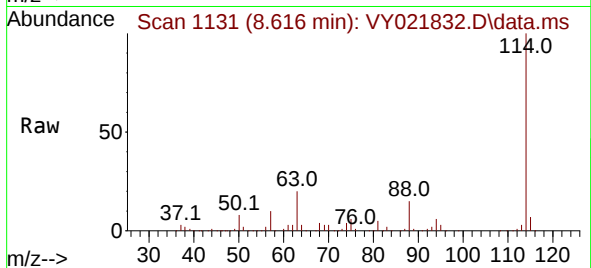
Tgt Ion:114 Resp: 410979

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 15.3 0.0 29.8



#35

Dibromofluoromethane

Concen: 51.445 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021832.D

Acq: 10 Apr 2025 12:53

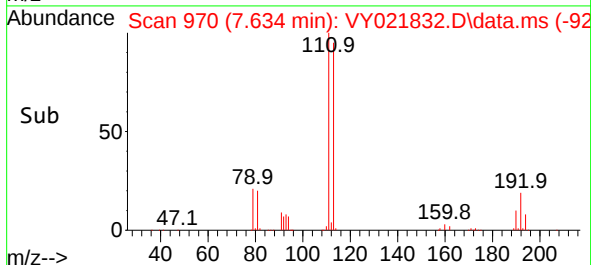
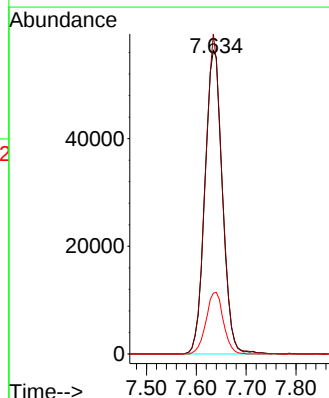
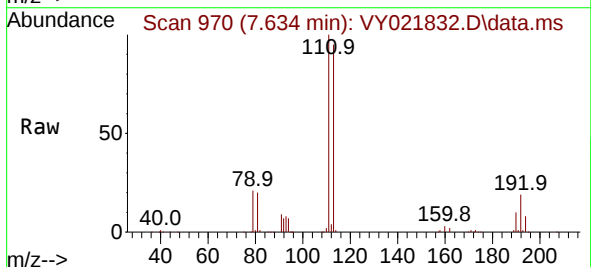
Tgt Ion:113 Resp: 137150

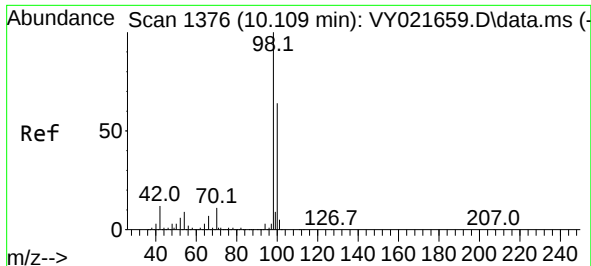
Ion Ratio Lower Upper

113 100

111 101.3 82.6 123.8

192 20.1 16.2 24.4

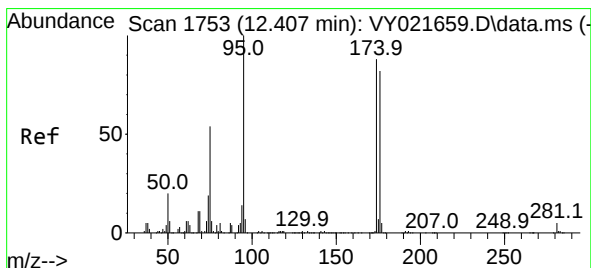
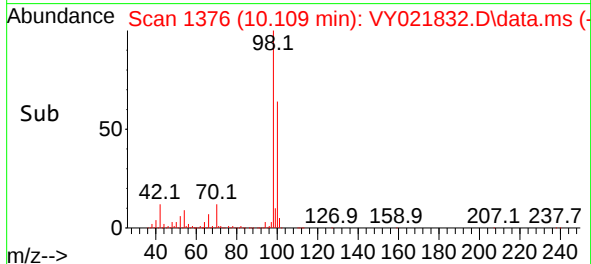
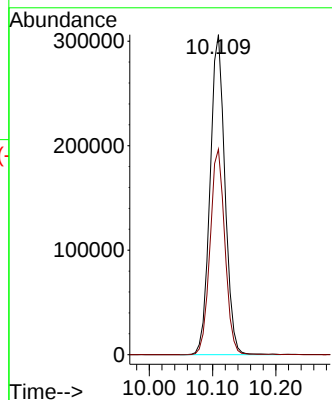
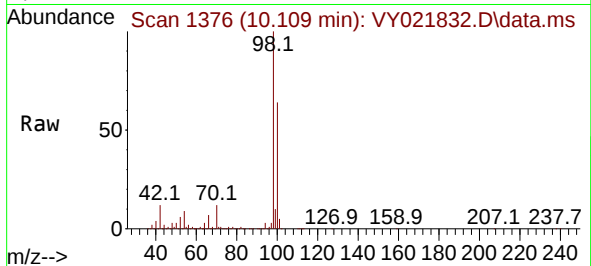




#50
Toluene-d8
Concen: 49.285 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021832.D
Acq: 10 Apr 2025 12:53

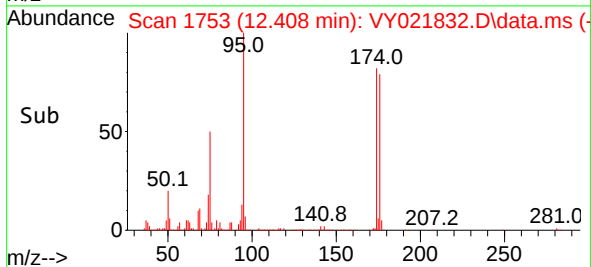
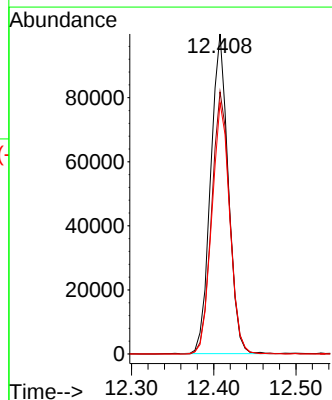
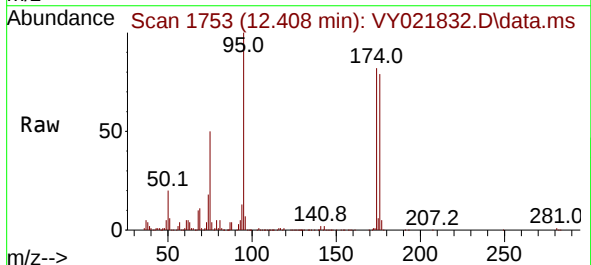
Instrument :
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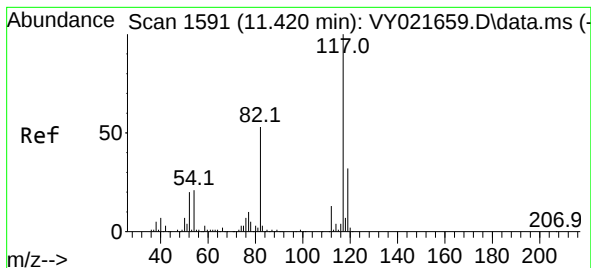
Tgt Ion: 98 Resp: 499853
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 43.235 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021832.D
Acq: 10 Apr 2025 12:53

Tgt Ion: 95 Resp: 148318
Ion Ratio Lower Upper
95 100
174 84.4 0.0 170.8
176 80.3 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021832.D

Acq: 10 Apr 2025 12:53

Instrument :

MSVOA_Y

ClientSampleId :

TT-8-VOC

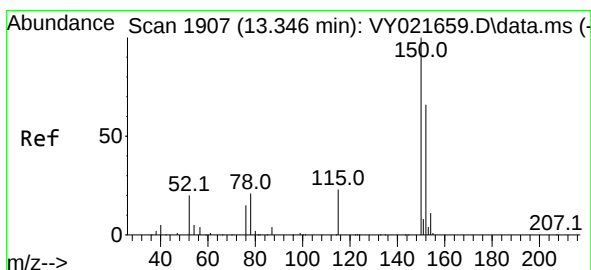
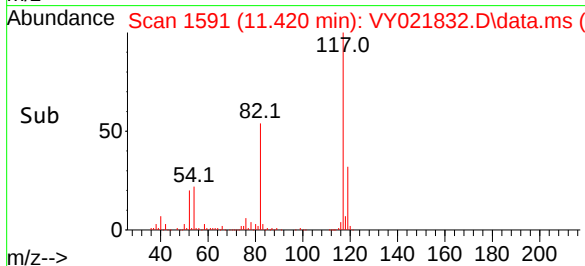
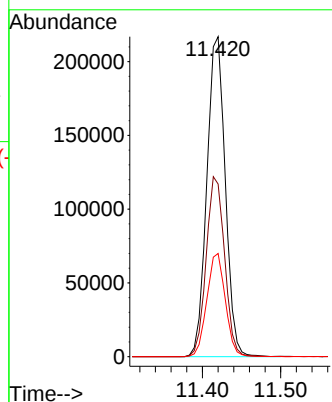
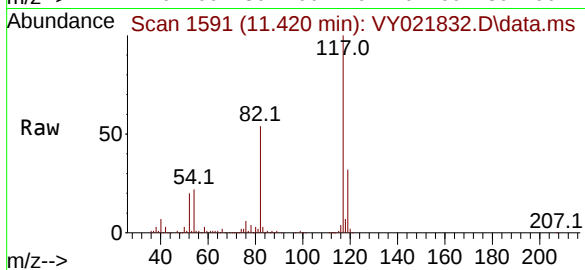
Tgt Ion:117 Resp: 354203

Ion Ratio Lower Upper

117 100

82 54.0 42.8 64.2

119 32.3 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021832.D

Acq: 10 Apr 2025 12:53

Tgt Ion:152 Resp: 142054

Ion Ratio Lower Upper

152 100

115 59.4 28.8 86.5

150 156.5 0.0 348.4

