

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021225\
 Data File : VY021181.D
 Acq On : 12 Feb 2025 14:12
 Operator : SY/MD
 Sample : Q1353-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 346

Quant Time: Feb 13 08:05:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	12370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	19210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	14381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	3057	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	6203	48.942	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.880%
35) Dibromofluoromethane	7.634	113	6304	51.206	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.420%
50) Toluene-d8	10.115	98	21638	46.167	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.340%
62) 4-Bromofluorobenzene	12.414	95	4326	28.253	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	56.500%

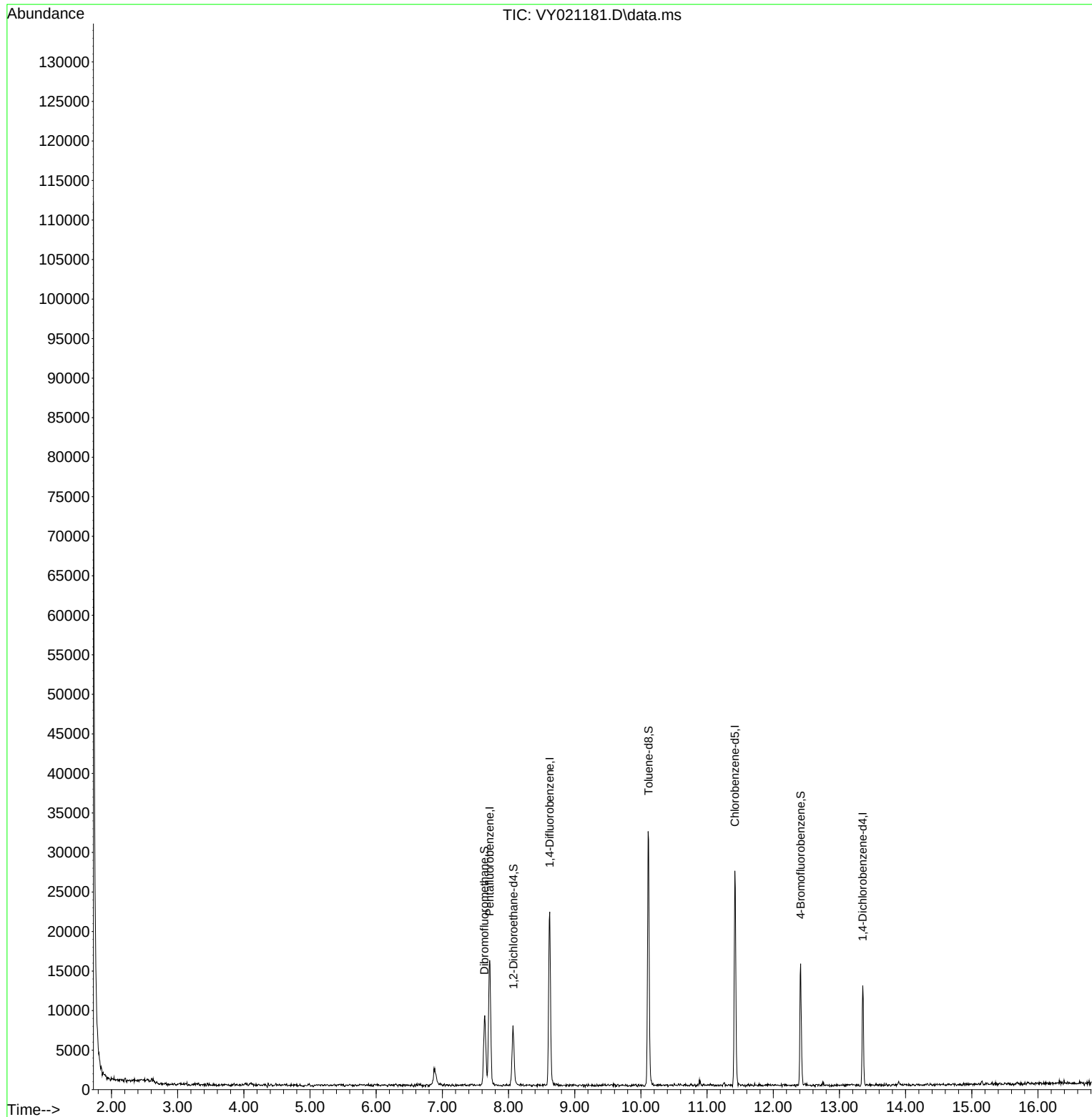
Target Compounds	Qvalue

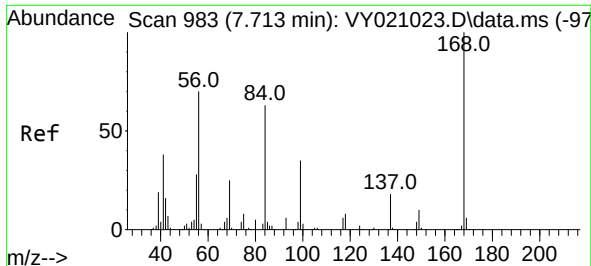
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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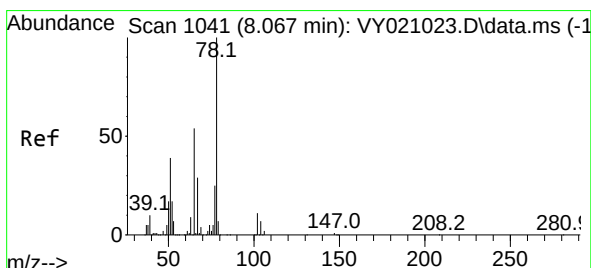
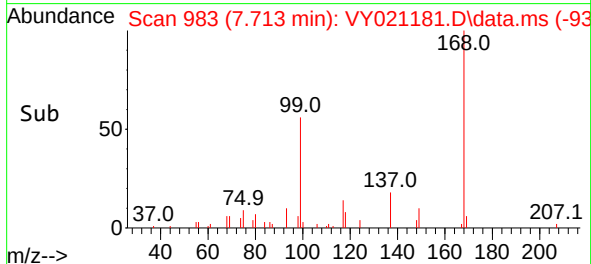
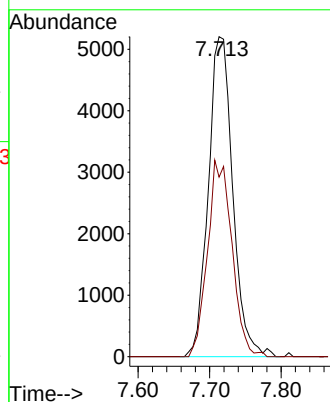
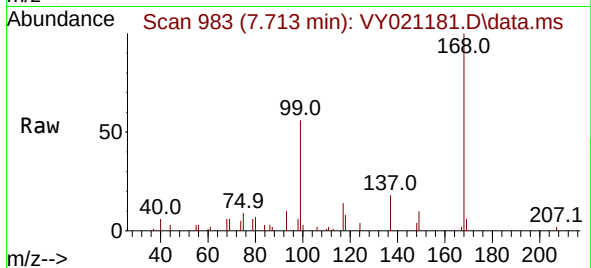




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021181.D
Acq: 12 Feb 2025 14:12

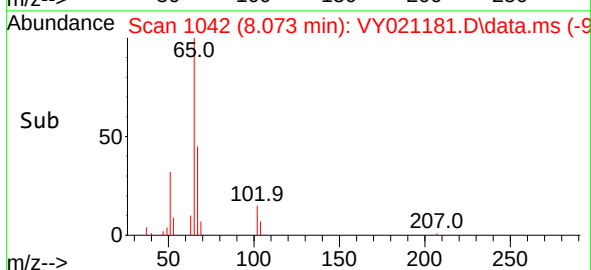
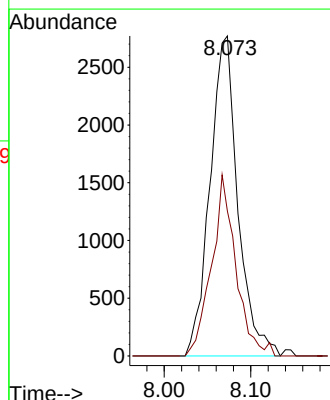
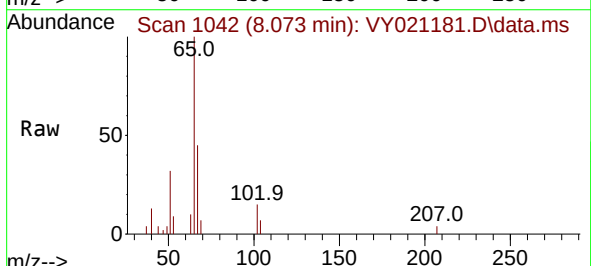
Instrument :
MSVOA_Y
ClientSampleId :
346

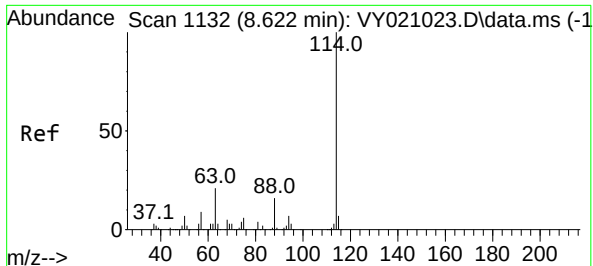
Tgt Ion:168 Resp: 12370
Ion Ratio Lower Upper
168 100
99 56.1 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 48.942 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021181.D
Acq: 12 Feb 2025 14:12

Tgt Ion: 65 Resp: 6203
Ion Ratio Lower Upper
65 100
67 49.6 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021181.D

Acq: 12 Feb 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

346

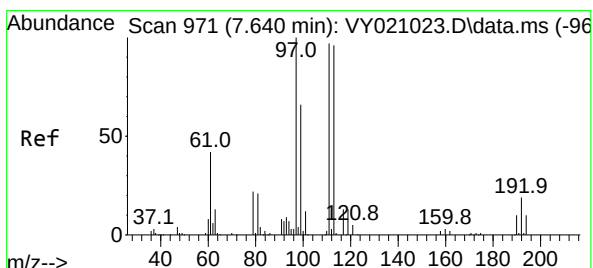
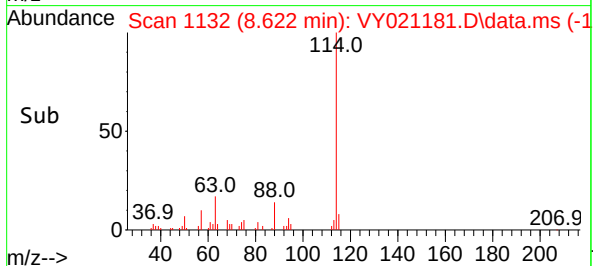
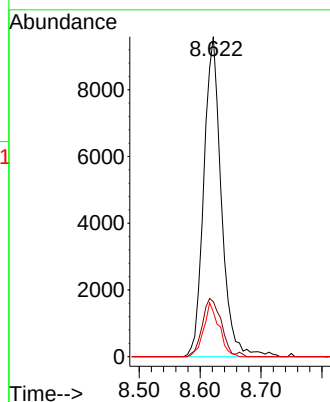
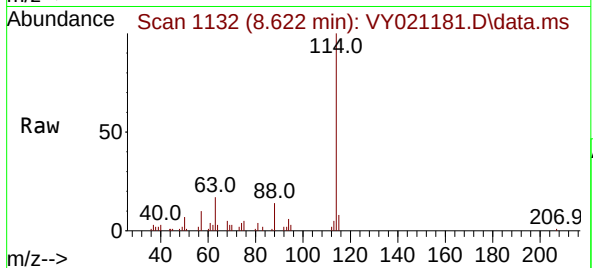
Tgt Ion:114 Resp: 19210

Ion Ratio Lower Upper

114 100

63 17.2 0.0 37.4

88 14.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.206 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021181.D

Acq: 12 Feb 2025 14:12

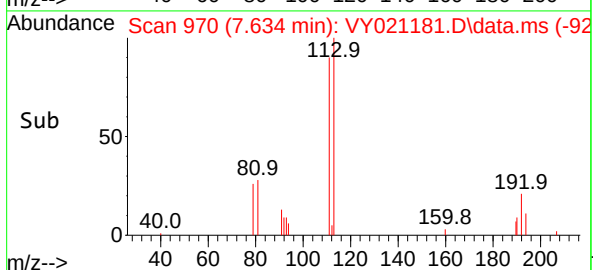
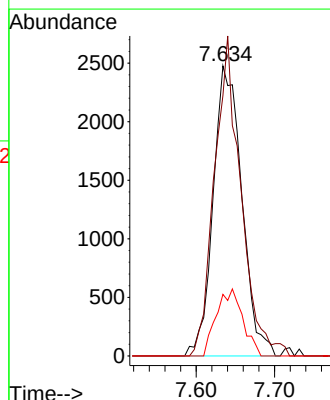
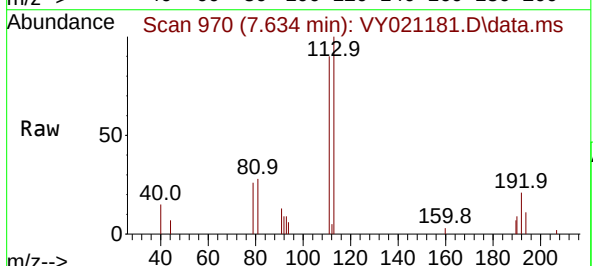
Tgt Ion:113 Resp: 6304

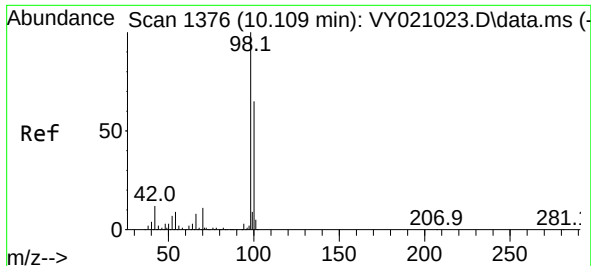
Ion Ratio Lower Upper

113 100

111 101.6 83.8 125.6

192 21.2 14.5 21.7

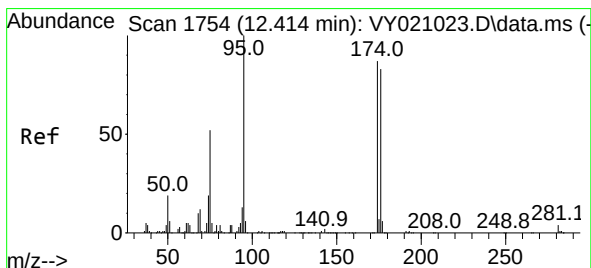
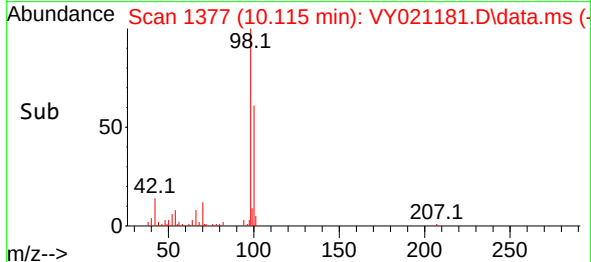
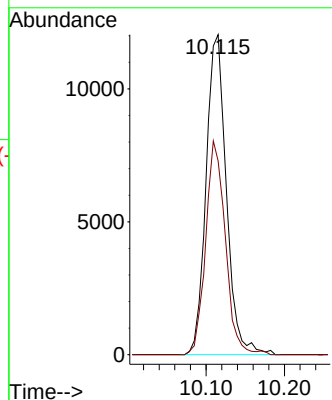
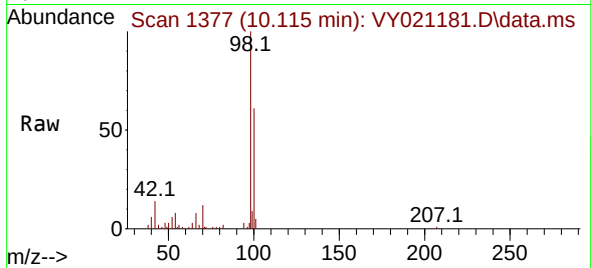




#50
Toluene-d8
Concen: 46.167 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021181.D
Acq: 12 Feb 2025 14:12

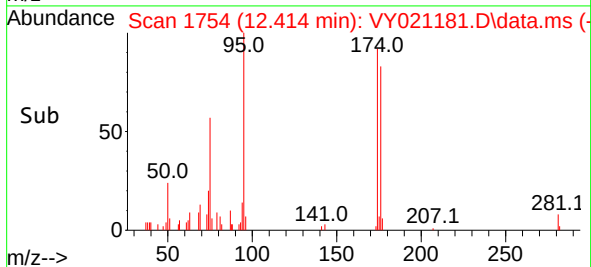
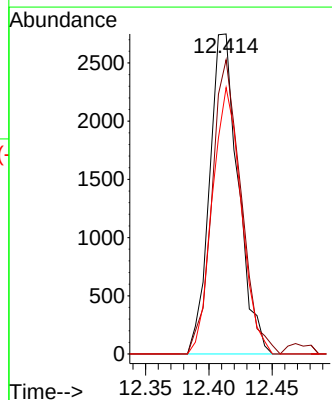
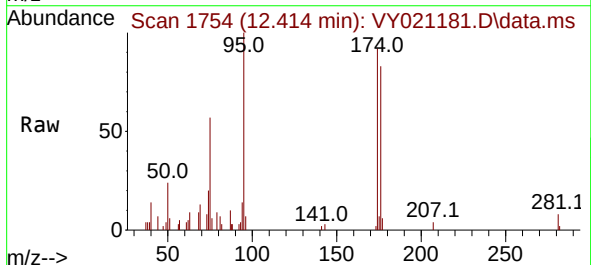
Instrument :
MSVOA_Y
ClientSampleId :
346

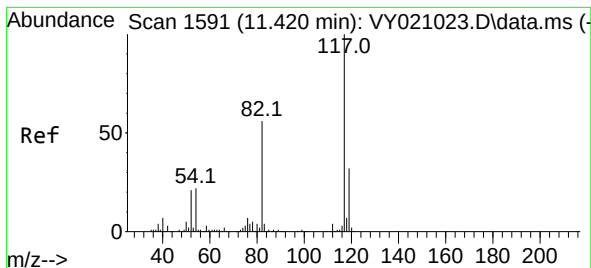
Tgt Ion: 98 Resp: 21638
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 28.253 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021181.D
Acq: 12 Feb 2025 14:12

Tgt Ion: 95 Resp: 4326
Ion Ratio Lower Upper
95 100
174 92.8 0.0 160.0
176 84.5 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021181.D

Acq: 12 Feb 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

346

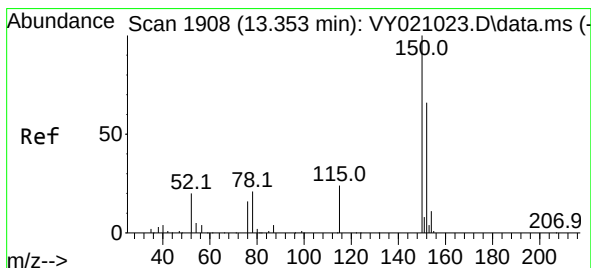
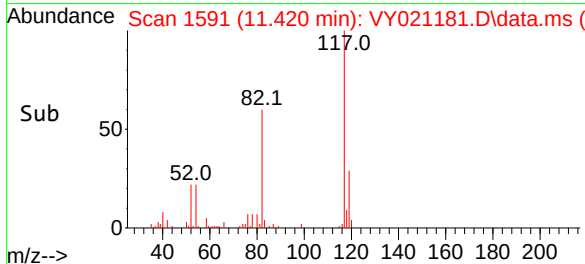
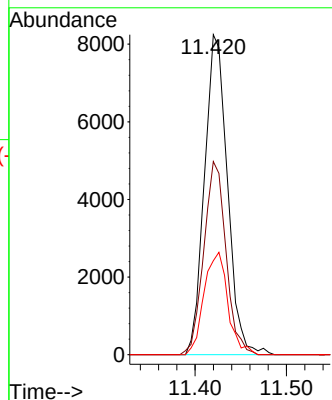
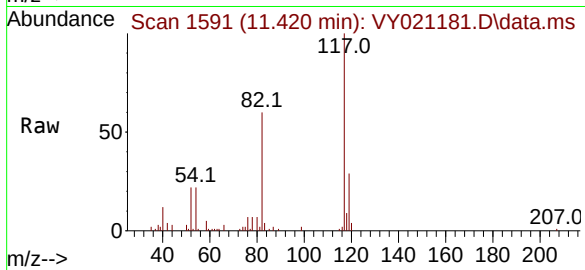
Tgt Ion:117 Resp: 14381

Ion Ratio Lower Upper

117 100

82 60.4 43.8 65.8

119 29.4 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021181.D

Acq: 12 Feb 2025 14:12

Tgt Ion:152 Resp: 3057

Ion Ratio Lower Upper

152 100

115 55.4 30.0 90.0

150 164.6 0.0 344.6

