

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023195.D
 Acq On : 22 Aug 2025 16:11
 Operator : SY/MD
 Sample : Q2917-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-082025

Quant Time: Aug 25 05:19:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	7152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	10601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	6232	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	1110	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	3607	52.917	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.840%
35) Dibromofluoromethane	7.646	113	3397	53.553	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.100%
50) Toluene-d8	10.109	98	11368	45.875	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.740%
62) 4-Bromofluorobenzene	12.408	95	1217	15.271	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	30.540%

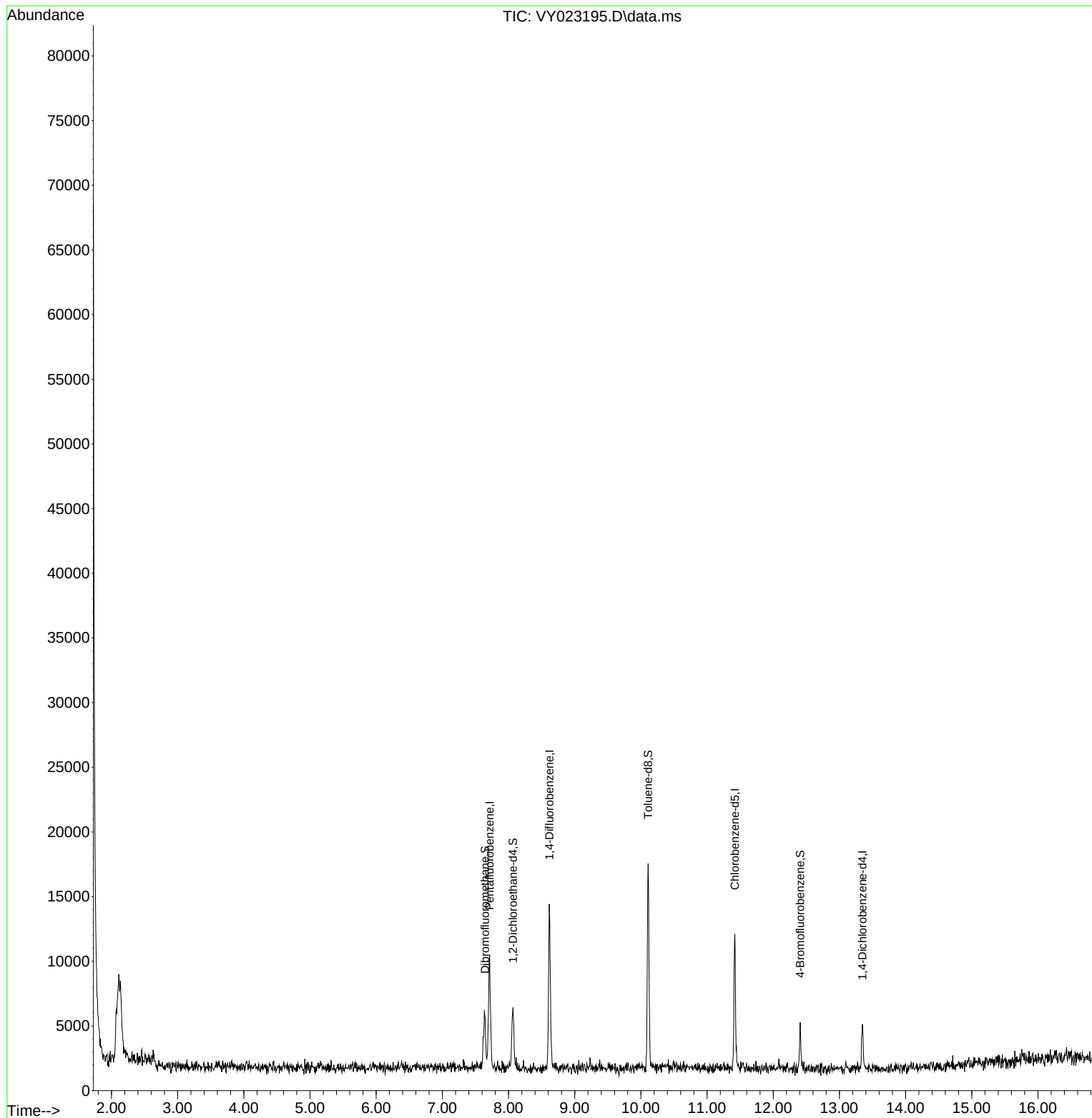
Target Compounds	Qvalue

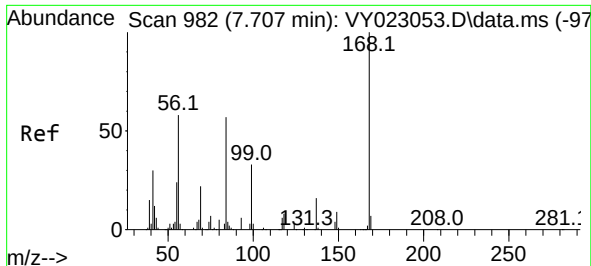
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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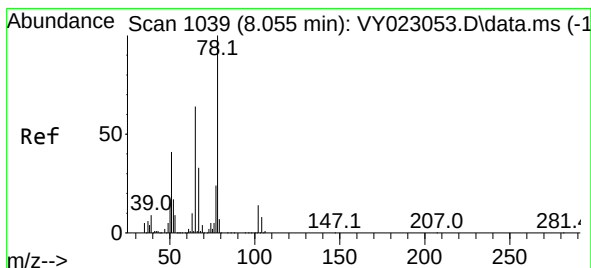
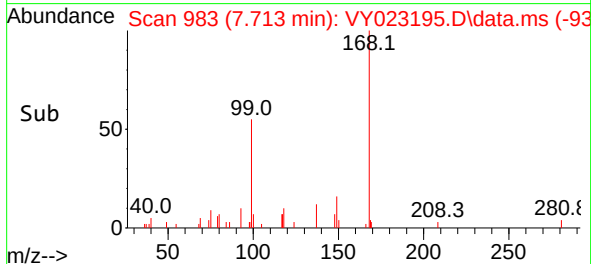
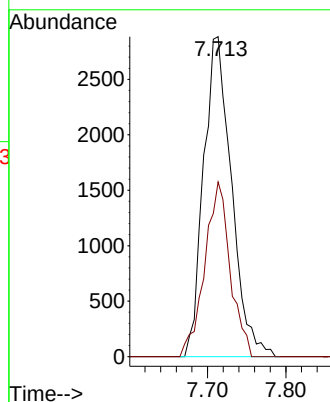
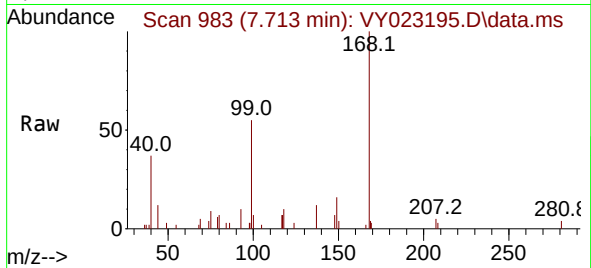




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023195.D
Acq: 22 Aug 2025 16:11

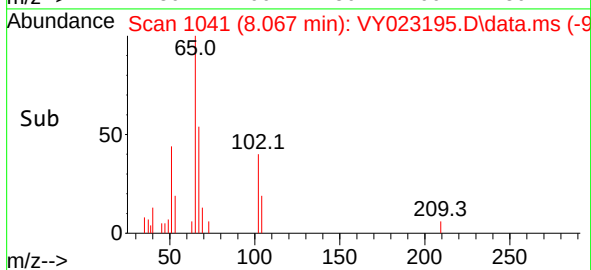
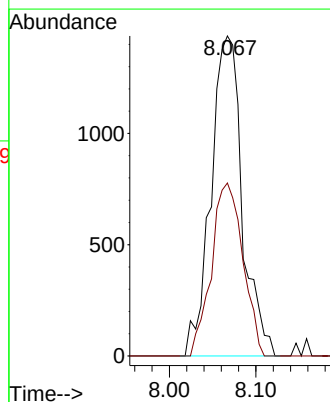
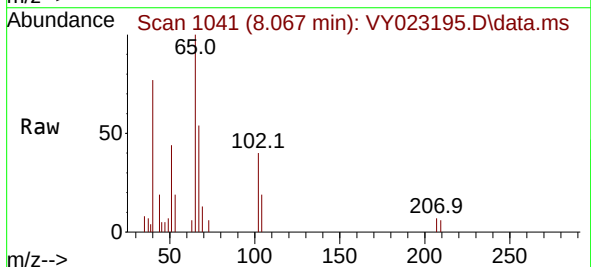
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-082025

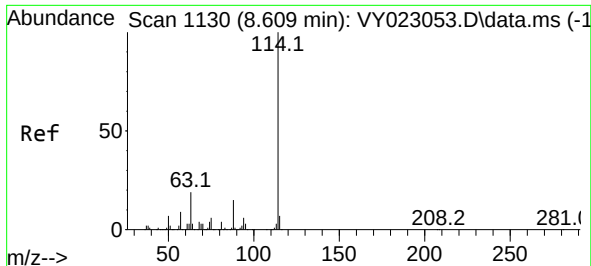
Tgt Ion:168 Resp: 7152
Ion Ratio Lower Upper
168 100
99 54.6 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 52.917 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023195.D
Acq: 22 Aug 2025 16:11

Tgt Ion: 65 Resp: 3607
Ion Ratio Lower Upper
65 100
67 54.3 0.0 106.8

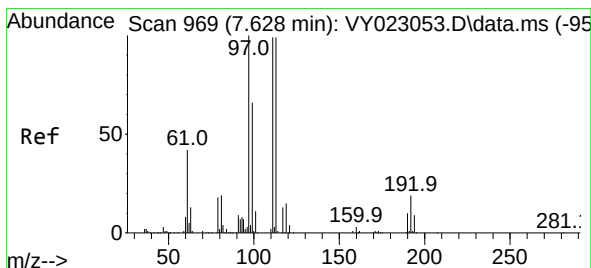
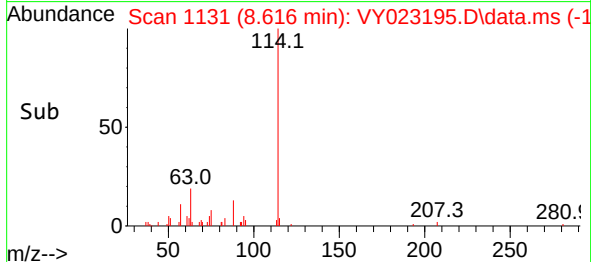
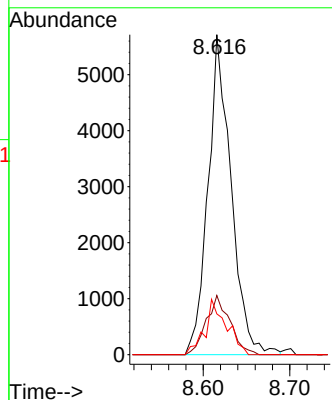
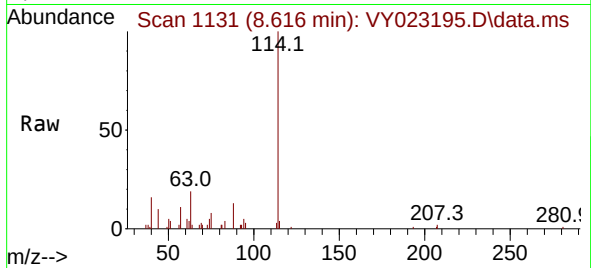




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023195.D
Acq: 22 Aug 2025 16:11

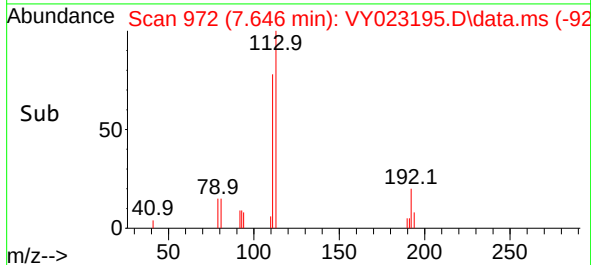
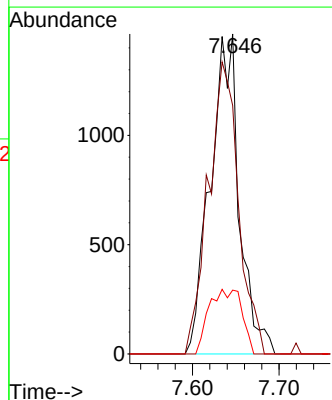
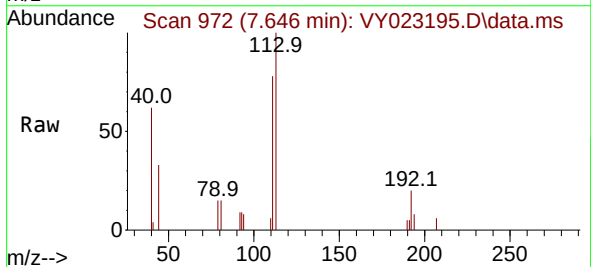
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-082025

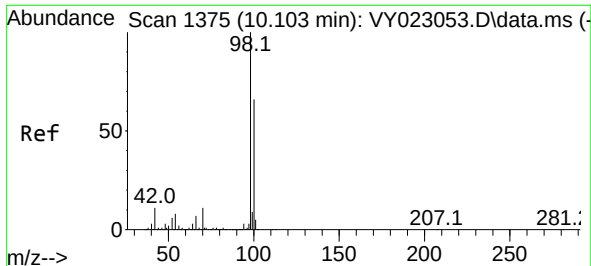
Tgt Ion:114 Resp: 10601
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 12.8 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.553 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.018 min
Lab File: VY023195.D
Acq: 22 Aug 2025 16:11

Tgt Ion:113 Resp: 3397
Ion Ratio Lower Upper
113 100
111 95.2 81.1 121.7
192 23.0 16.2 24.4

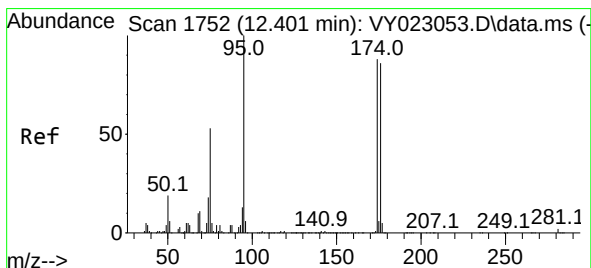
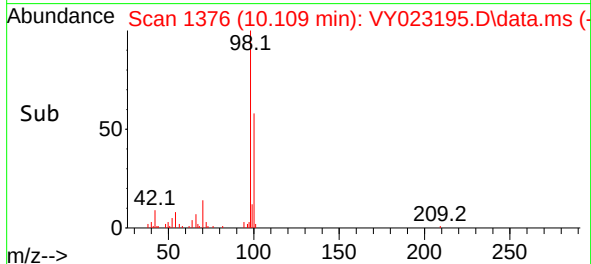
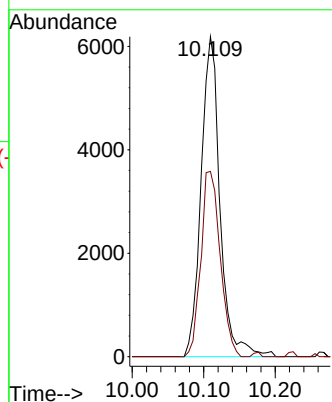
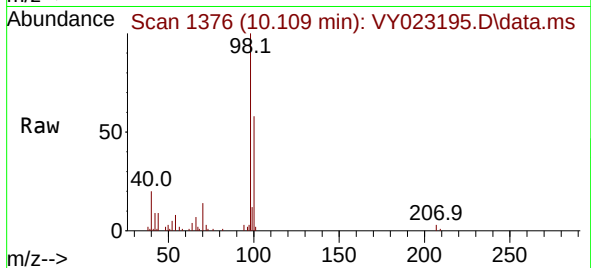




#50
Toluene-d8
Concen: 45.875 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023195.D
Acq: 22 Aug 2025 16:11

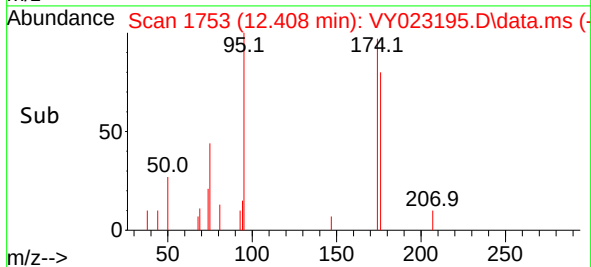
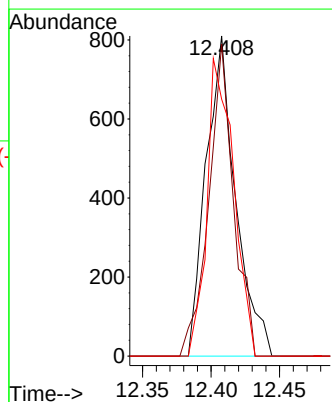
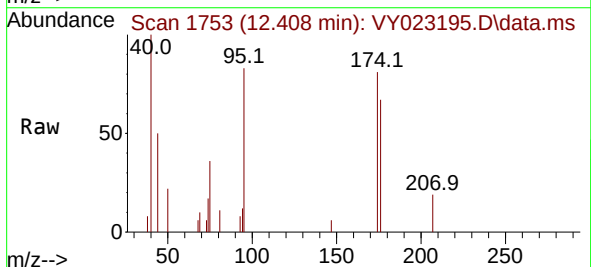
Instrument :
MSVOA_Y
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OR-02-082025

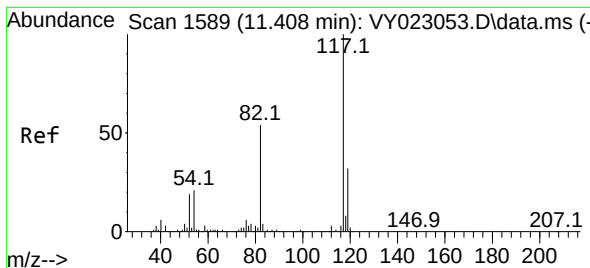
Tgt Ion: 98 Resp: 11368
Ion Ratio Lower Upper
98 100
100 59.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 15.271 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023195.D
Acq: 22 Aug 2025 16:11

Tgt Ion: 95 Resp: 1217
Ion Ratio Lower Upper
95 100
174 81.6 0.0 171.6
176 83.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023195.D

Acq: 22 Aug 2025 16:11

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-082025

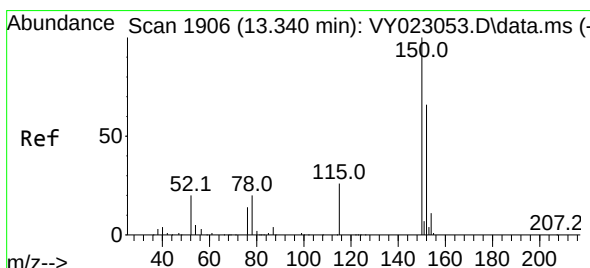
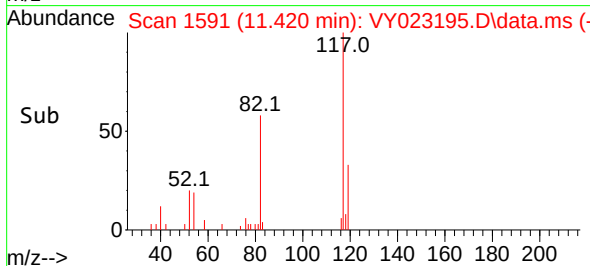
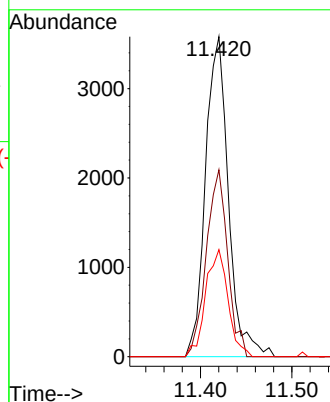
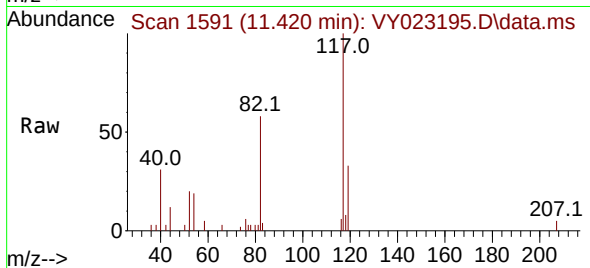
Tgt Ion:117 Resp: 6232

Ion Ratio Lower Upper

117 100

82 58.4 43.4 65.0

119 33.5 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023195.D

Acq: 22 Aug 2025 16:11

Tgt Ion:152 Resp: 1110

Ion Ratio Lower Upper

152 100

115 68.4 28.2 84.6

150 164.0 0.0 348.0

