

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
 Data File : VY023282.D
 Acq On : 04 Sep 2025 11:05
 Operator : SY/MD
 Sample : Q3009-01RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-090325RE

Quant Time: Sep 05 04:24:24 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	147128	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	235778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	196732	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	71551	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	72494	51.699	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.400%
35) Dibromofluoromethane	7.634	113	84441	59.852	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	119.700%
50) Toluene-d8	10.109	98	272966	49.527	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.060%
62) 4-Bromofluorobenzene	12.408	95	68523	38.659	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.320%

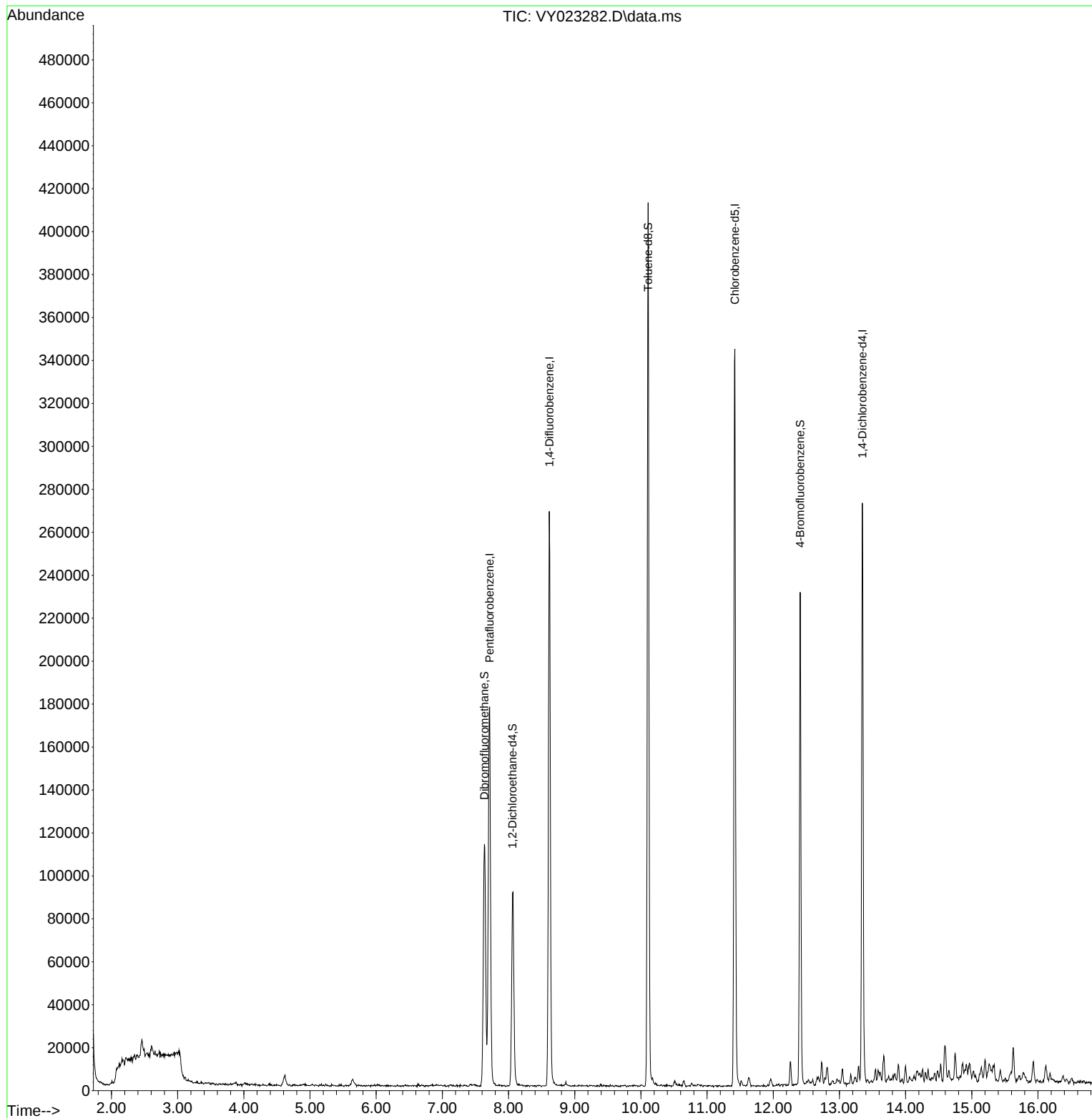
Target Compounds	Qvalue

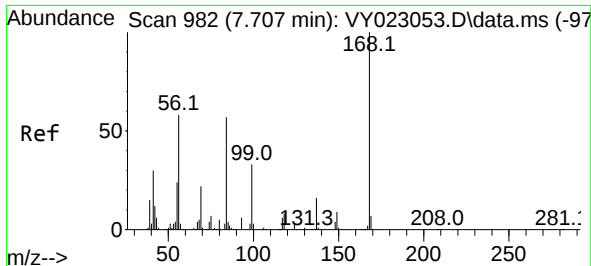
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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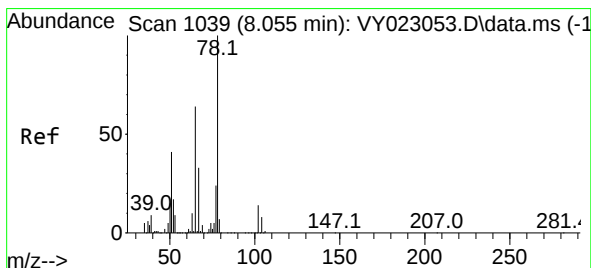
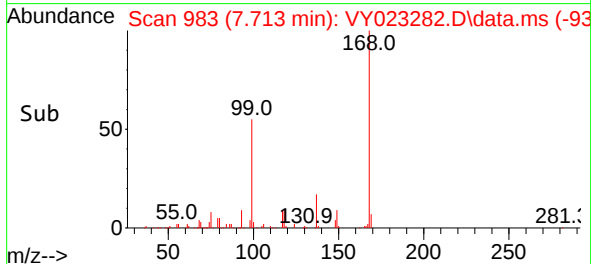
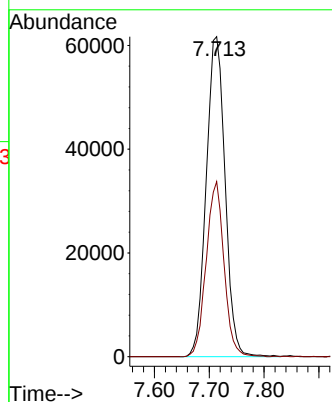
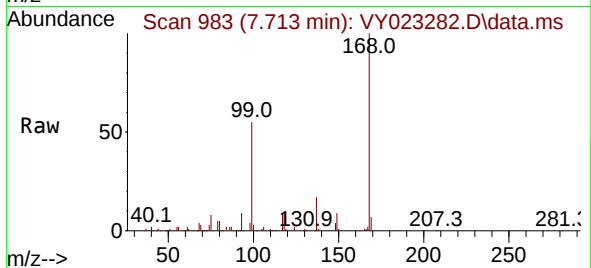




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023282.D
Acq: 04 Sep 2025 11:05

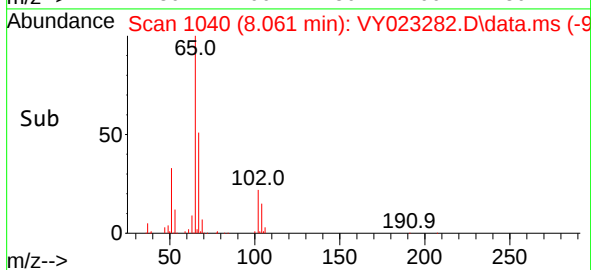
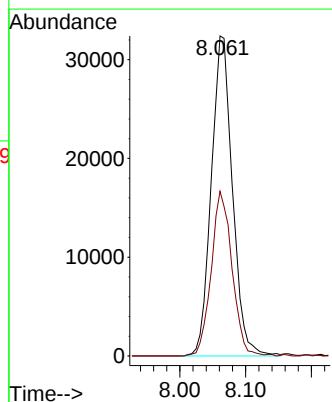
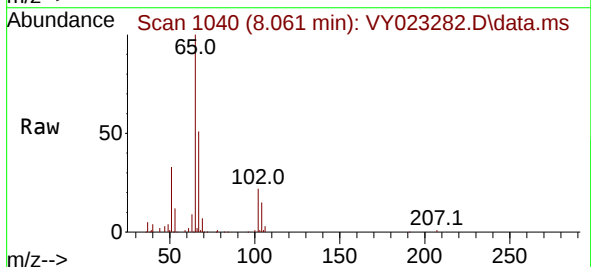
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-090325RE

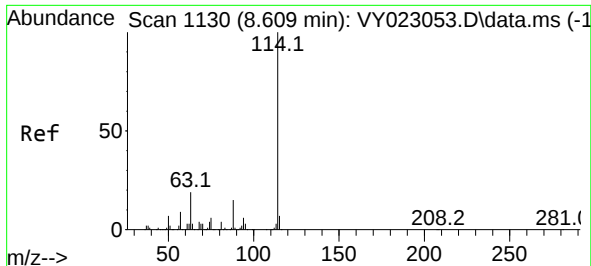
Tgt Ion:168 Resp: 147128
Ion Ratio Lower Upper
168 100
99 54.7 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 51.699 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023282.D
Acq: 04 Sep 2025 11:05

Tgt Ion: 65 Resp: 72494
Ion Ratio Lower Upper
65 100
67 50.7 0.0 106.8

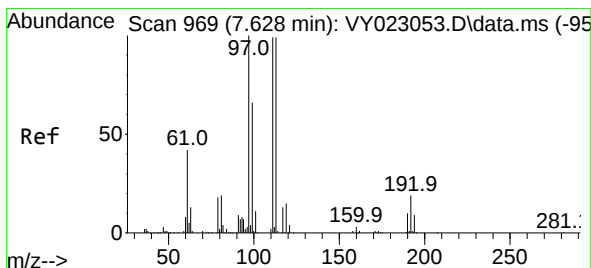
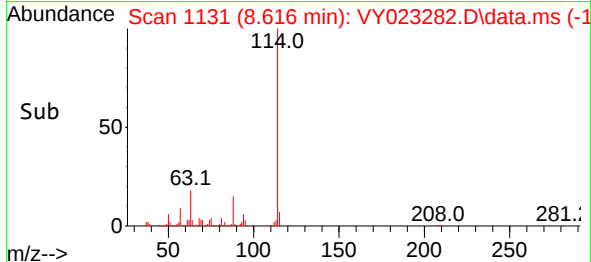
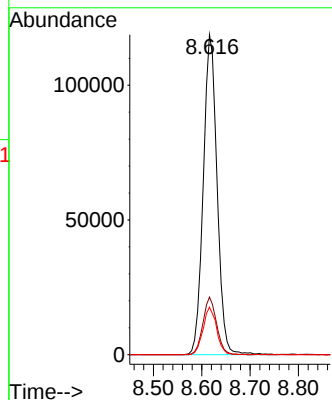
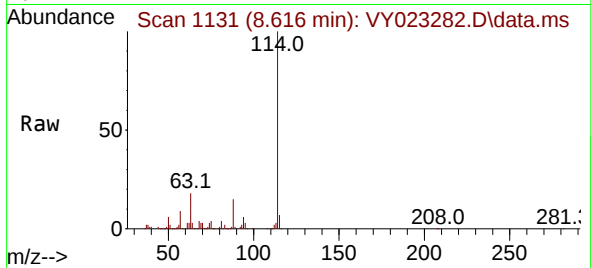




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023282.D
Acq: 04 Sep 2025 11:05

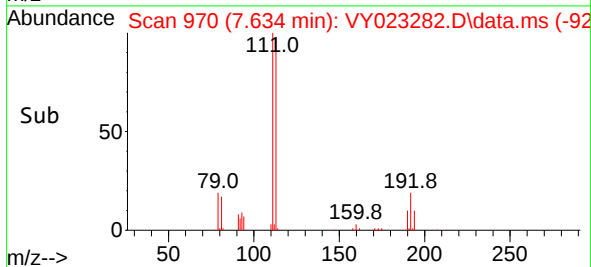
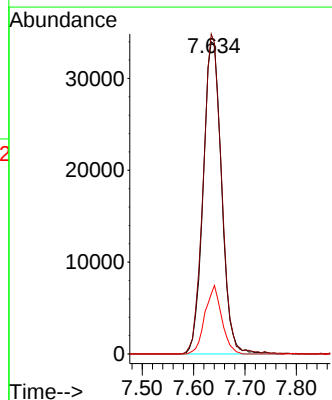
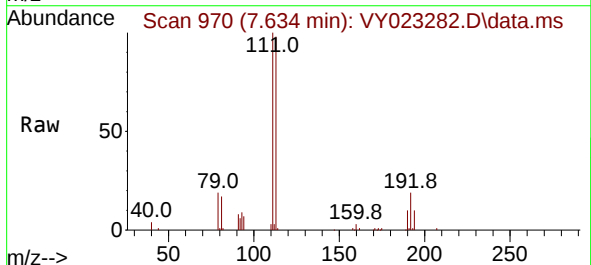
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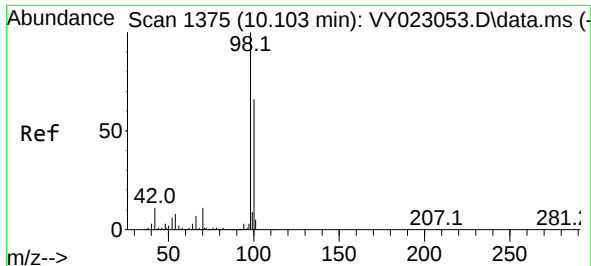
Tgt Ion:114 Resp: 235778
Ion Ratio Lower Upper
114 100
63 18.0 0.0 38.4
88 14.9 0.0 30.0



#35
Dibromofluoromethane
Concen: 59.852 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023282.D
Acq: 04 Sep 2025 11:05

Tgt Ion:113 Resp: 84441
Ion Ratio Lower Upper
113 100
111 101.8 81.1 121.7
192 20.0 16.2 24.4

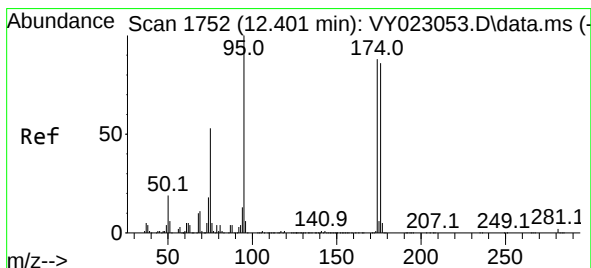
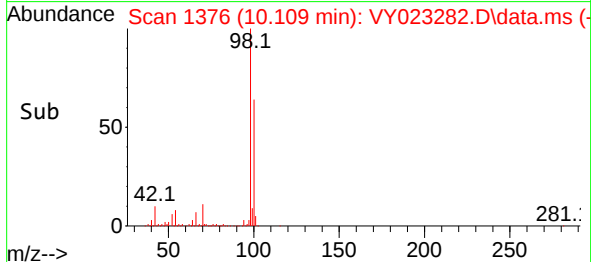
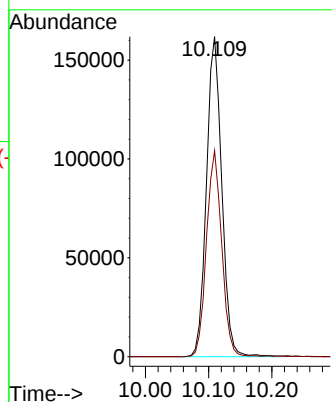
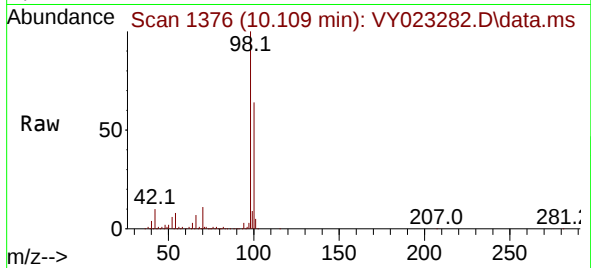




#50
Toluene-d8
Concen: 49.527 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023282.D
Acq: 04 Sep 2025 11:05

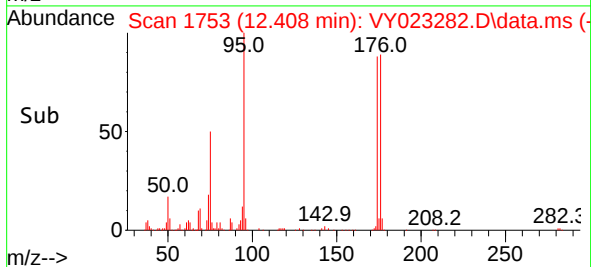
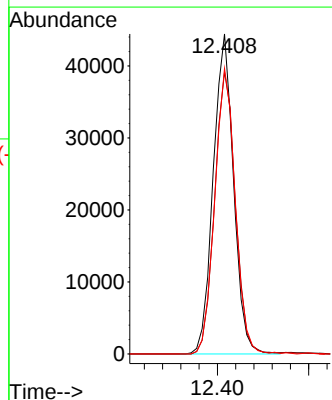
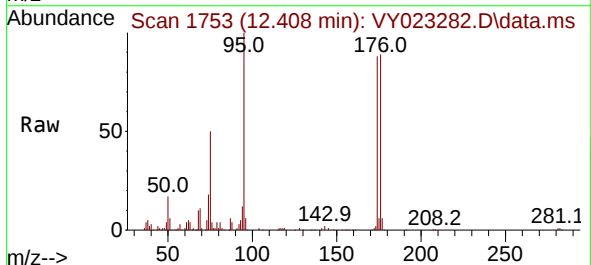
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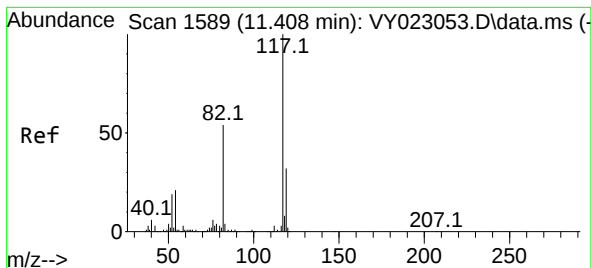
Tgt Ion: 98 Resp: 272966
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 38.659 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023282.D
Acq: 04 Sep 2025 11:05

Tgt Ion: 95 Resp: 68523
Ion Ratio Lower Upper
95 100
174 89.9 0.0 171.6
176 90.1 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: VY023282.D

Acq: 04 Sep 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-090325RE

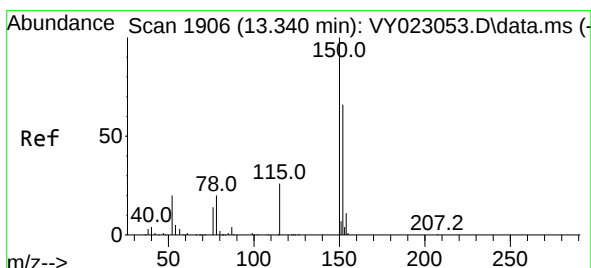
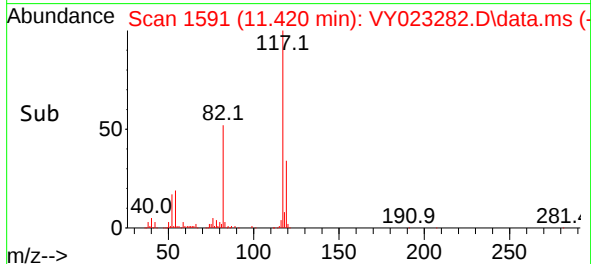
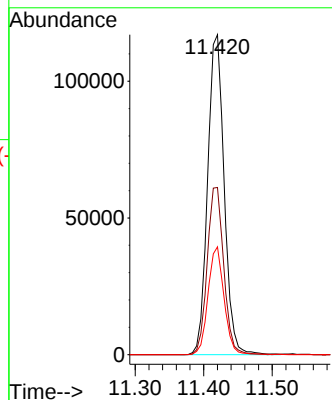
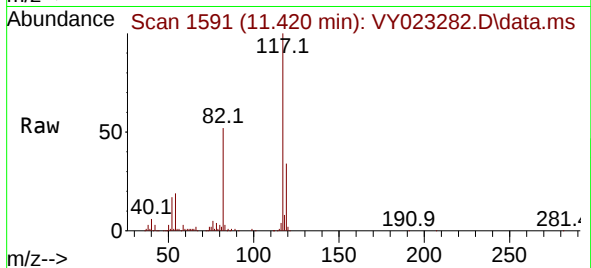
Tgt Ion:117 Resp: 196732

Ion Ratio Lower Upper

117 100

82 52.3 43.4 65.0

119 33.7 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: VY023282.D

Acq: 04 Sep 2025 11:05

Tgt Ion:152 Resp: 71551

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 155.8 0.0 348.0

