

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090325\
 Data File : VY023270.D
 Acq On : 03 Sep 2025 10:26
 Operator : SY/MD
 Sample : VY0903SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0903SBL01

Quant Time: Sep 04 01:14:40 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	630088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1178711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1068535	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	421744	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	319130	53.143	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.280%
35) Dibromofluoromethane	7.640	113	375113	53.185	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.360%
50) Toluene-d8	10.109	98	1394949	50.627	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.260%
62) 4-Bromofluorobenzene	12.408	95	411547	46.444	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.880%

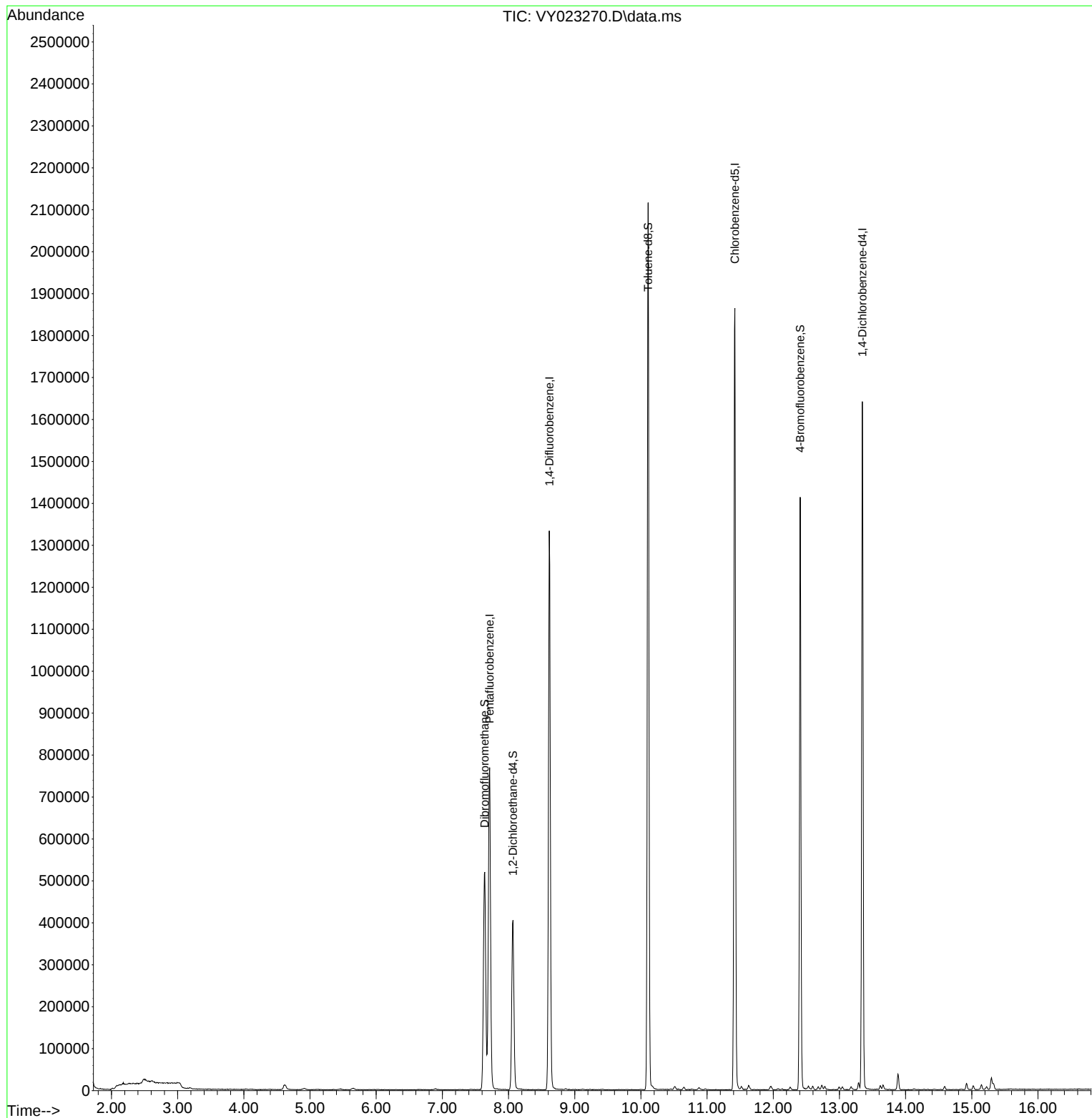
Target Compounds	Qvalue

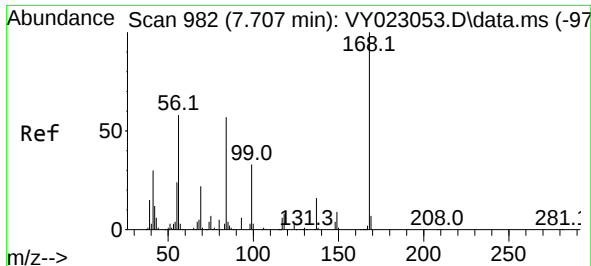
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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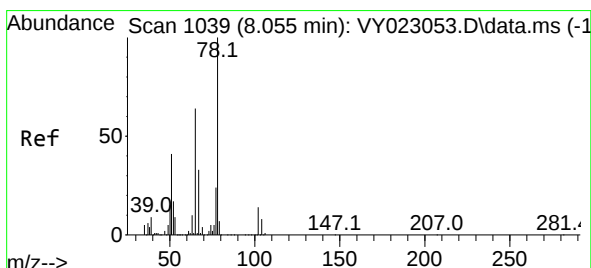
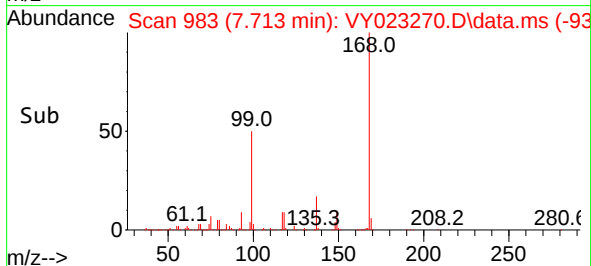
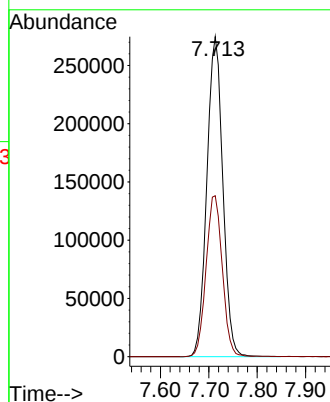
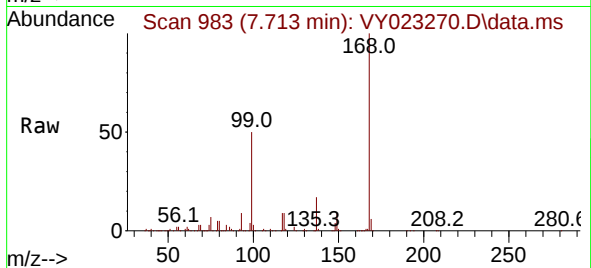




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023270.D
Acq: 03 Sep 2025 10:26

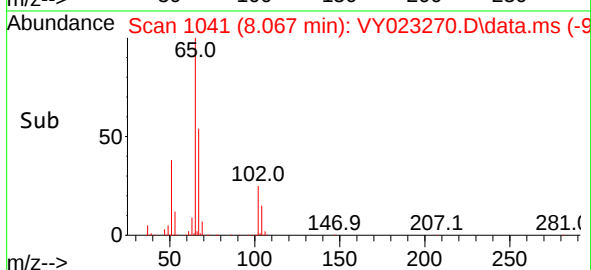
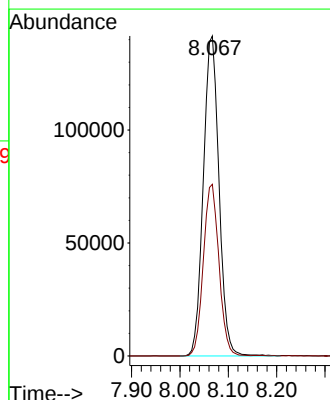
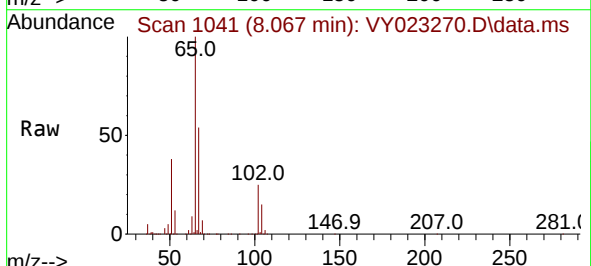
Instrument :
MSVOA_Y
ClientSampleId :
VY0903SBL01

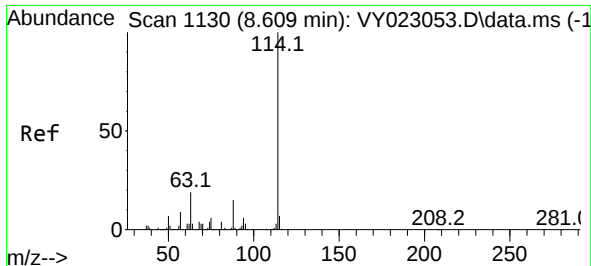
Tgt Ion:168 Resp: 630088
Ion Ratio Lower Upper
168 100
99 50.3 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 53.143 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023270.D
Acq: 03 Sep 2025 10:26

Tgt Ion: 65 Resp: 319130
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8

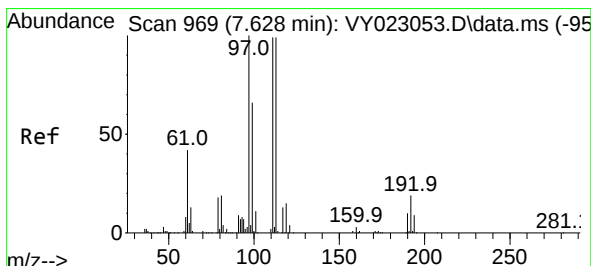
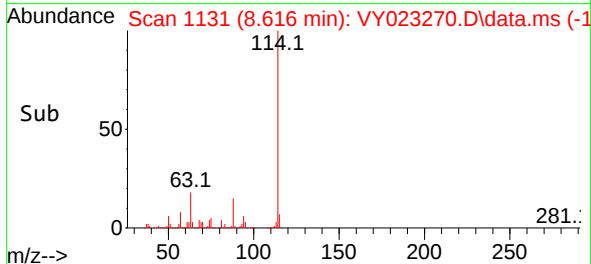
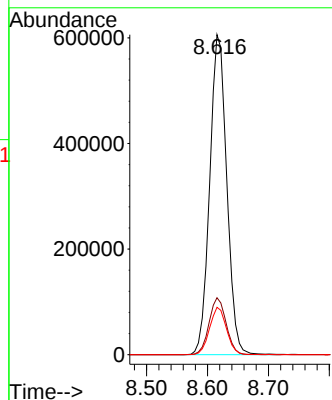
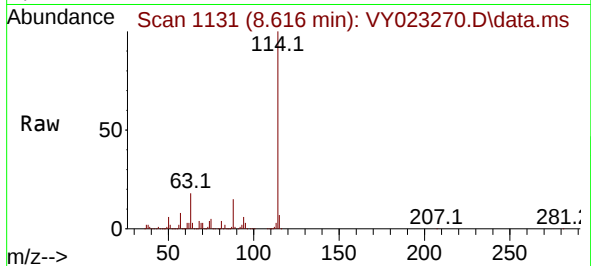




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023270.D
Acq: 03 Sep 2025 10:26

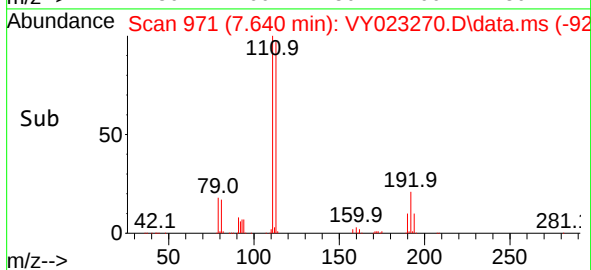
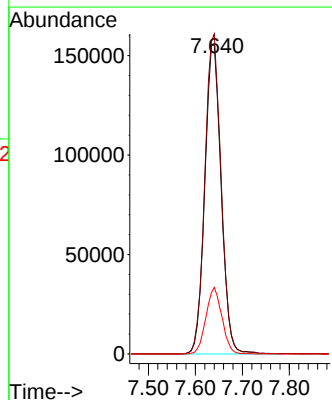
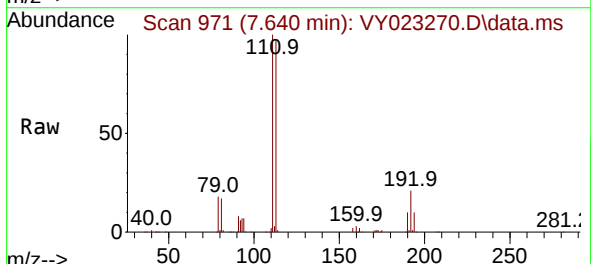
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ClientSampleId :
VY0903SBL01

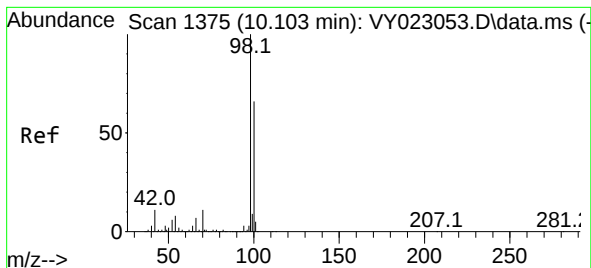
Tgt Ion:114 Resp: 1178711
Ion Ratio Lower Upper
114 100
63 17.8 0.0 38.4
88 14.8 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.185 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023270.D
Acq: 03 Sep 2025 10:26

Tgt Ion:113 Resp: 375113
Ion Ratio Lower Upper
113 100
111 103.1 81.1 121.7
192 21.1 16.2 24.4

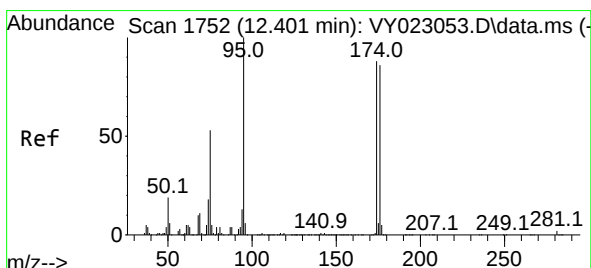
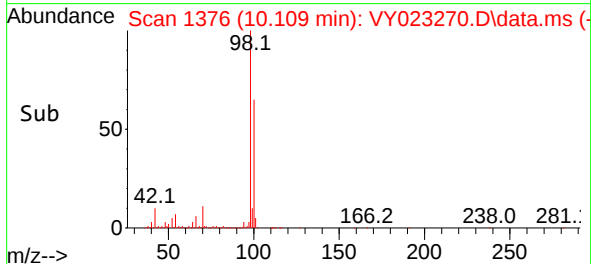
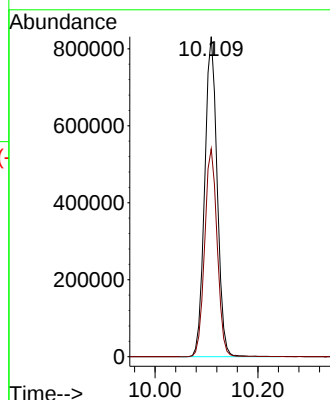
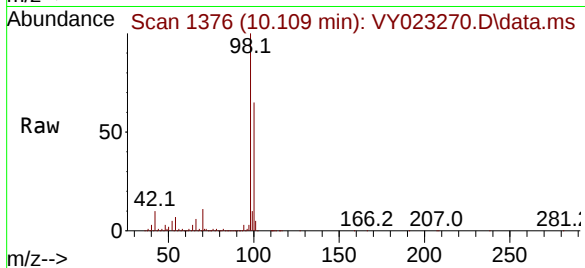




#50
Toluene-d8
Concen: 50.627 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023270.D
Acq: 03 Sep 2025 10:26

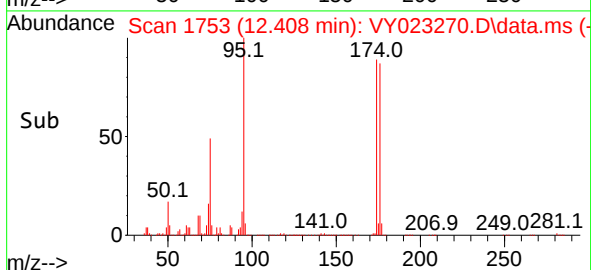
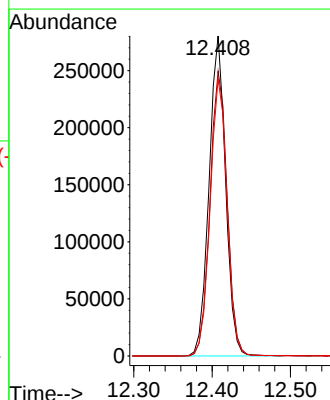
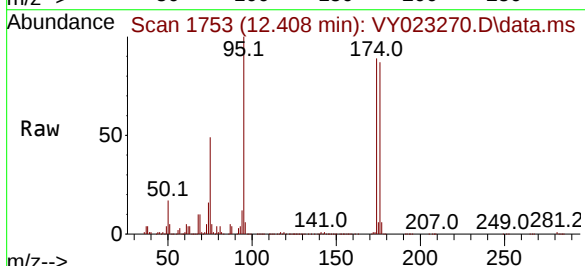
Instrument :
MSVOA_Y
ClientSampleId :
VY0903SBL01

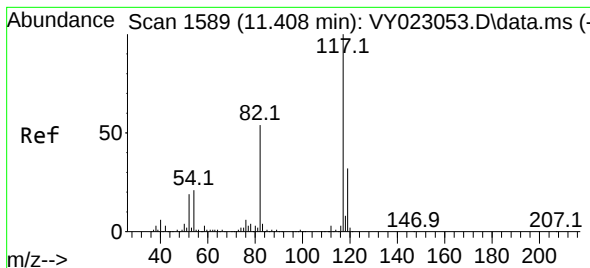
Tgt Ion: 98 Resp: 1394949
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.444 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023270.D
Acq: 03 Sep 2025 10:26

Tgt Ion: 95 Resp: 411547
Ion Ratio Lower Upper
95 100
174 92.3 0.0 171.6
176 88.8 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: VY023270.D

Acq: 03 Sep 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0903SBL01

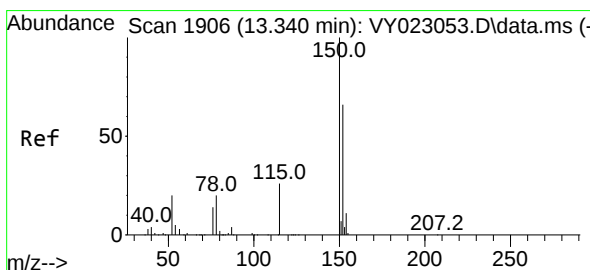
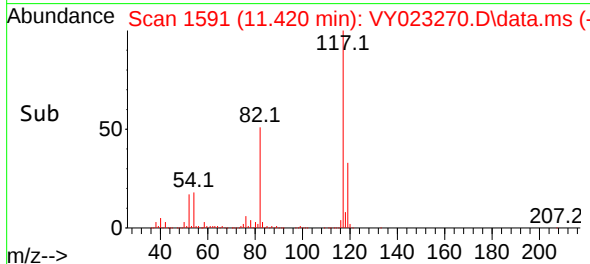
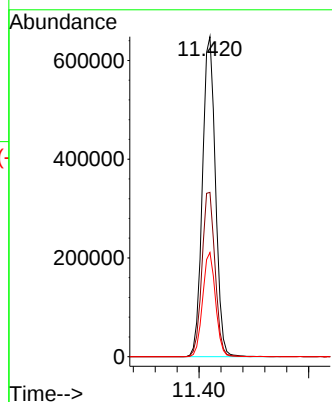
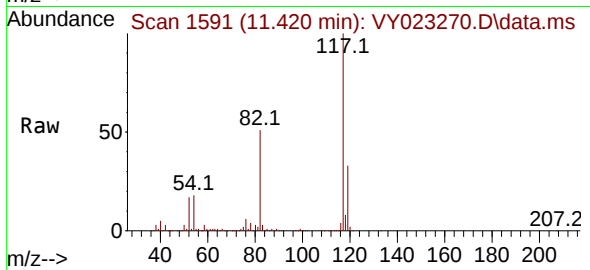
Tgt Ion:117 Resp: 1068535

Ion Ratio Lower Upper

117 100

82 51.3 43.4 65.0

119 32.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023270.D

Acq: 03 Sep 2025 10:26

Tgt Ion:152 Resp: 421744

Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.6

150 156.1 0.0 348.0

