

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023944.D
 Acq On : 11 Dec 2025 10:45
 Operator : SY/MD
 Sample : Q3821-01
 Misc : 4.21g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-A-B

Quant Time: Dec 12 03:19:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	721130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1236556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1040637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	429732	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	337105	52.872	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.740%
35) Dibromofluoromethane	7.640	113	383187	47.405	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.820%
50) Toluene-d8	10.109	98	1406602	46.739	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.480%
62) 4-Bromofluorobenzene	12.408	95	409566	40.751	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.500%

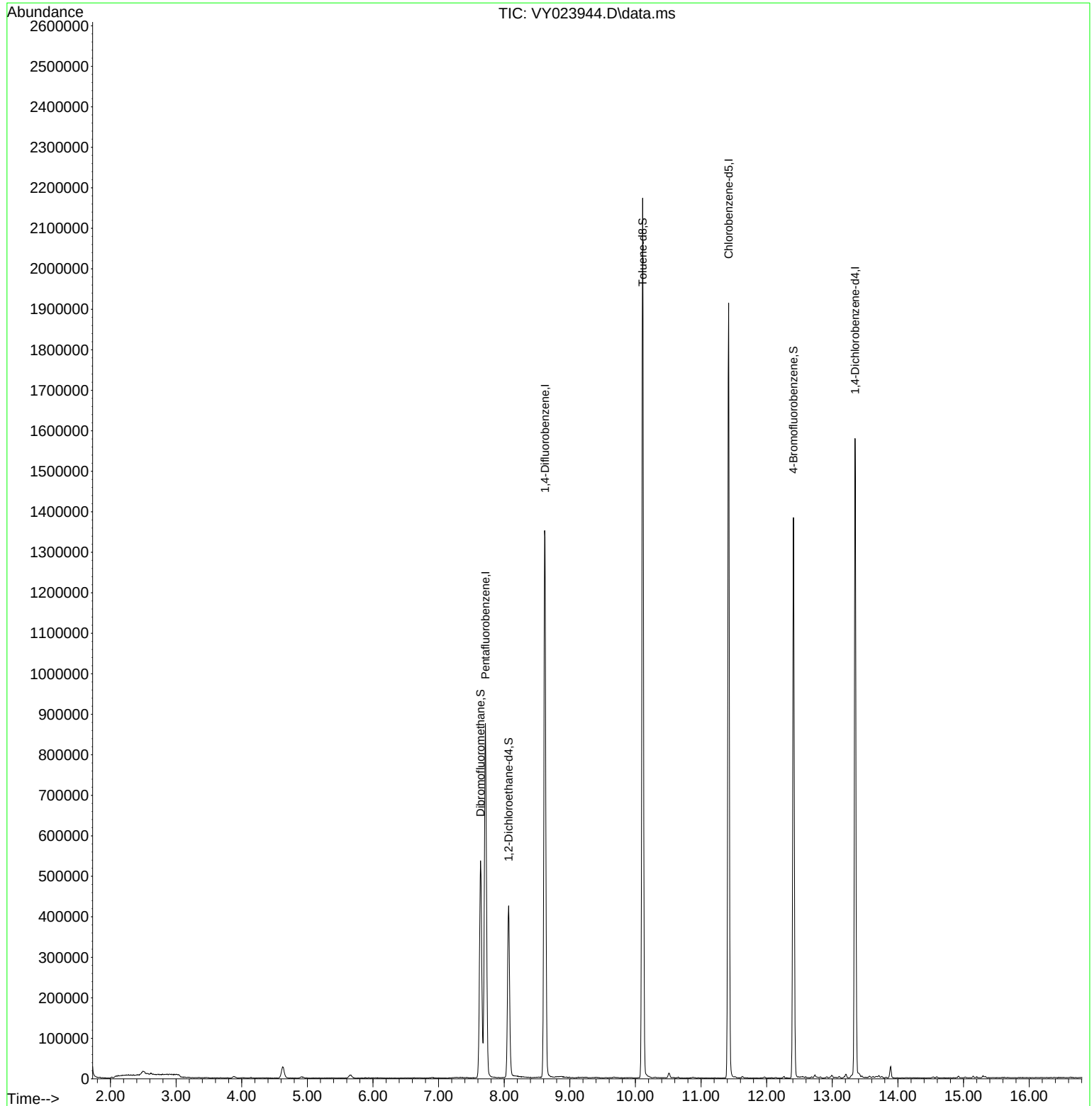
Target Compounds	Qvalue

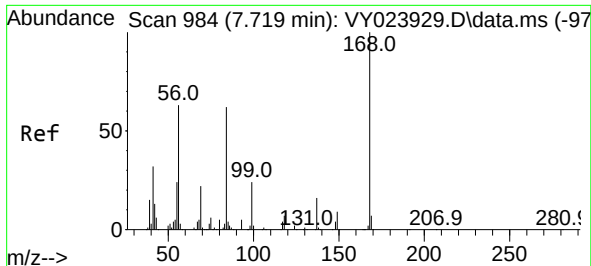
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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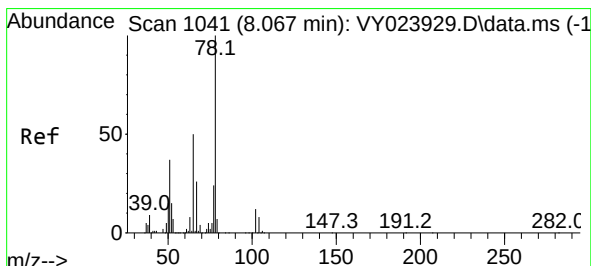
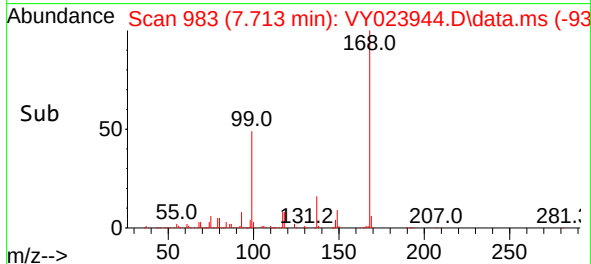
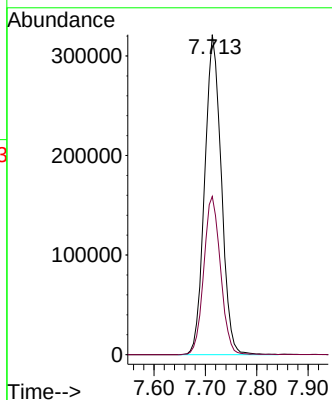
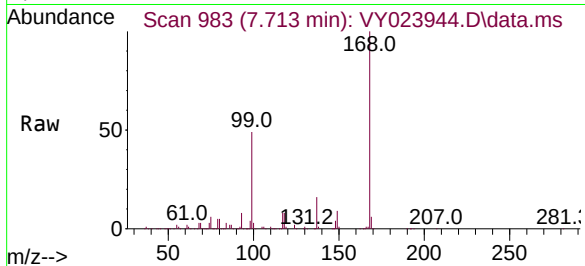




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 984
Delta R.T. -0.006 min
Lab File: VY023944.D
Acq: 11 Dec 2025 10:45

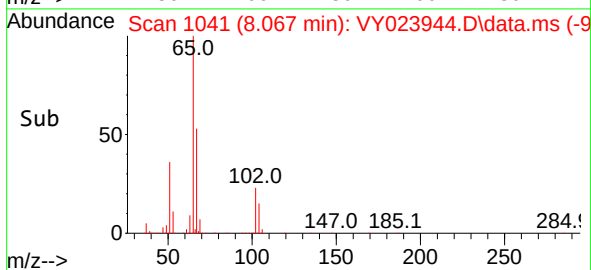
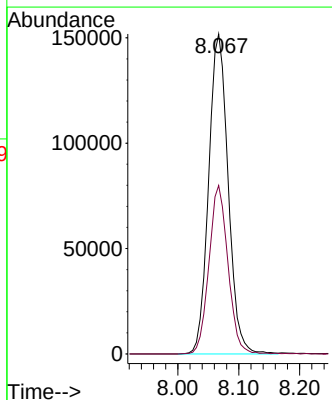
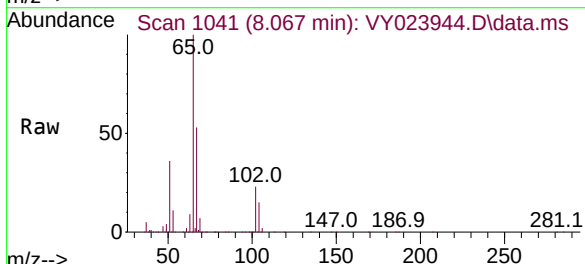
Instrument :
MSVOA_Y
ClientSampleId :
TP-A-B

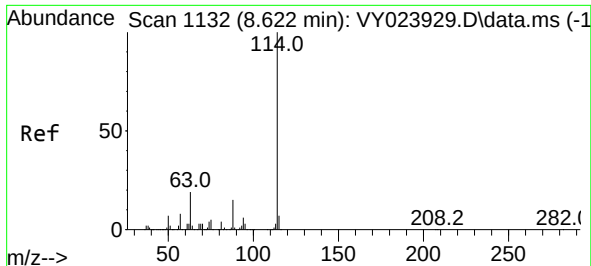
Tgt Ion:168 Resp: 721130
Ion Ratio Lower Upper
168 100
99 49.4 38.9 58.3



#33
1,2-Dichloroethane-d4
Concen: 52.872 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY023944.D
Acq: 11 Dec 2025 10:45

Tgt Ion: 65 Resp: 337105
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.2

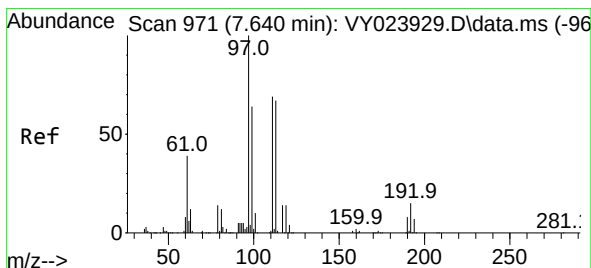
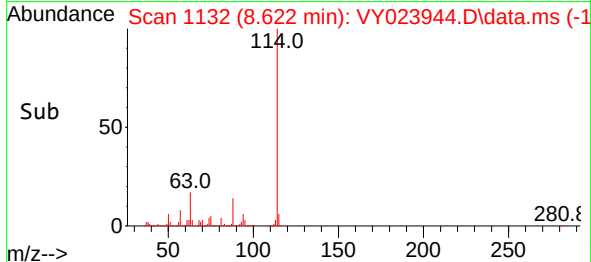
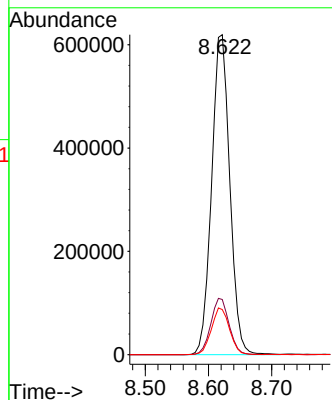
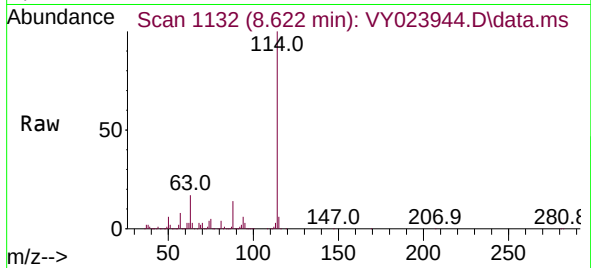




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY023944.D
Acq: 11 Dec 2025 10:45

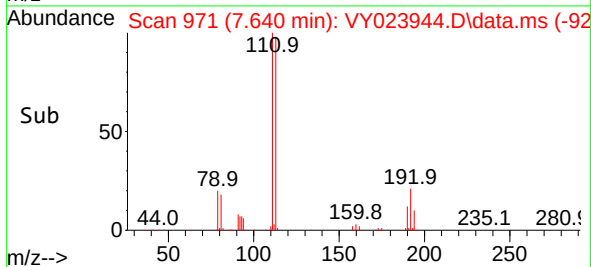
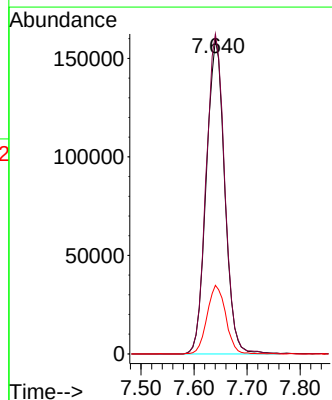
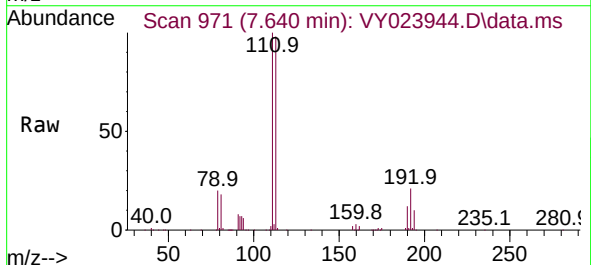
Instrument :
MSVOA_Y
ClientSampleId :
TP-A-B

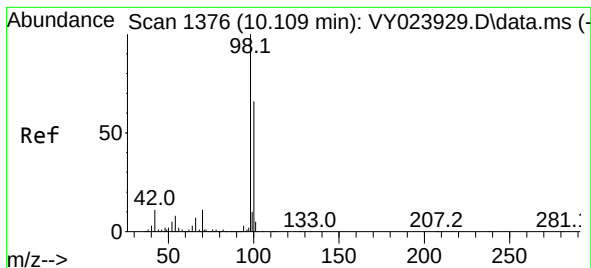
Tgt Ion:114 Resp: 1236556
Ion Ratio Lower Upper
114 100
63 17.2 0.0 37.2
88 14.1 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.405 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY023944.D
Acq: 11 Dec 2025 10:45

Tgt Ion:113 Resp: 383187
Ion Ratio Lower Upper
113 100
111 102.6 82.4 123.6
192 22.1 17.9 26.9





#50

Toluene-d8

Concen: 46.739 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023944.D

Acq: 11 Dec 2025 10:45

Instrument :

MSVOA_Y

ClientSampleId :

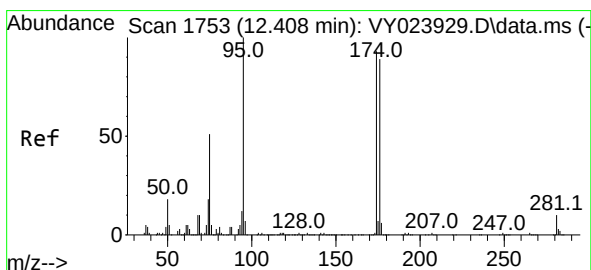
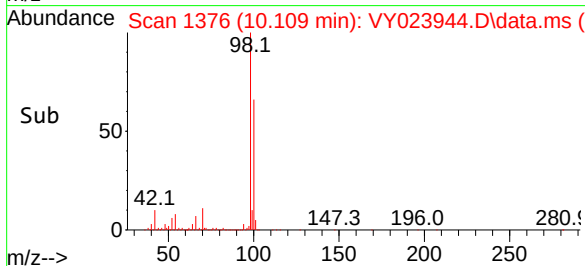
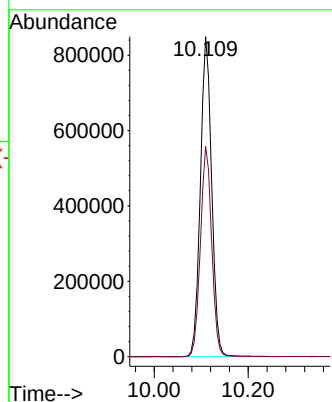
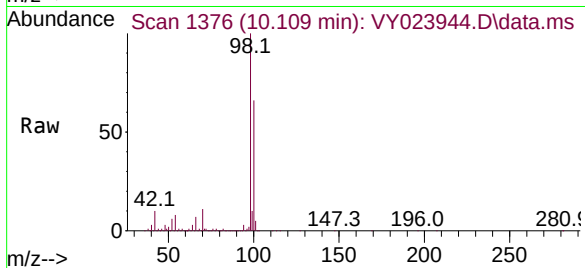
TP-A-B

Tgt Ion: 98 Resp: 1406602

Ion Ratio Lower Upper

98 100

100 65.4 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 40.751 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY023944.D

Acq: 11 Dec 2025 10:45

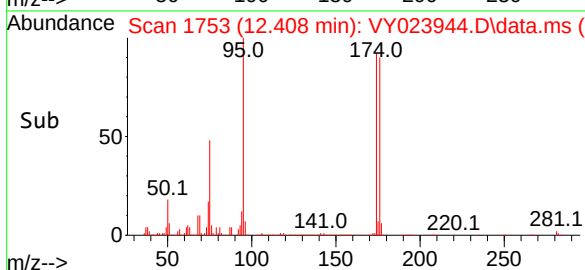
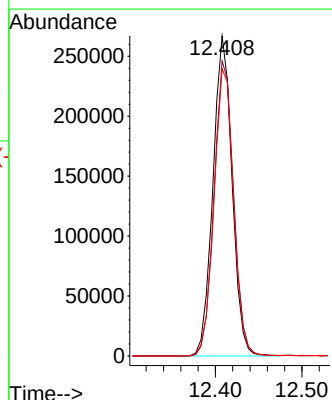
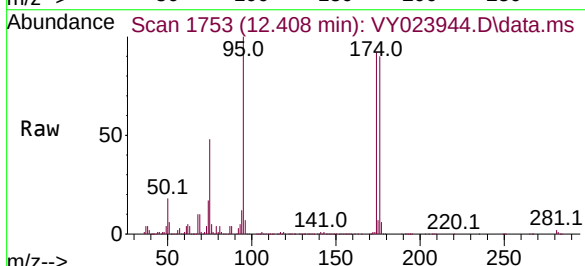
Tgt Ion: 95 Resp: 409566

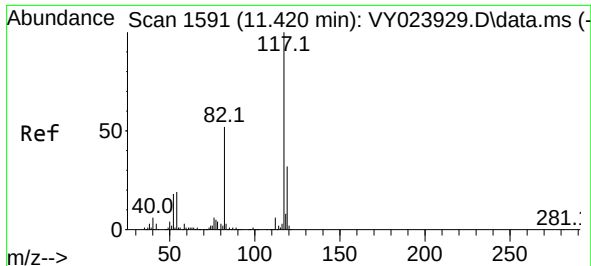
Ion Ratio Lower Upper

95 100

174 94.3 0.0 187.4

176 91.7 0.0 179.6

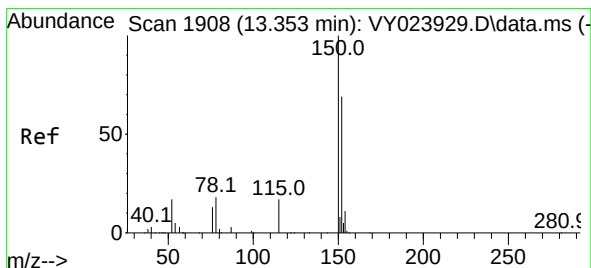
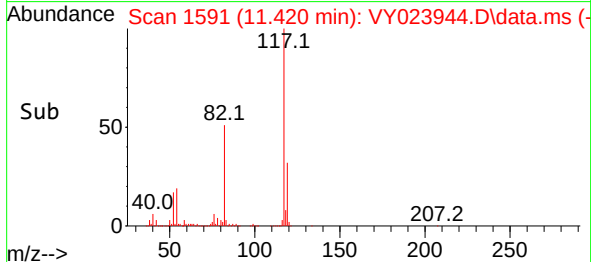
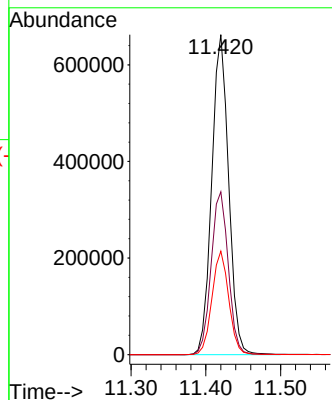
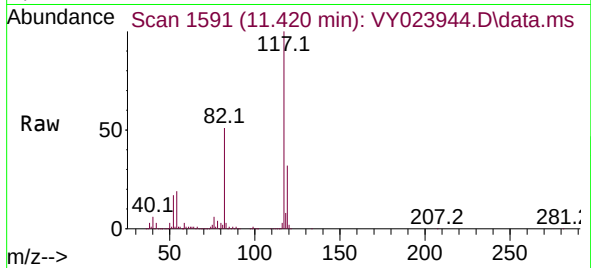




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023944.D
Acq: 11 Dec 2025 10:45

Instrument :
MSVOA_Y
ClientSampleId :
TP-A-B

Tgt Ion:117 Resp: 1040637
Ion Ratio Lower Upper
117 100
82 50.9 41.4 62.2
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY023944.D
Acq: 11 Dec 2025 10:45

Tgt Ion:152 Resp: 429732
Ion Ratio Lower Upper
152 100
115 54.2 27.3 81.9
150 156.1 0.0 347.6

