

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023946.D
 Acq On : 11 Dec 2025 11:32
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Dec 12 03:20:30 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	739228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1279001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1094045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	459593	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	374260	57.263	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.520%
35) Dibromofluoromethane	7.640	113	404097	48.333	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.660%
50) Toluene-d8	10.109	98	1457478	46.822	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.640%
62) 4-Bromofluorobenzene	12.408	95	438843	42.215	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.440%

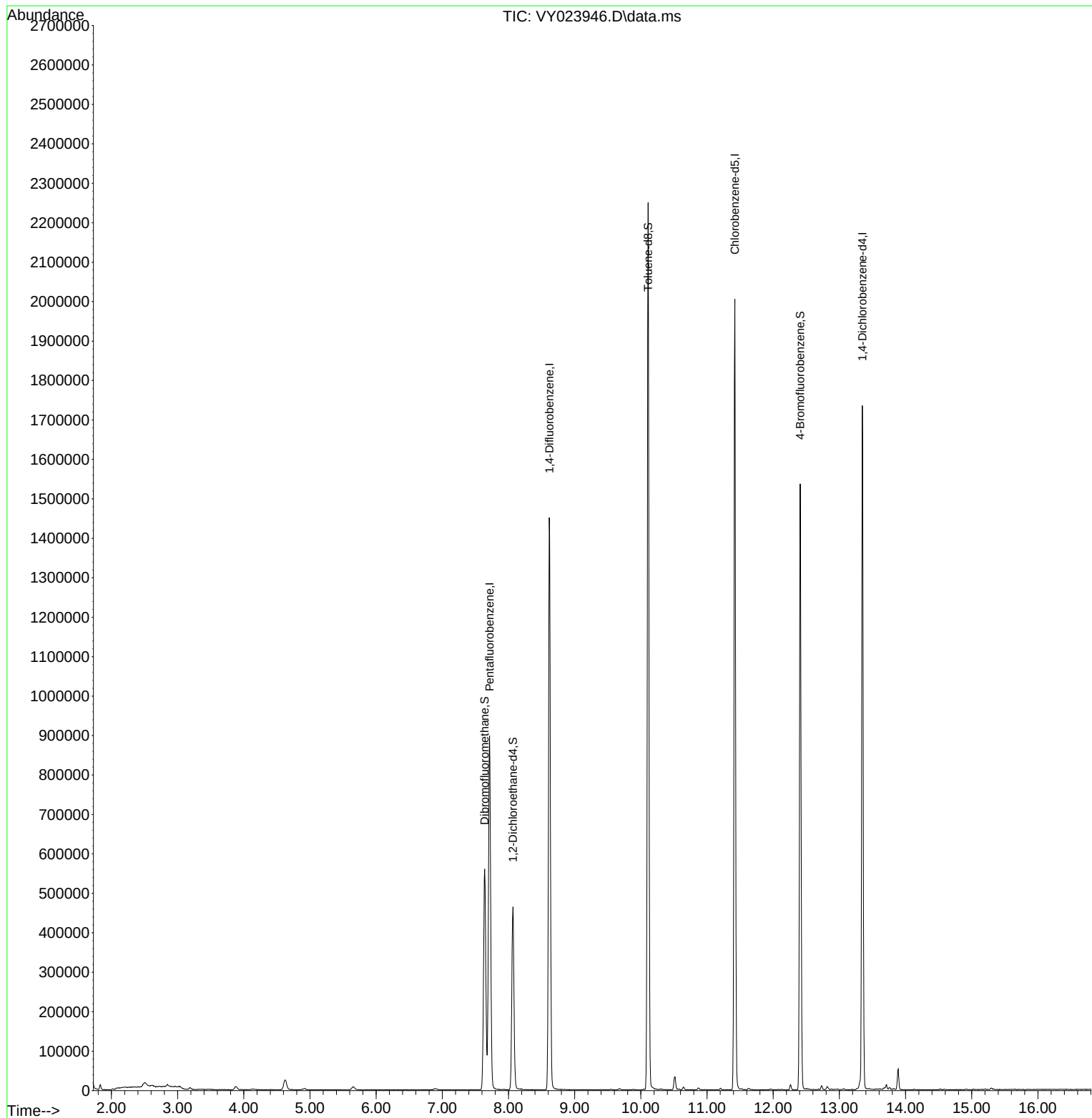
Target Compounds	Qvalue

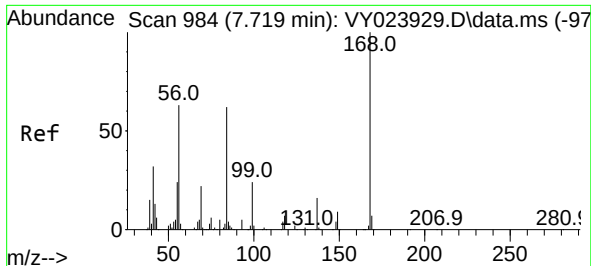
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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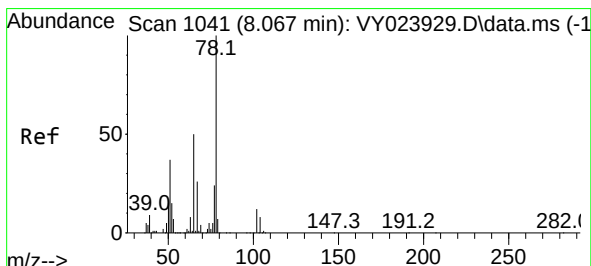
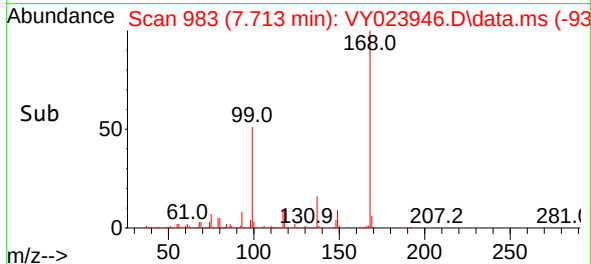
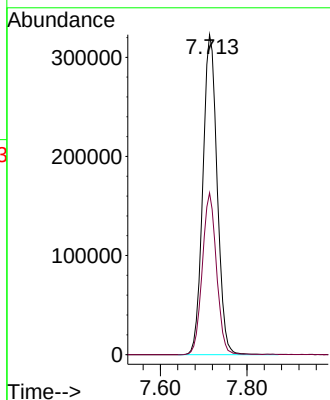
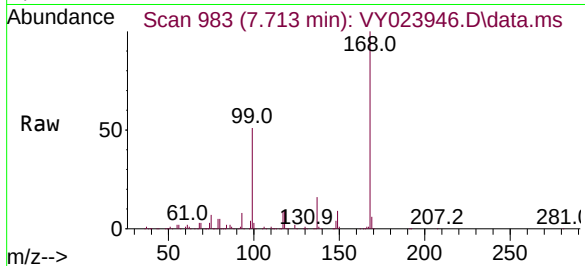




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 984
Delta R.T. -0.006 min
Lab File: VY023946.D
Acq: 11 Dec 2025 11:32

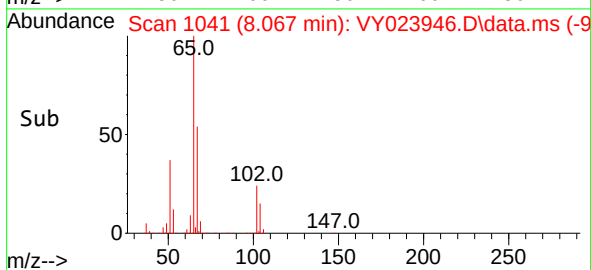
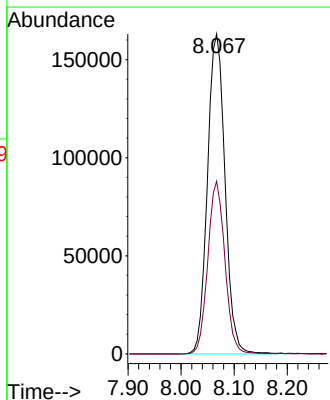
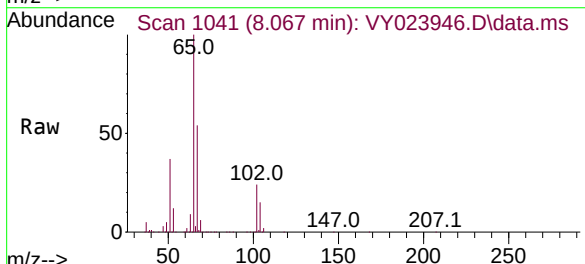
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

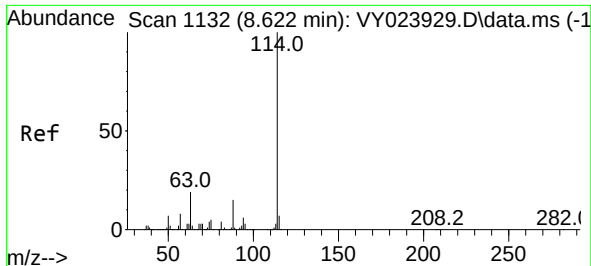
Tgt Ion:168 Resp: 739228
Ion Ratio Lower Upper
168 100
99 50.5 38.9 58.3



#33
1,2-Dichloroethane-d4
Concen: 57.263 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY023946.D
Acq: 11 Dec 2025 11:32

Tgt Ion: 65 Resp: 374260
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.2

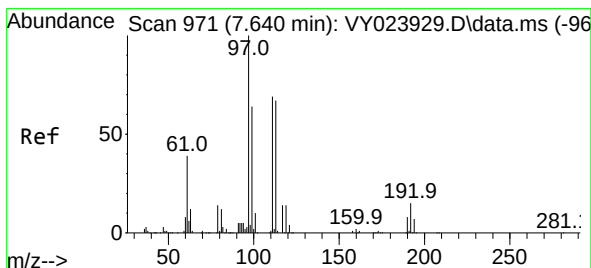
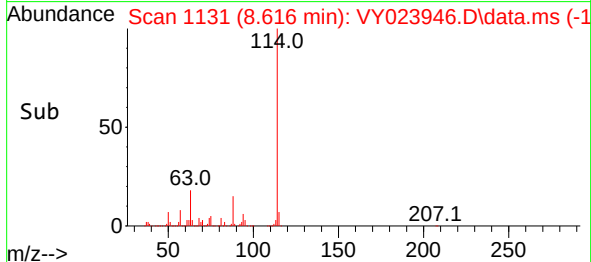
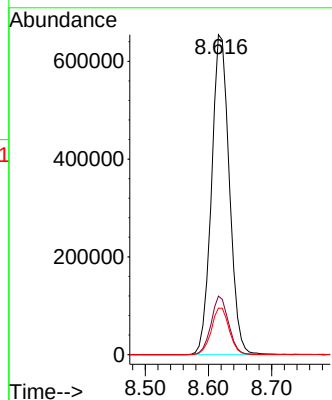
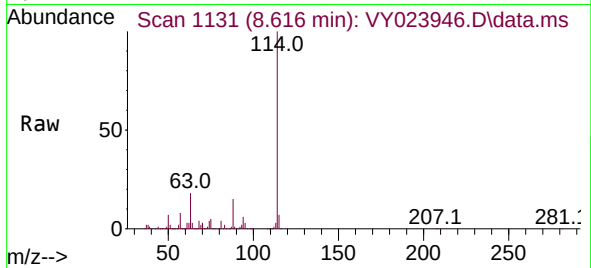




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY023946.D
Acq: 11 Dec 2025 11:32

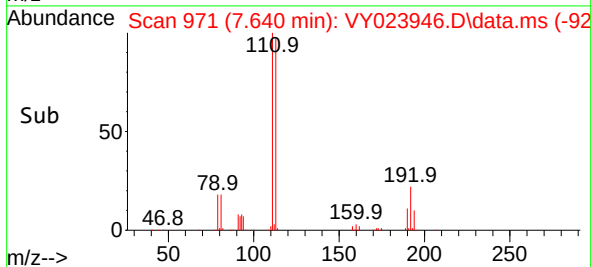
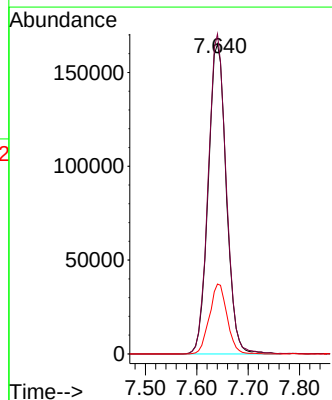
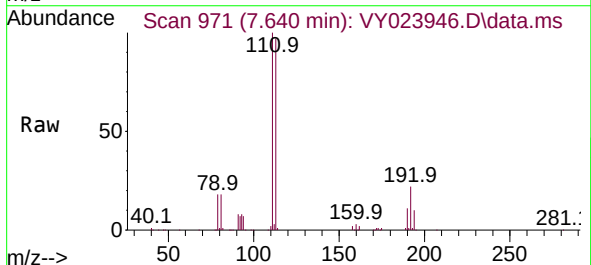
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

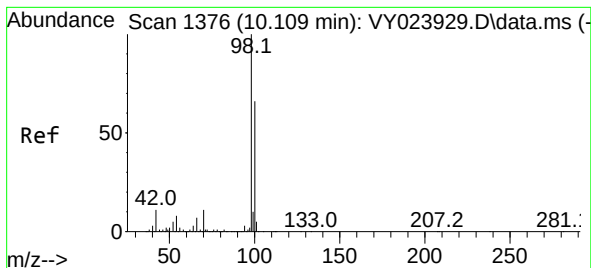
Tgt Ion:114 Resp: 1279001
Ion Ratio Lower Upper
114 100
63 18.3 0.0 37.2
88 14.5 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.333 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY023946.D
Acq: 11 Dec 2025 11:32

Tgt Ion:113 Resp: 404097
Ion Ratio Lower Upper
113 100
111 102.3 82.4 123.6
192 21.9 17.9 26.9





#50

Toluene-d8

Concen: 46.822 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023946.D

Acq: 11 Dec 2025 11:32

Instrument :

MSVOA_Y

ClientSampleId :

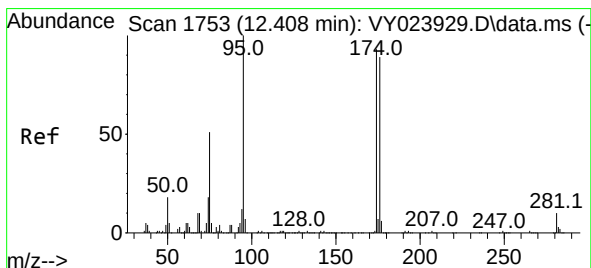
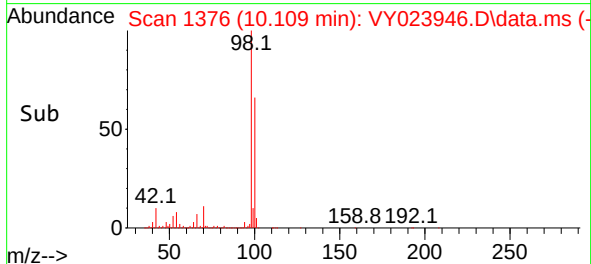
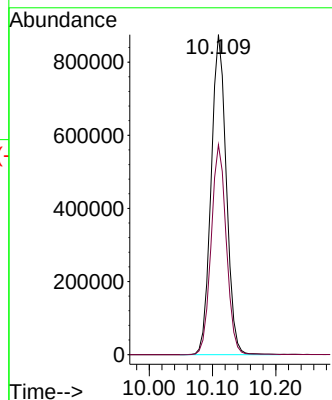
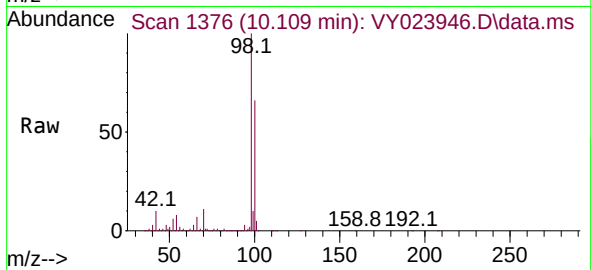
VIBLK

Tgt Ion: 98 Resp: 1457478

Ion Ratio Lower Upper

98 100

100 65.4 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 42.215 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY023946.D

Acq: 11 Dec 2025 11:32

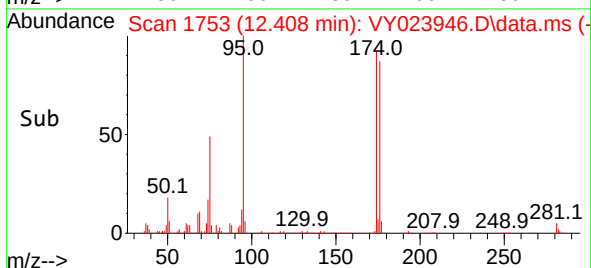
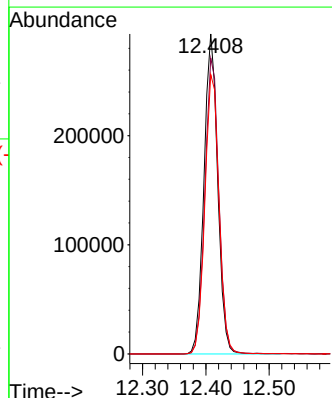
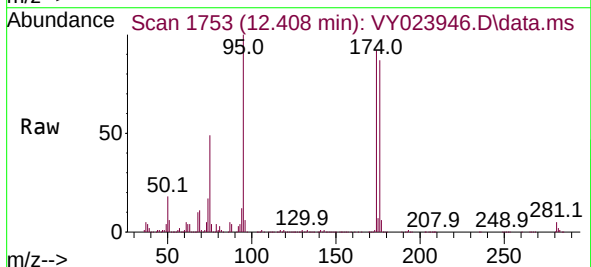
Tgt Ion: 95 Resp: 438843

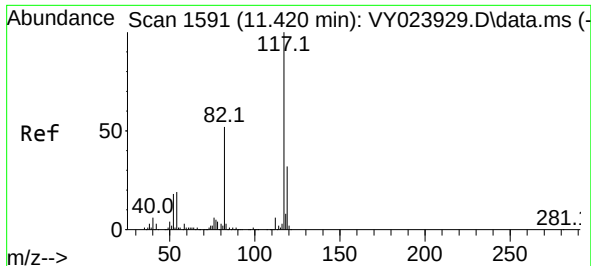
Ion Ratio Lower Upper

95 100

174 94.4 0.0 187.4

176 90.1 0.0 179.6

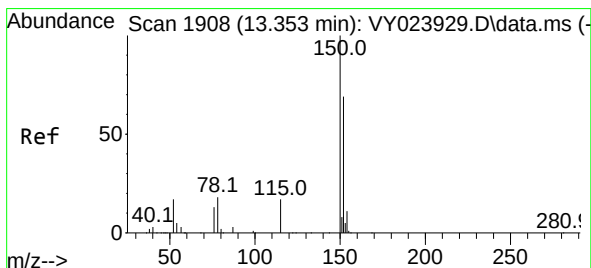
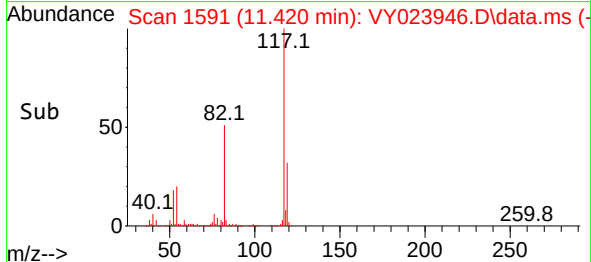
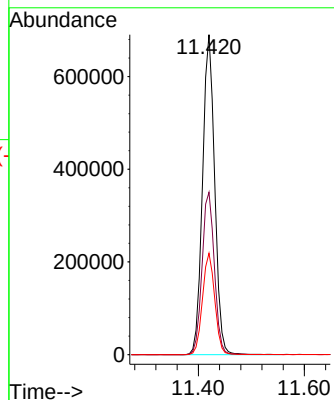
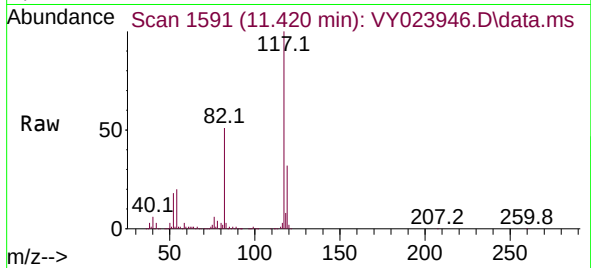




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023946.D
Acq: 11 Dec 2025 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1094045
Ion Ratio Lower Upper
117 100
82 50.7 41.4 62.2
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY023946.D
Acq: 11 Dec 2025 11:32

Tgt Ion:152 Resp: 459593
Ion Ratio Lower Upper
152 100
115 55.1 27.3 81.9
150 157.5 0.0 347.6

