

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023960.D
 Acq On : 11 Dec 2025 17:15
 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 03:27:11 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	860288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1465338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1289066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	580679	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	407727	53.605	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.200%
35) Dibromofluoromethane	7.640	113	451553	47.141	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.280%
50) Toluene-d8	10.109	98	1663638	46.649	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.300%
62) 4-Bromofluorobenzene	12.408	95	531315	44.612	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.220%

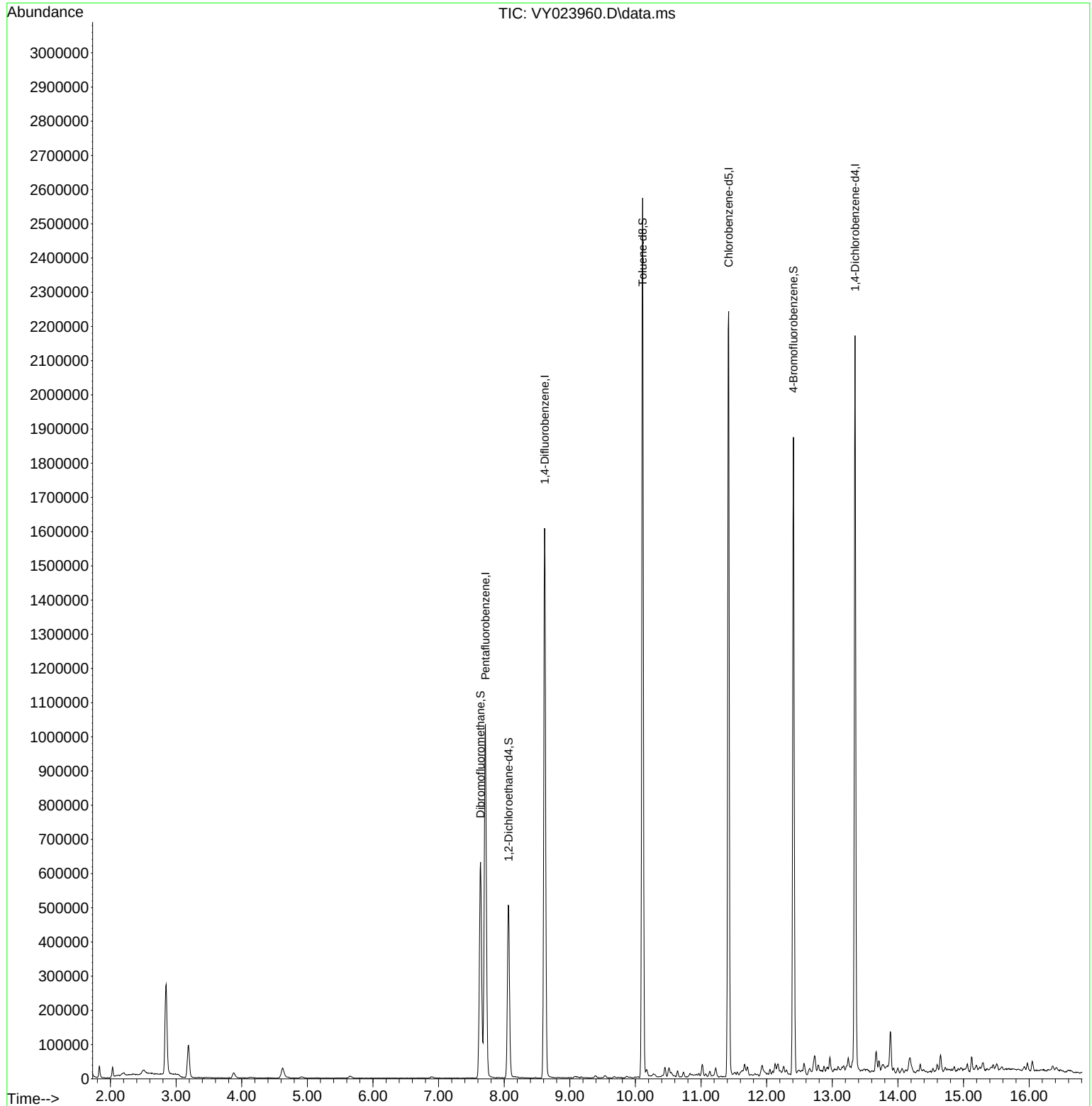
Target Compounds	Qvalue

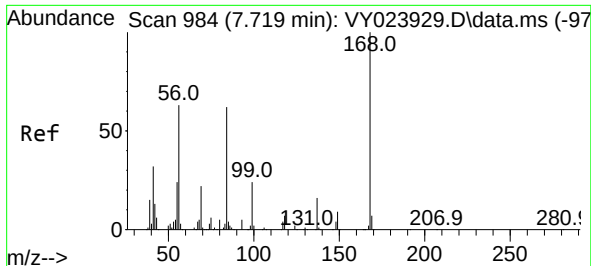
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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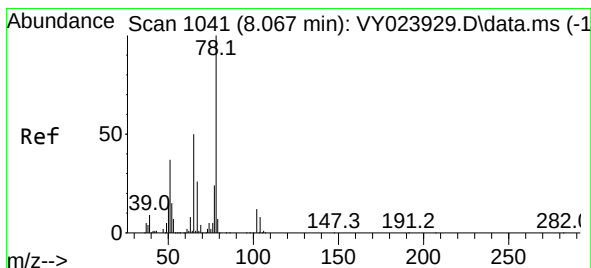
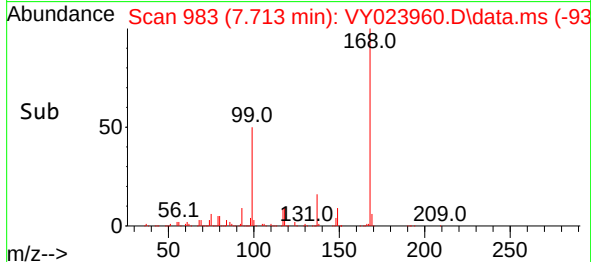
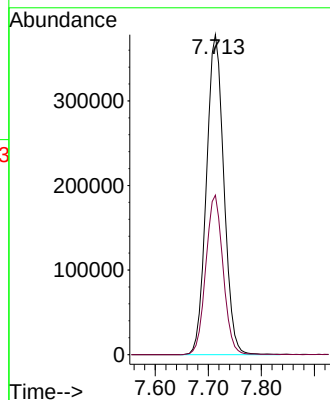
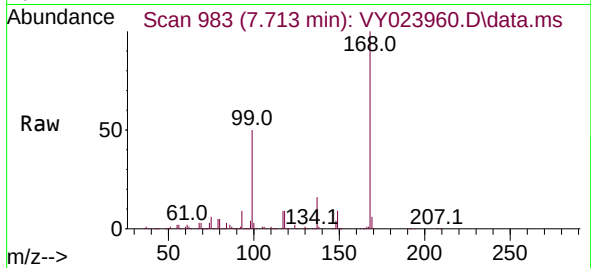




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 984
Delta R.T. -0.006 min
Lab File: VY023960.D
Acq: 11 Dec 2025 17:15

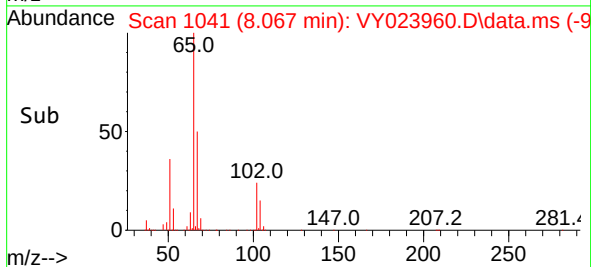
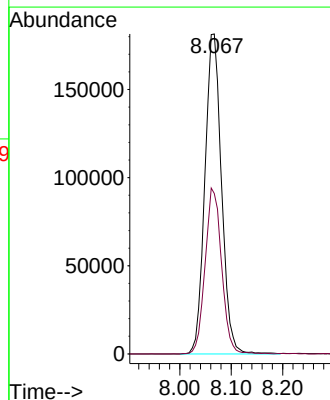
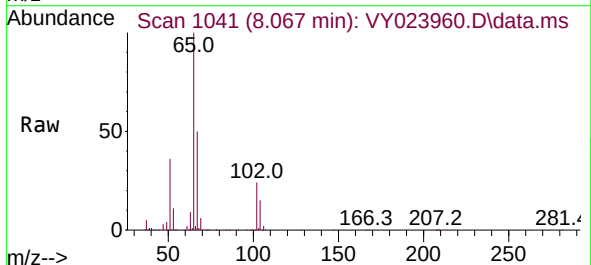
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

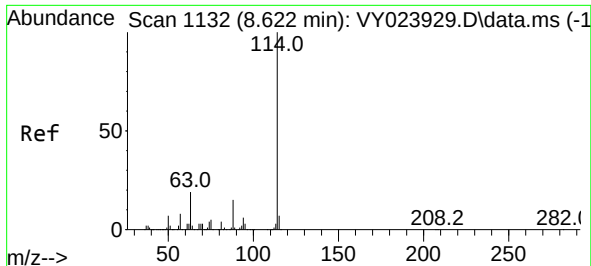
Tgt Ion:168 Resp: 860288
Ion Ratio Lower Upper
168 100
99 49.8 38.9 58.3



#33
1,2-Dichloroethane-d4
Concen: 53.605 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY023960.D
Acq: 11 Dec 2025 17:15

Tgt Ion: 65 Resp: 407727
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY023960.D

Acq: 11 Dec 2025 17:15

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

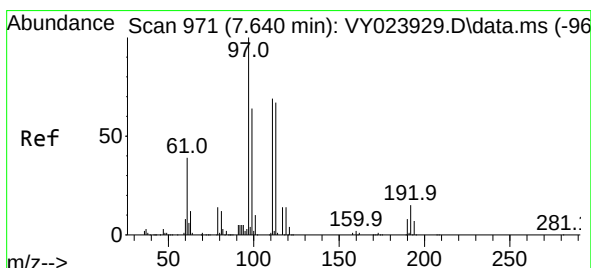
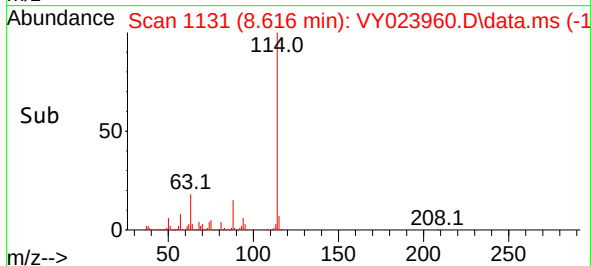
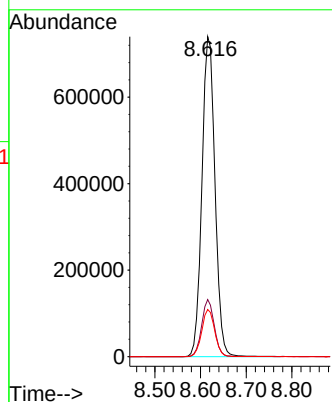
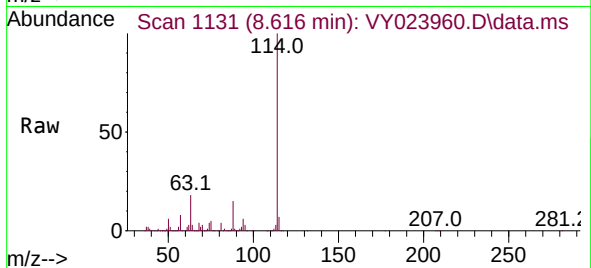
Tgt Ion:114 Resp: 1465338

Ion Ratio Lower Upper

114 100

63 17.8 0.0 37.2

88 14.7 0.0 29.4



#35

Dibromofluoromethane

Concen: 47.141 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.000 min

Lab File: VY023960.D

Acq: 11 Dec 2025 17:15

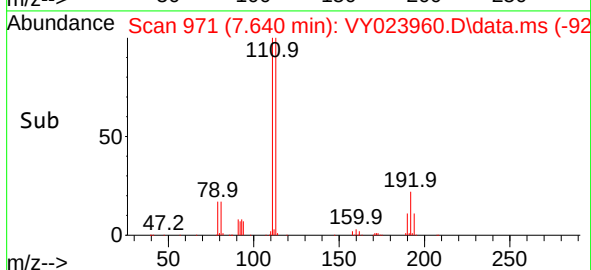
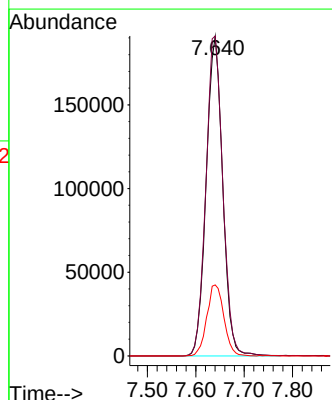
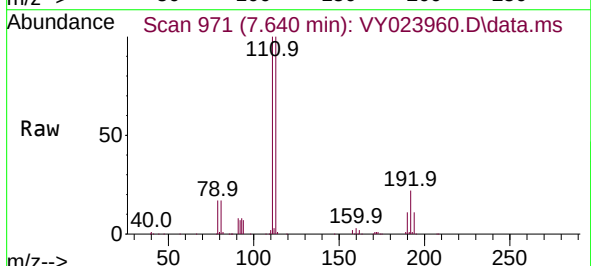
Tgt Ion:113 Resp: 451553

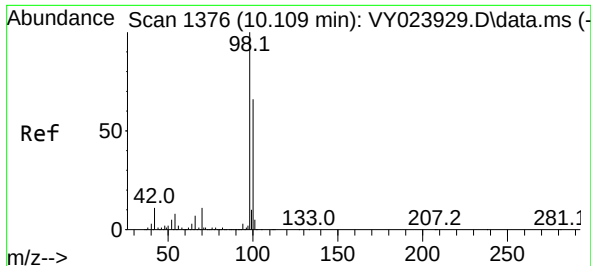
Ion Ratio Lower Upper

113 100

111 102.8 82.4 123.6

192 23.0 17.9 26.9

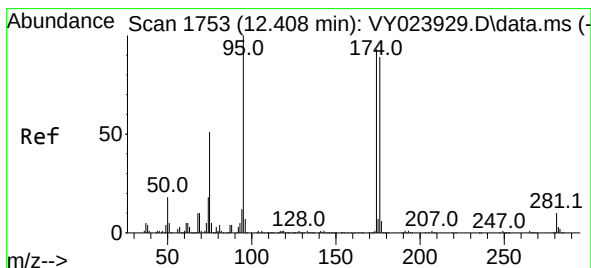
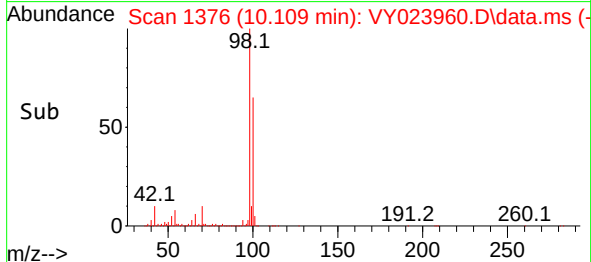
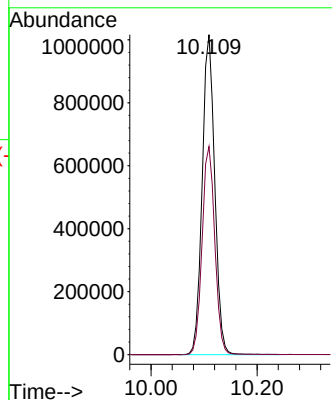
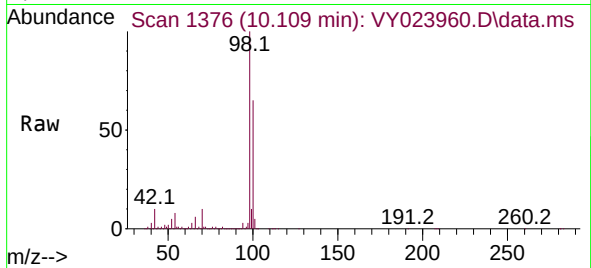




#50
Toluene-d8
Concen: 46.649 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023960.D
Acq: 11 Dec 2025 17:15

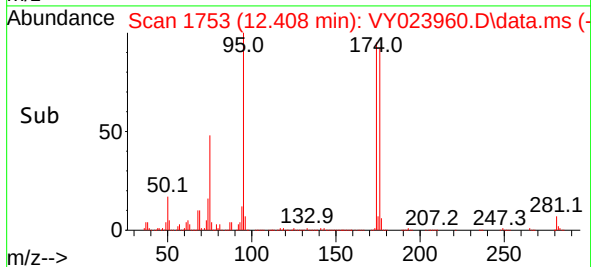
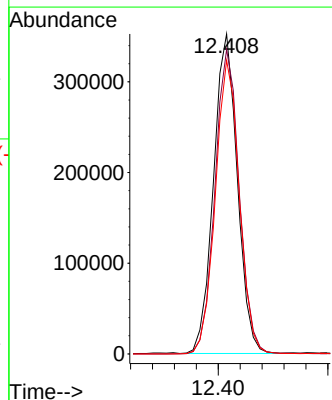
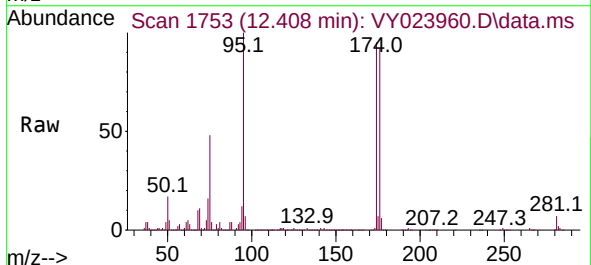
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

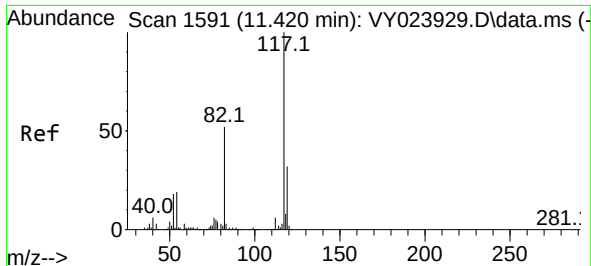
Tgt Ion: 98 Resp: 1663638
Ion Ratio Lower Upper
98 100
100 66.0 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 44.612 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023960.D
Acq: 11 Dec 2025 17:15

Tgt Ion: 95 Resp: 531315
Ion Ratio Lower Upper
95 100
174 97.1 0.0 187.4
176 92.6 0.0 179.6

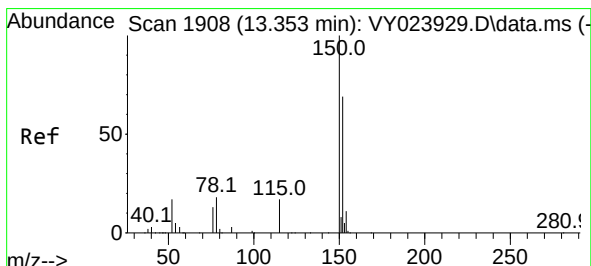
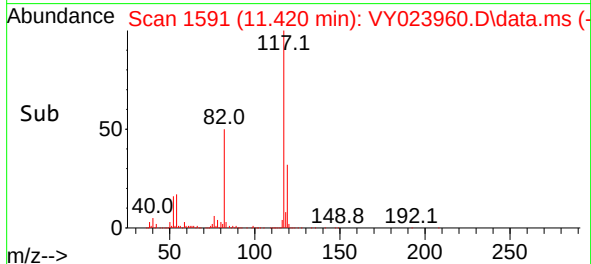
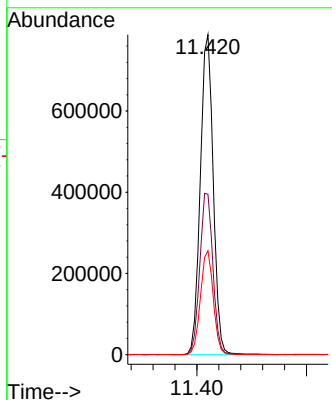
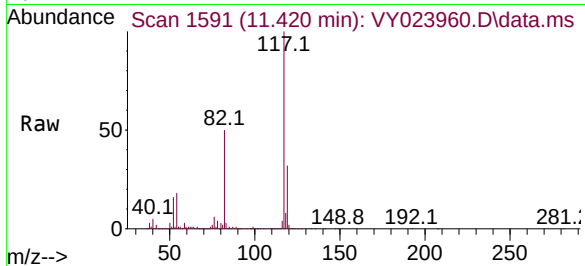




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023960.D
Acq: 11 Dec 2025 17:15

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1289066
Ion Ratio Lower Upper
117 100
82 50.1 41.4 62.2
119 32.5 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: VY023960.D
Acq: 11 Dec 2025 17:15

Tgt Ion:152 Resp: 580679
Ion Ratio Lower Upper
152 100
115 54.4 27.3 81.9
150 155.3 0.0 347.6

