

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110325\
 Data File : VY023658.D
 Acq On : 03 Nov 2025 15:20
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 04 01:34:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	807013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1326806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1152263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	502636	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	342367	50.733	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.460%
35) Dibromofluoromethane	7.640	113	409053	50.175	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.340%
50) Toluene-d8	10.109	98	1505651	49.592	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.180%
62) 4-Bromofluorobenzene	12.408	95	468500	46.739	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.480%

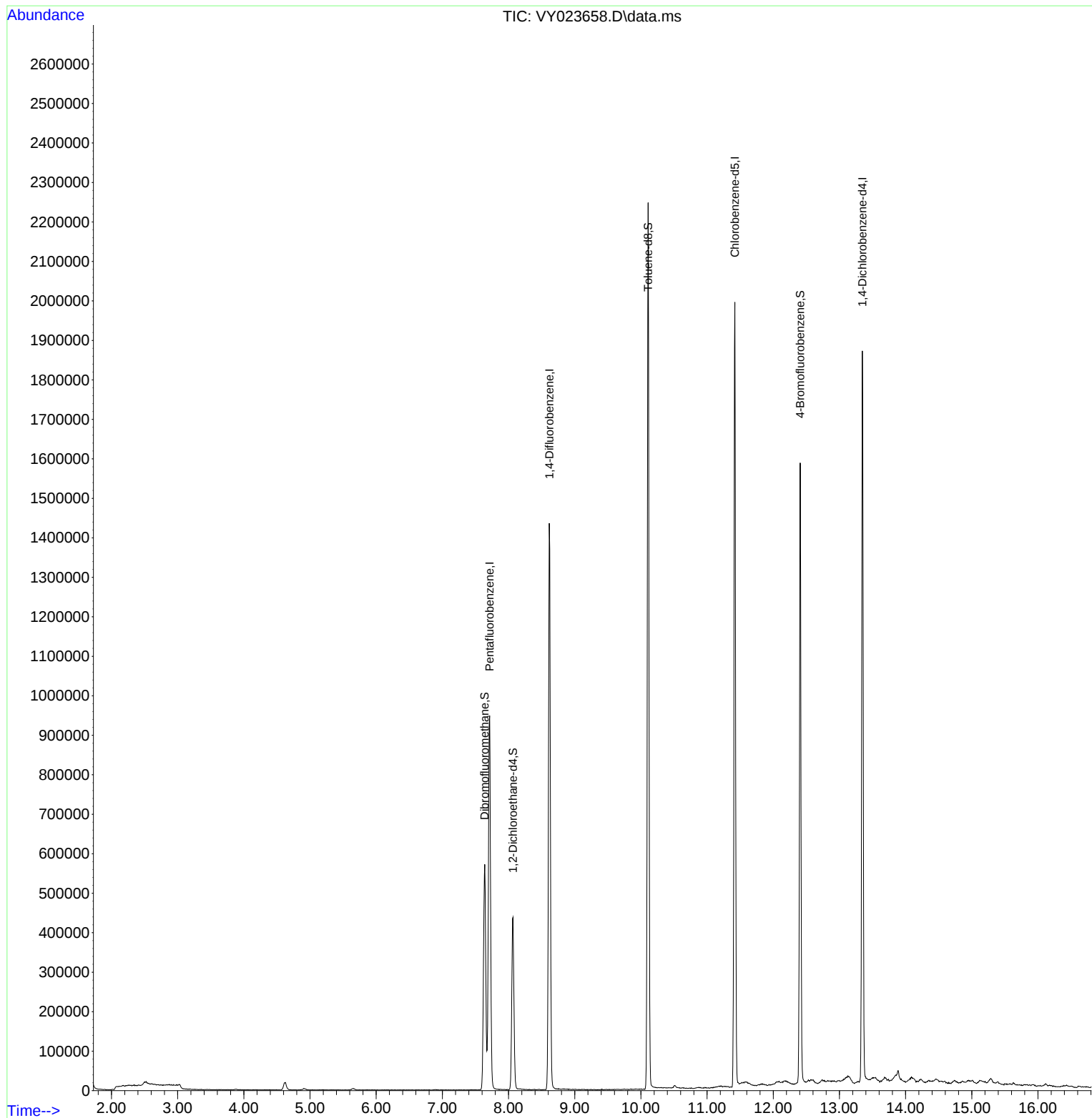
Target Compounds	Qvalue

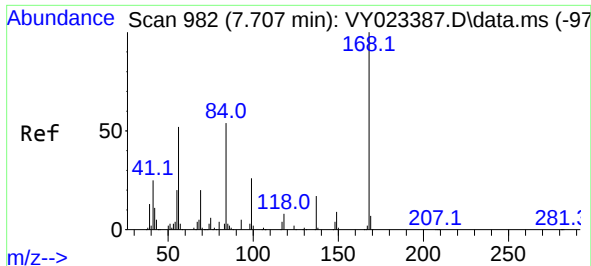
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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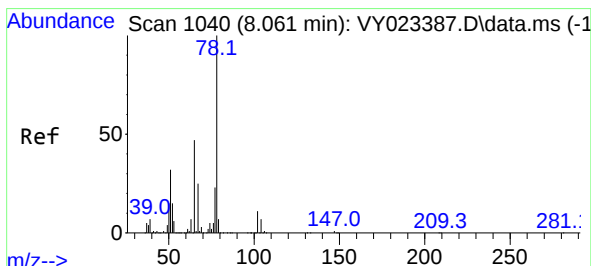
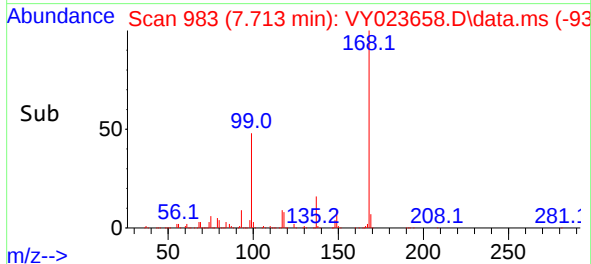
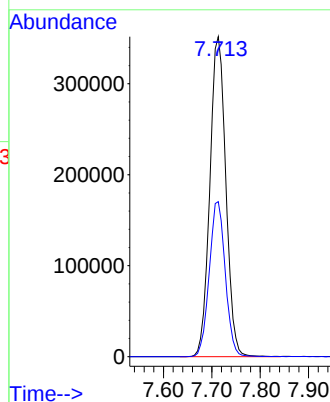
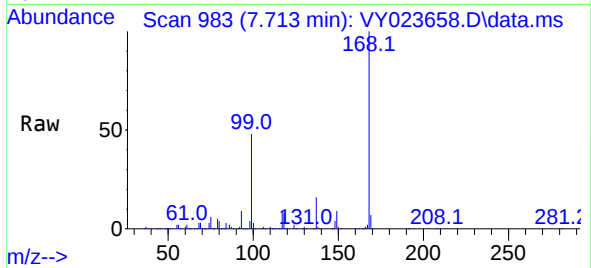




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023658.D
Acq: 03 Nov 2025 15:20

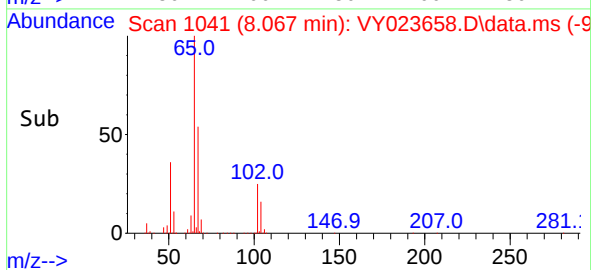
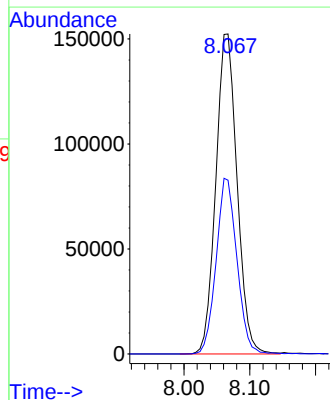
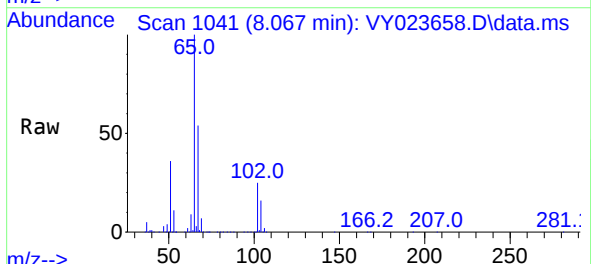
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

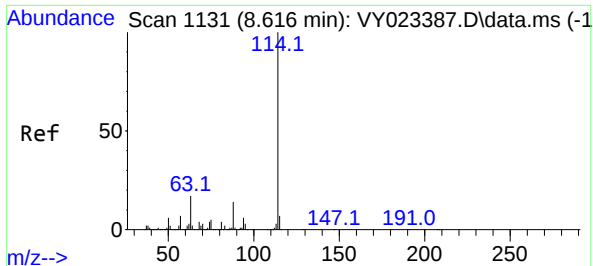
Tgt Ion:168 Resp: 807013
Ion Ratio Lower Upper
168 100
99 48.5 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 50.733 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023658.D
Acq: 03 Nov 2025 15:20

Tgt Ion: 65 Resp: 342367
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023658.D

Acq: 03 Nov 2025 15:20

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

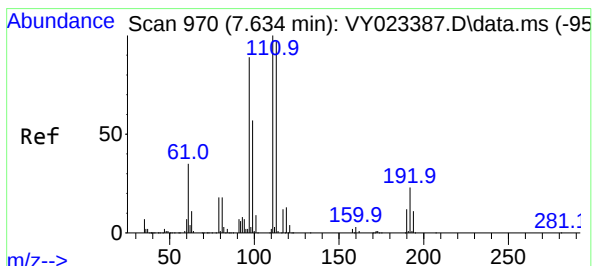
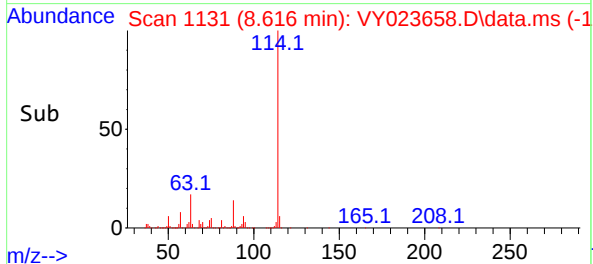
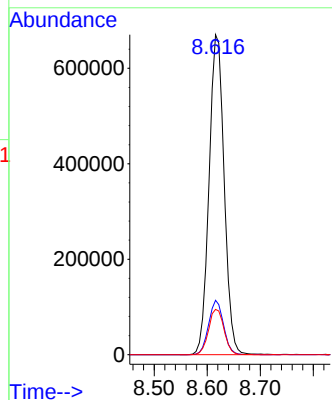
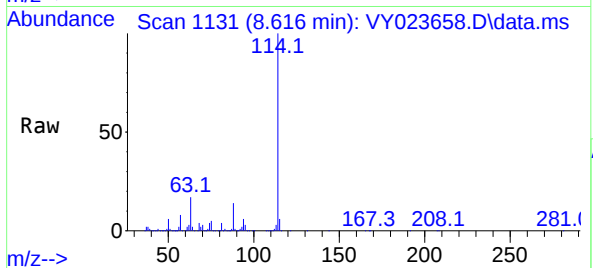
Tgt Ion:114 Resp: 1326806

Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.2

88 14.2 0.0 28.4



#35

Dibromofluoromethane

Concen: 50.175 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023658.D

Acq: 03 Nov 2025 15:20

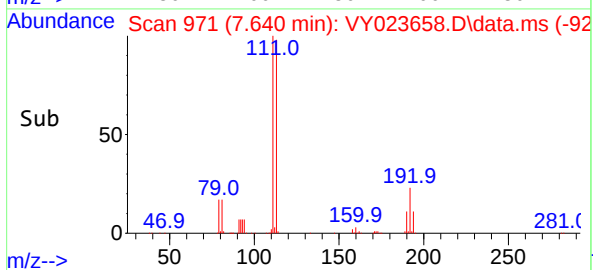
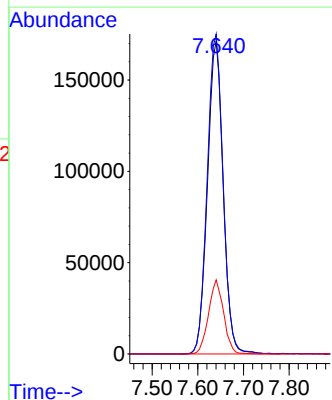
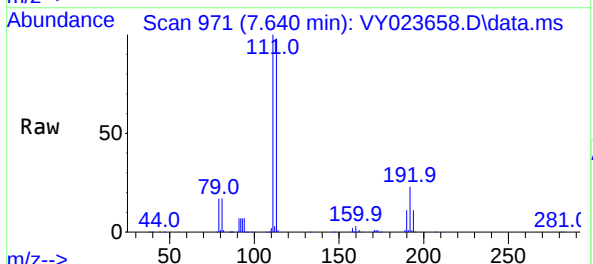
Tgt Ion:113 Resp: 409053

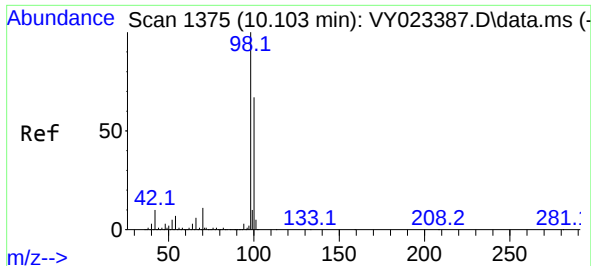
Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.6

192 22.7 18.0 27.0

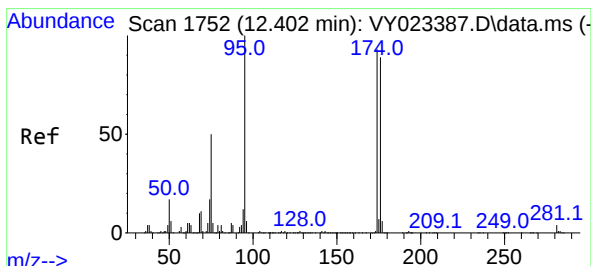
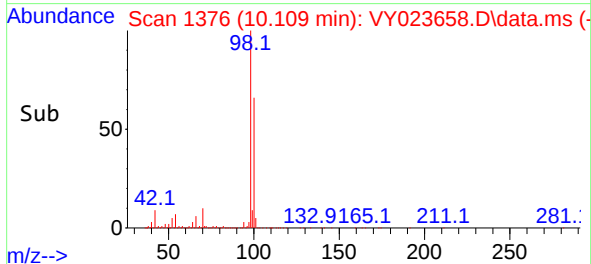
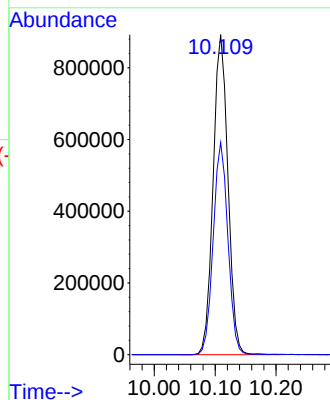
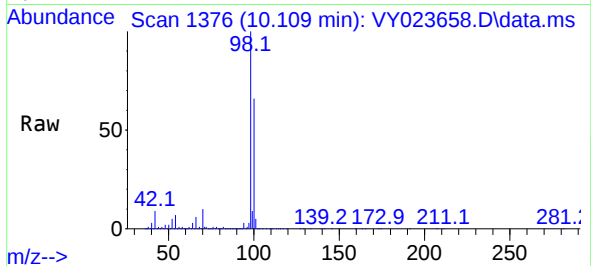




#50
Toluene-d8
Concen: 49.592 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023658.D
Acq: 03 Nov 2025 15:20

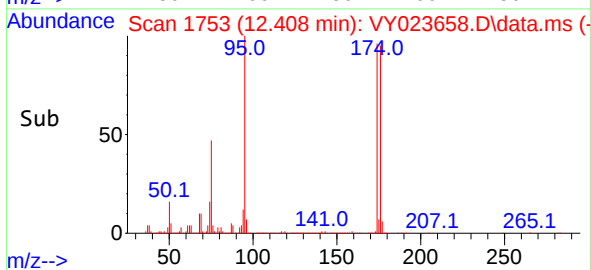
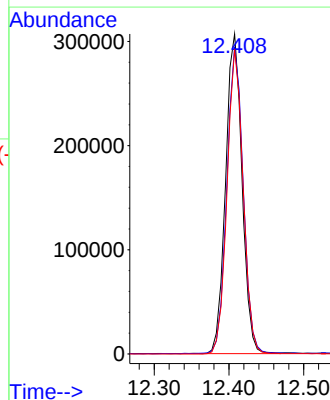
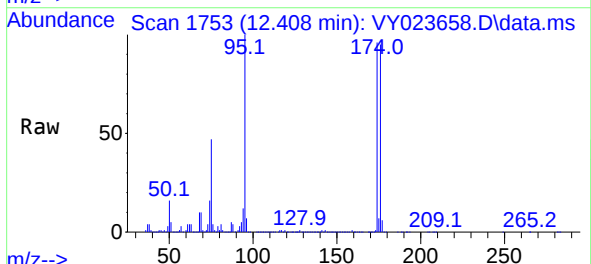
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

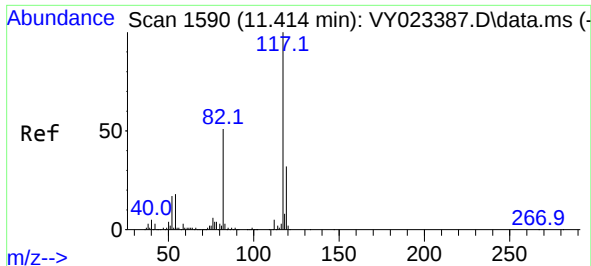
Tgt Ion: 98 Resp: 1505651
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 46.739 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023658.D
Acq: 03 Nov 2025 15:20

Tgt Ion: 95 Resp: 468500
Ion Ratio Lower Upper
95 100
174 95.4 0.0 192.8
176 93.4 0.0 187.6

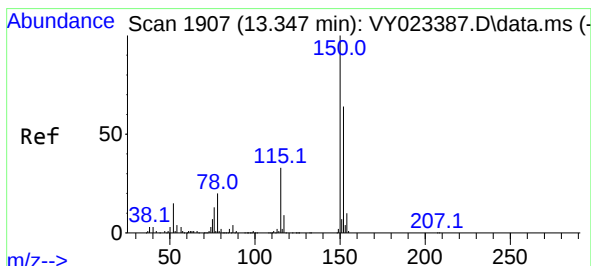
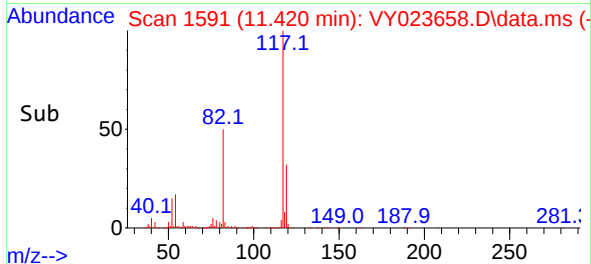
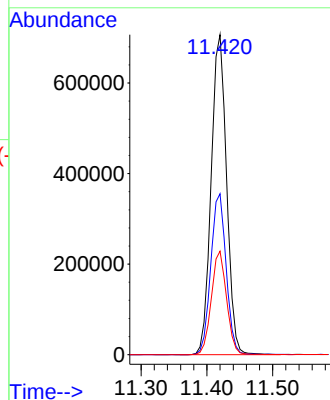
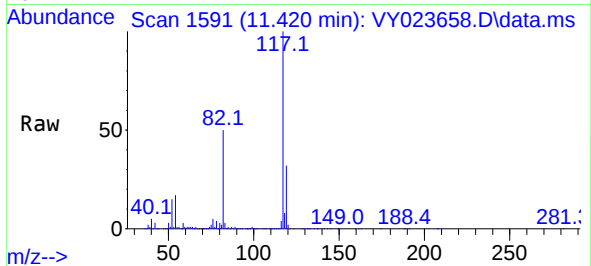




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1152263
Delta R.T. 0.006 min
Lab File: VY023658.D
Acq: 03 Nov 2025 15:20

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1152263
Ion Ratio Lower Upper
117 100
82 50.3 41.0 61.4
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023658.D
Acq: 03 Nov 2025 15:20

Tgt Ion:152 Resp: 502636
Ion Ratio Lower Upper
152 100
115 54.9 27.1 81.2
150 156.5 0.0 347.4

