

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110525\
 Data File : VY023689.D
 Acq On : 05 Nov 2025 15:03
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 06 03:31:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	768865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1340605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1166287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	477373	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	399794	60.958	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.920%
35) Dibromofluoromethane	7.634	113	431490	51.503	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.000%
50) Toluene-d8	10.109	98	1523891	48.830	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.660%
62) 4-Bromofluorobenzene	12.408	95	454212	45.005	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.020%

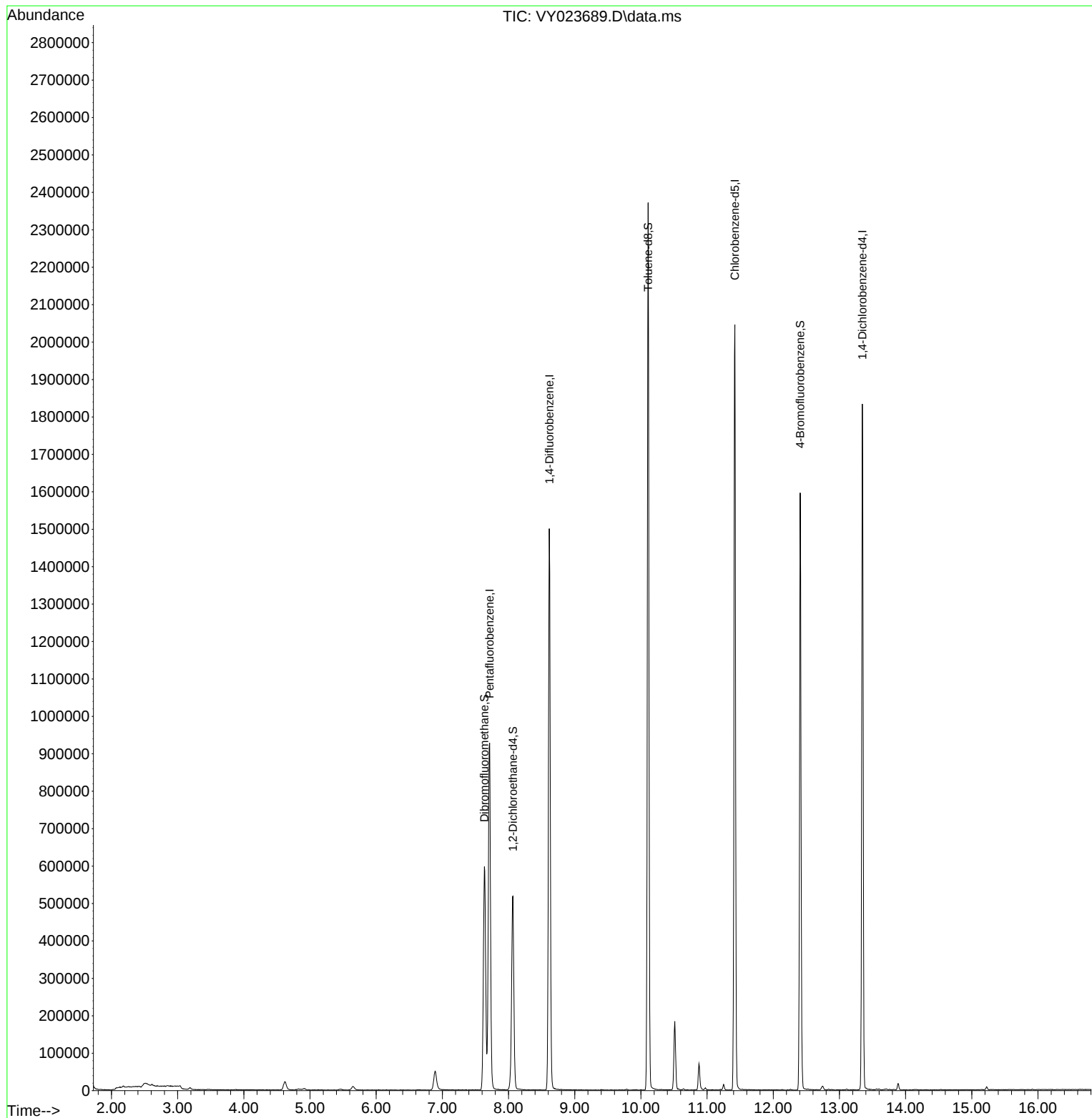
Target Compounds	Qvalue

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

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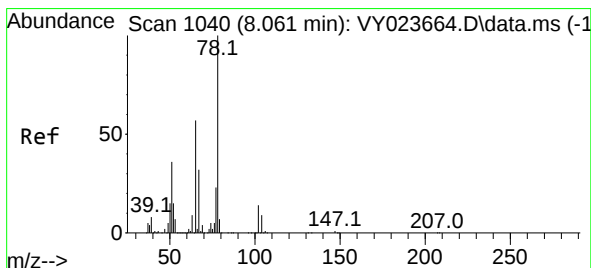
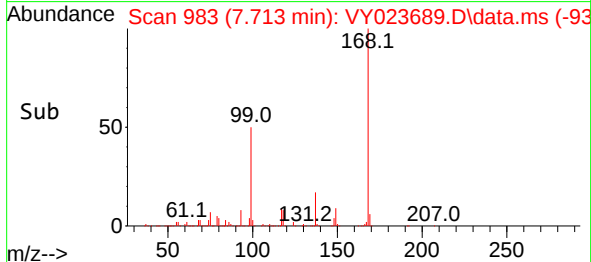
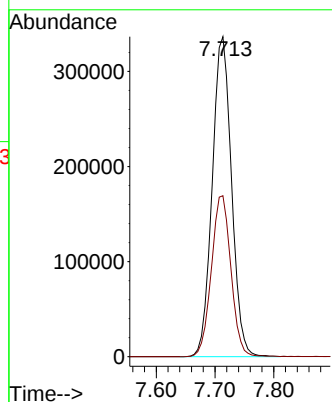
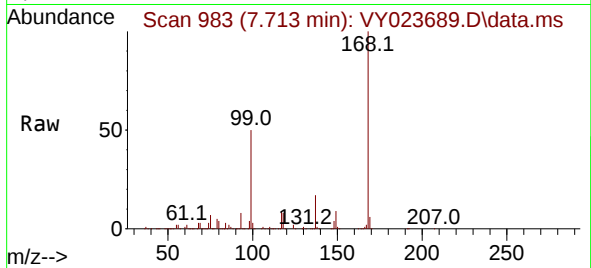




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

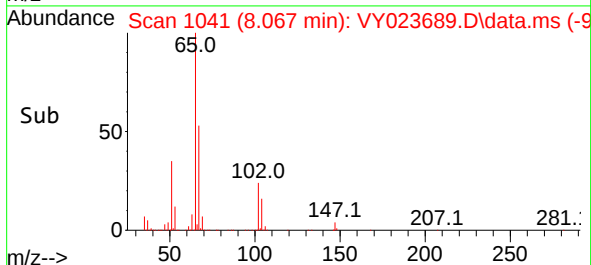
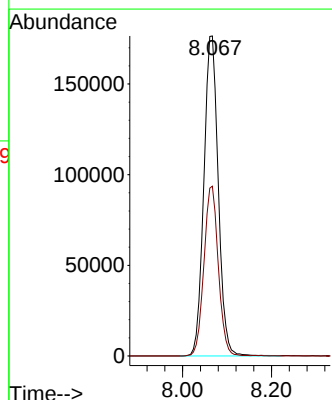
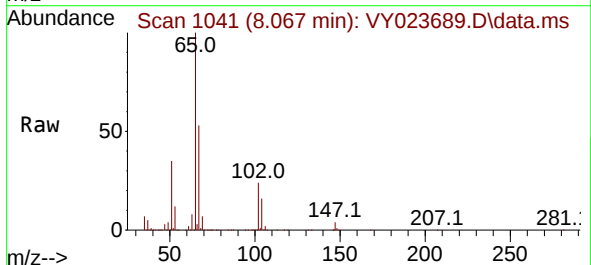
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

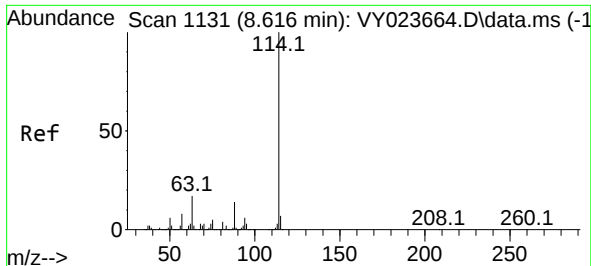
Tgt Ion:168 Resp: 768865
Ion Ratio Lower Upper
168 100
99 50.3 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 60.958 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

Tgt Ion: 65 Resp: 399794
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.4

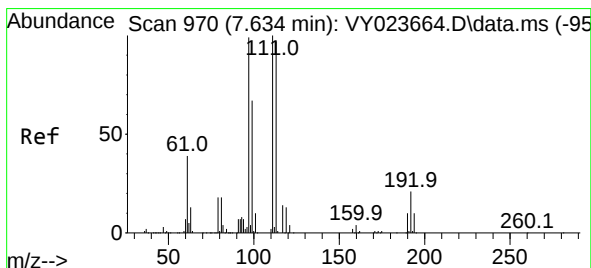
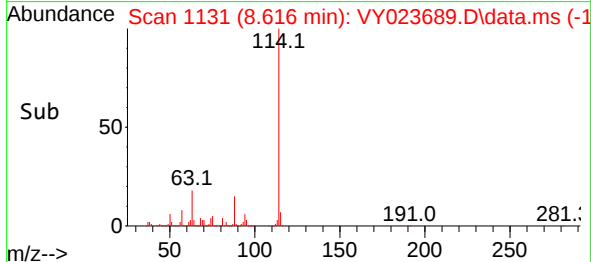
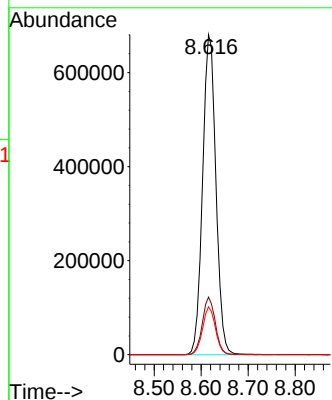
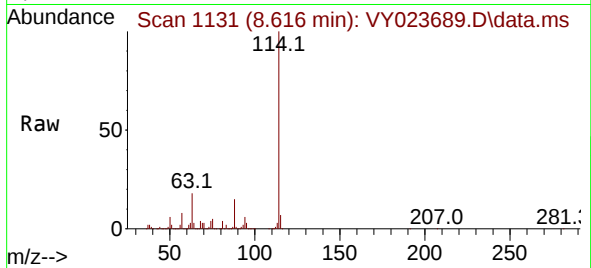




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

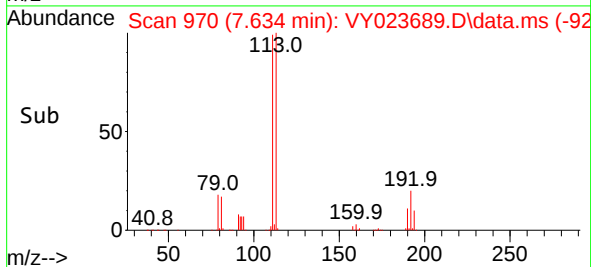
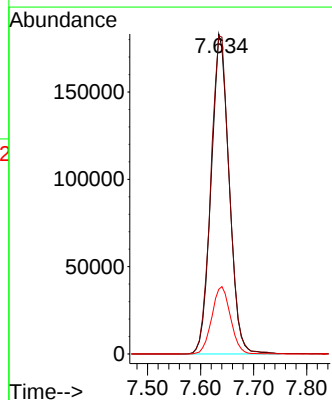
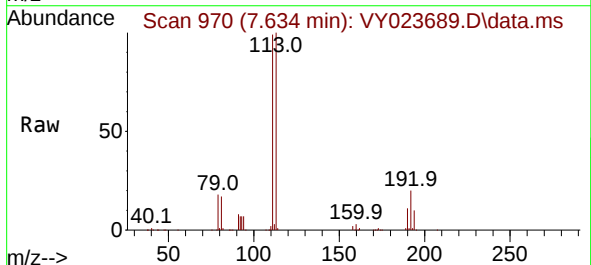
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

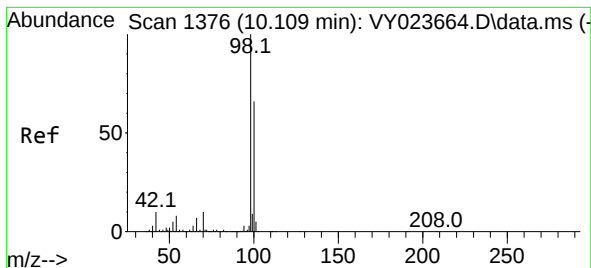
Tgt Ion:114 Resp: 1340605
Ion Ratio Lower Upper
114 100
63 18.0 0.0 33.8
88 15.0 0.0 29.0



#35
Dibromofluoromethane
Concen: 51.503 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

Tgt Ion:113 Resp: 431490
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 21.8 17.3 25.9





#50

Toluene-d8

Concen: 48.830 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023689.D

Acq: 05 Nov 2025 15:03

Instrument :

MSVOA_Y

ClientSampleId :

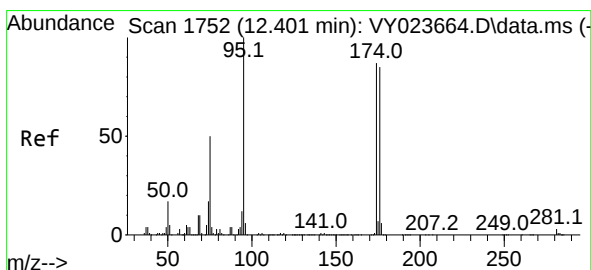
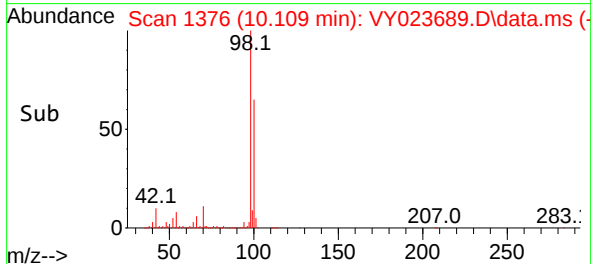
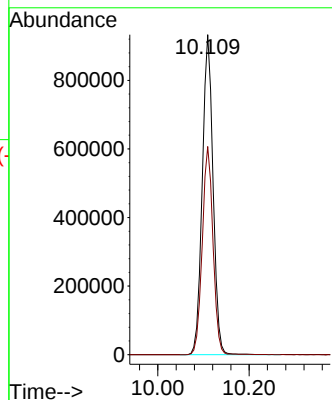
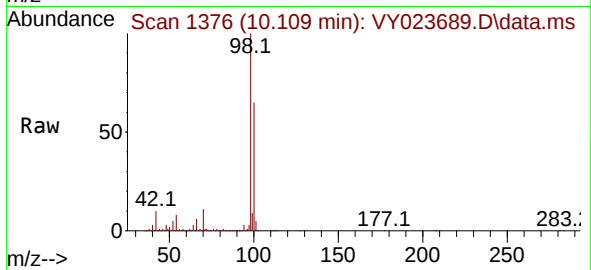
VIBLK

Tgt Ion: 98 Resp: 1523891

Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 45.005 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023689.D

Acq: 05 Nov 2025 15:03

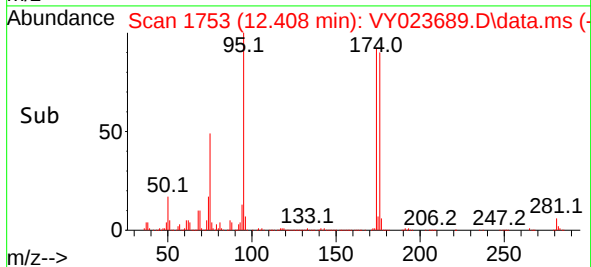
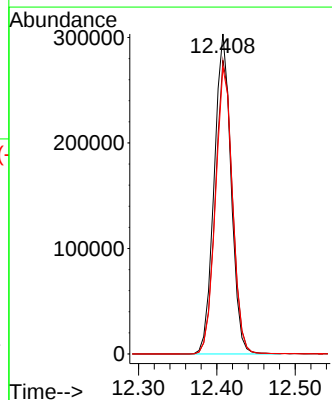
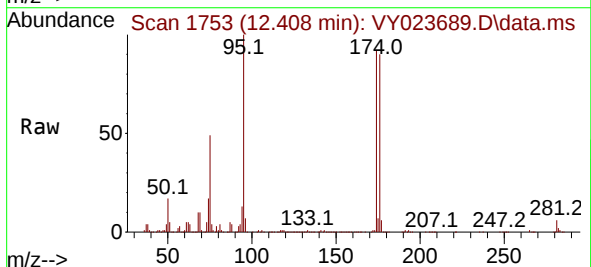
Tgt Ion: 95 Resp: 454212

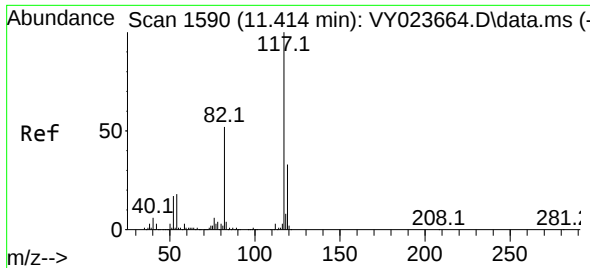
Ion Ratio Lower Upper

95 100

174 92.8 0.0 184.8

176 90.4 0.0 181.6

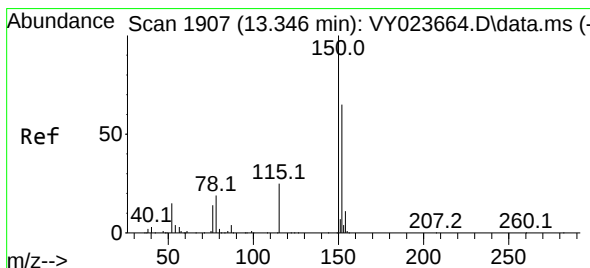
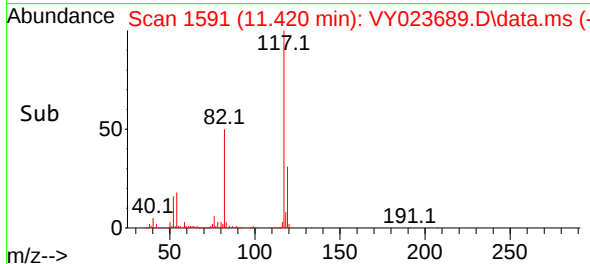
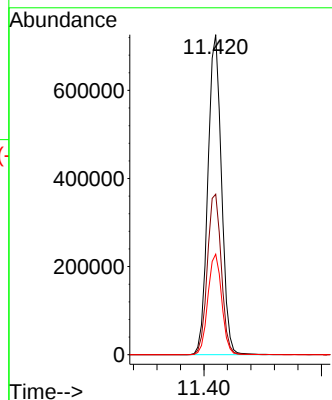
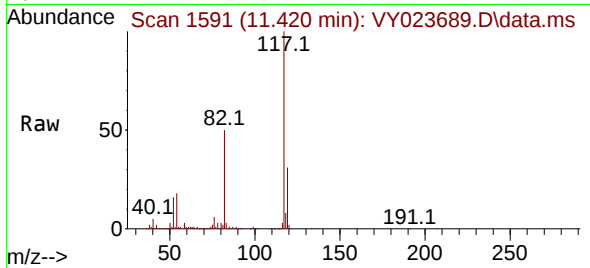




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1166287
Ion Ratio Lower Upper
117 100
82 50.1 41.2 61.8
119 31.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

Tgt Ion:152 Resp: 477373
Ion Ratio Lower Upper
152 100
115 55.5 27.5 82.5
150 157.7 0.0 349.0

