

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
 Data File : VY023815.D
 Acq On : 26 Nov 2025 10:27
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 27 01:16:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	671144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1215458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1018193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	404247	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	379533	58.069	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.140%
35) Dibromofluoromethane	7.634	113	384844	53.449	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.900%
50) Toluene-d8	10.109	98	1417992	49.581	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.160%
62) 4-Bromofluorobenzene	12.402	95	418359	44.458	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.920%

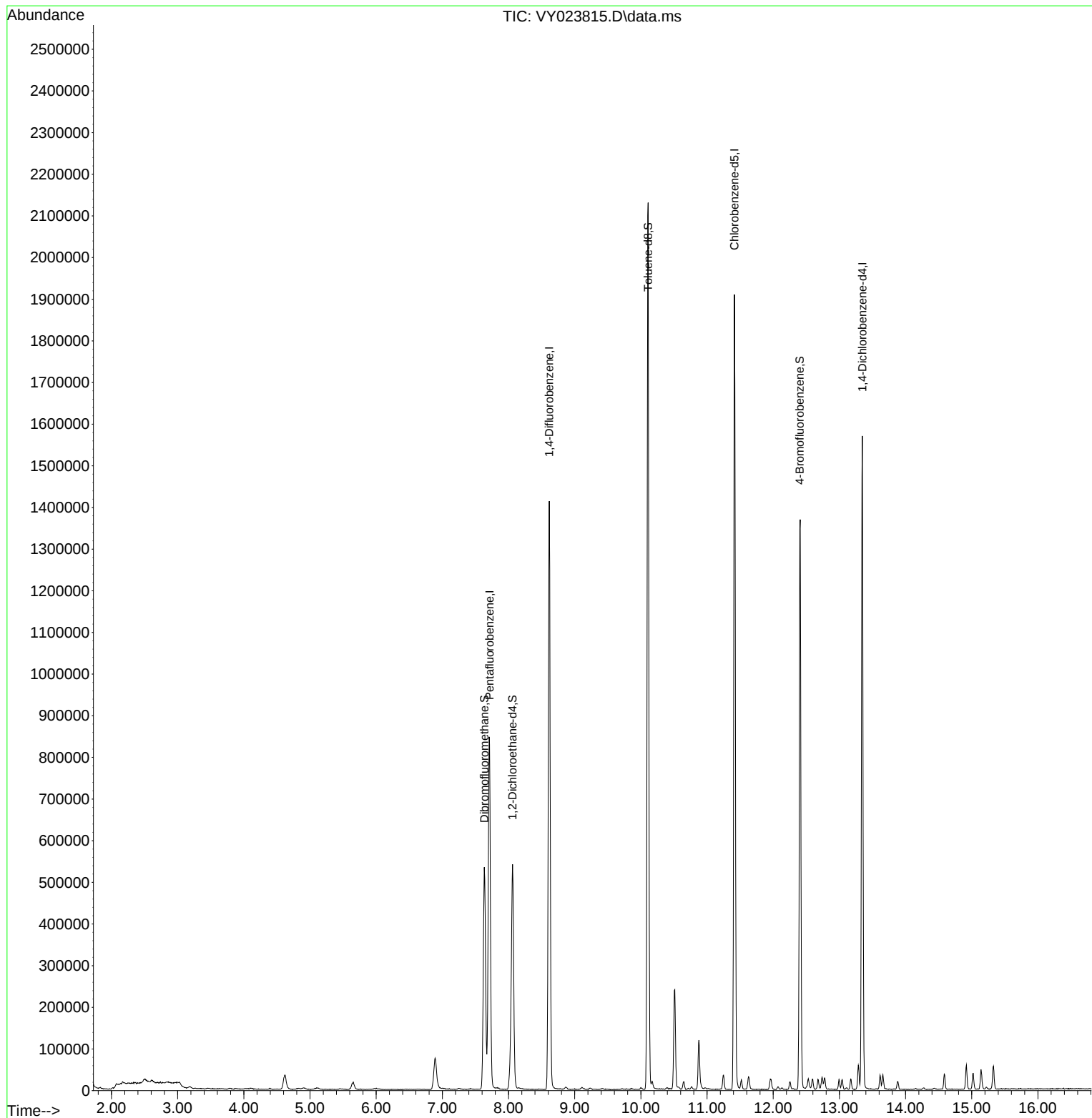
Target Compounds	Qvalue

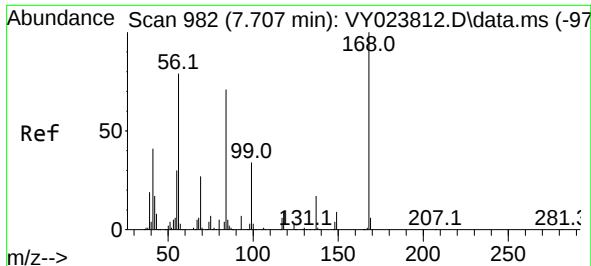
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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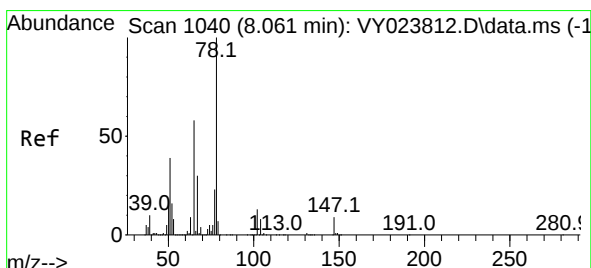
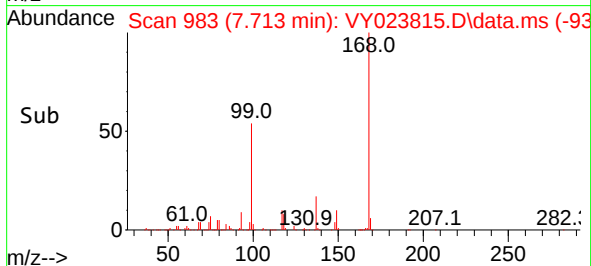
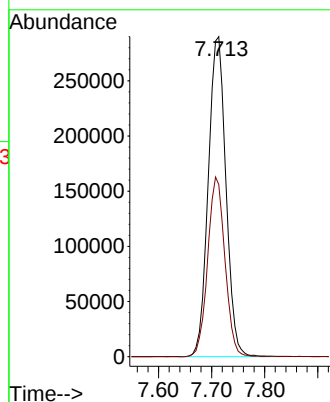
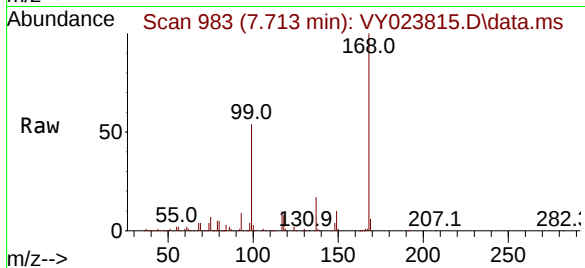




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023815.D
Acq: 26 Nov 2025 10:27

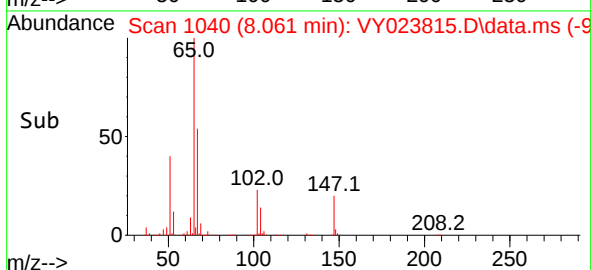
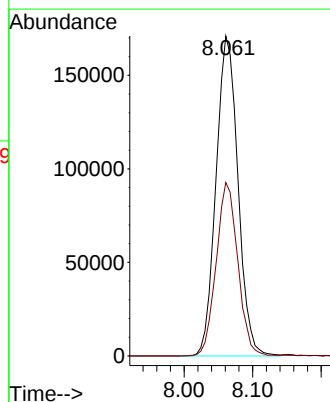
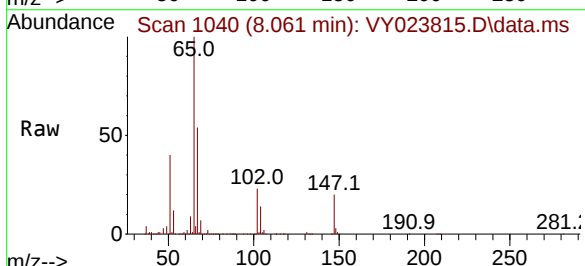
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

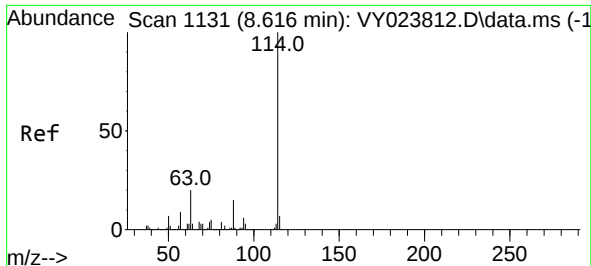
Tgt Ion:168 Resp: 671144
Ion Ratio Lower Upper
168 100
99 53.8 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 58.069 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023815.D
Acq: 26 Nov 2025 10:27

Tgt Ion: 65 Resp: 379533
Ion Ratio Lower Upper
65 100
67 53.5 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: VY023815.D

Acq: 26 Nov 2025 10:27

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

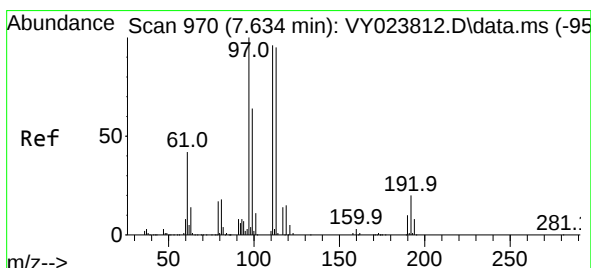
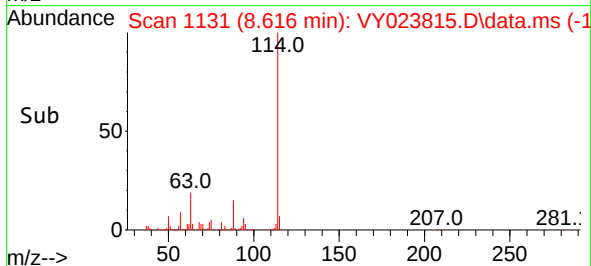
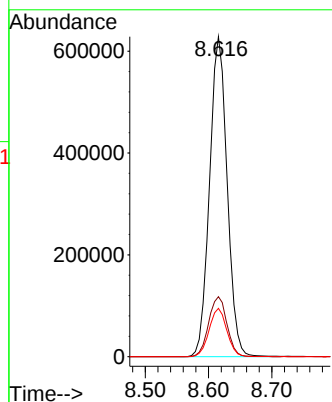
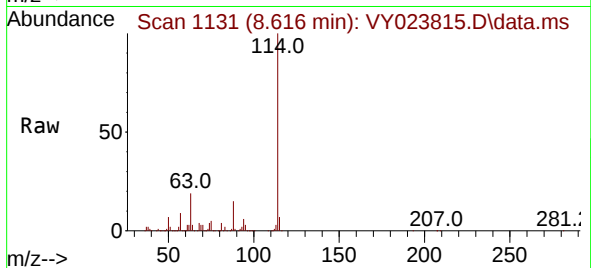
Tgt Ion:114 Resp: 1215458

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.4

88 15.1 0.0 30.8



#35

Dibromofluoromethane

Concen: 53.449 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023815.D

Acq: 26 Nov 2025 10:27

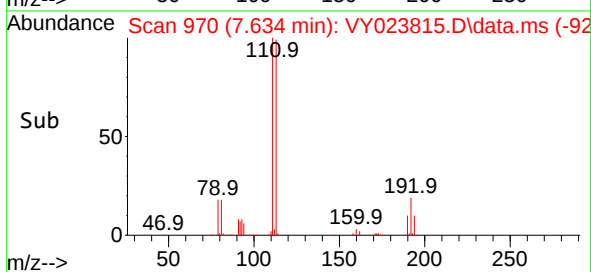
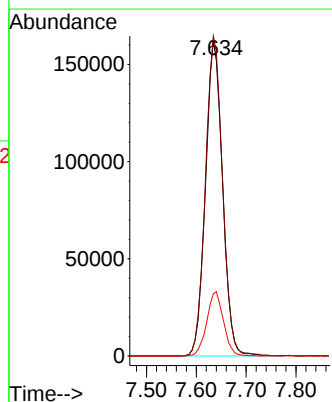
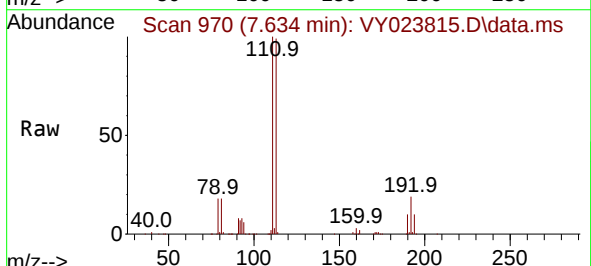
Tgt Ion:113 Resp: 384844

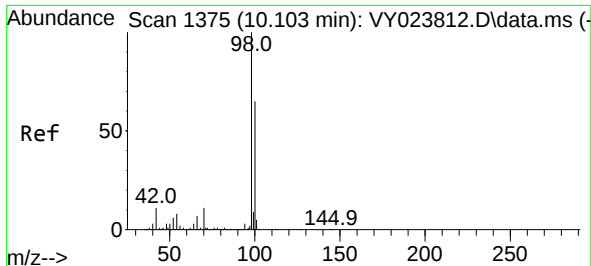
Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 20.0 15.8 23.8

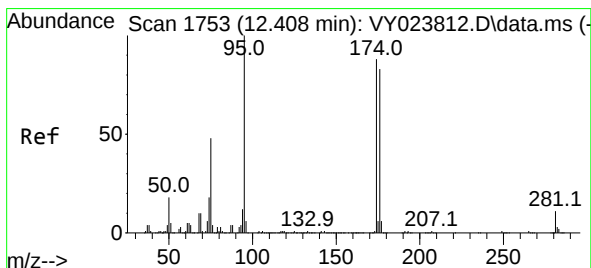
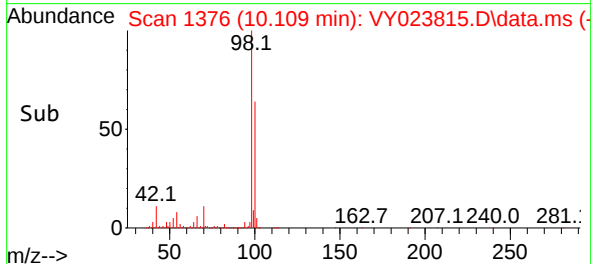
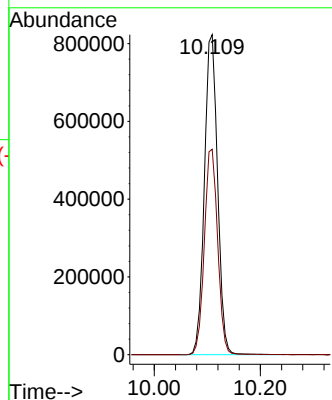
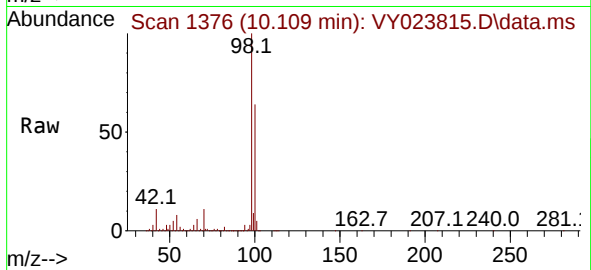




#50
Toluene-d8
Concen: 49.581 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023815.D
Acq: 26 Nov 2025 10:27

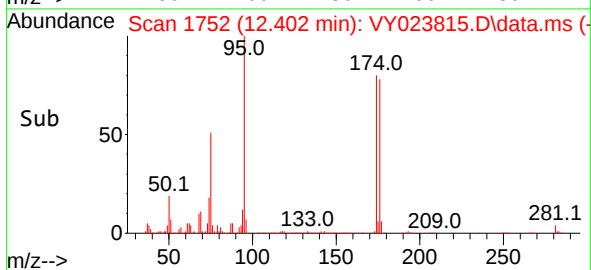
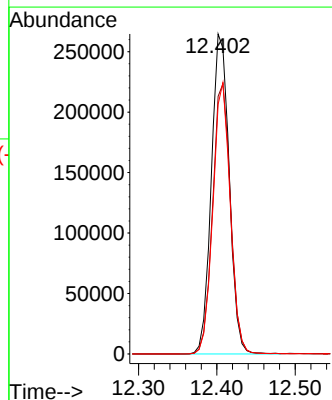
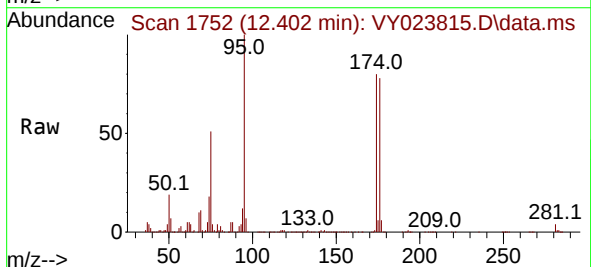
Instrument :
MSVOA_Y
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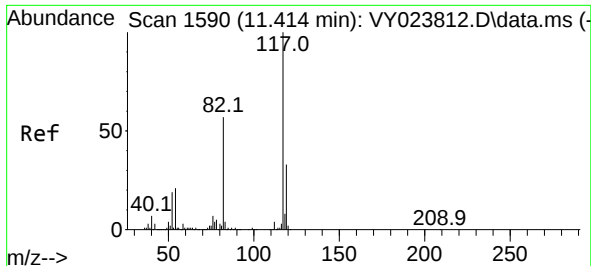
Tgt Ion: 98 Resp: 1417992
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 44.458 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY023815.D
Acq: 26 Nov 2025 10:27

Tgt Ion: 95 Resp: 418359
Ion Ratio Lower Upper
95 100
174 85.0 0.0 168.6
176 82.7 0.0 164.6

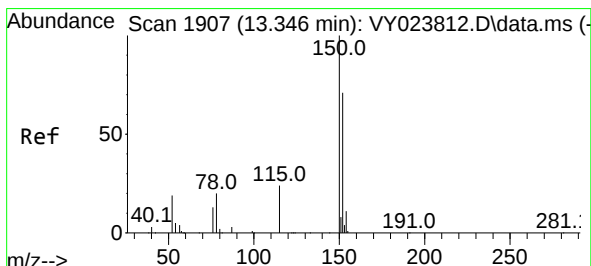
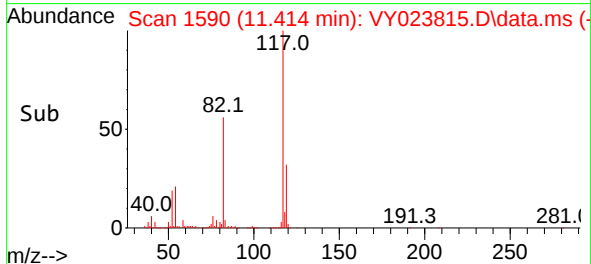
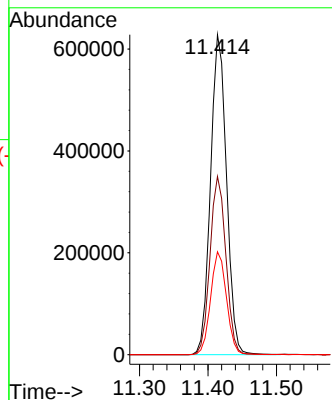
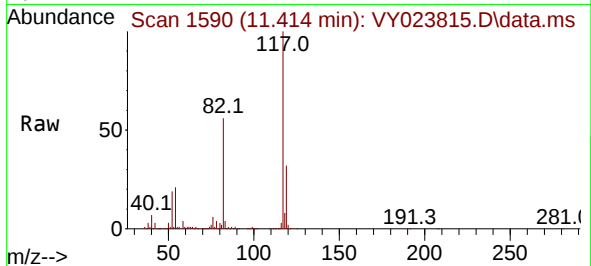




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VY023815.D
Acq: 26 Nov 2025 10:27

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1018193
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.0
119 32.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023815.D
Acq: 26 Nov 2025 10:27

Tgt Ion:152 Resp: 404247
Ion Ratio Lower Upper
152 100
115 57.6 28.7 86.3
150 156.6 0.0 345.6

