

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023768.D
 Acq On : 12 Nov 2025 16:55
 Operator : SY/MD
 Sample : Q3614-01
 Misc : 5.60g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Quant Time: Nov 14 03:41:05 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	7.707	168	768671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1331047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1154176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	463172	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	390445	59.548	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.100%
35) Dibromofluoromethane	7.634	113	425167	51.113	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.220%
50) Toluene-d8	10.109	98	1503439	48.521	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.040%
62) 4-Bromofluorobenzene	12.401	95	453321	45.239	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.480%

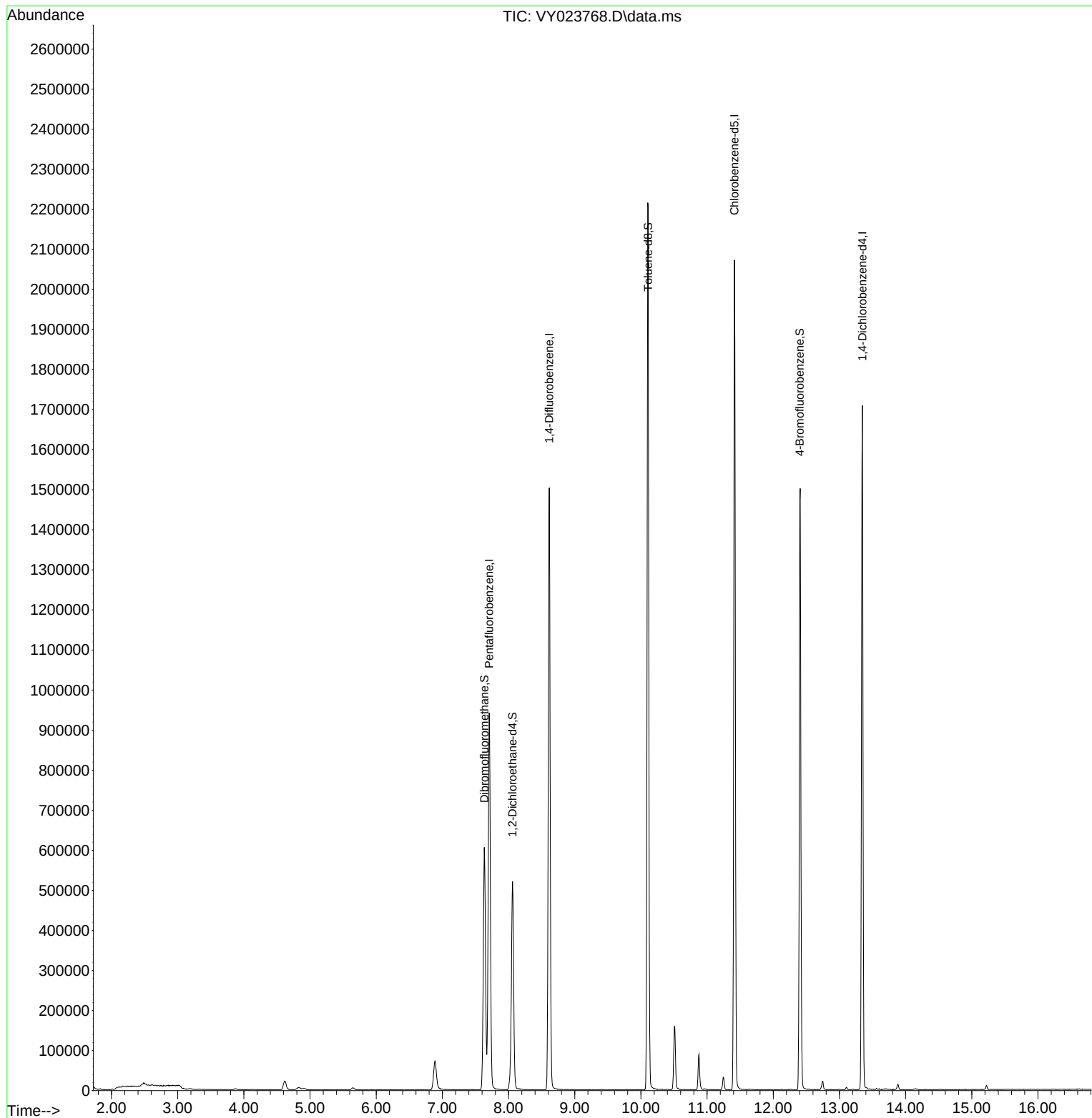
Target Compounds	Qvalue

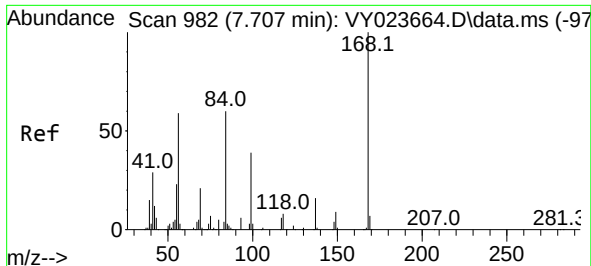
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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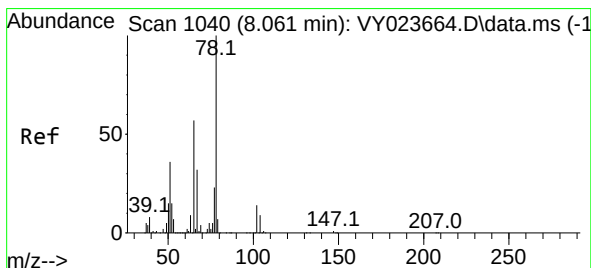
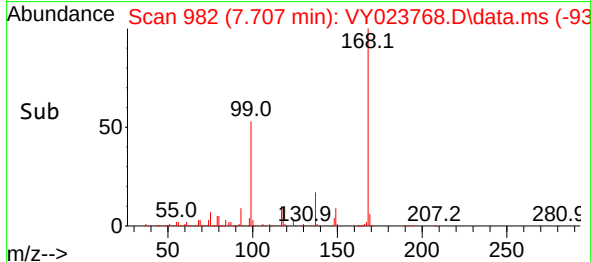
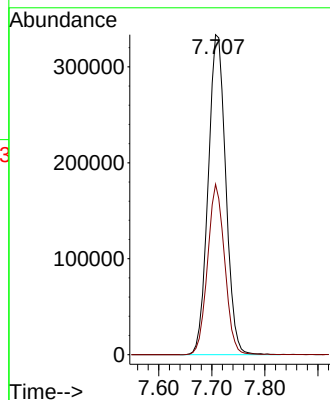
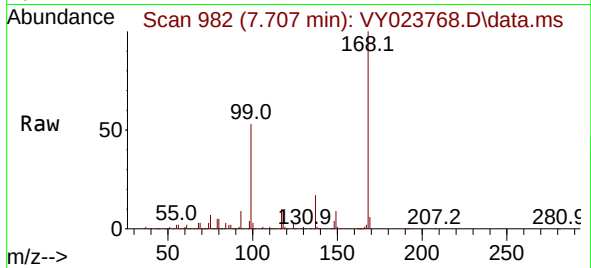




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

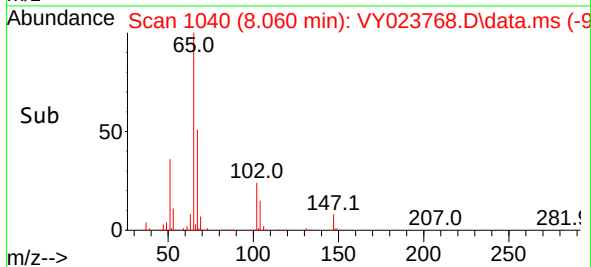
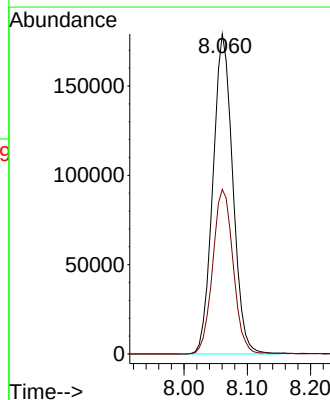
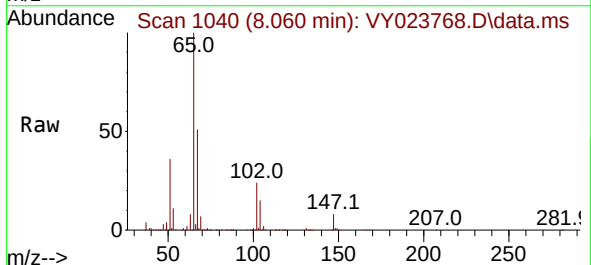
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

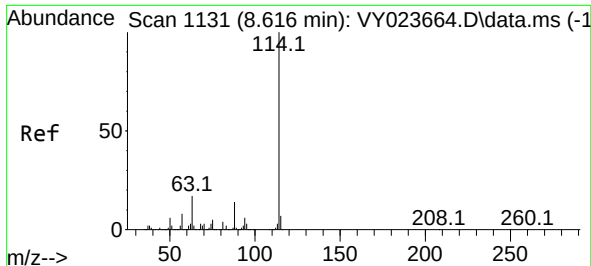
Tgt Ion:168 Resp: 768671
Ion Ratio Lower Upper
168 100
99 53.3 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 59.548 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

Tgt Ion: 65 Resp: 390445
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023768.D

Acq: 12 Nov 2025 16:55

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1

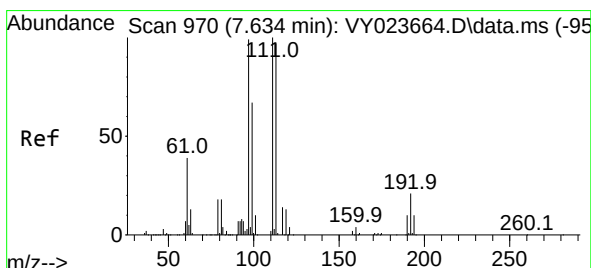
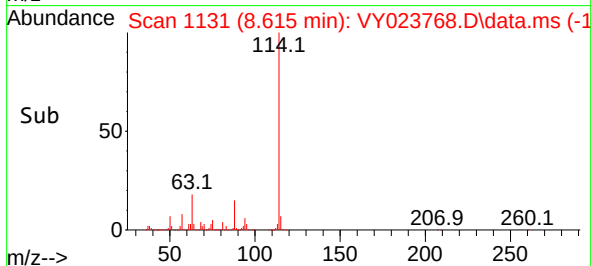
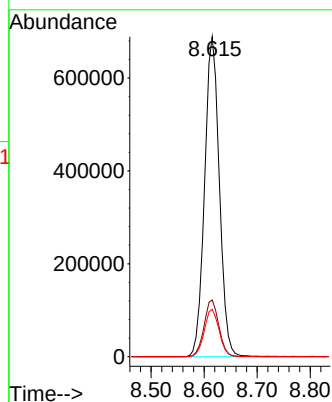
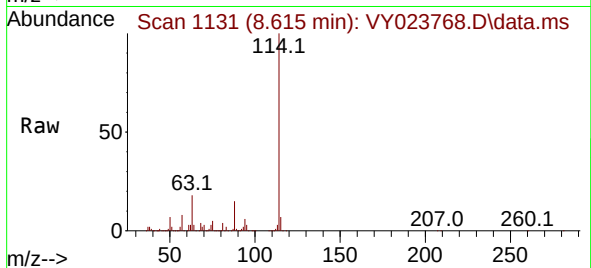
Tgt Ion:114 Resp: 1331047

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.8

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.113 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023768.D

Acq: 12 Nov 2025 16:55

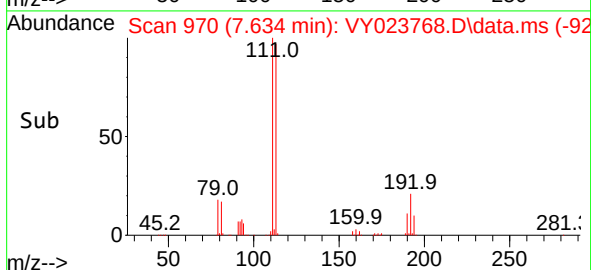
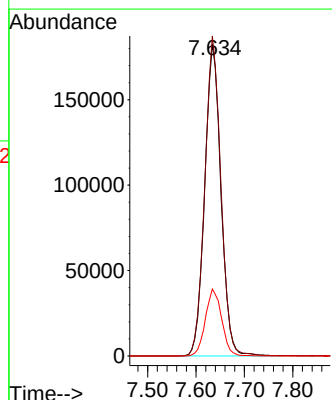
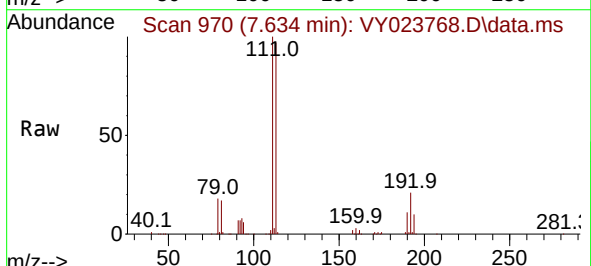
Tgt Ion:113 Resp: 425167

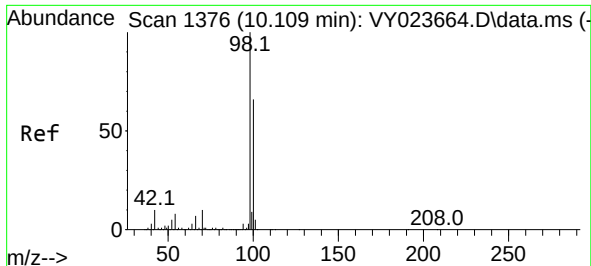
Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

192 21.5 17.3 25.9

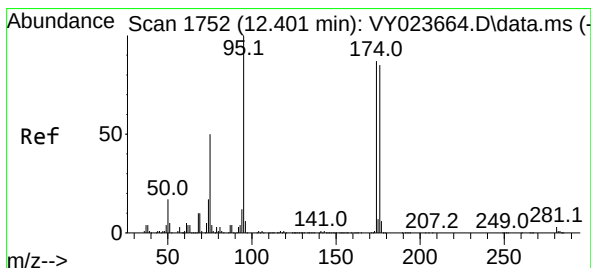
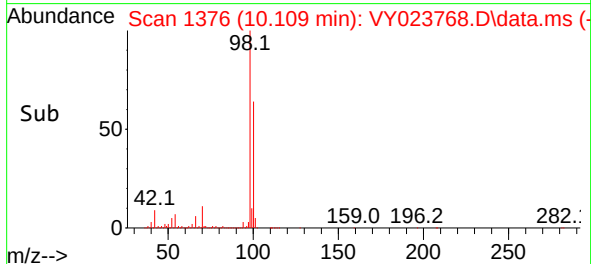
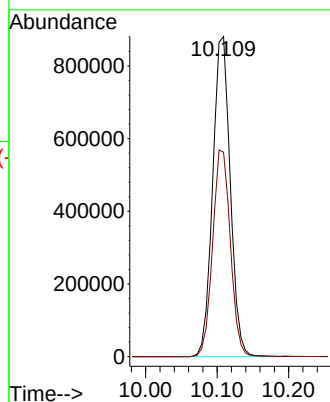
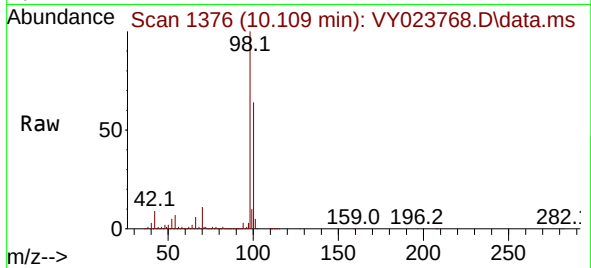




#50
Toluene-d8
Concen: 48.521 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

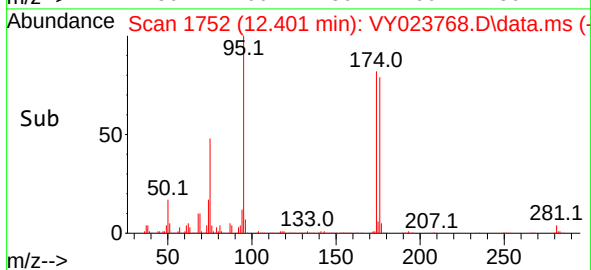
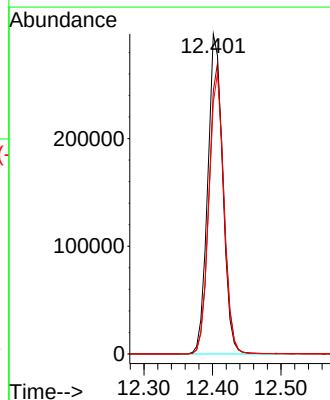
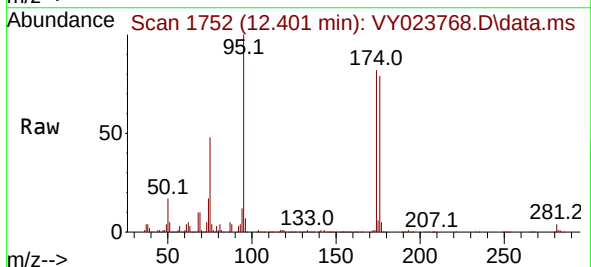
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

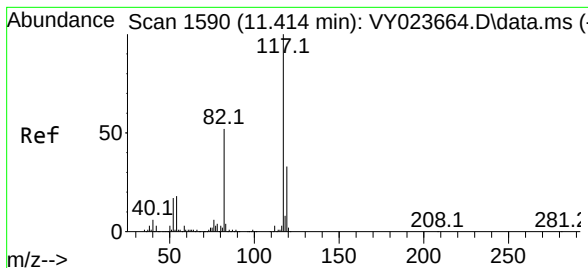
Tgt Ion: 98 Resp: 1503439
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 45.239 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

Tgt Ion: 95 Resp: 453321
Ion Ratio Lower Upper
95 100
174 90.7 0.0 184.8
176 87.6 0.0 181.6

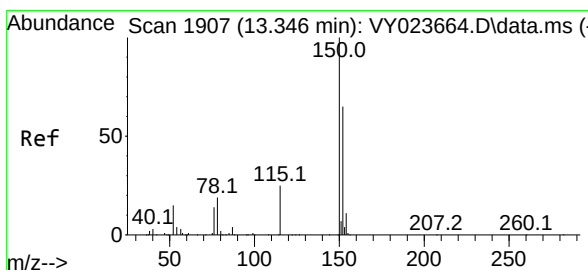
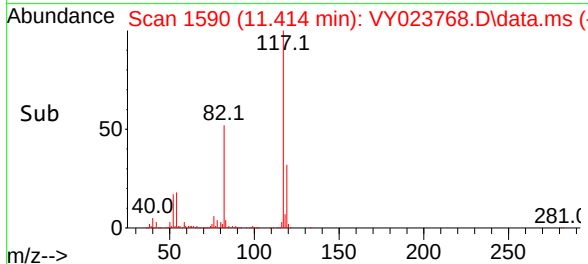
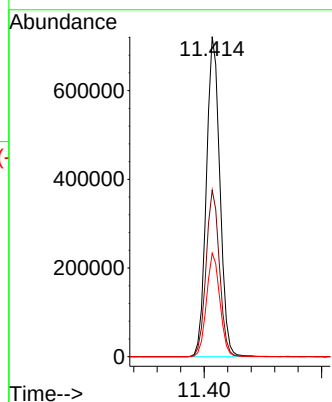
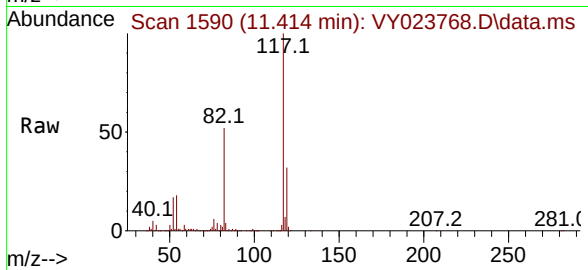




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Tgt Ion:117 Resp: 1154176
Ion Ratio Lower Upper
117 100
82 52.1 41.2 61.8
119 32.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

Tgt Ion:152 Resp: 463172
Ion Ratio Lower Upper
152 100
115 56.2 27.5 82.5
150 157.7 0.0 349.0

