

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022551.D
 Acq On : 04 Jun 2025 15:24
 Operator : SY/MD
 Sample : Q2199-06
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11978

Quant Time: Jun 05 04:17:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	133191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	237754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	186808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	66998	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	81414	54.652	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.300%
35) Dibromofluoromethane	7.628	113	72382	51.005	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.020%
50) Toluene-d8	10.103	98	280423	48.905	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.800%
62) 4-Bromofluorobenzene	12.401	95	70259	41.124	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.240%

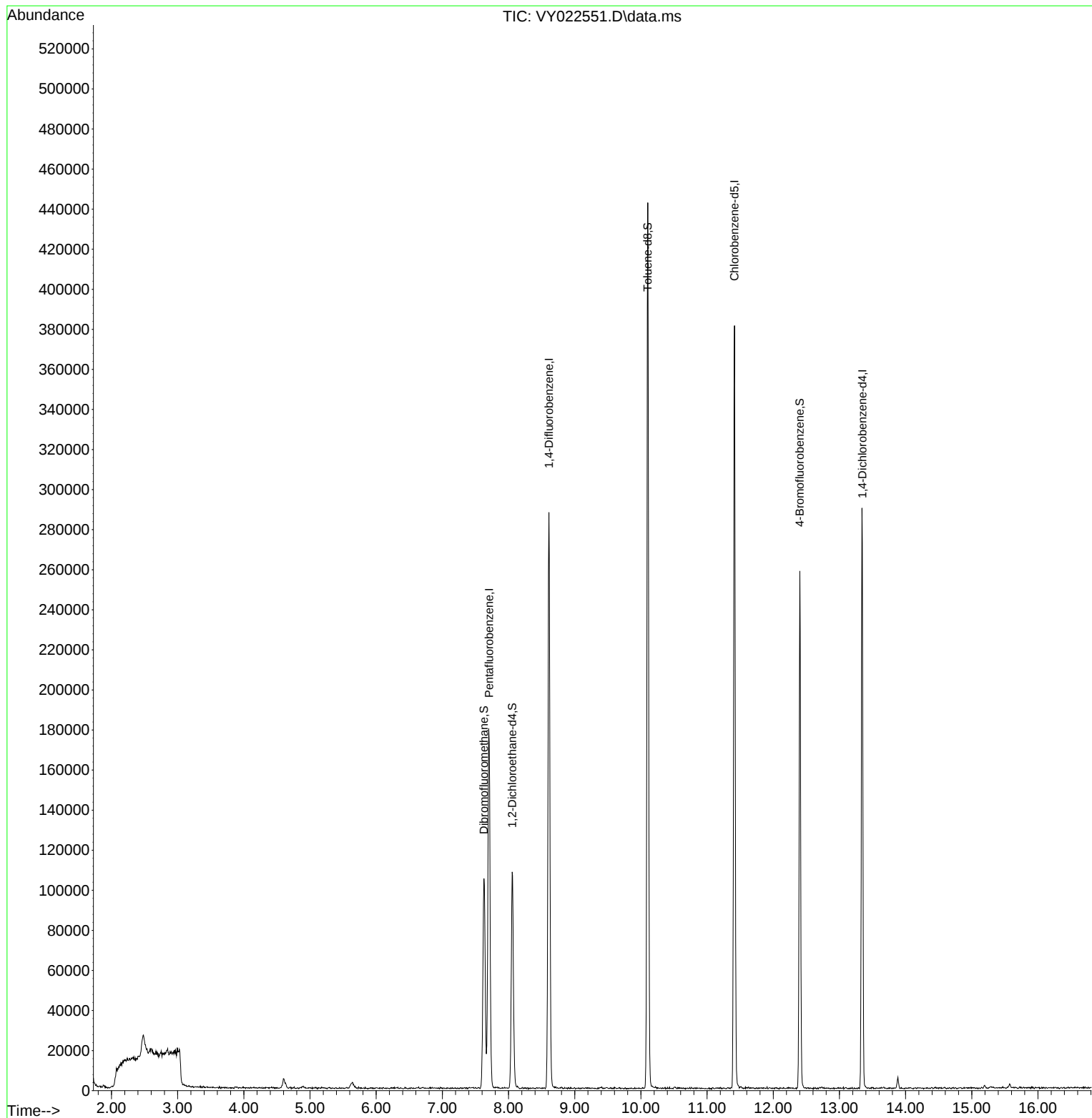
Target Compounds	Qvalue

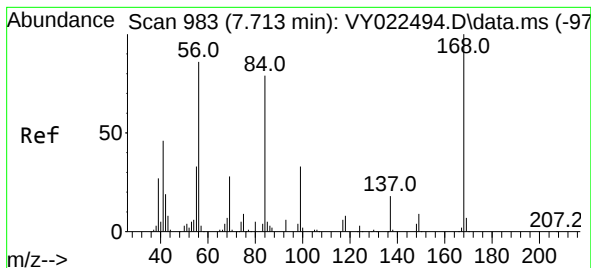
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022551.D

Acq: 04 Jun 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

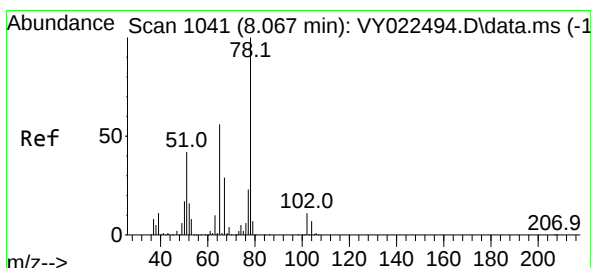
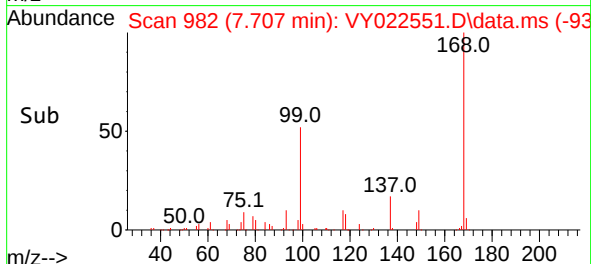
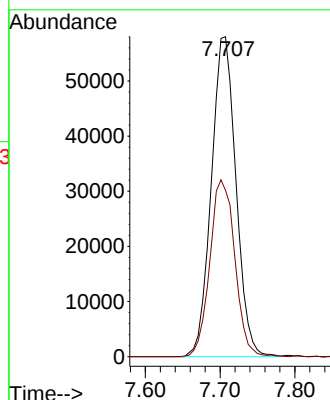
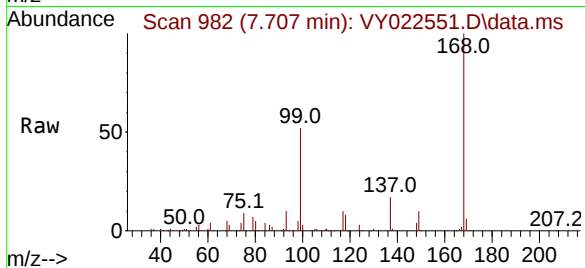
72-11978

Tgt Ion:168 Resp: 133191

Ion Ratio Lower Upper

168 100

99 52.0 44.3 66.5



#33

1,2-Dichloroethane-d4

Concen: 54.652 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022551.D

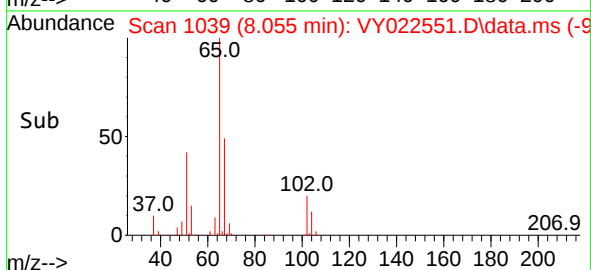
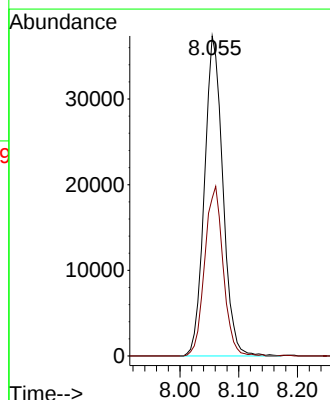
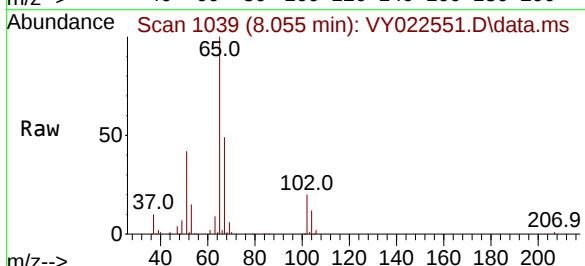
Acq: 04 Jun 2025 15:24

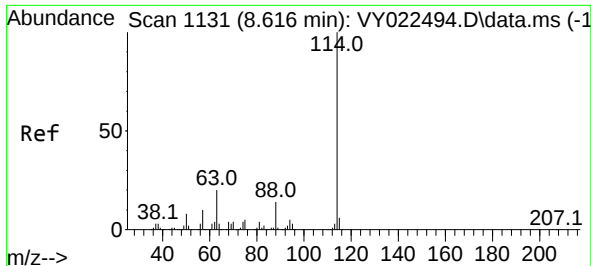
Tgt Ion: 65 Resp: 81414

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022551.D

Acq: 04 Jun 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

72-11978

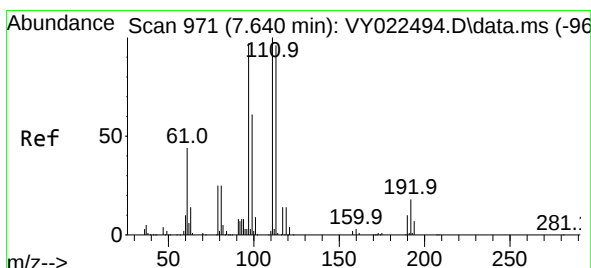
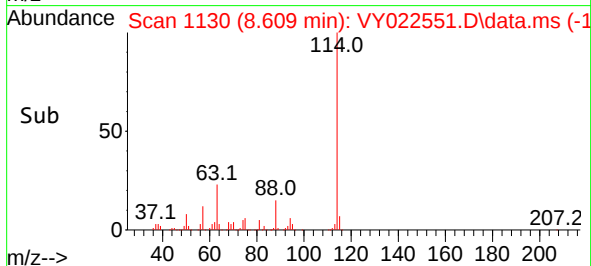
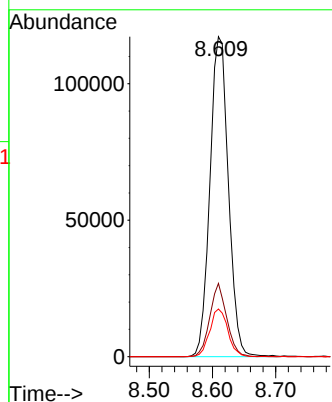
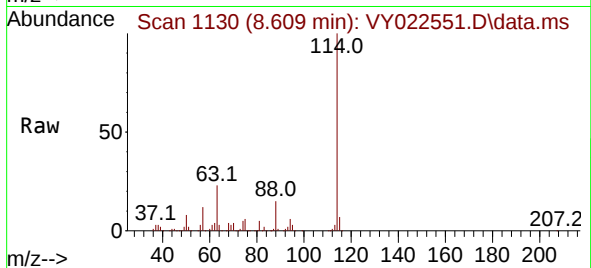
Tgt Ion:114 Resp: 237754

Ion Ratio Lower Upper

114 100

63 22.9 0.0 40.8

88 14.9 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.005 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022551.D

Acq: 04 Jun 2025 15:24

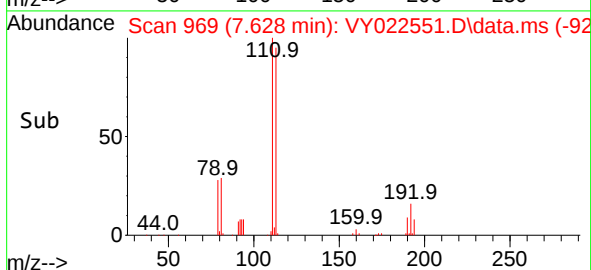
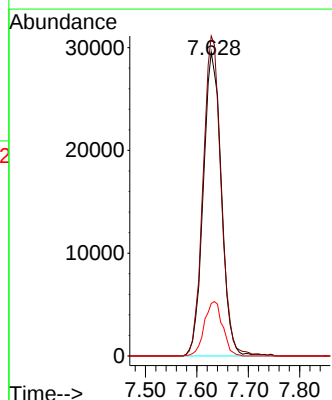
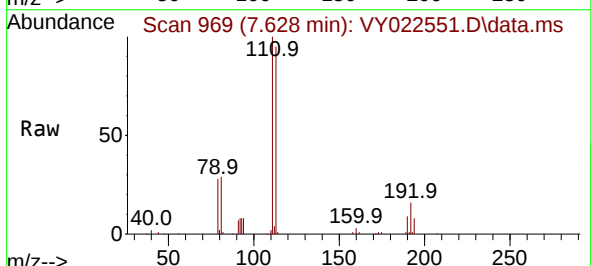
Tgt Ion:113 Resp: 72382

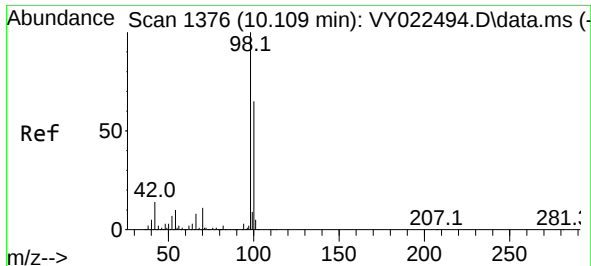
Ion Ratio Lower Upper

113 100

111 104.7 81.1 121.7

192 18.1 14.2 21.2

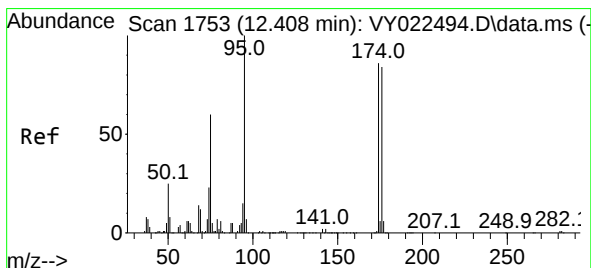
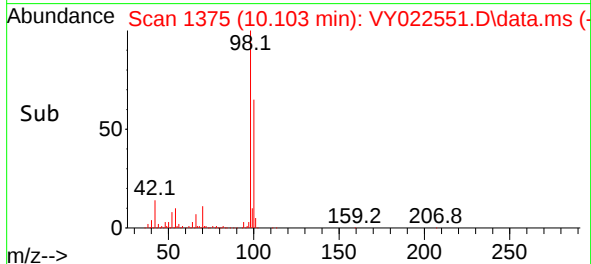
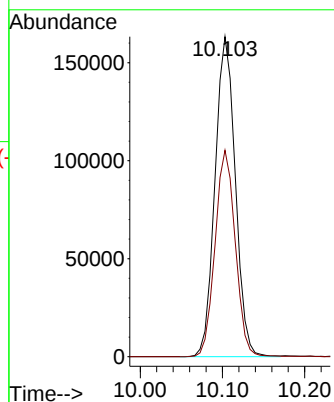
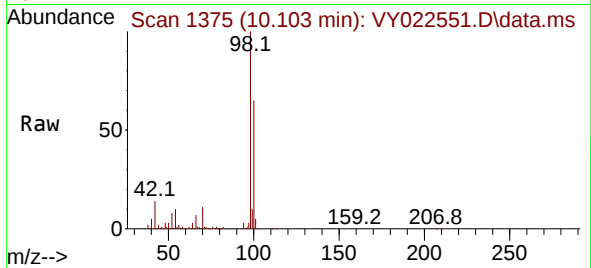




#50
Toluene-d8
Concen: 48.905 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022551.D
Acq: 04 Jun 2025 15:24

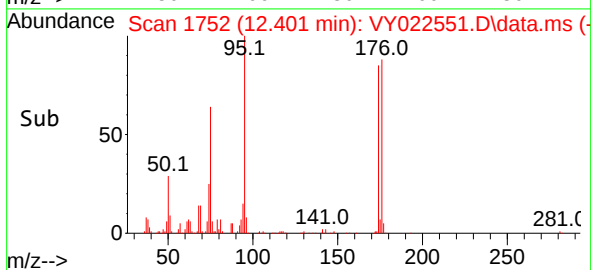
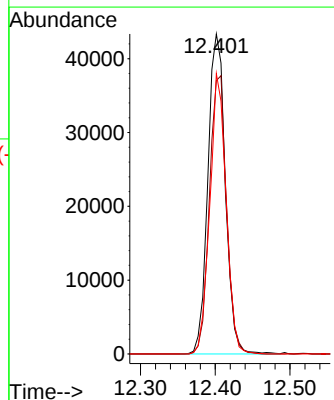
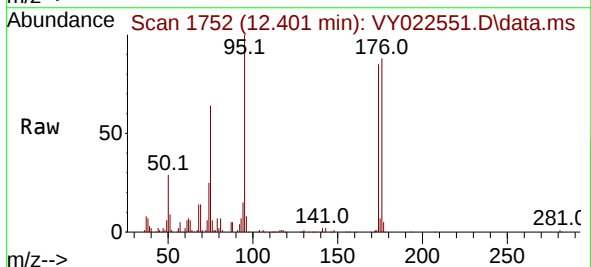
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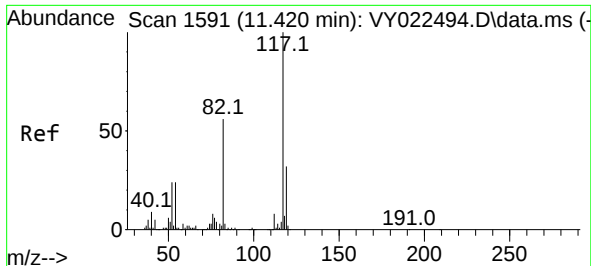
Tgt Ion: 98 Resp: 280423
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 41.124 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022551.D
Acq: 04 Jun 2025 15:24

Tgt Ion: 95 Resp: 70259
Ion Ratio Lower Upper
95 100
174 85.3 0.0 170.0
176 81.9 0.0 166.2

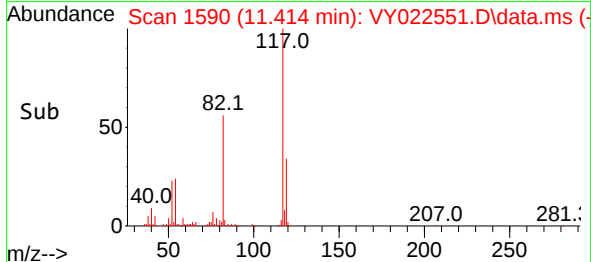
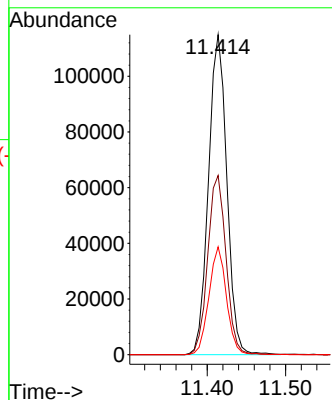
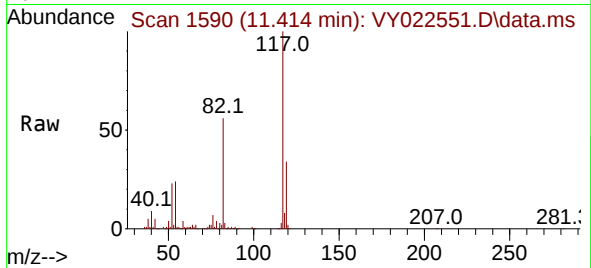




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022551.D
Acq: 04 Jun 2025 15:24

Instrument :
MSVOA_Y
ClientSampleId :
72-11978

Tgt Ion:117 Resp: 186808
Ion Ratio Lower Upper
117 100
82 56.0 44.6 66.8
119 33.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022551.D
Acq: 04 Jun 2025 15:24

Tgt Ion:152 Resp: 66998
Ion Ratio Lower Upper
152 100
115 58.5 28.9 86.7
150 158.8 0.0 349.6

