

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023699.D
 Acq On : 06 Nov 2025 14:05
 Operator : SY/MD
 Sample : Q3562-01
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-110625

Quant Time: Nov 07 04:16:05 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	7.713	168	727936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1266522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1066392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	419114	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	345481	55.639	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.280%
35) Dibromofluoromethane	7.634	113	402908	50.905	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.800%
50) Toluene-d8	10.109	98	1434667	48.660	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.407	95	410035	43.004	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.000%

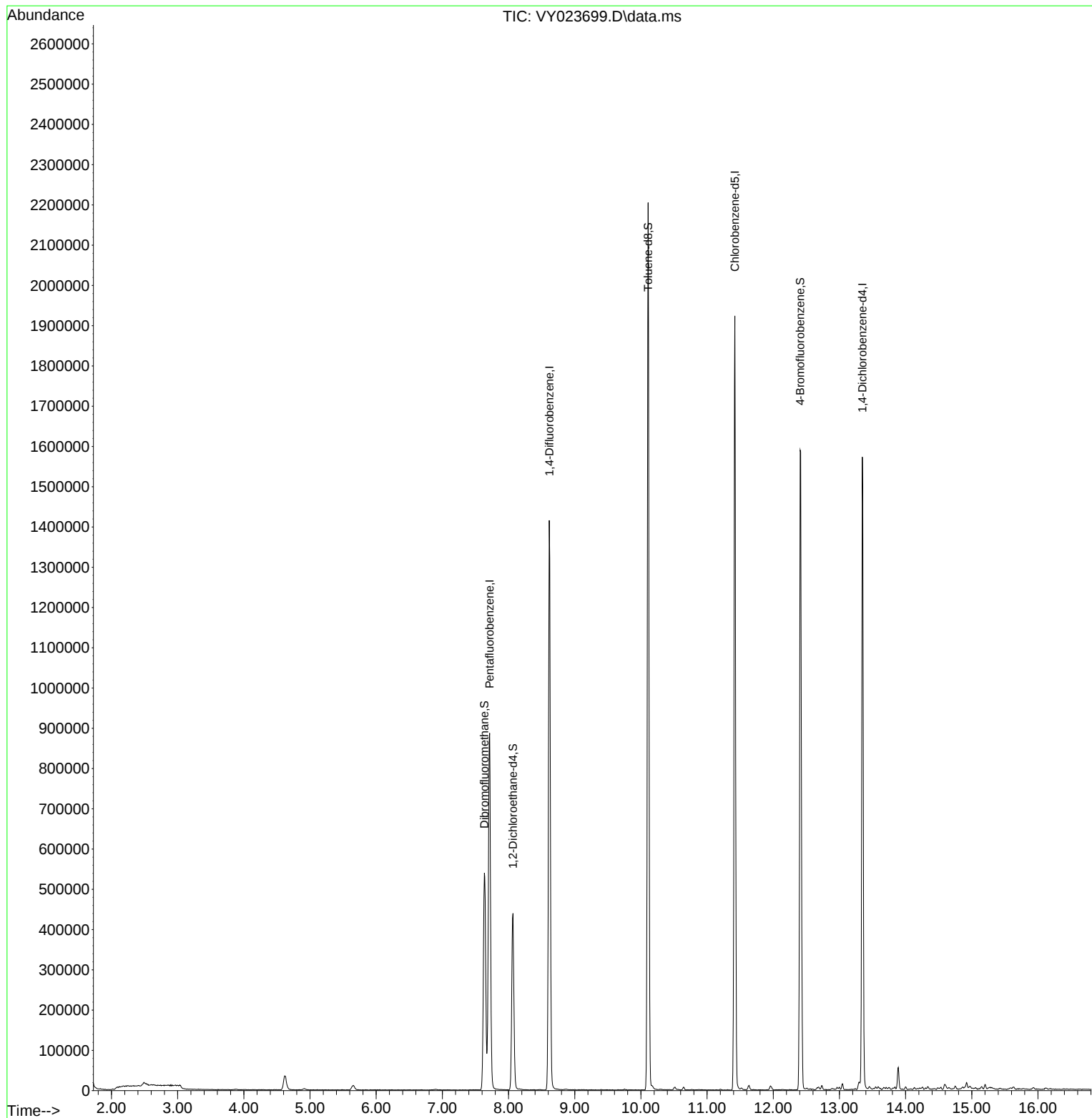
Target Compounds	Qvalue

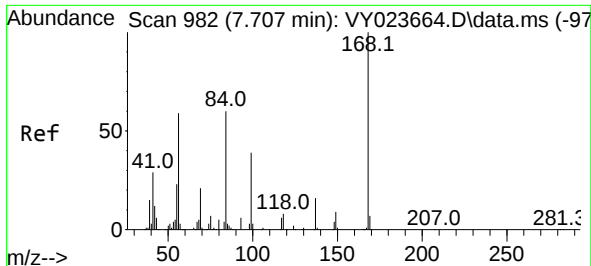
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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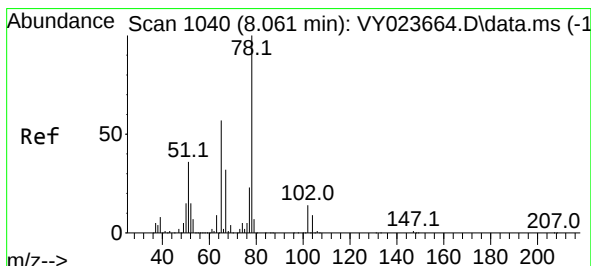
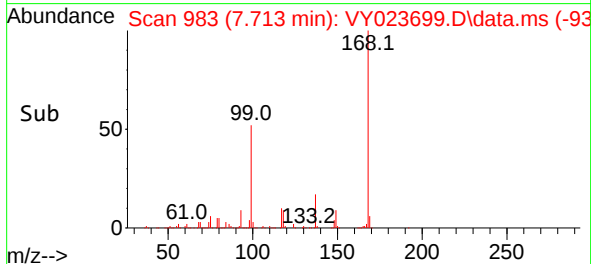
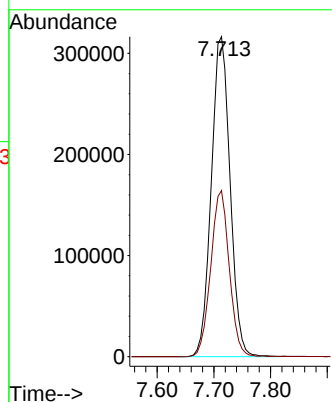
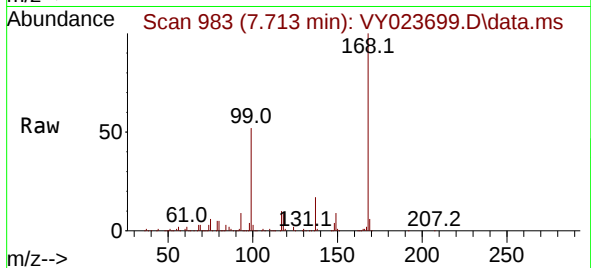




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023699.D
Acq: 06 Nov 2025 14:05

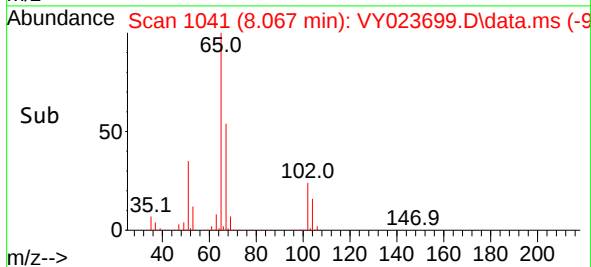
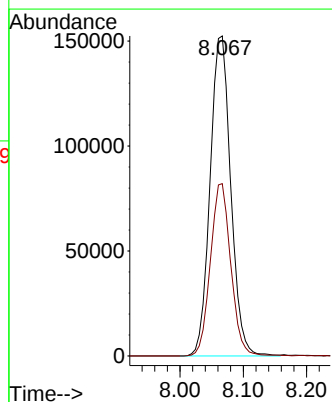
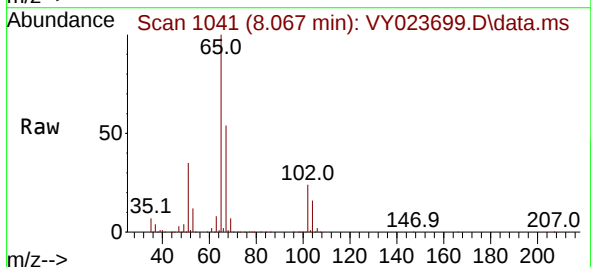
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-110625

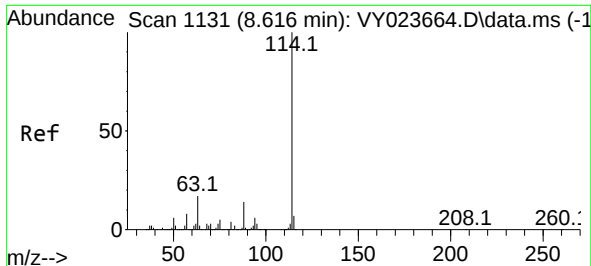
Tgt Ion:168 Resp: 727936
Ion Ratio Lower Upper
168 100
99 51.9 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 55.639 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023699.D
Acq: 06 Nov 2025 14:05

Tgt Ion: 65 Resp: 345481
Ion Ratio Lower Upper
65 100
67 53.3 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: VY023699.D

Acq: 06 Nov 2025 14:05

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-110625

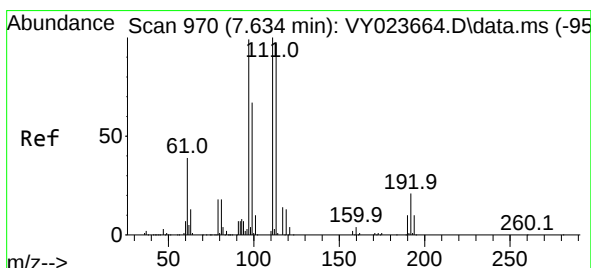
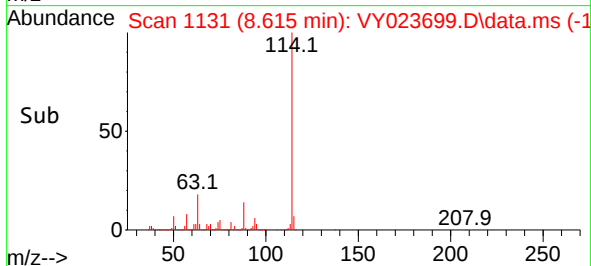
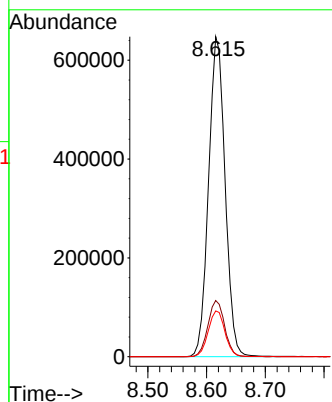
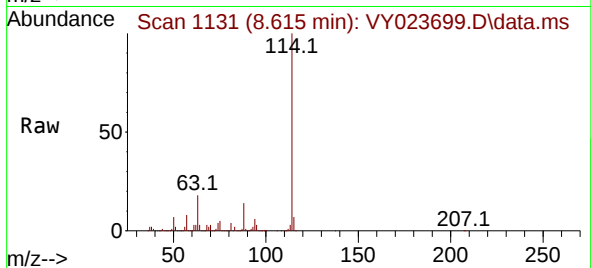
Tgt Ion:114 Resp: 1266522

Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.8

88 14.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.905 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023699.D

Acq: 06 Nov 2025 14:05

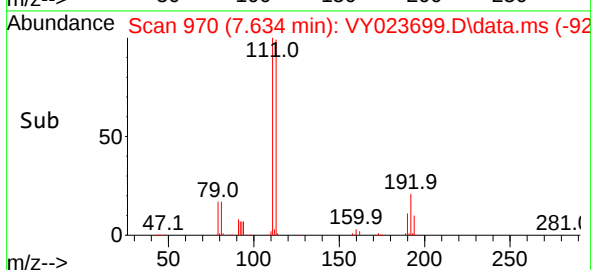
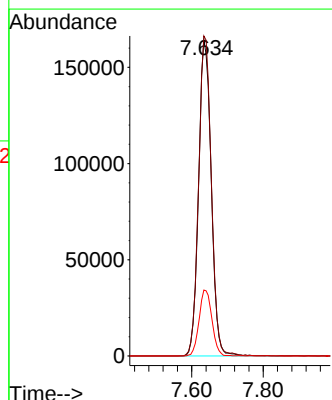
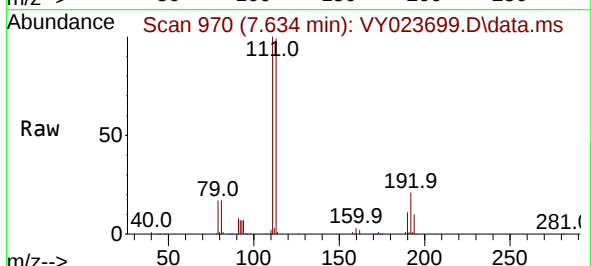
Tgt Ion:113 Resp: 402908

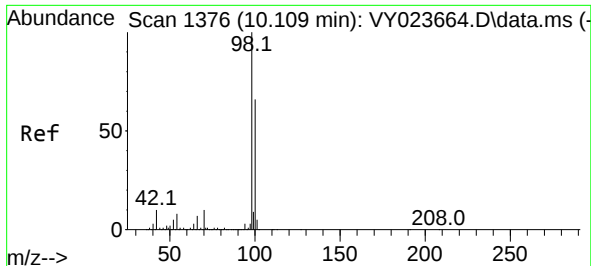
Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

192 21.2 17.3 25.9

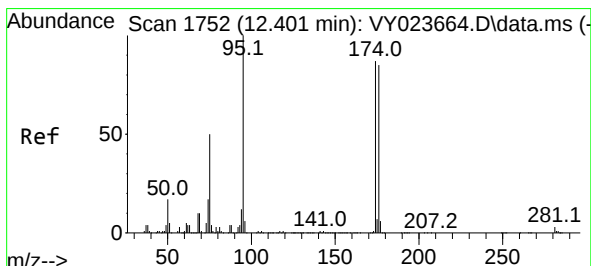
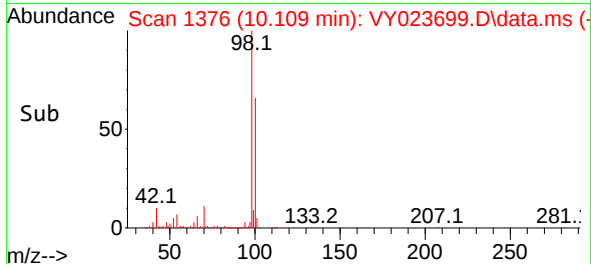
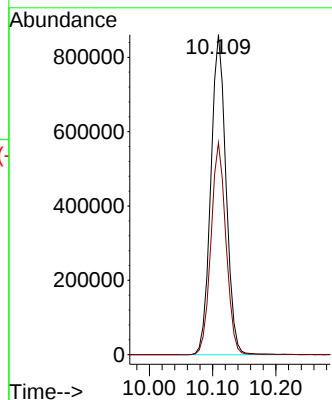
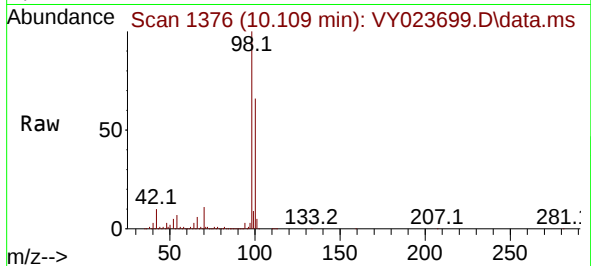




#50
Toluene-d8
Concen: 48.660 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023699.D
Acq: 06 Nov 2025 14:05

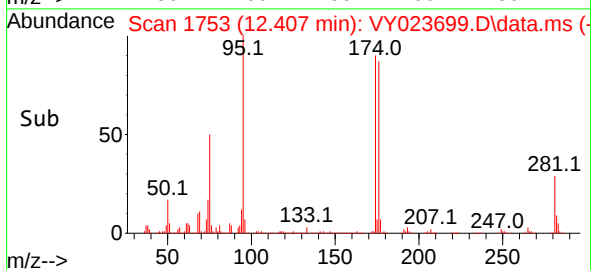
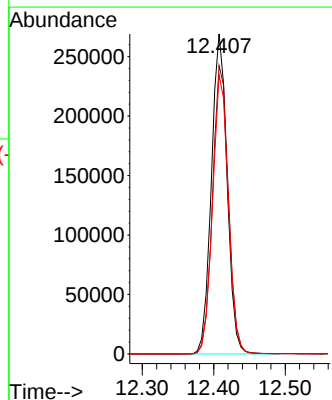
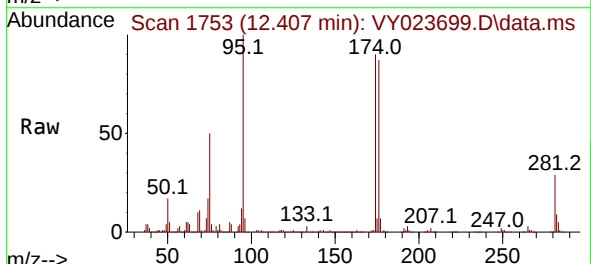
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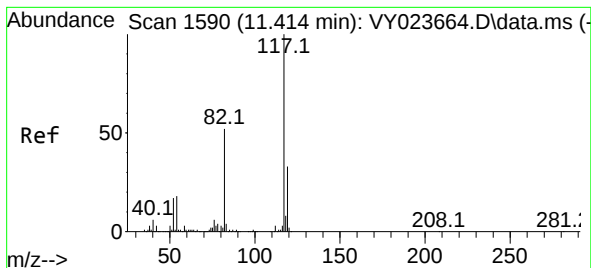
Tgt Ion: 98 Resp: 1434667
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 43.004 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023699.D
Acq: 06 Nov 2025 14:05

Tgt Ion: 95 Resp: 410035
Ion Ratio Lower Upper
95 100
174 91.2 0.0 184.8
176 87.6 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: VY023699.D

Acq: 06 Nov 2025 14:05

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-110625

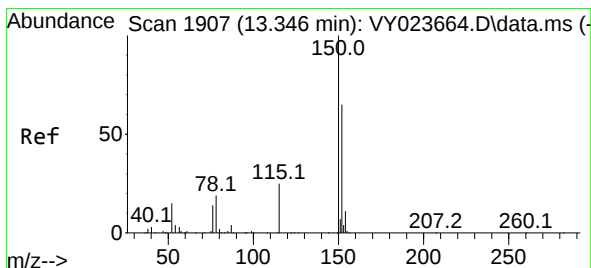
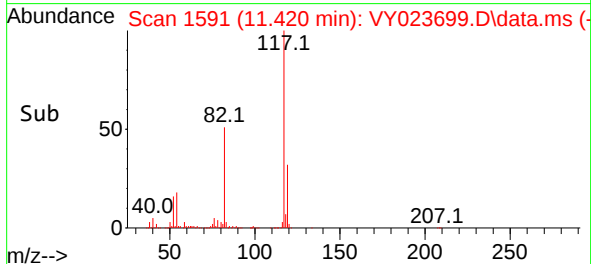
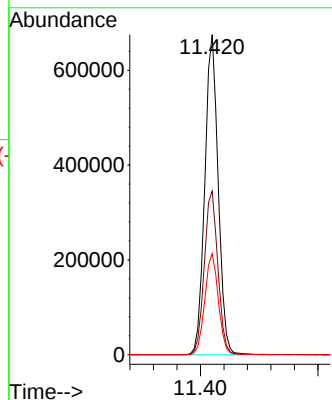
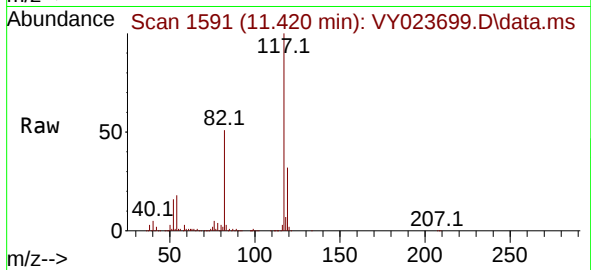
Tgt Ion:117 Resp: 1066392

Ion Ratio Lower Upper

117 100

82 51.2 41.2 61.8

119 31.6 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: VY023699.D

Acq: 06 Nov 2025 14:05

Tgt Ion:152 Resp: 419114

Ion Ratio Lower Upper

152 100

115 55.7 27.5 82.5

150 155.3 0.0 349.0

