

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023972.D
 Acq On : 15 Dec 2025 13:26
 Operator : SY/MD
 Sample : Q3854-01RE
 Misc : 4.66g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-360RE

Quant Time: Dec 16 02:14:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.725	168	76197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	92509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	68149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	18148	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	26097	38.737	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.480%
35) Dibromofluoromethane	7.646	113	30212	49.960	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.920%
50) Toluene-d8	10.115	98	98768	43.869	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.740%
62) 4-Bromofluorobenzene	12.414	95	20281	26.974	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	53.940%

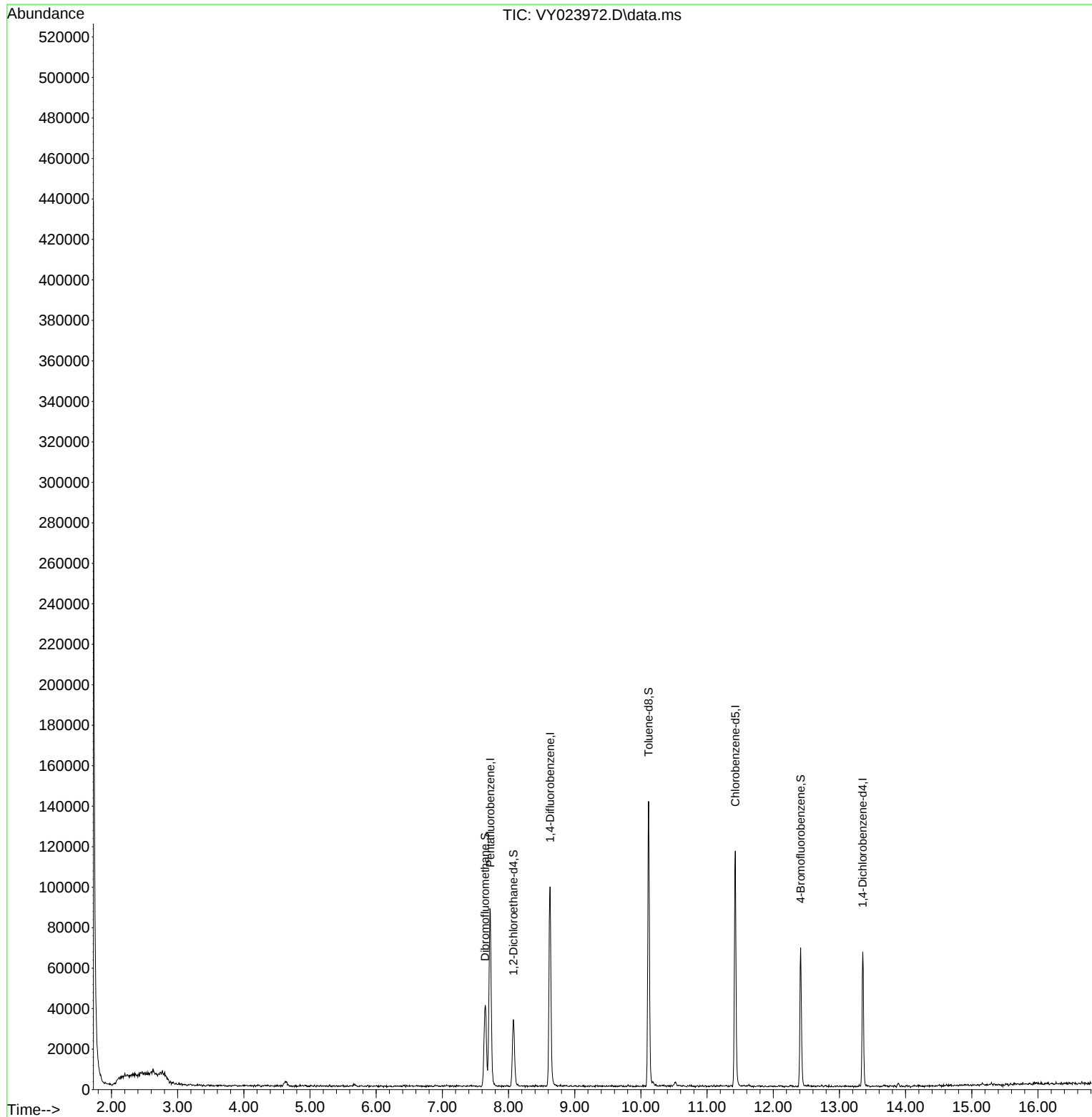
Target Compounds	Qvalue

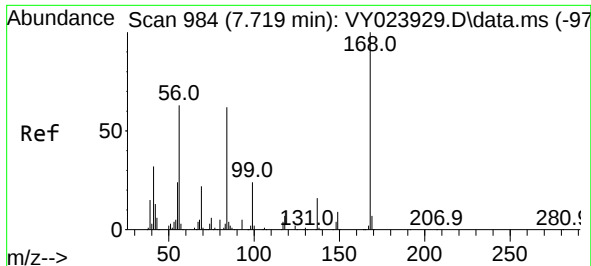
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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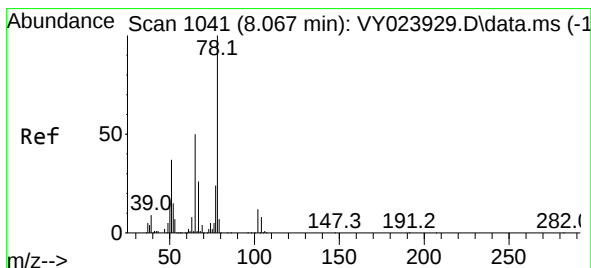
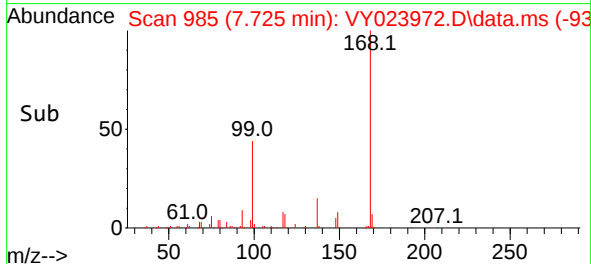
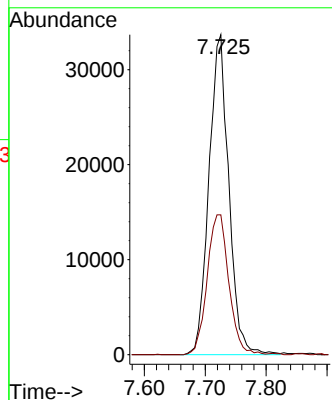
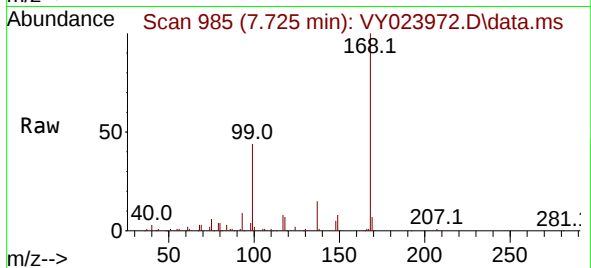




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023972.D
Acq: 15 Dec 2025 13:26

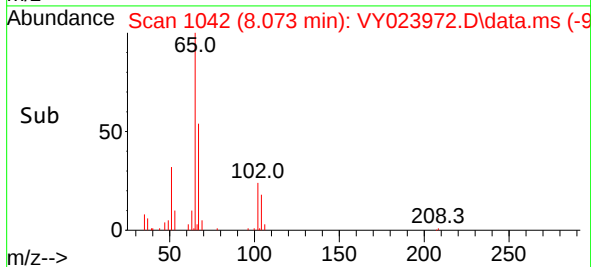
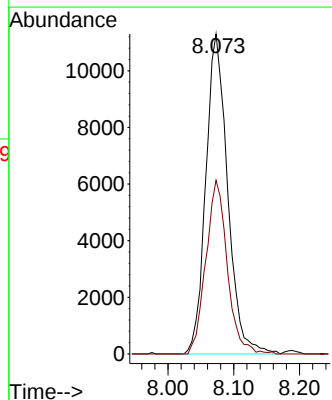
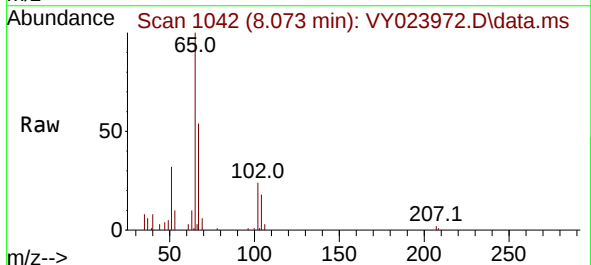
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-360RE

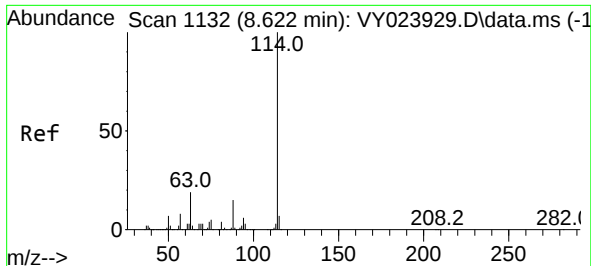
Tgt Ion:168 Resp: 76197
Ion Ratio Lower Upper
168 100
99 43.7 38.9 58.3



#33
1,2-Dichloroethane-d4
Concen: 38.737 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY023972.D
Acq: 15 Dec 2025 13:26

Tgt Ion: 65 Resp: 26097
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.2

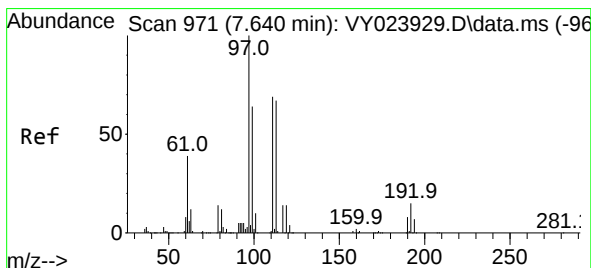
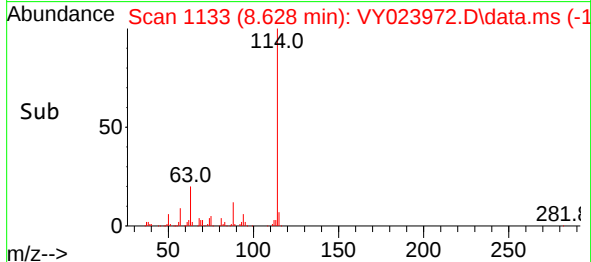
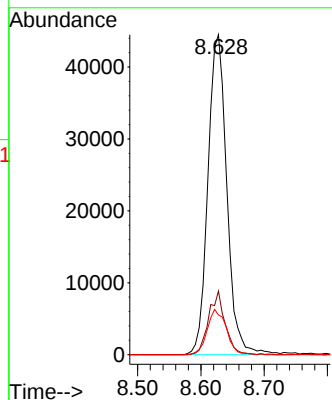
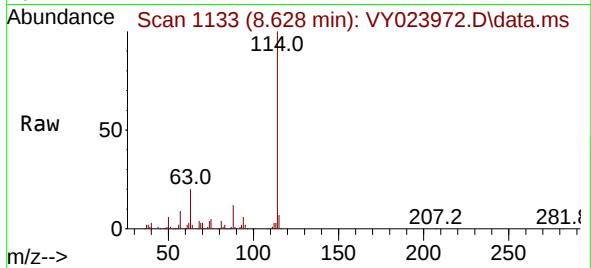




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023972.D
Acq: 15 Dec 2025 13:26

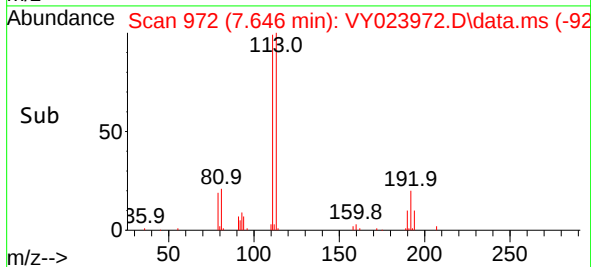
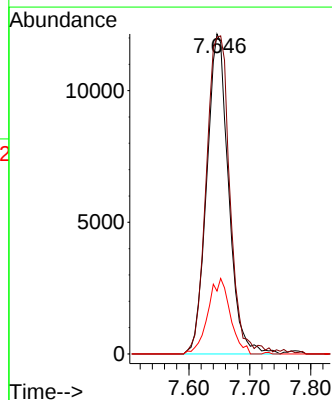
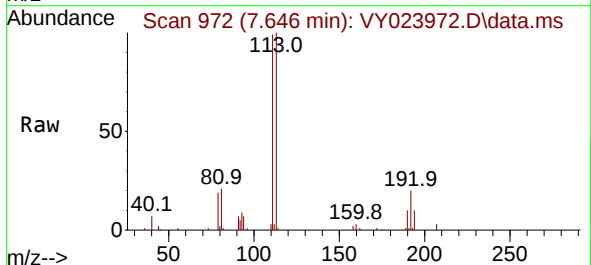
Instrument :
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ClientSampleId :
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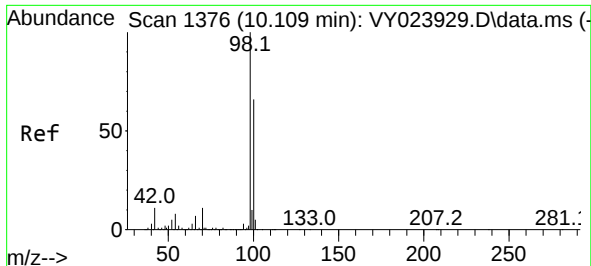
Tgt Ion:114 Resp: 92509
Ion Ratio Lower Upper
114 100
63 19.9 0.0 37.2
88 12.4 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.960 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY023972.D
Acq: 15 Dec 2025 13:26

Tgt Ion:113 Resp: 30212
Ion Ratio Lower Upper
113 100
111 108.0 82.4 123.6
192 24.1 17.9 26.9

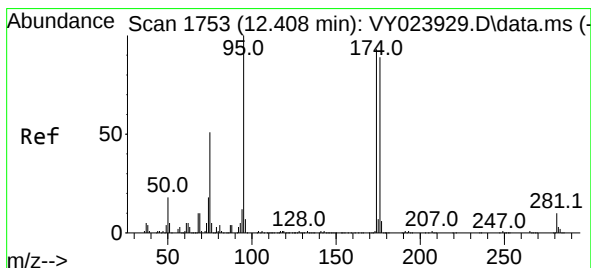
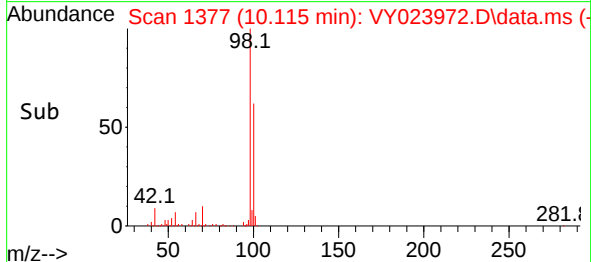
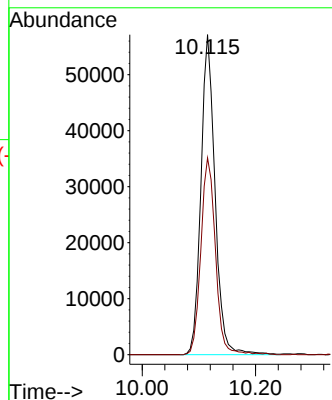
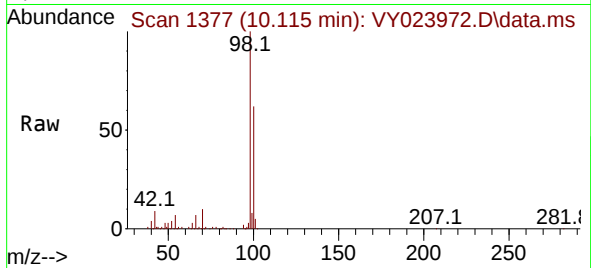




#50
Toluene-d8
Concen: 43.869 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023972.D
Acq: 15 Dec 2025 13:26

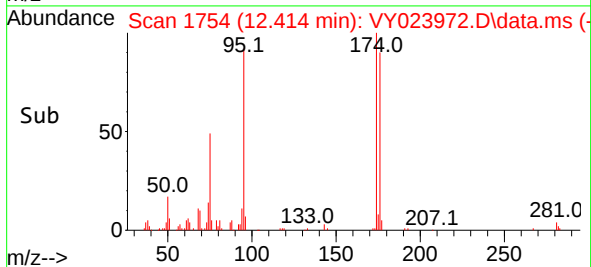
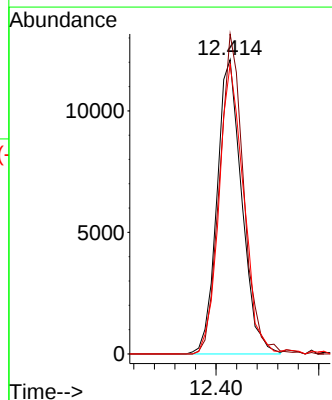
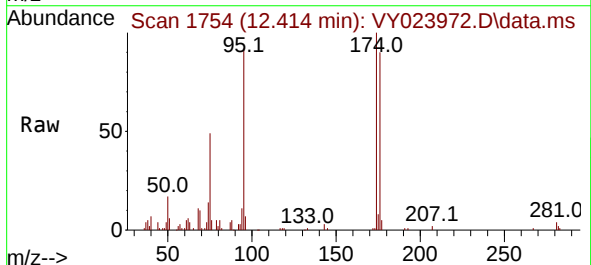
Instrument :
MSVOA_Y
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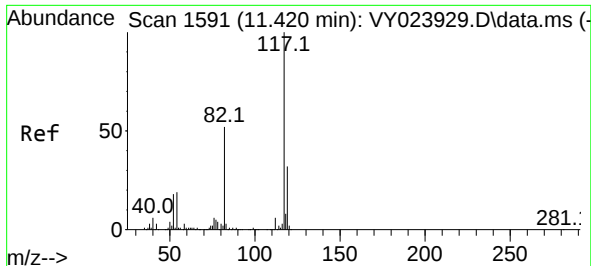
Tgt Ion: 98 Resp: 98768
Ion Ratio Lower Upper
98 100
100 63.6 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 26.974 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023972.D
Acq: 15 Dec 2025 13:26

Tgt Ion: 95 Resp: 20281
Ion Ratio Lower Upper
95 100
174 105.6 0.0 187.4
176 97.5 0.0 179.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023972.D

Acq: 15 Dec 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-360RE

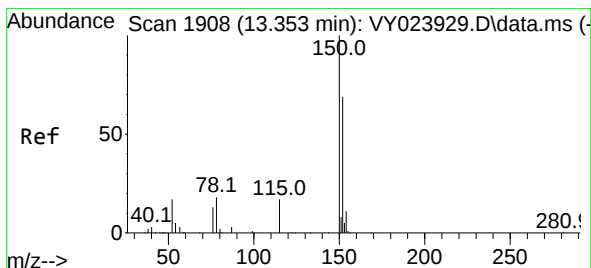
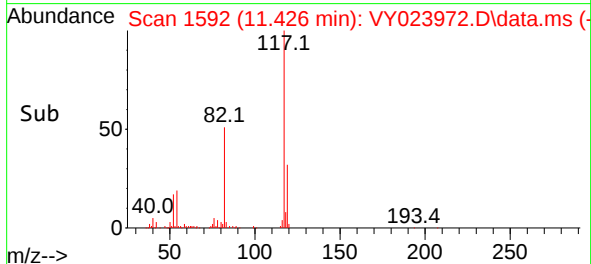
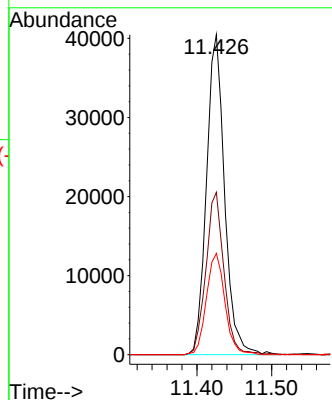
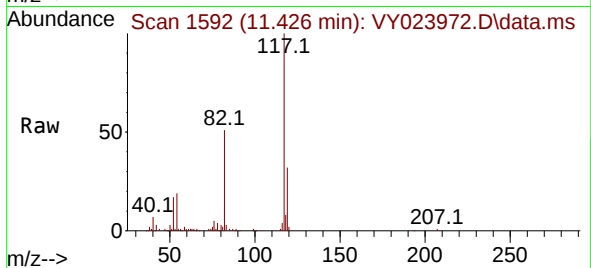
Tgt Ion:117 Resp: 68149

Ion Ratio Lower Upper

117 100

82 50.7 41.4 62.2

119 31.7 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY023972.D

Acq: 15 Dec 2025 13:26

Tgt Ion:152 Resp: 18148

Ion Ratio Lower Upper

152 100

115 55.7 27.3 81.9

150 158.7 0.0 347.6

