

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023967.D
 Acq On : 15 Dec 2025 11:29
 Operator : SY/MD
 Sample : Q3854-01
 Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-360

Quant Time: Dec 16 02:12:42 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	7.719	168	36043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	44892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	29562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	5222	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	12717	39.906	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.820%
35) Dibromofluoromethane	7.652	113	12765	43.499	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.000%
50) Toluene-d8	10.115	98	46632	42.681	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.360%
62) 4-Bromofluorobenzene	12.414	95	7295	19.994	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	39.980%

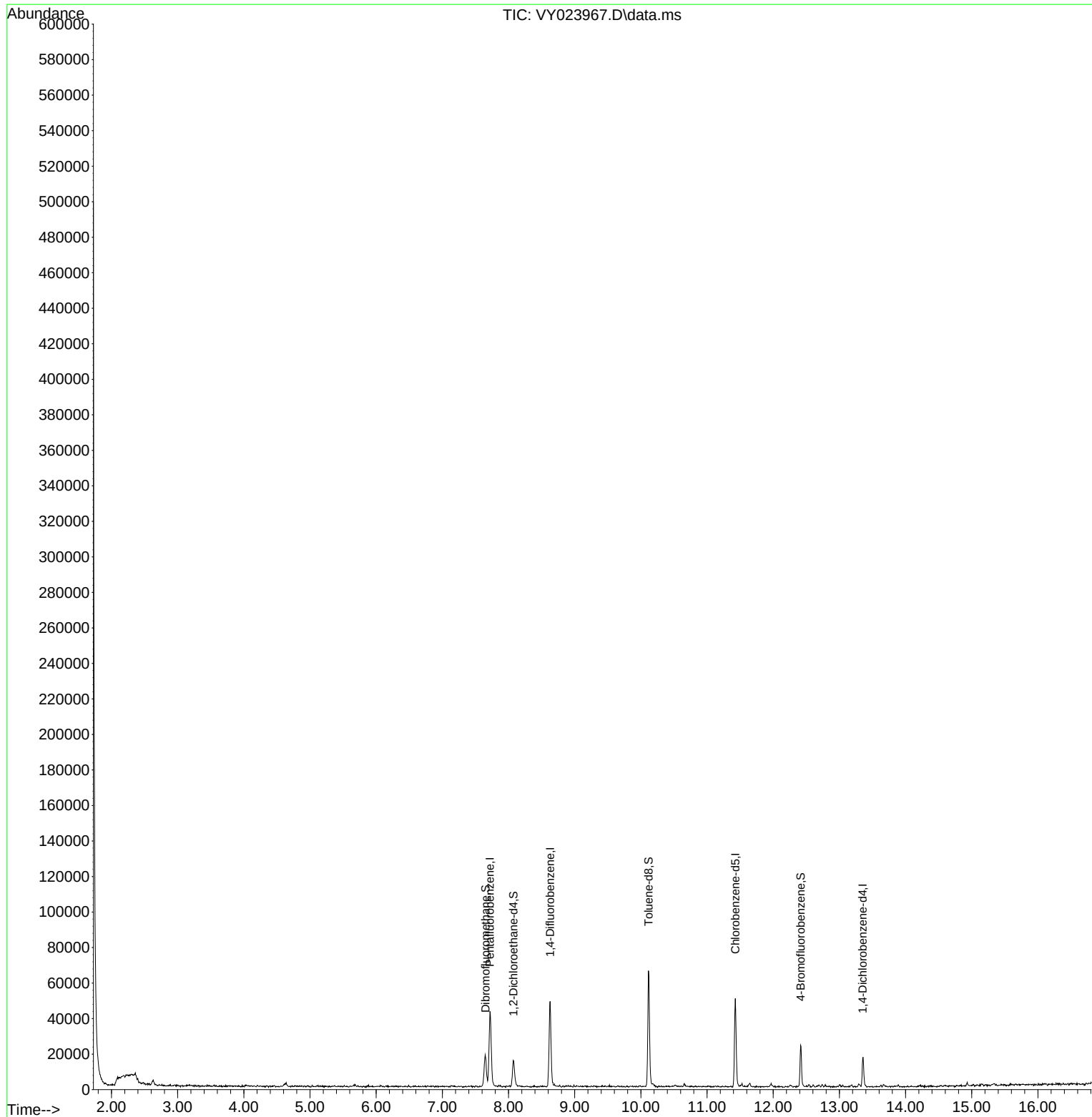
Target Compounds	Qvalue

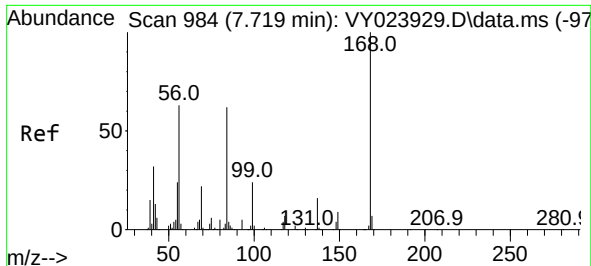
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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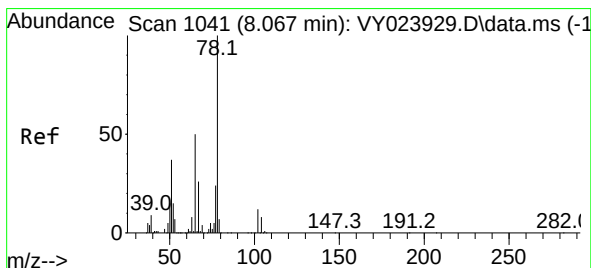
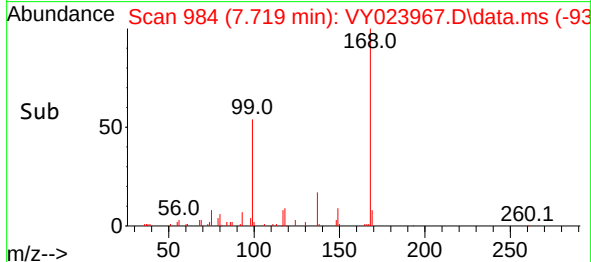
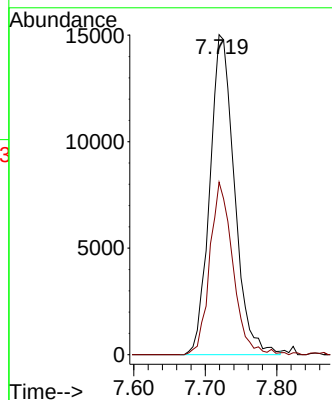
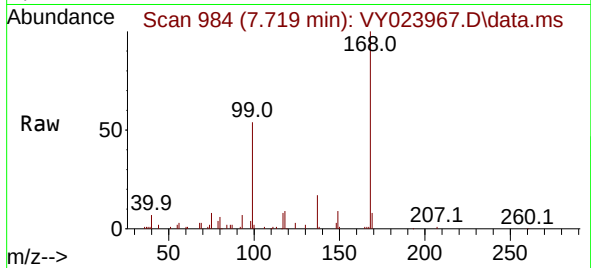




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023967.D
Acq: 15 Dec 2025 11:29

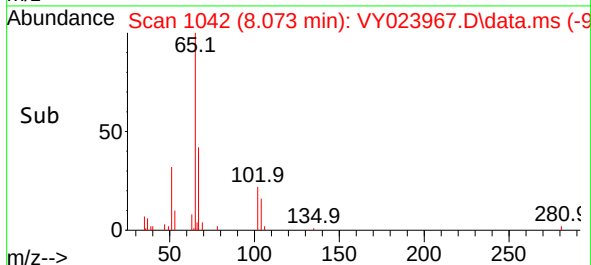
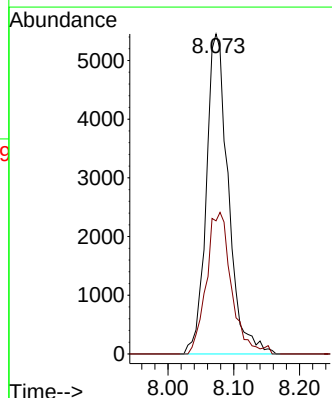
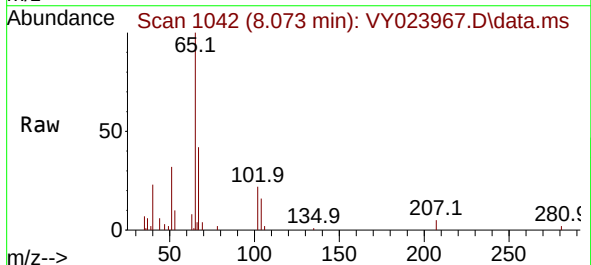
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-360

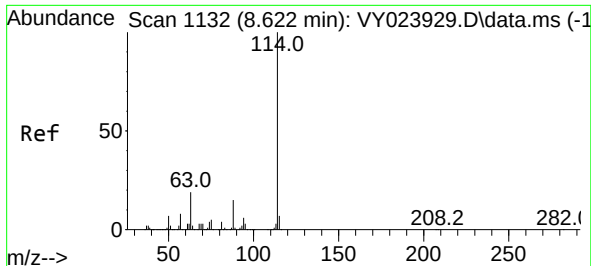
Tgt Ion:168 Resp: 36043
Ion Ratio Lower Upper
168 100
99 53.9 38.9 58.3



#33
1,2-Dichloroethane-d4
Concen: 39.906 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY023967.D
Acq: 15 Dec 2025 11:29

Tgt Ion: 65 Resp: 12717
Ion Ratio Lower Upper
65 100
67 50.2 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: VY023967.D

Acq: 15 Dec 2025 11:29

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-360

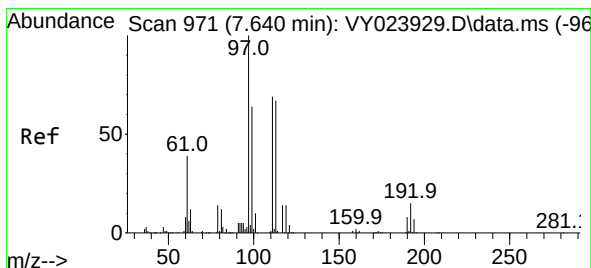
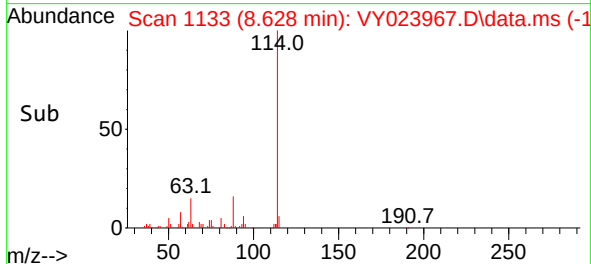
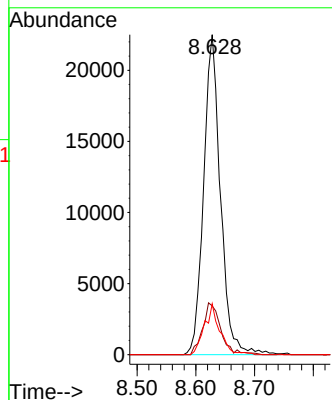
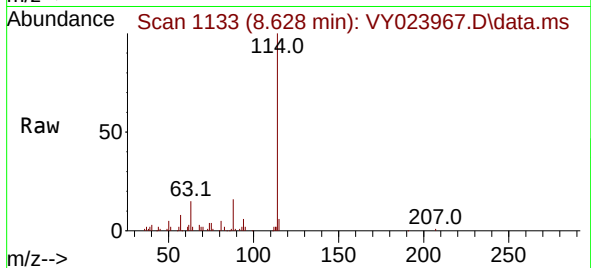
Tgt Ion:114 Resp: 44892

Ion Ratio Lower Upper

114 100

63 15.2 0.0 37.2

88 15.9 0.0 29.4



#35

Dibromofluoromethane

Concen: 43.499 ug/l

RT: 7.652 min Scan# 973

Delta R.T. 0.012 min

Lab File: VY023967.D

Acq: 15 Dec 2025 11:29

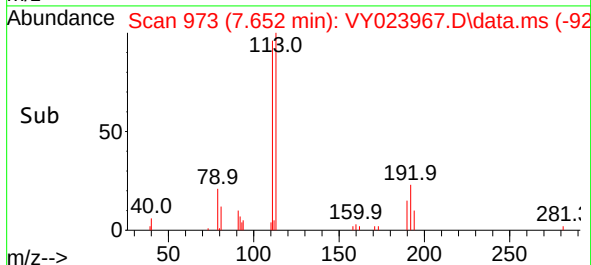
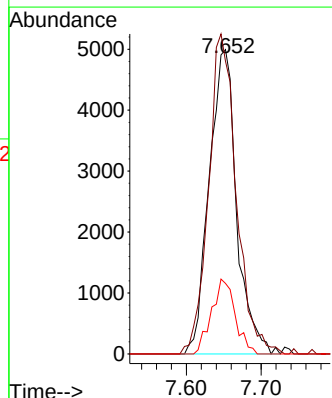
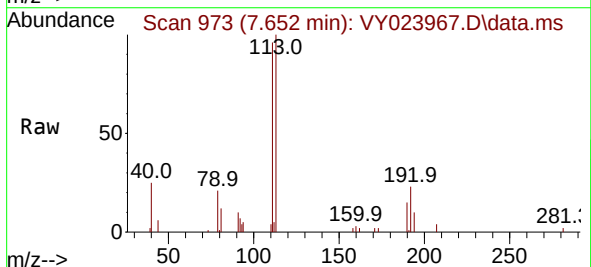
Tgt Ion:113 Resp: 12765

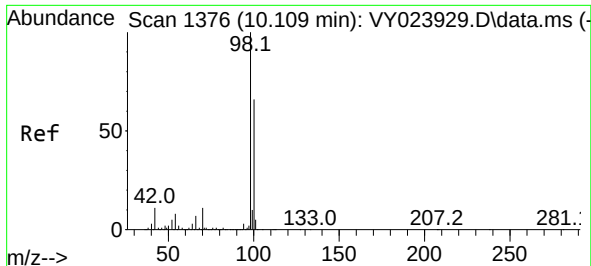
Ion Ratio Lower Upper

113 100

111 106.0 82.4 123.6

192 21.1 17.9 26.9

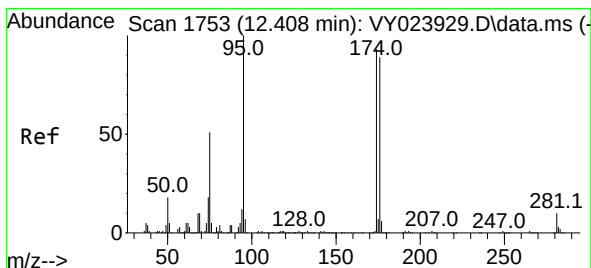
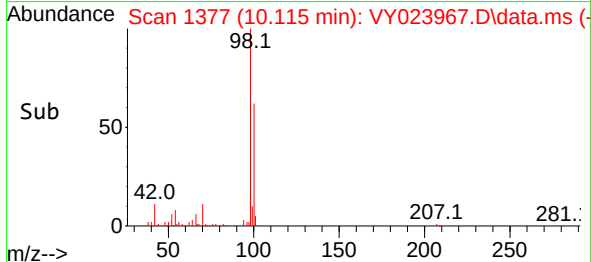
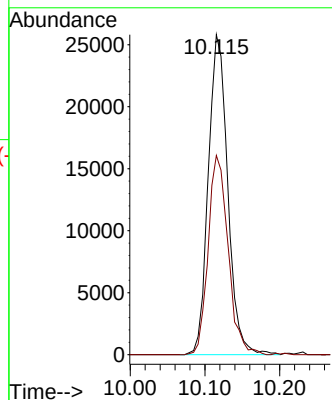
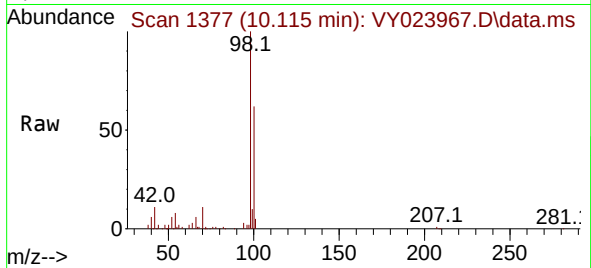




#50
Toluene-d8
Concen: 42.681 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023967.D
Acq: 15 Dec 2025 11:29

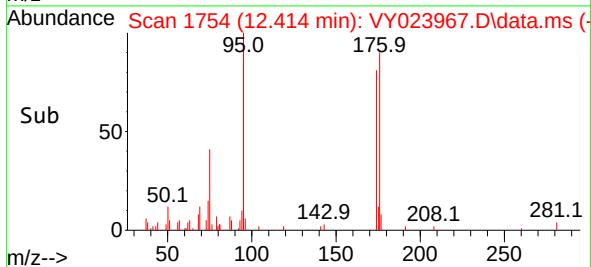
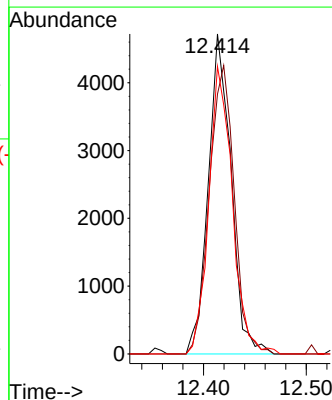
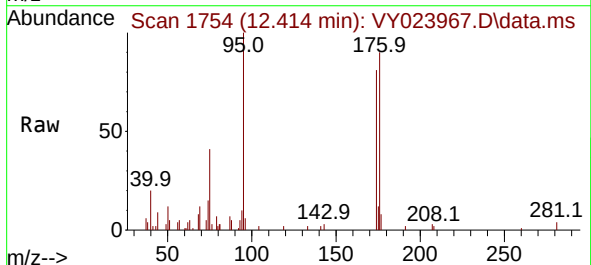
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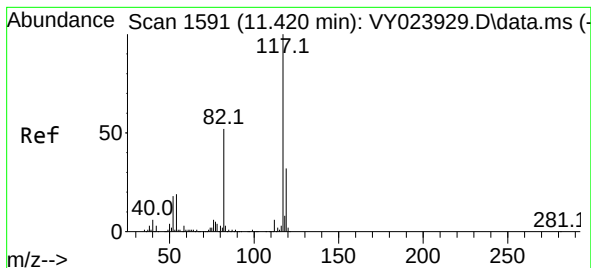
Tgt Ion: 98 Resp: 46632
Ion Ratio Lower Upper
98 100
100 63.9 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 19.994 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023967.D
Acq: 15 Dec 2025 11:29

Tgt Ion: 95 Resp: 7295
Ion Ratio Lower Upper
95 100
174 98.1 0.0 187.4
176 92.7 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: VY023967.D

Acq: 15 Dec 2025 11:29

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-360

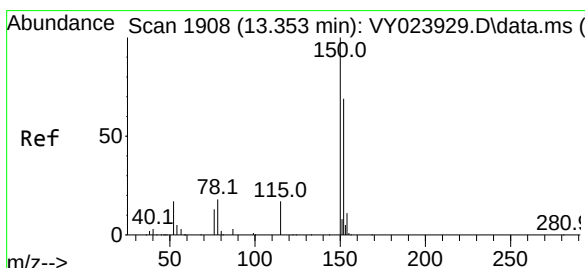
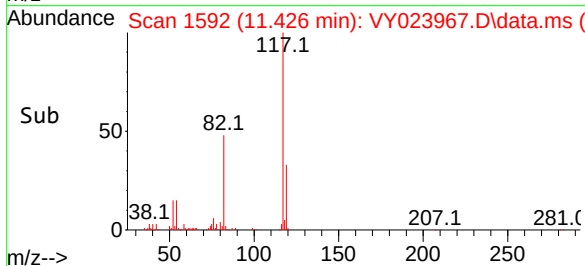
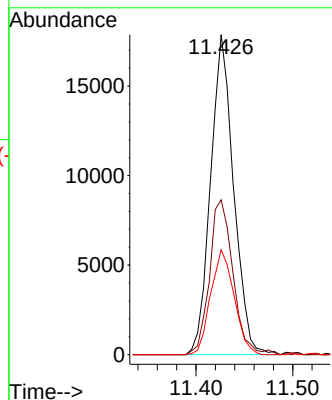
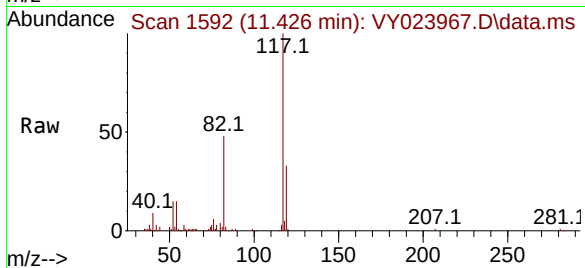
Tgt Ion:117 Resp: 29562

Ion Ratio Lower Upper

117 100

82 48.4 41.4 62.2

119 32.8 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: VY023967.D

Acq: 15 Dec 2025 11:29

Tgt Ion:152 Resp: 5222

Ion Ratio Lower Upper

152 100

115 49.9 27.3 81.9

150 142.8 0.0 347.6

