

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022564.D
 Acq On : 05 Jun 2025 11:12
 Operator : SY/MD
 Sample : Q2199-02RE
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-343RE

Quant Time: Jun 06 01:21:51 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	5569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	10454	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	6653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	912	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	3444	55.293	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.580%
35) Dibromofluoromethane	7.628	113	1943	31.139	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	62.280%
50) Toluene-d8	10.109	98	11138	44.176	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.360%
62) 4-Bromofluorobenzene	12.408	95	1737	23.123	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	46.240%

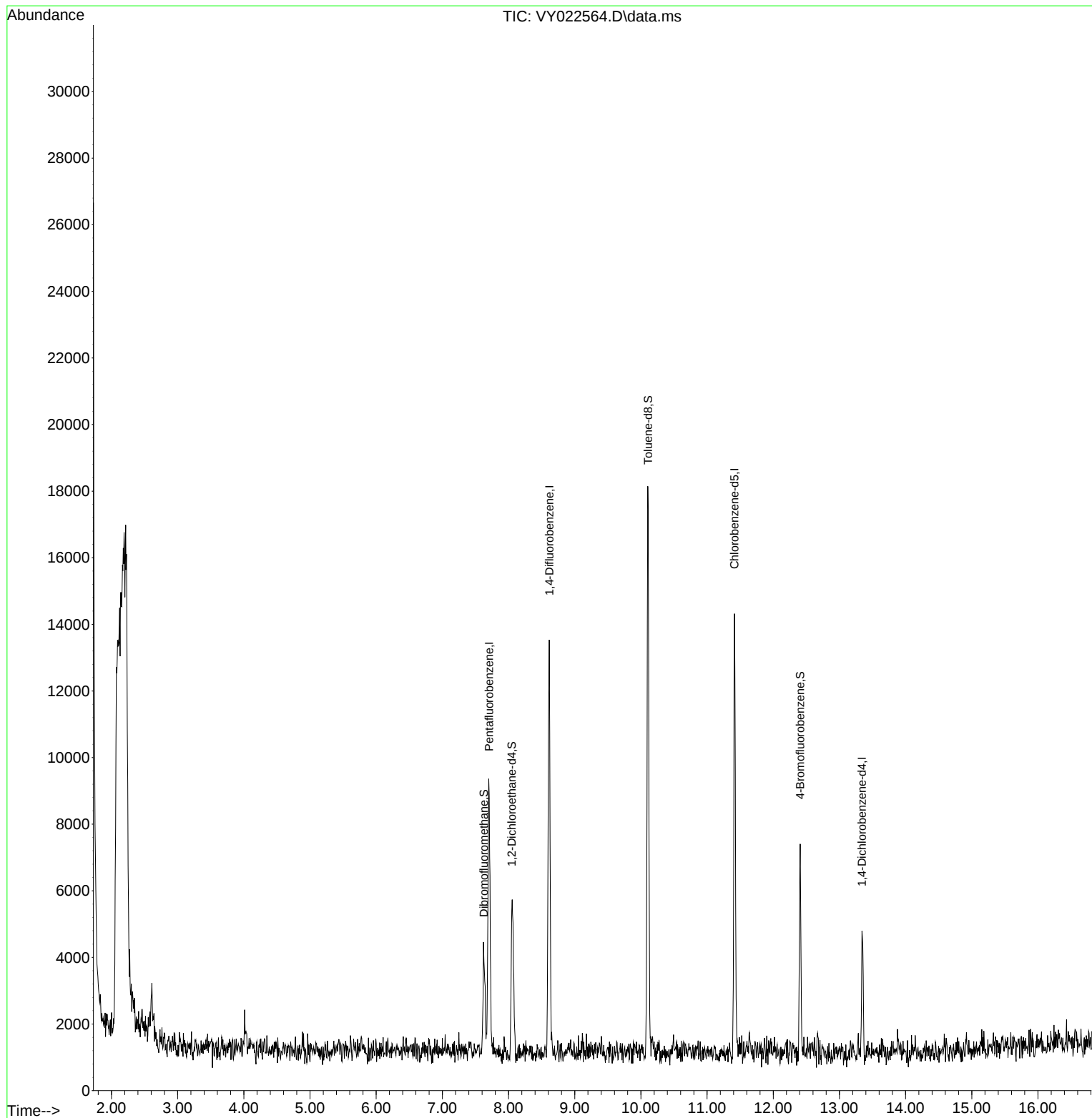
Target Compounds	Qvalue

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

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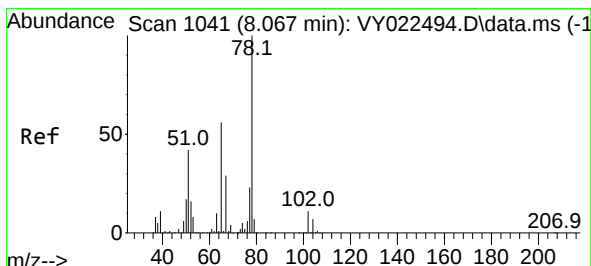
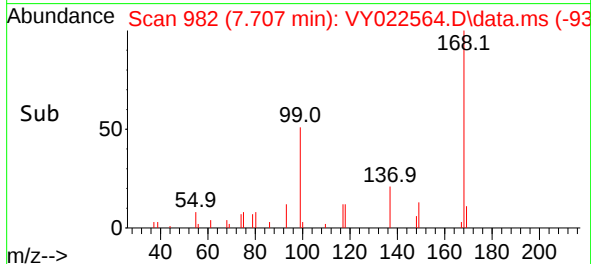
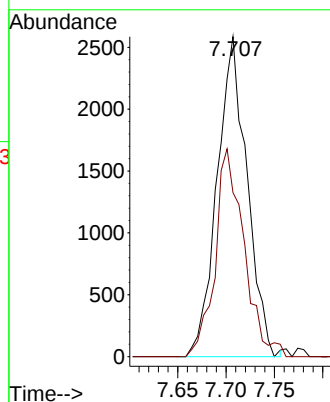
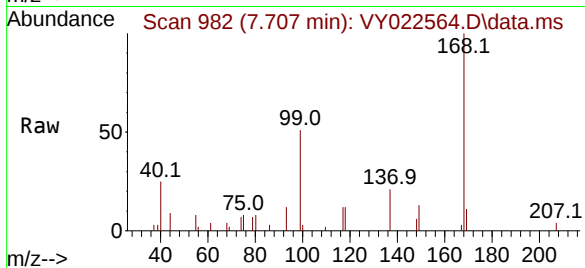




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022564.D
Acq: 05 Jun 2025 11:12

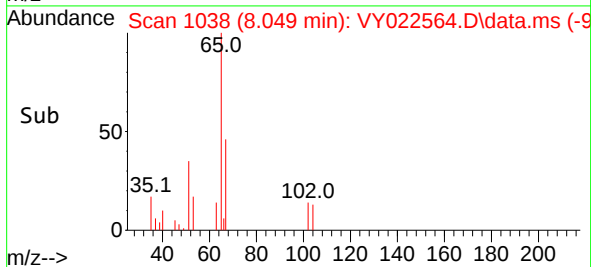
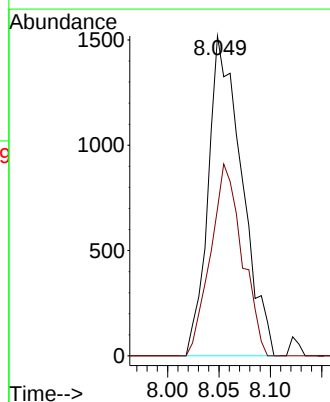
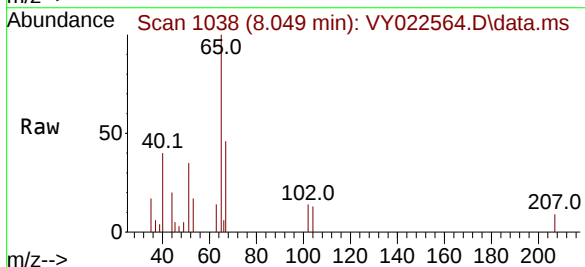
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-343RE

Tgt Ion:168 Resp: 5569
Ion Ratio Lower Upper
168 100
99 51.2 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 55.293 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. -0.018 min
Lab File: VY022564.D
Acq: 05 Jun 2025 11:12

Tgt Ion: 65 Resp: 3444
Ion Ratio Lower Upper
65 100
67 56.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022564.D

Acq: 05 Jun 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-343RE

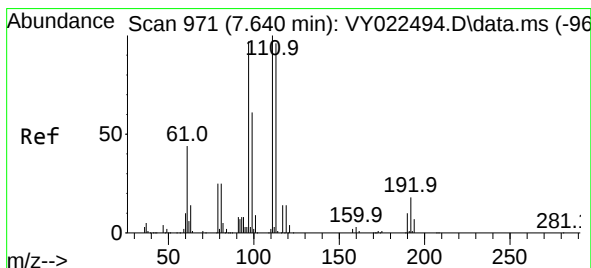
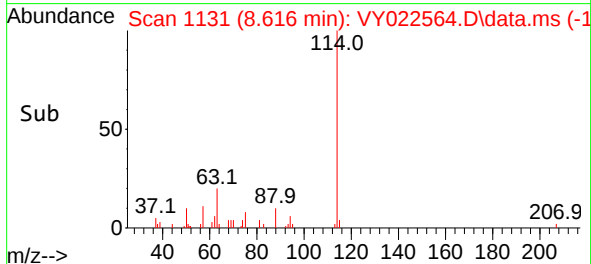
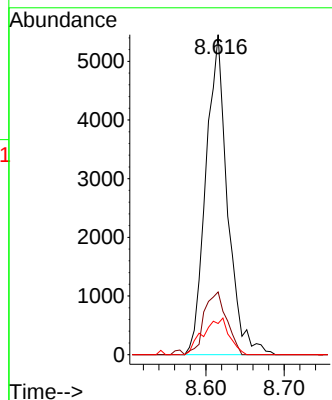
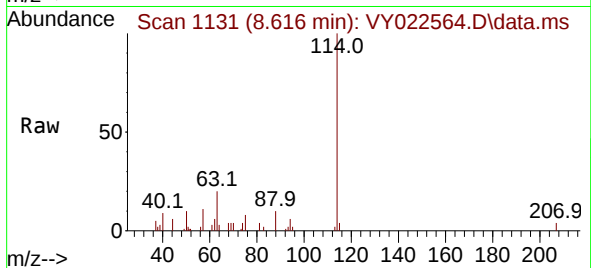
Tgt Ion:114 Resp: 10454

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 9.8 0.0 27.8



#35

Dibromofluoromethane

Concen: 31.139 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022564.D

Acq: 05 Jun 2025 11:12

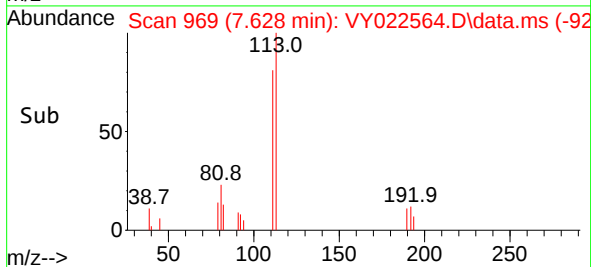
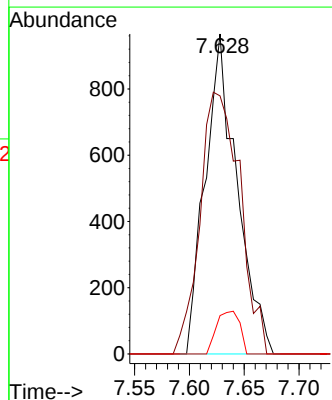
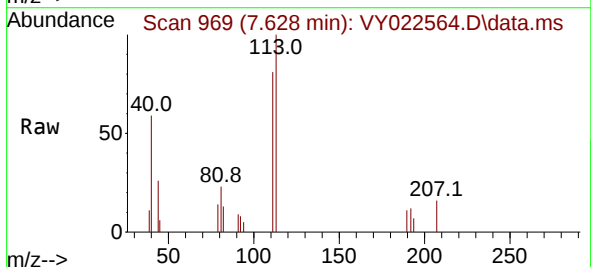
Tgt Ion:113 Resp: 1943

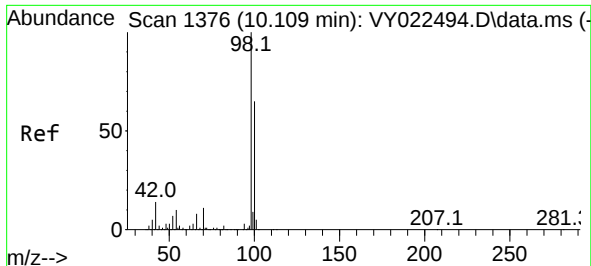
Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

192 9.8 14.2 21.2#

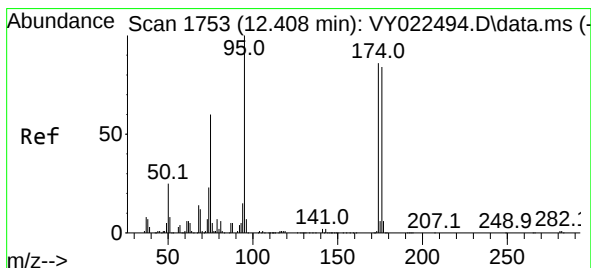
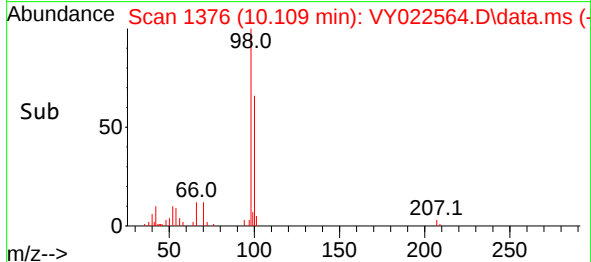
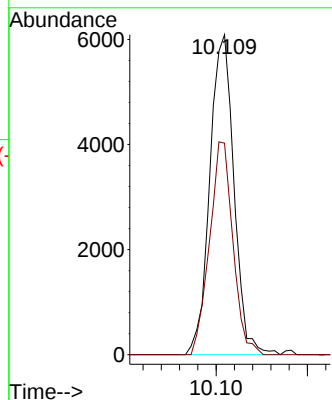
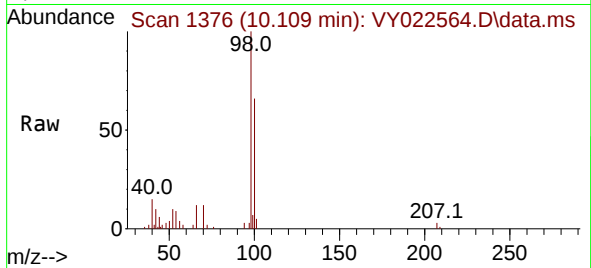




#50
Toluene-d8
Concen: 44.176 ug/l
RT: 10.109 min Scan# 11138
Delta R.T. -0.000 min
Lab File: VY022564.D
Acq: 05 Jun 2025 11:12

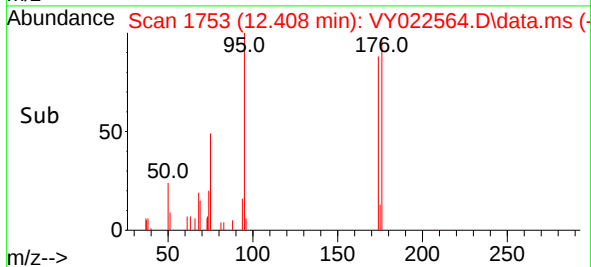
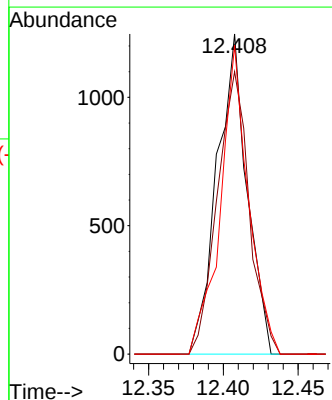
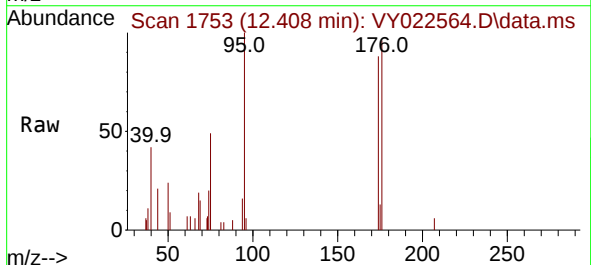
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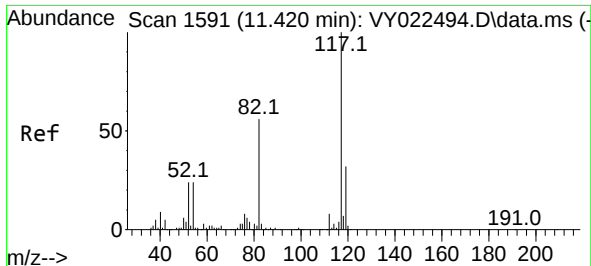
Tgt Ion: 98 Resp: 11138
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 23.123 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022564.D
Acq: 05 Jun 2025 11:12

Tgt Ion: 95 Resp: 1737
Ion Ratio Lower Upper
95 100
174 94.0 0.0 170.0
176 90.7 0.0 166.2

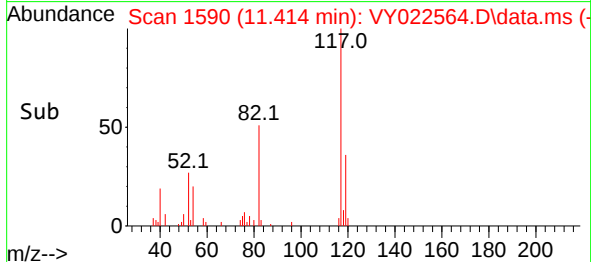
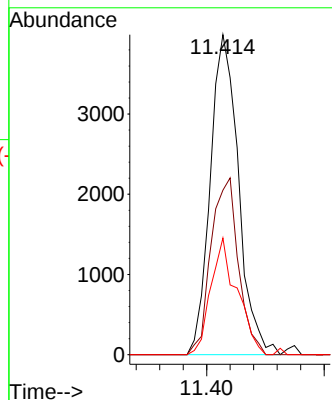
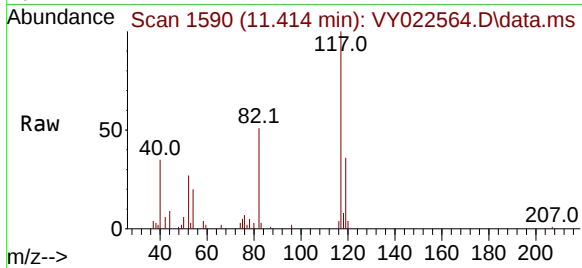




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022564.D
Acq: 05 Jun 2025 11:12

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-343RE

Tgt Ion:117 Resp: 6653
Ion Ratio Lower Upper
117 100
82 51.4 44.6 66.8
119 36.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022564.D
Acq: 05 Jun 2025 11:12

Tgt Ion:152 Resp: 912
Ion Ratio Lower Upper
152 100
115 56.8 28.9 86.7
150 179.9 0.0 349.6

