

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022610.D
 Acq On : 06 Jun 2025 19:11
 Operator : SY/MD
 Sample : Q2248-01
 Misc : 4.86g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-060525

Quant Time: Jun 06 23:48:04 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	191150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	323183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	247735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	88760	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98301	45.980	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.960%
35) Dibromofluoromethane	7.628	113	94571	49.026	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.060%
50) Toluene-d8	10.103	98	384720	49.358	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.720%
62) 4-Bromofluorobenzene	12.402	95	91472	39.388	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.780%

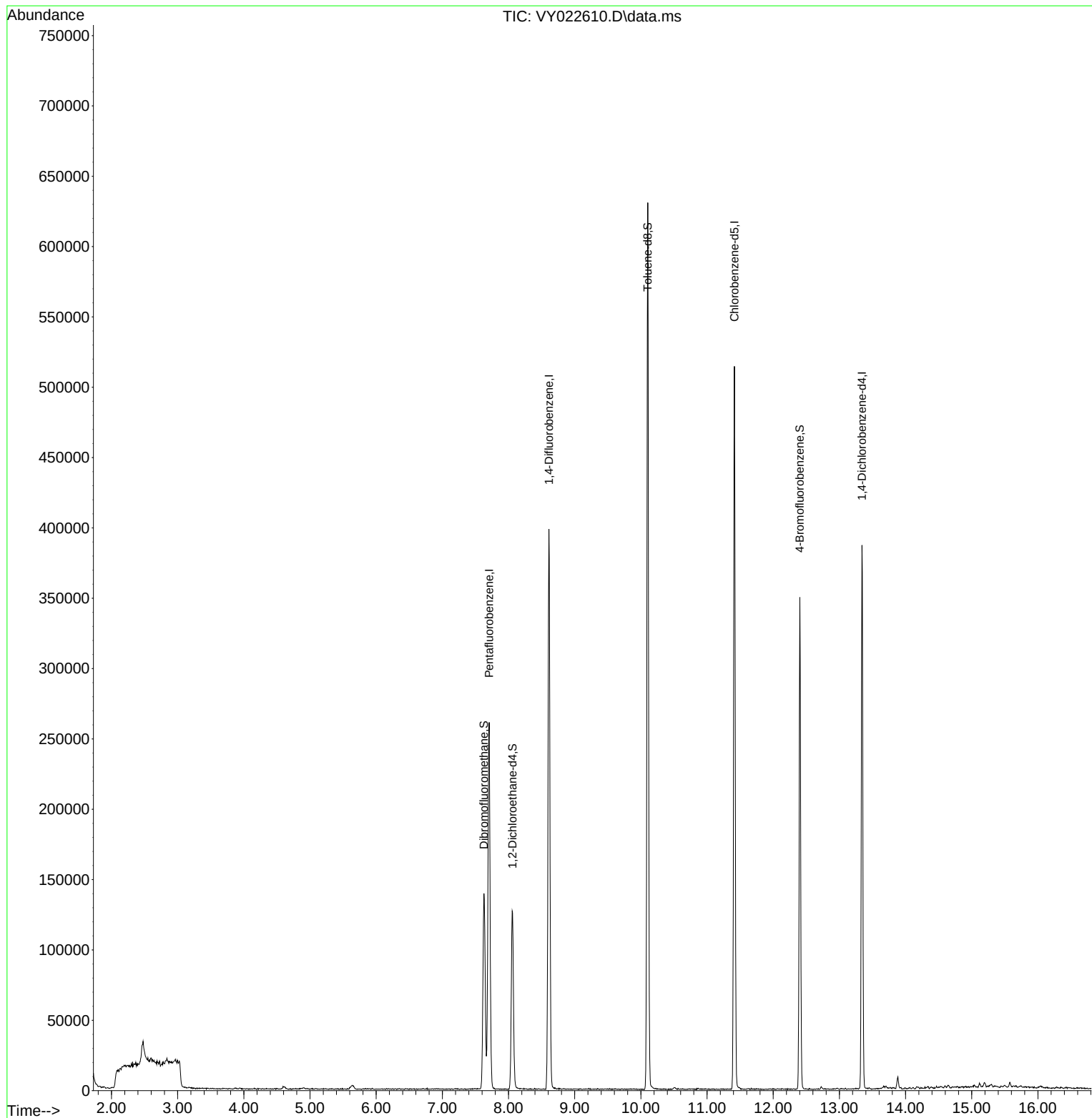
Target Compounds	Qvalue

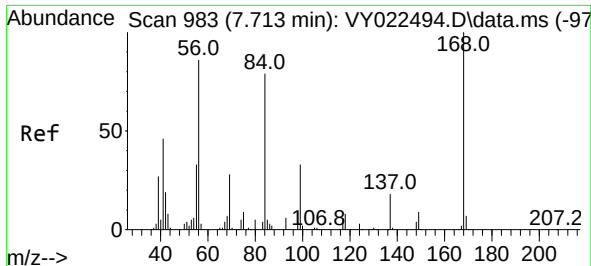
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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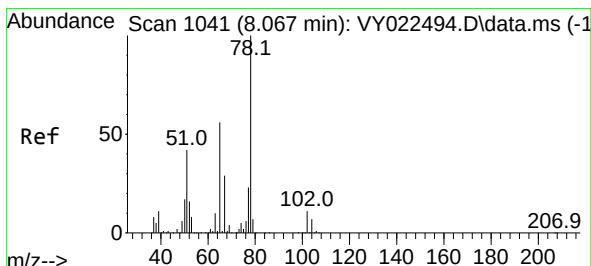
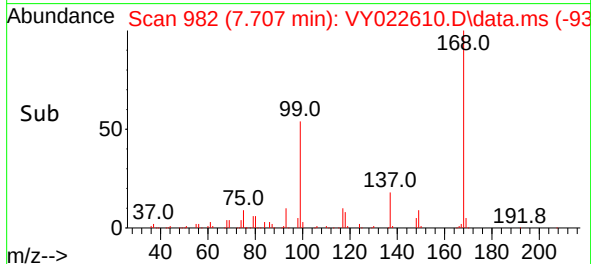
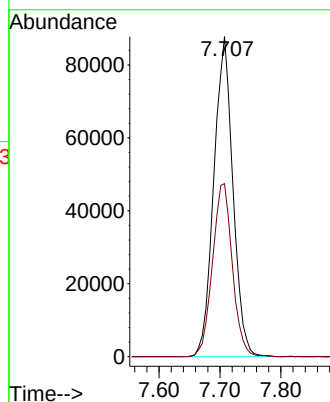
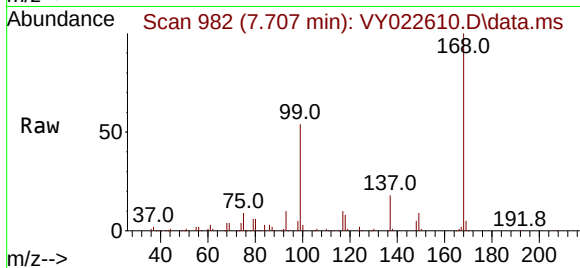




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022610.D
Acq: 06 Jun 2025 19:11

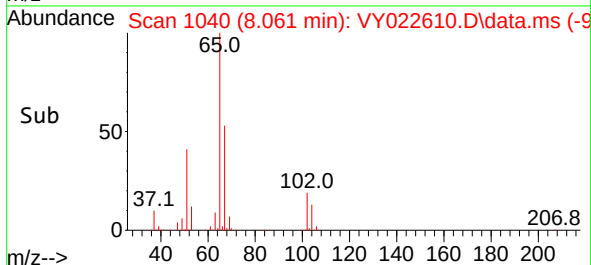
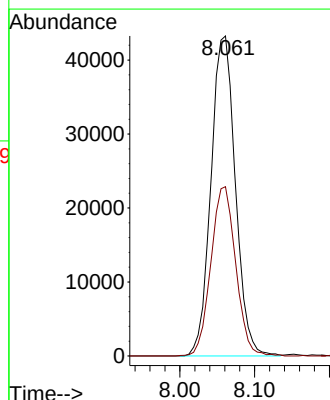
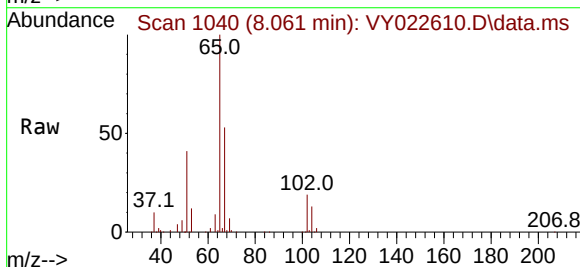
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-060525

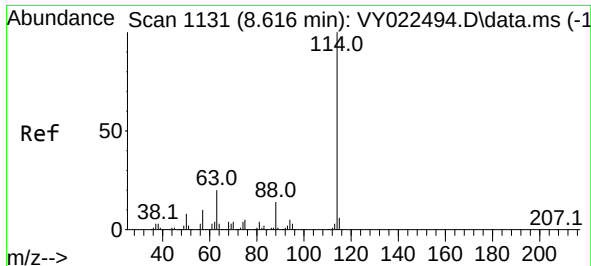
Tgt Ion:168 Resp: 191150
Ion Ratio Lower Upper
168 100
99 54.0 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 45.980 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022610.D
Acq: 06 Jun 2025 19:11

Tgt Ion: 65 Resp: 98301
Ion Ratio Lower Upper
65 100
67 53.8 0.0 103.4

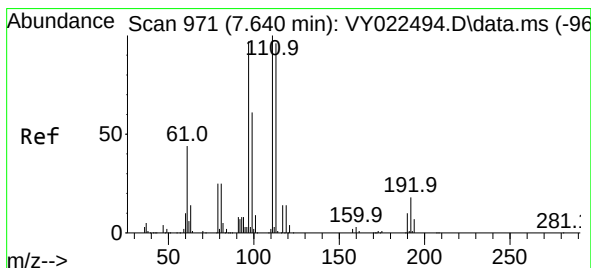
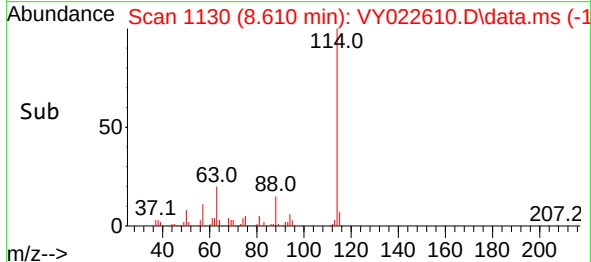
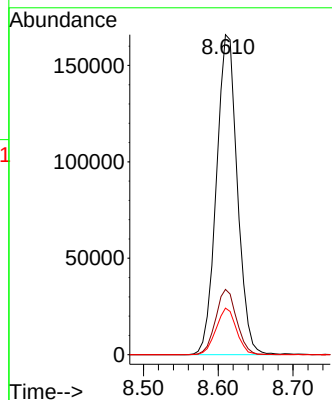
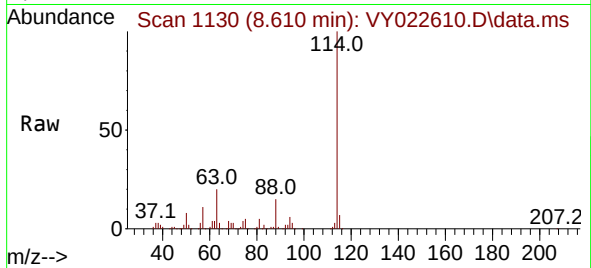




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022610.D
Acq: 06 Jun 2025 19:11

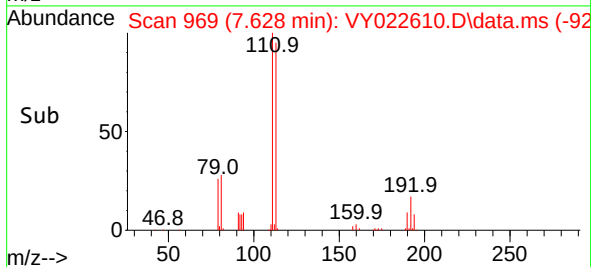
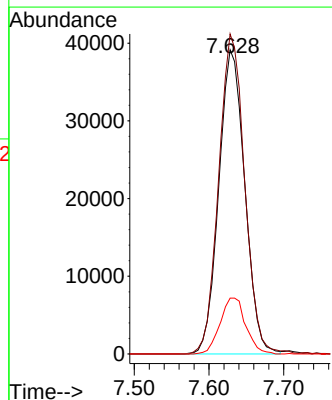
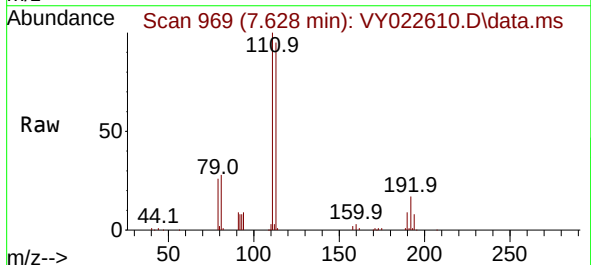
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-060525

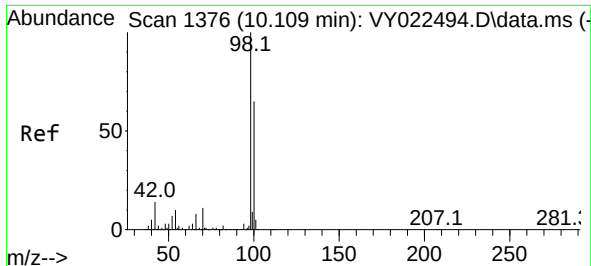
Tgt Ion:114 Resp: 323183
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 14.5 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.026 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022610.D
Acq: 06 Jun 2025 19:11

Tgt Ion:113 Resp: 94571
Ion Ratio Lower Upper
113 100
111 105.2 81.1 121.7
192 18.1 14.2 21.2

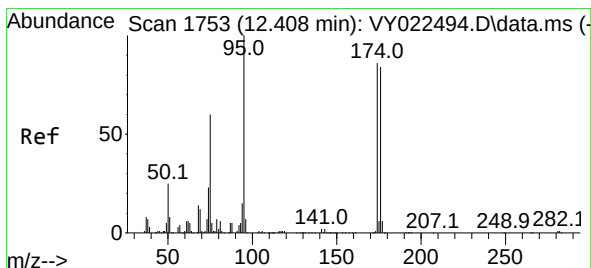
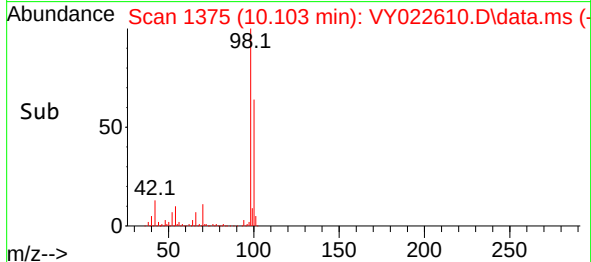
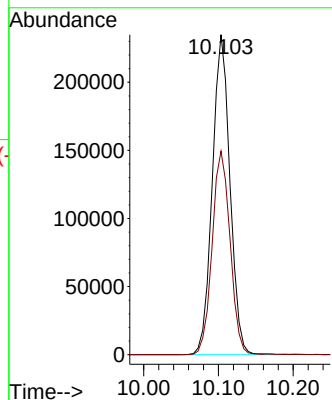
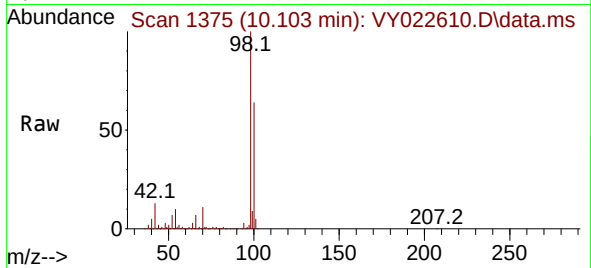




#50
Toluene-d8
Concen: 49.358 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022610.D
Acq: 06 Jun 2025 19:11

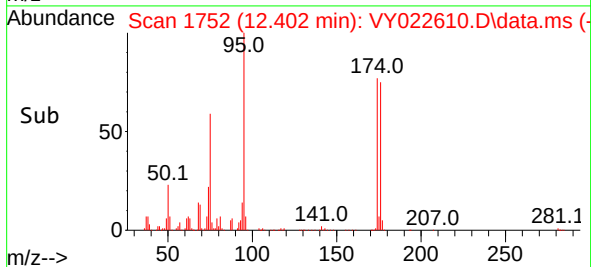
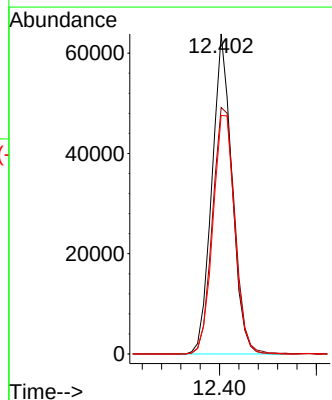
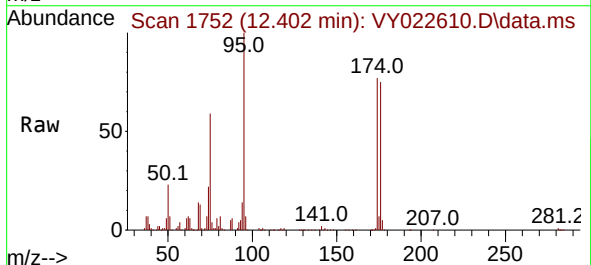
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-060525

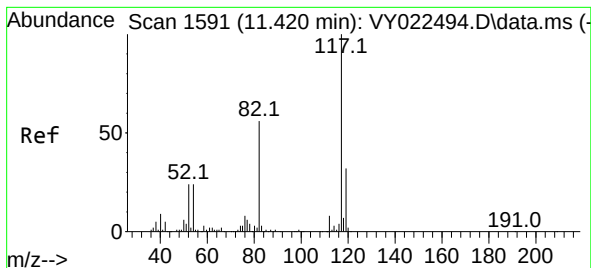
Tgt Ion: 98 Resp: 384720
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 39.388 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022610.D
Acq: 06 Jun 2025 19:11

Tgt Ion: 95 Resp: 91472
Ion Ratio Lower Upper
95 100
174 86.0 0.0 170.0
176 81.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022610.D

Acq: 06 Jun 2025 19:11

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-060525

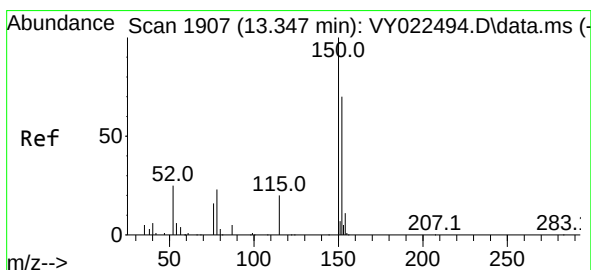
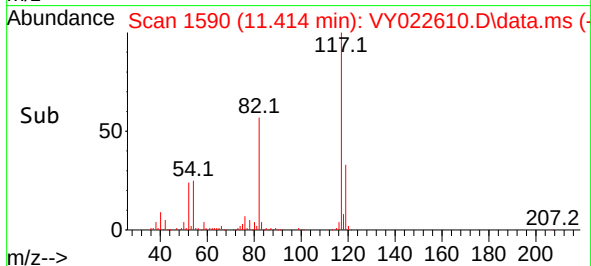
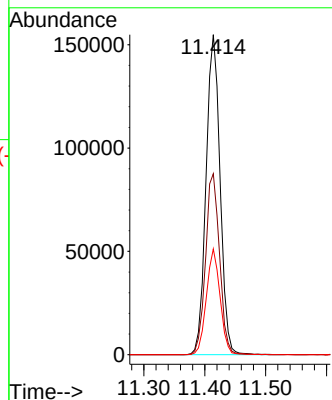
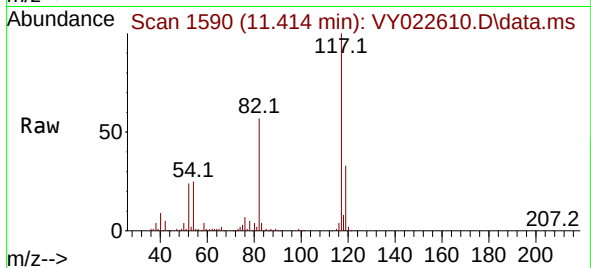
Tgt Ion:117 Resp: 247735

Ion Ratio Lower Upper

117 100

82 56.6 44.6 66.8

119 33.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.341 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022610.D

Acq: 06 Jun 2025 19:11

Tgt Ion:152 Resp: 88760

Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.7

150 161.0 0.0 349.6

