

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022528.D
 Acq On : 03 Jun 2025 17:22
 Operator : SY/MD
 Sample : Q2176-03
 Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-25

Quant Time: Jun 04 04:15:45 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	277698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	501520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	388135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	133596	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136425	43.925	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.840%
35) Dibromofluoromethane	7.628	113	144079	48.131	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.260%
50) Toluene-d8	10.103	98	597801	49.423	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.840%
62) 4-Bromofluorobenzene	12.402	95	141351	39.222	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.440%

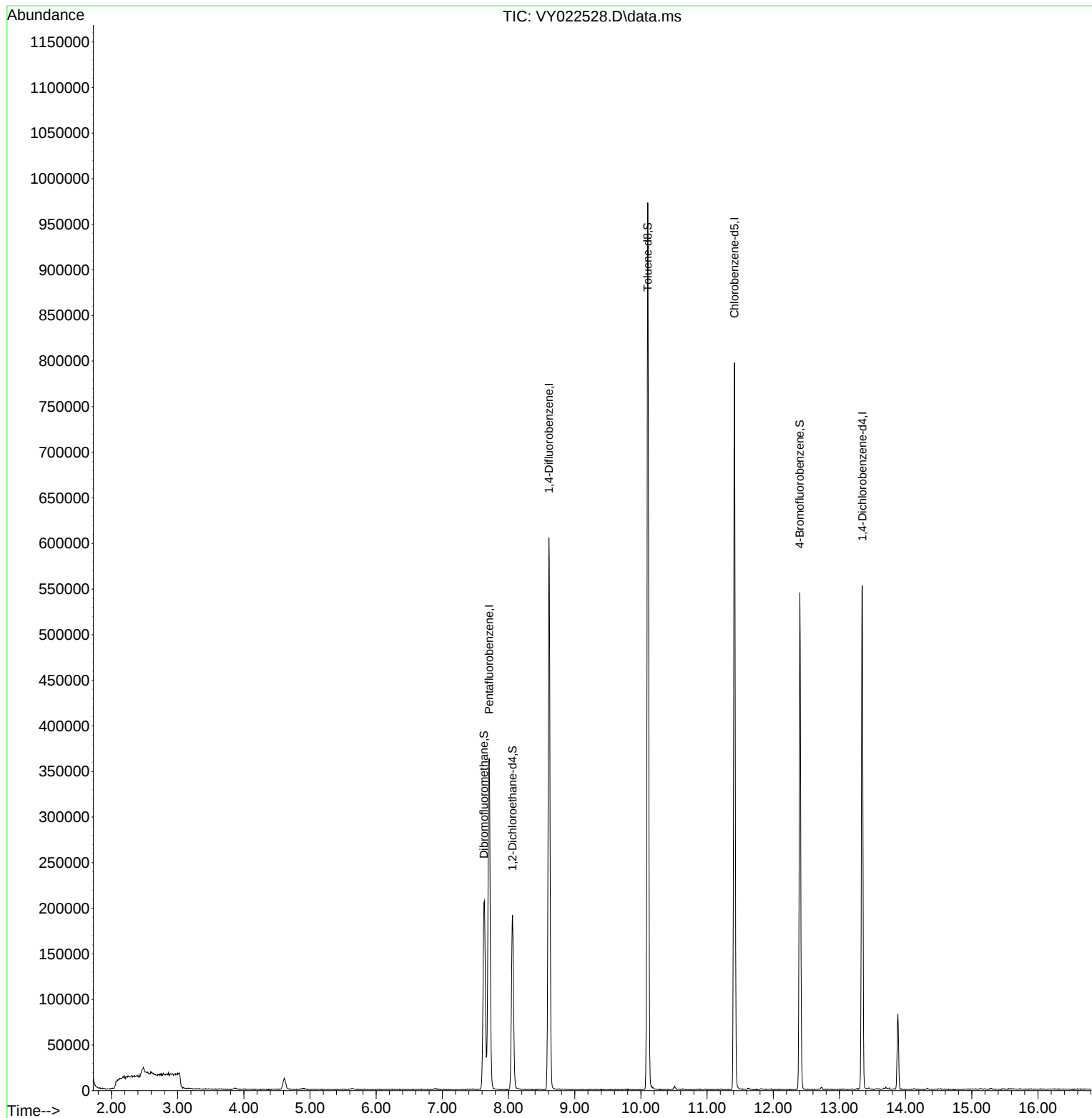
Target Compounds	Qvalue

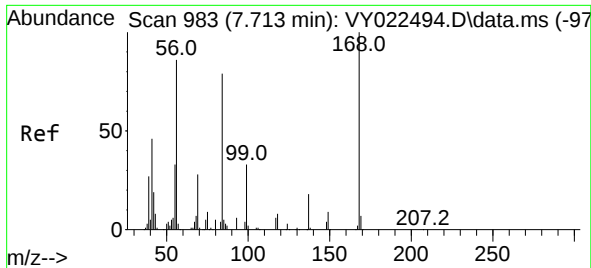
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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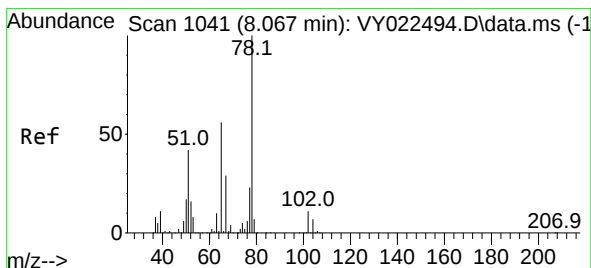
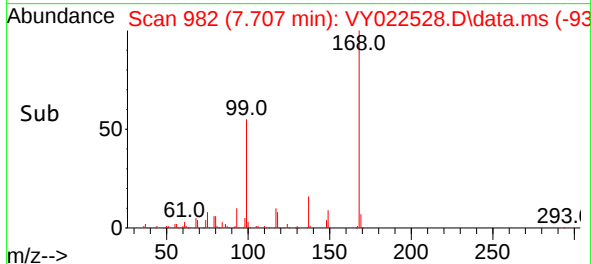
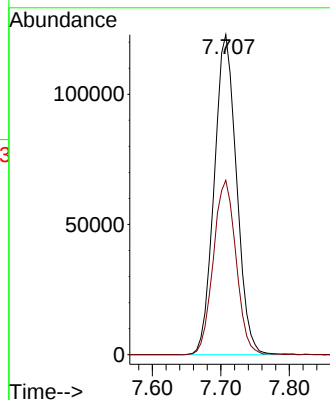
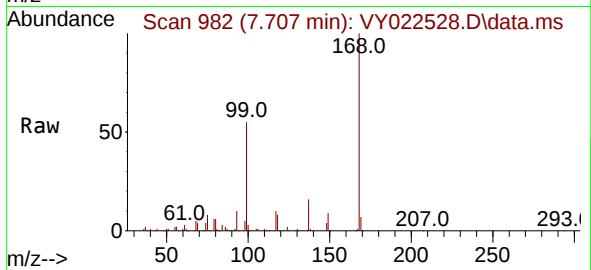




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

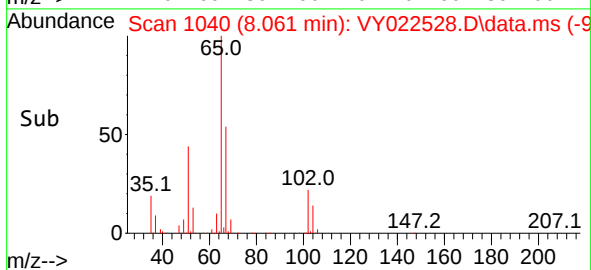
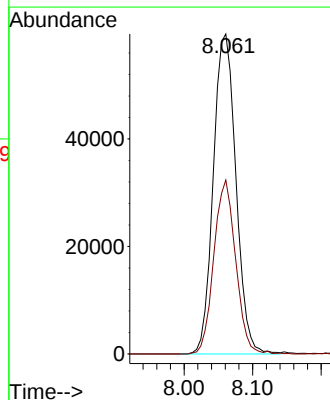
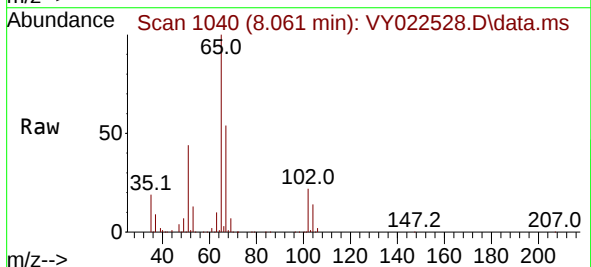
Instrument :
MSVOA_Y
ClientSampleId :
TP-25

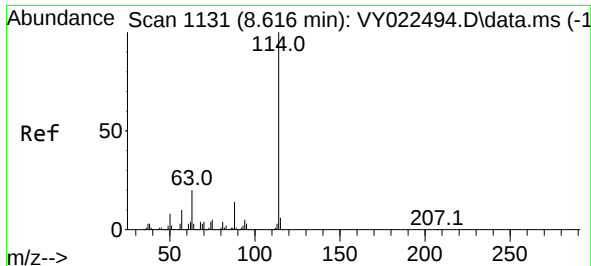
Tgt Ion:168 Resp: 277698
Ion Ratio Lower Upper
168 100
99 54.5 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 43.925 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Tgt Ion: 65 Resp: 136425
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022528.D

Acq: 03 Jun 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-25

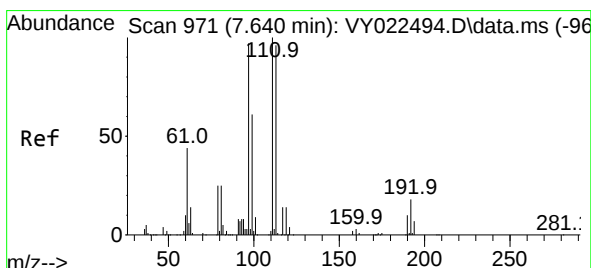
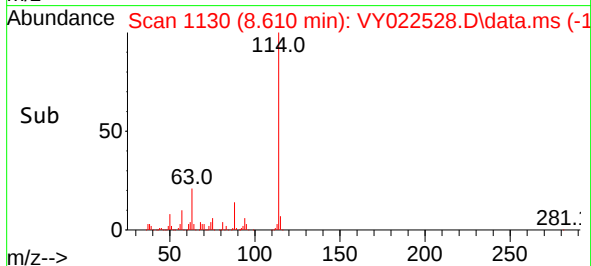
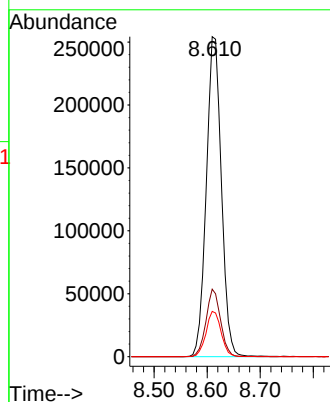
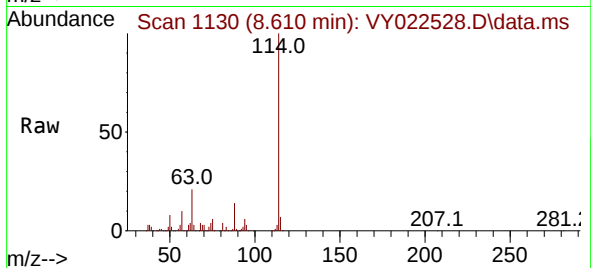
Tgt Ion:114 Resp: 501520

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 14.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 48.131 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022528.D

Acq: 03 Jun 2025 17:22

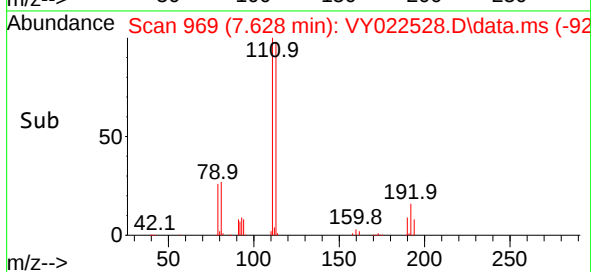
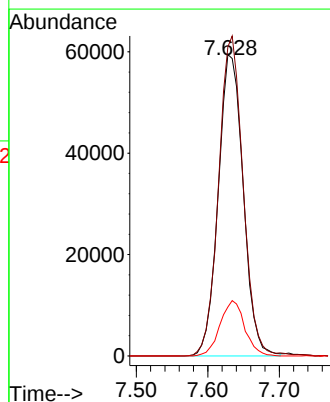
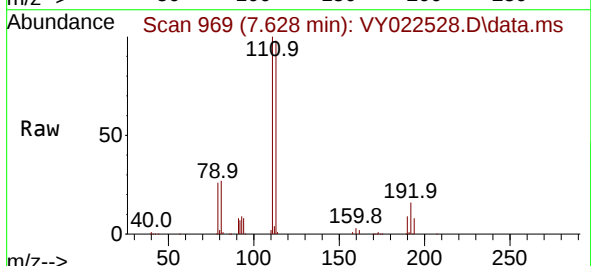
Tgt Ion:113 Resp: 144079

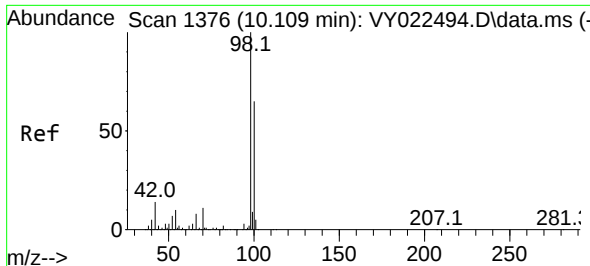
Ion Ratio Lower Upper

113 100

111 104.1 81.1 121.7

192 18.1 14.2 21.2

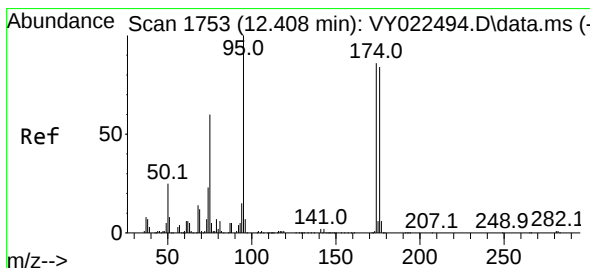
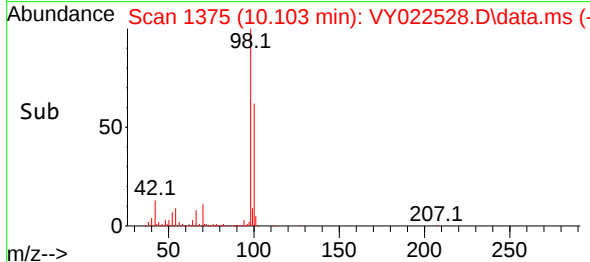
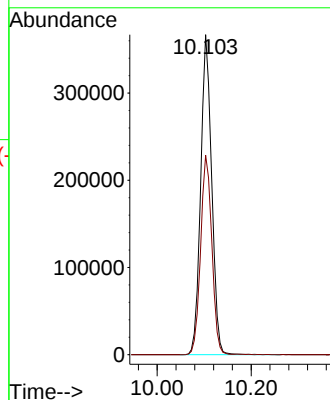
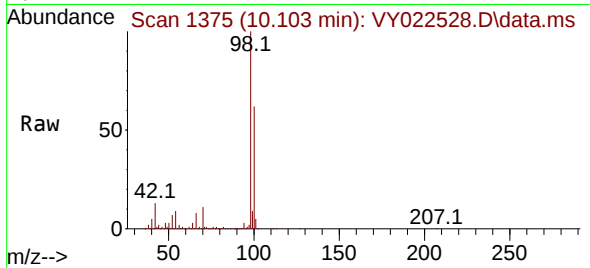




#50
Toluene-d8
Concen: 49.423 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

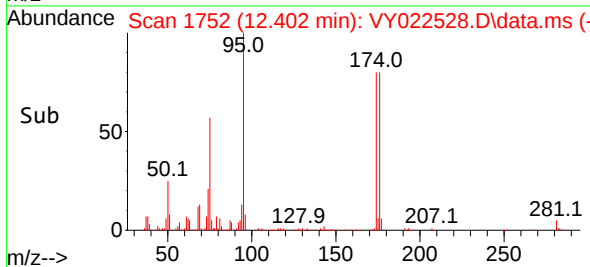
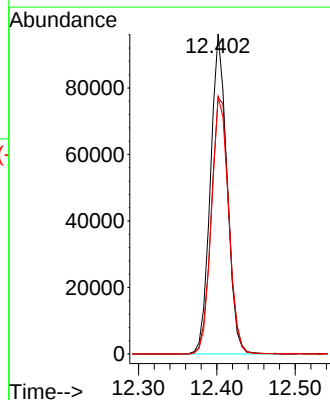
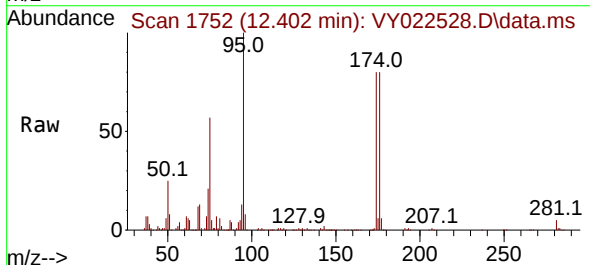
Instrument :
MSVOA_Y
ClientSampleId :
TP-25

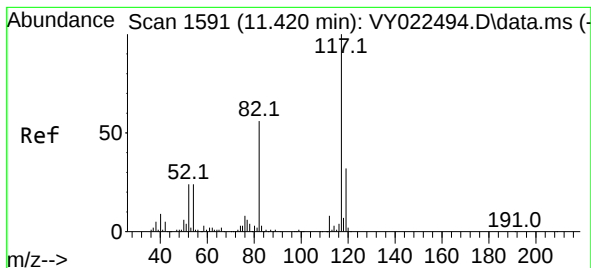
Tgt Ion: 98 Resp: 597801
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 39.222 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Tgt Ion: 95 Resp: 141351
Ion Ratio Lower Upper
95 100
174 85.3 0.0 170.0
176 83.2 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY022528.D

Acq: 03 Jun 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-25

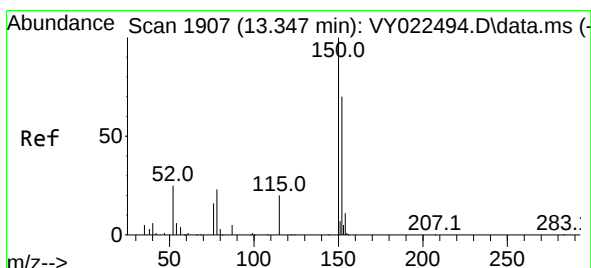
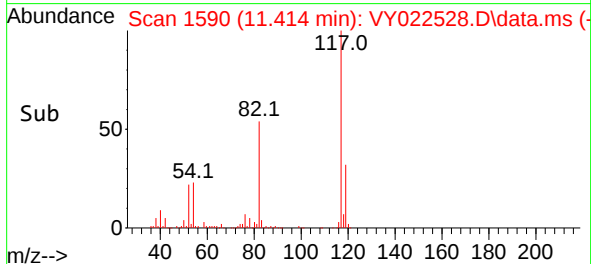
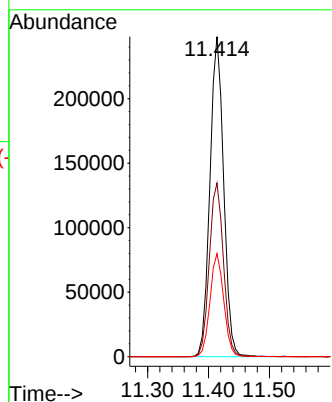
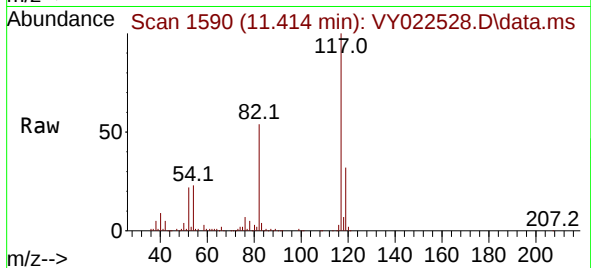
Tgt Ion:117 Resp: 388135

Ion Ratio Lower Upper

117 100

82 54.2 44.6 66.8

119 32.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022528.D

Acq: 03 Jun 2025 17:22

Tgt Ion:152 Resp: 133596

Ion Ratio Lower Upper

152 100

115 57.4 28.9 86.7

150 155.1 0.0 349.6

