

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022368.D
 Acq On : 21 May 2025 15:31
 Operator : SY/MD
 Sample : Q2097-17
 Misc : 4.76g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-3888

Quant Time: May 22 00:11:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	252510	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	444602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	355107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	132515	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	129685	46.992	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.980%
35) Dibromofluoromethane	7.640	113	131082	49.397	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.800%
50) Toluene-d8	10.109	98	527070	48.497	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.000%
62) 4-Bromofluorobenzene	12.407	95	133361	38.713	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.420%

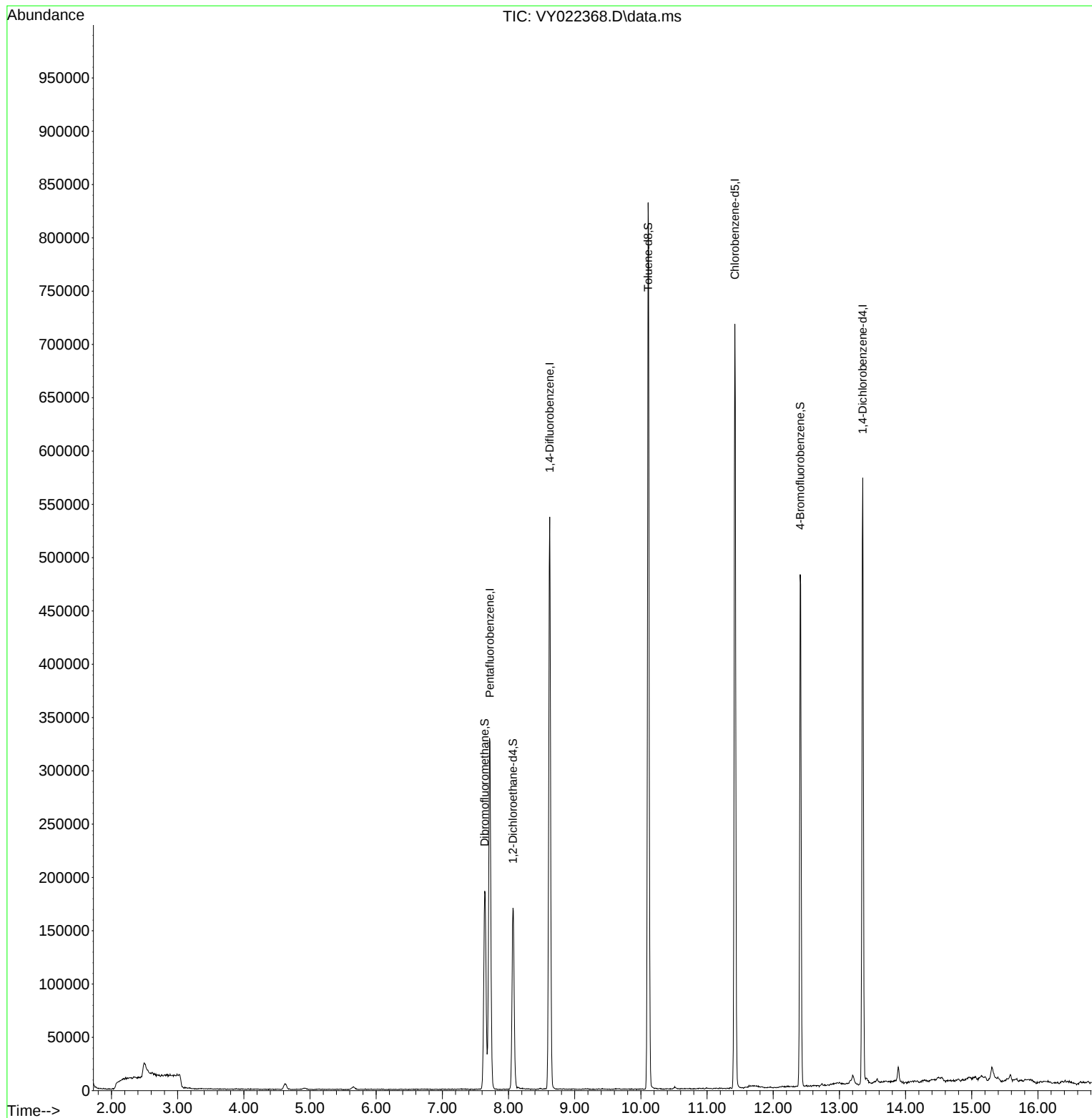
Target Compounds	Qvalue

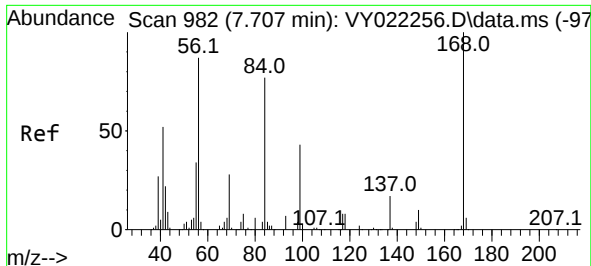
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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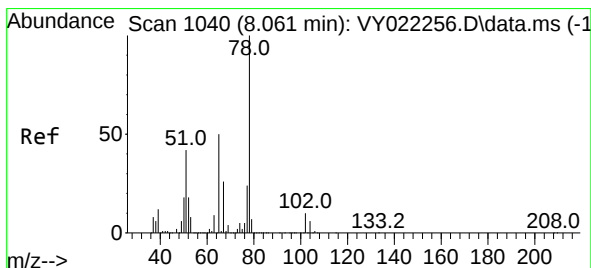
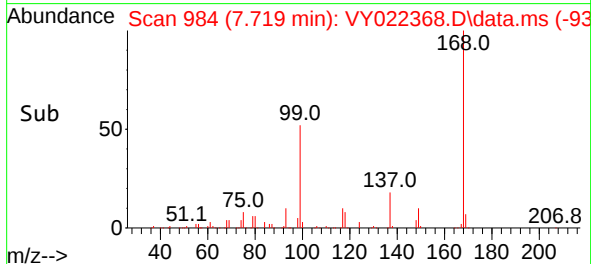
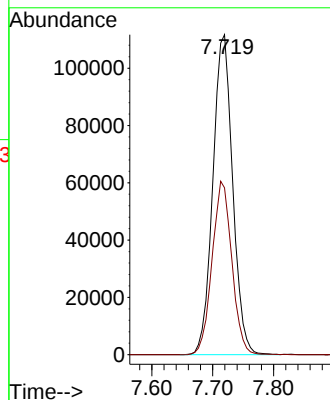
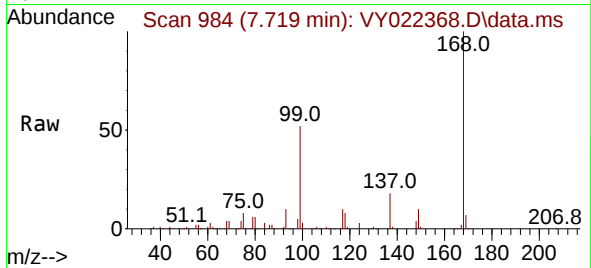




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY022368.D
Acq: 21 May 2025 15:31

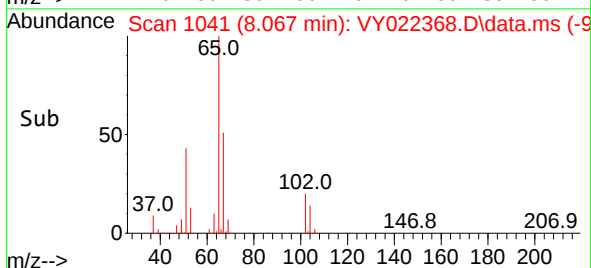
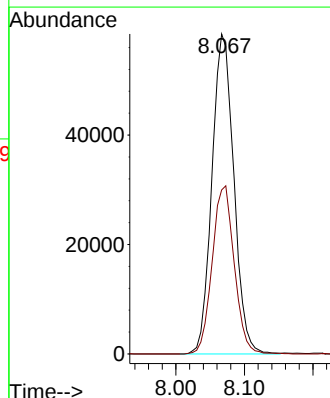
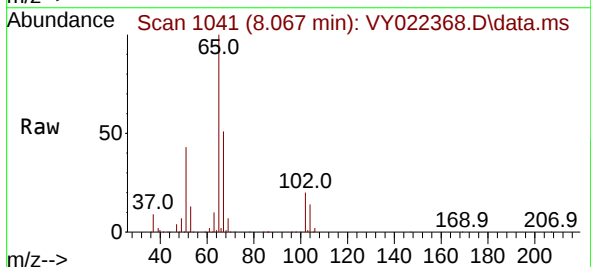
Instrument :
MSVOA_Y
ClientSampleId :
RT-3888

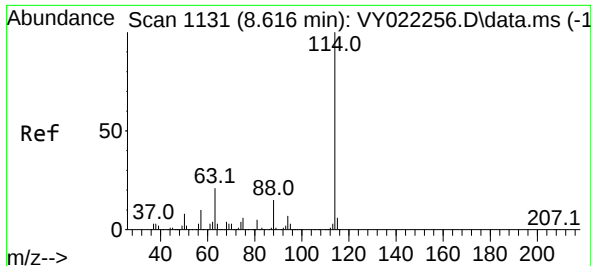
Tgt Ion:168 Resp: 252510
Ion Ratio Lower Upper
168 100
99 52.1 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 46.992 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022368.D
Acq: 21 May 2025 15:31

Tgt Ion: 65 Resp: 129685
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022368.D

Acq: 21 May 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

RT-3888

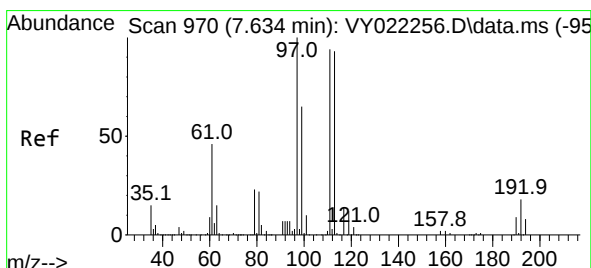
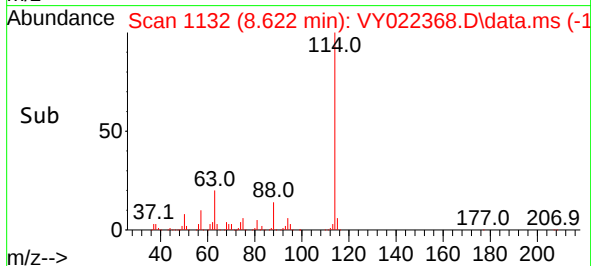
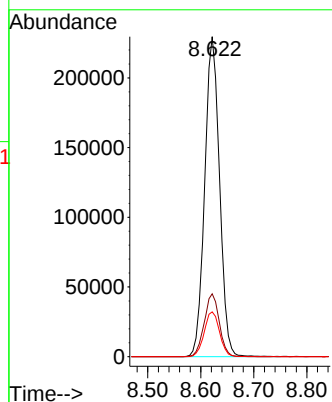
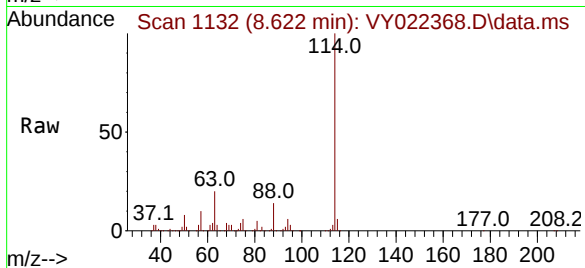
Tgt Ion:114 Resp: 444602

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.0

88 14.0 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.397 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022368.D

Acq: 21 May 2025 15:31

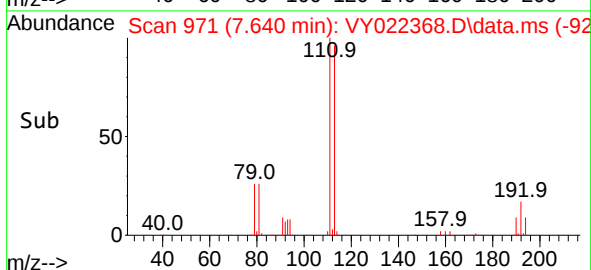
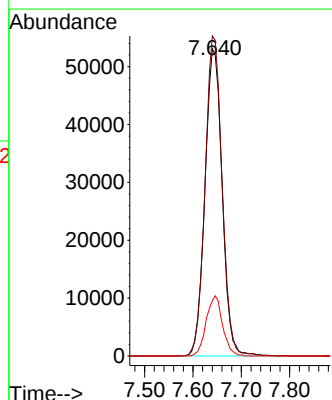
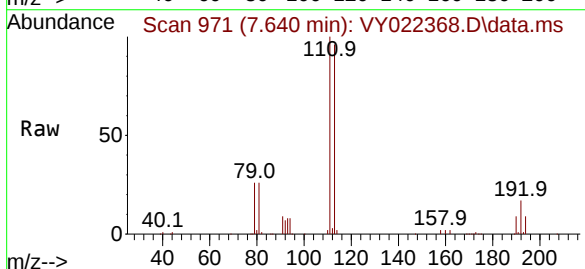
Tgt Ion:113 Resp: 131082

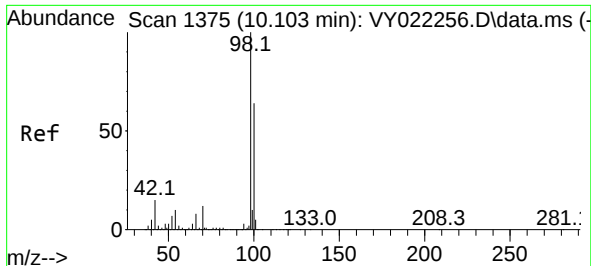
Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 18.6 15.2 22.8

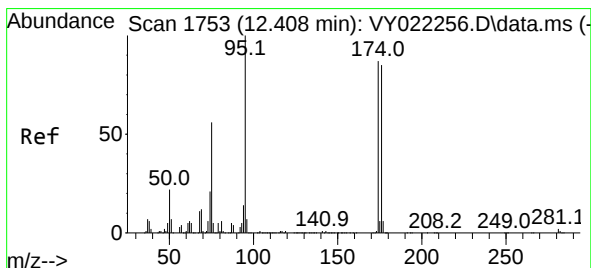
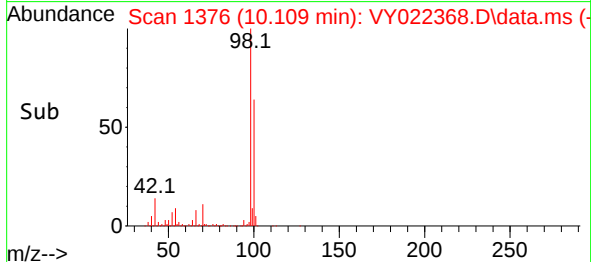
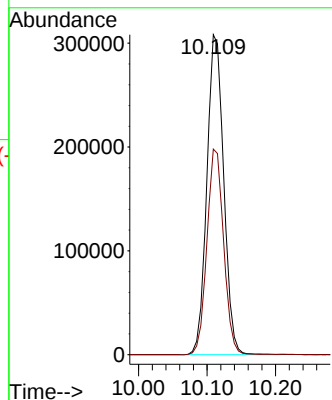
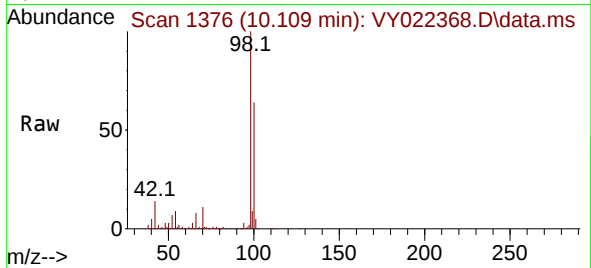




#50
Toluene-d8
Concen: 48.497 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022368.D
Acq: 21 May 2025 15:31

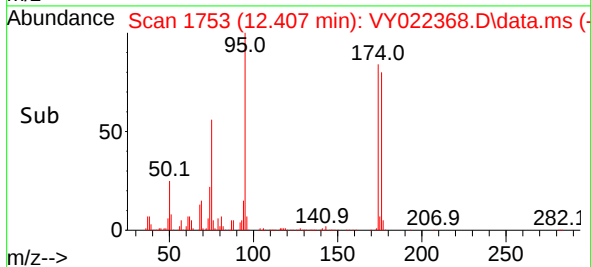
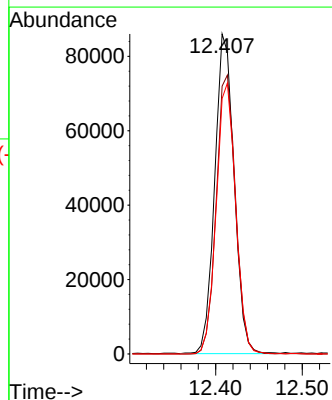
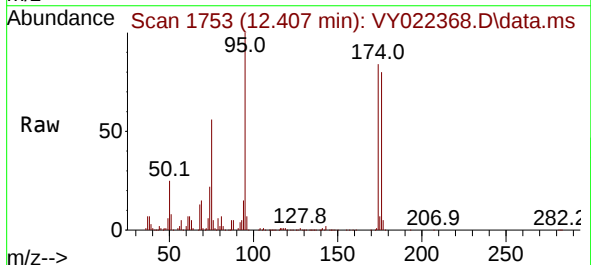
Instrument :
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RT-3888

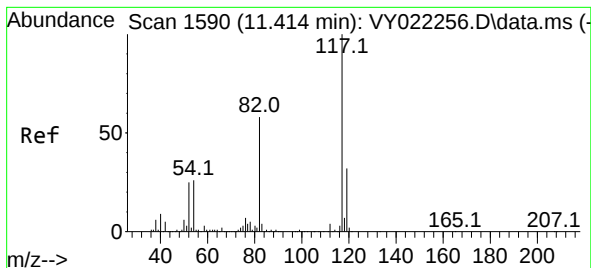
Tgt Ion: 98 Resp: 527070
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 38.713 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022368.D
Acq: 21 May 2025 15:31

Tgt Ion: 95 Resp: 133361
Ion Ratio Lower Upper
95 100
174 87.4 0.0 166.8
176 84.9 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022368.D

Acq: 21 May 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

RT-3888

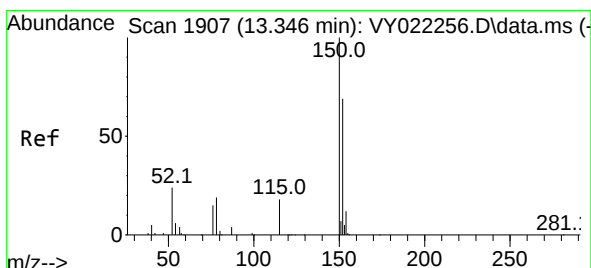
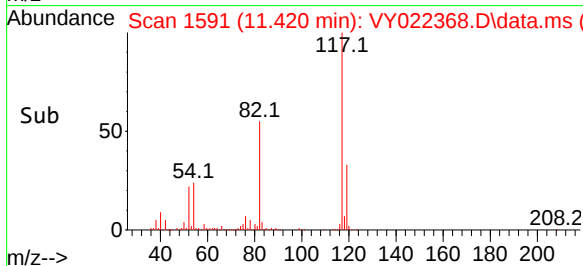
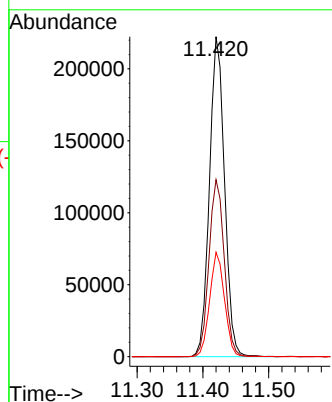
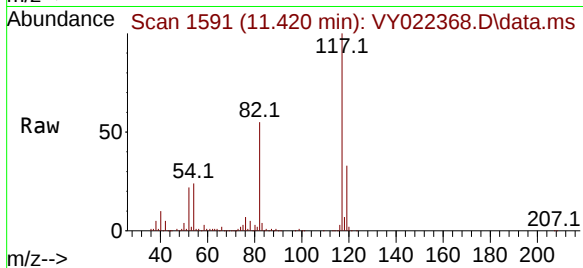
Tgt Ion:117 Resp: 355107

Ion Ratio Lower Upper

117 100

82 55.3 46.6 70.0

119 32.6 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022368.D

Acq: 21 May 2025 15:31

Tgt Ion:152 Resp: 132515

Ion Ratio Lower Upper

152 100

115 56.9 29.4 88.2

150 157.4 0.0 353.8

