

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022378.D
 Acq On : 21 May 2025 19:26
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: May 22 00:16:12 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	7.713	168	255246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	449709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	361633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	136455	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	128473	46.054	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.100%
35) Dibromofluoromethane	7.640	113	132583	49.395	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.800%
50) Toluene-d8	10.115	98	540987	49.212	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.420%
62) 4-Bromofluorobenzene	12.408	95	139653	40.079	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.160%

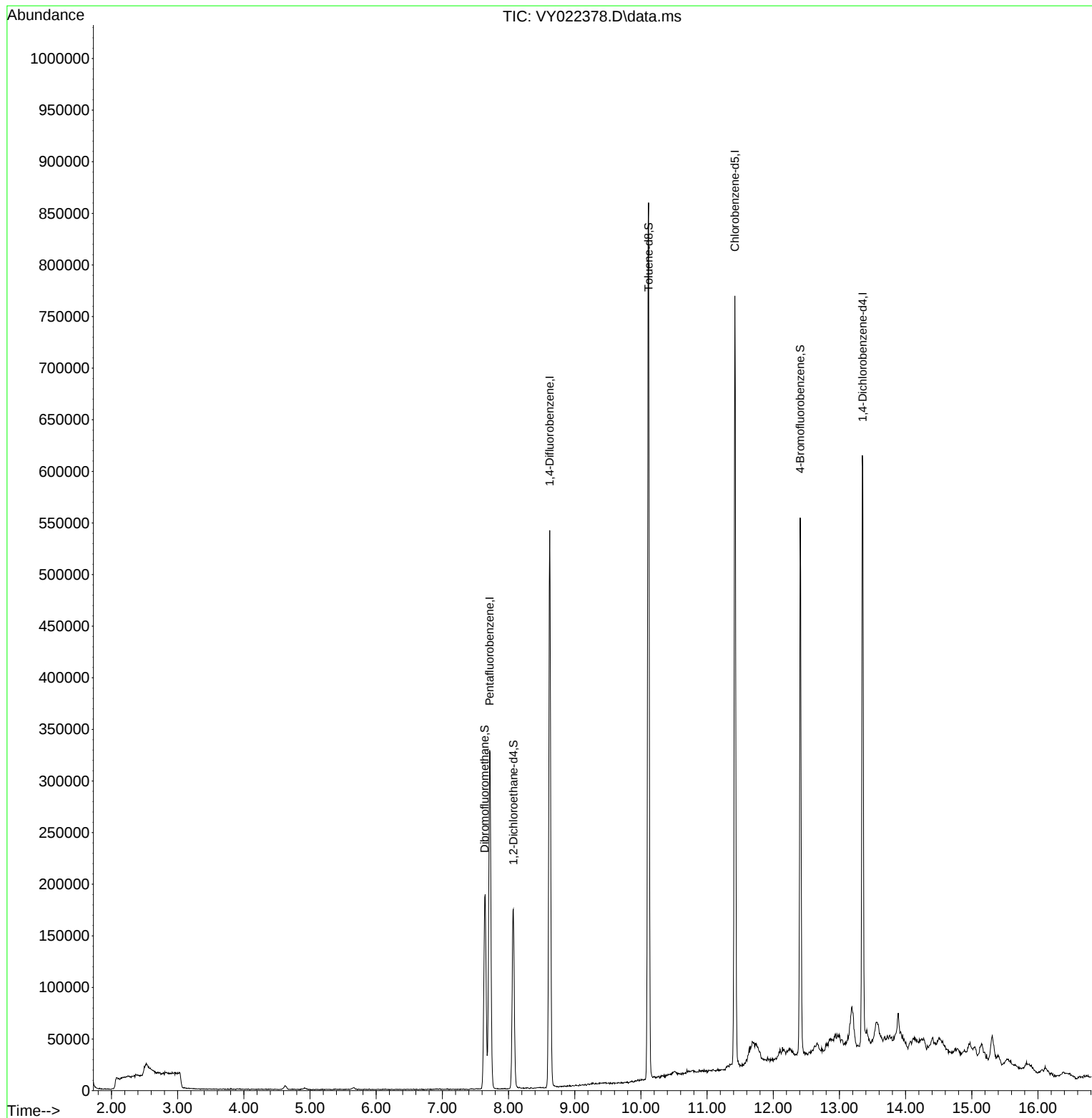
Target Compounds	Qvalue

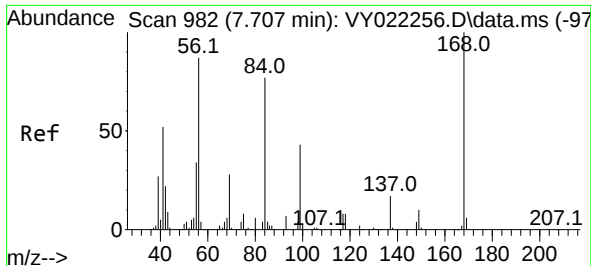
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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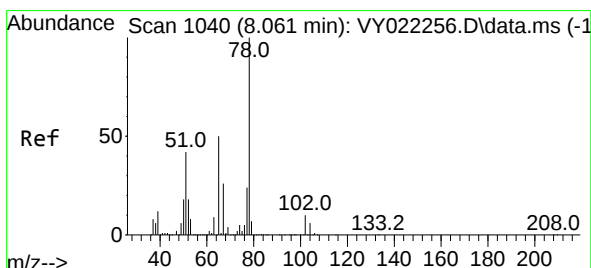
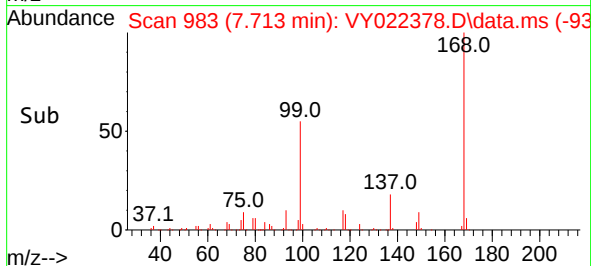
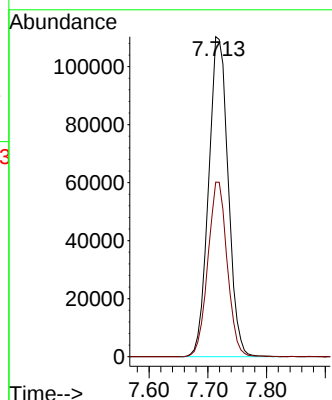
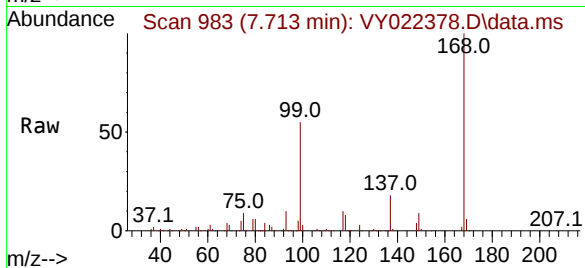




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022378.D
Acq: 21 May 2025 19:26

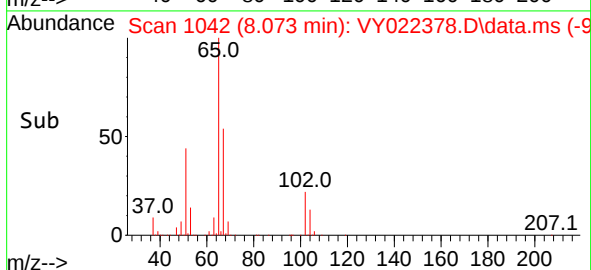
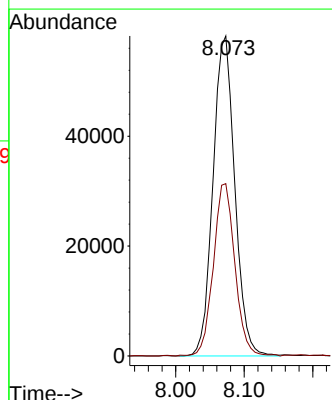
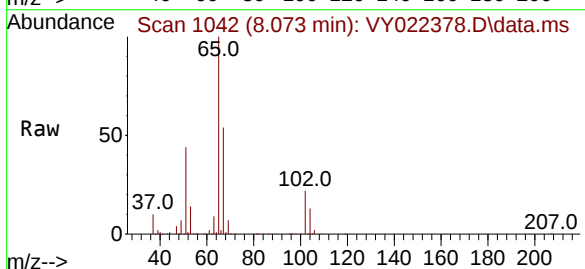
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

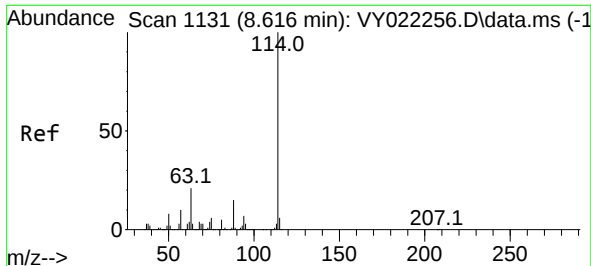
Tgt Ion:168 Resp: 255246
Ion Ratio Lower Upper
168 100
99 54.6 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 46.054 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022378.D
Acq: 21 May 2025 19:26

Tgt Ion: 65 Resp: 128473
Ion Ratio Lower Upper
65 100
67 53.2 0.0 104.6

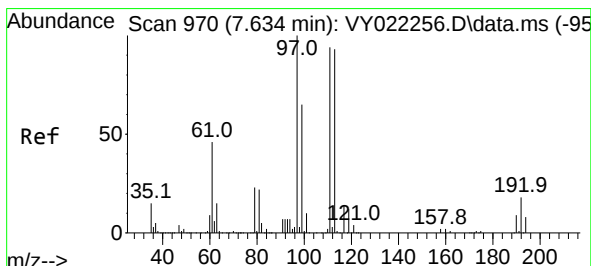
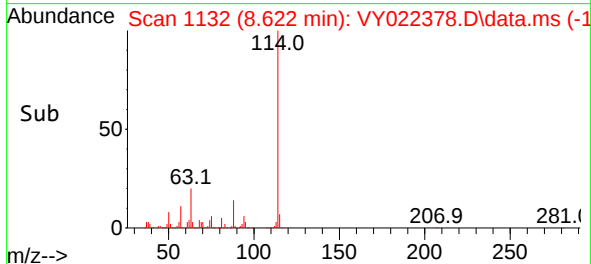
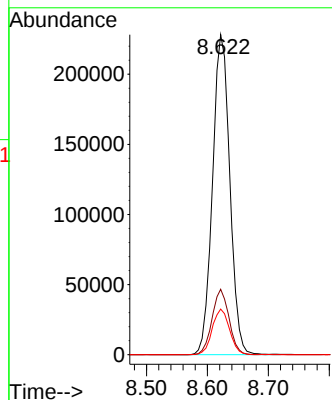
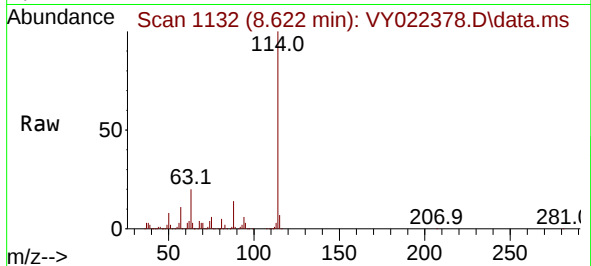




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022378.D
Acq: 21 May 2025 19:26

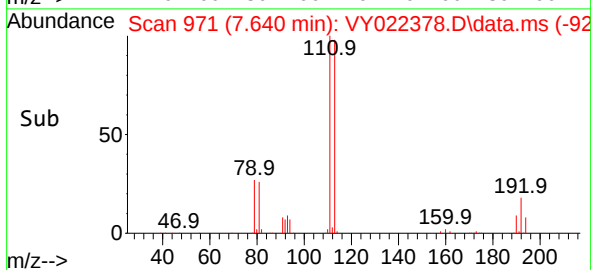
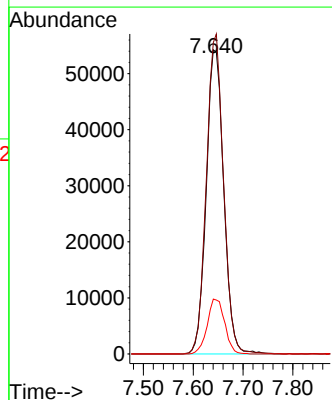
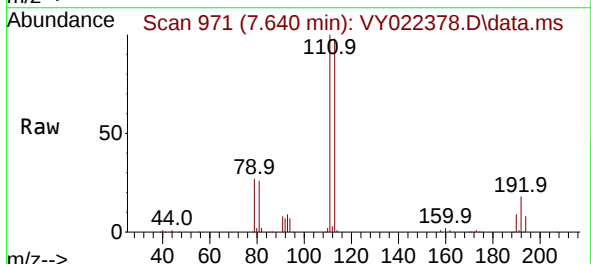
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

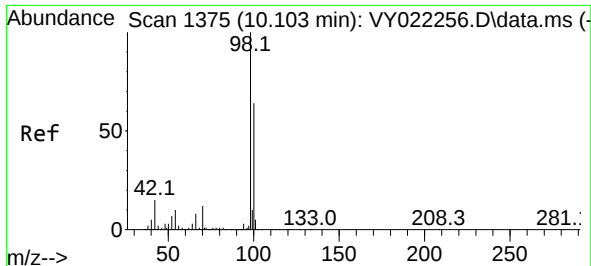
Tgt Ion:114 Resp: 449709
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.0
88 14.2 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.395 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY022378.D
Acq: 21 May 2025 19:26

Tgt Ion:113 Resp: 132583
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 17.9 15.2 22.8

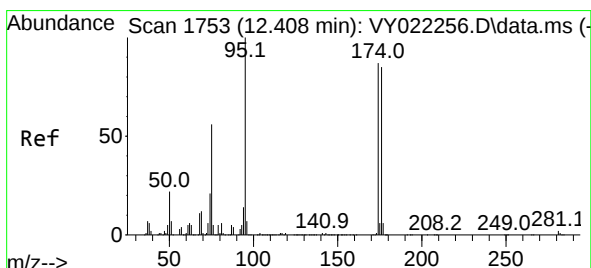
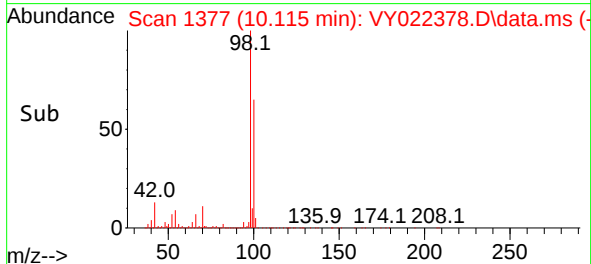
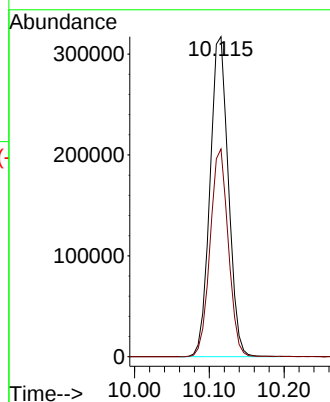
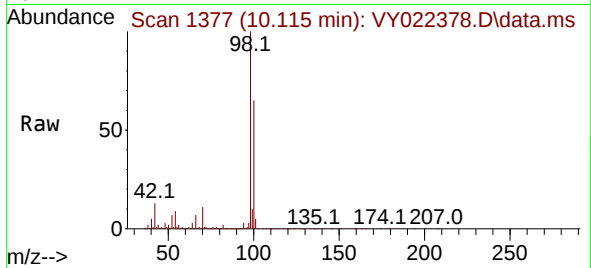




#50
Toluene-d8
Concen: 49.212 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022378.D
Acq: 21 May 2025 19:26

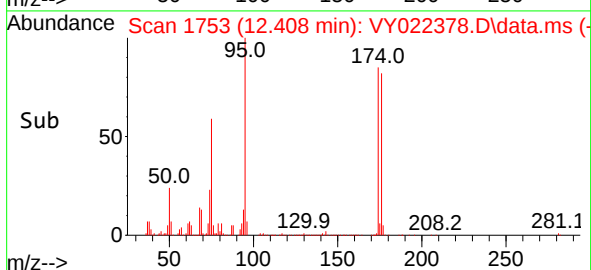
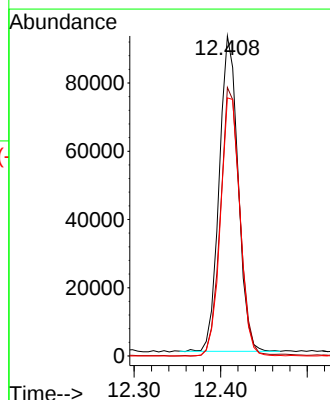
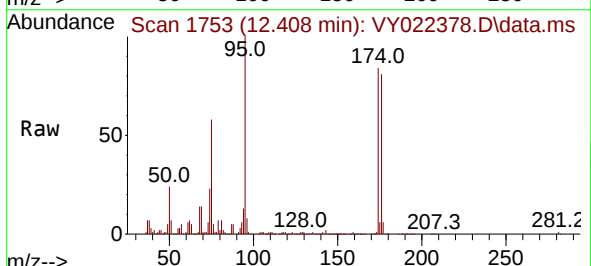
Instrument :
MSVOA_Y
ClientSampleId :
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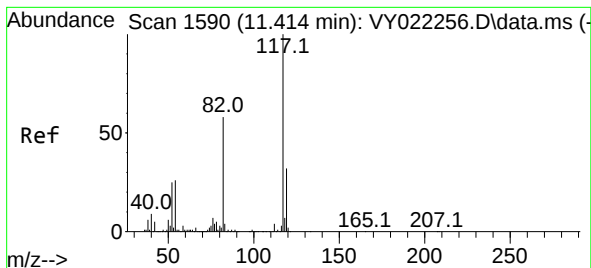
Tgt Ion: 98 Resp: 540987
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.079 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022378.D
Acq: 21 May 2025 19:26

Tgt Ion: 95 Resp: 139653
Ion Ratio Lower Upper
95 100
174 87.2 0.0 166.8
176 84.7 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: VY022378.D

Acq: 21 May 2025 19:26

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

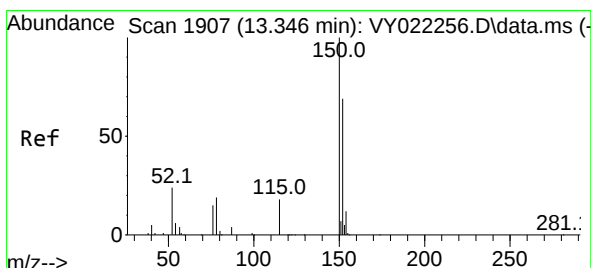
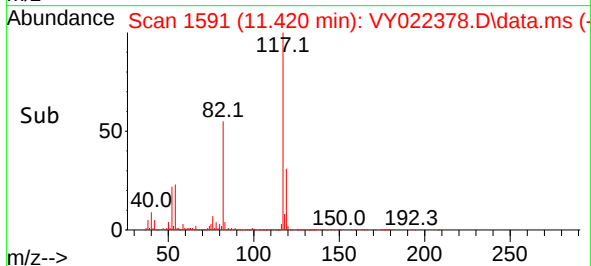
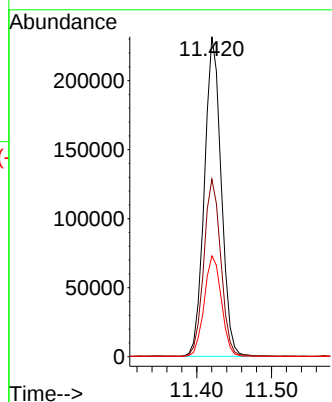
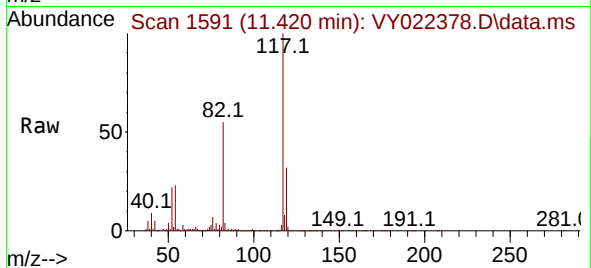
Tgt Ion:117 Resp: 361633

Ion Ratio Lower Upper

117 100

82 55.4 46.6 70.0

119 31.5 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022378.D

Acq: 21 May 2025 19:26

Tgt Ion:152 Resp: 136455

Ion Ratio Lower Upper

152 100

115 58.6 29.4 88.2

150 156.9 0.0 353.8

