

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021966.D
 Acq On : 23 Apr 2025 13:06
 Operator : SY/MD
 Sample : Q1841-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-231RE

Quant Time: Apr 23 13:22:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	244503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	424369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	342183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	112329	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	100183	44.360	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.720%
35) Dibromofluoromethane	7.640	113	138249	49.311	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.620%
50) Toluene-d8	10.109	98	493003	46.644	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.280%
62) 4-Bromofluorobenzene	12.407	95	119735	33.651	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.300%

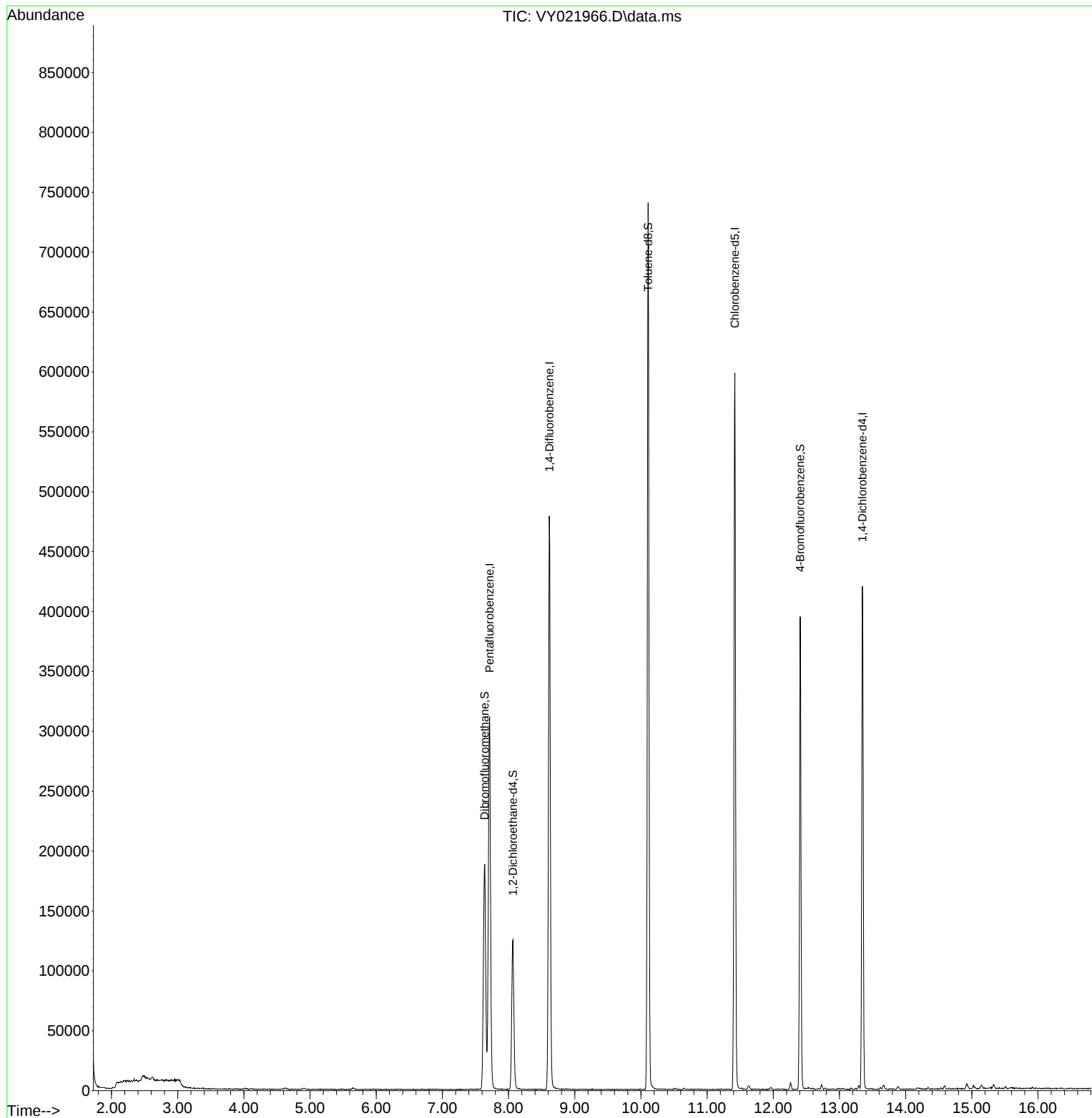
Target Compounds	Qvalue

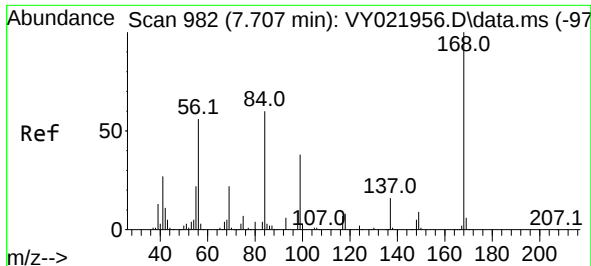
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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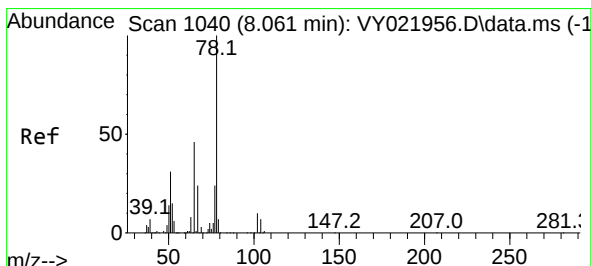
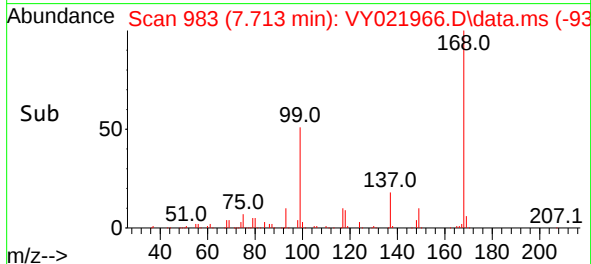
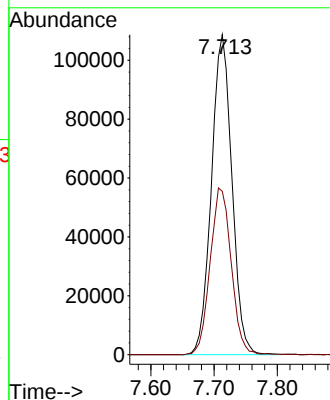
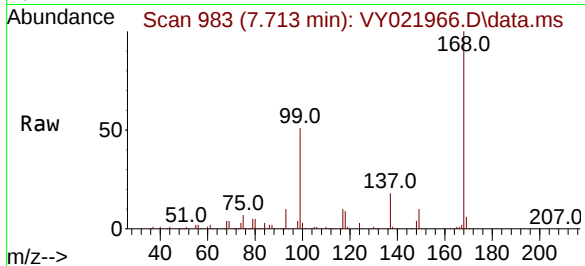




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021966.D
Acq: 23 Apr 2025 13:06

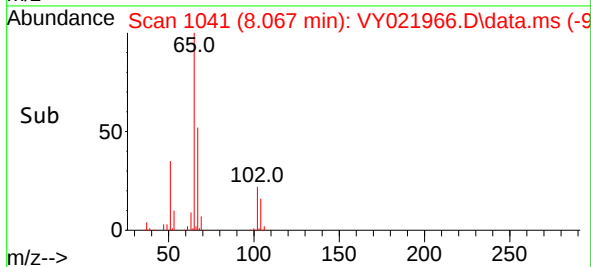
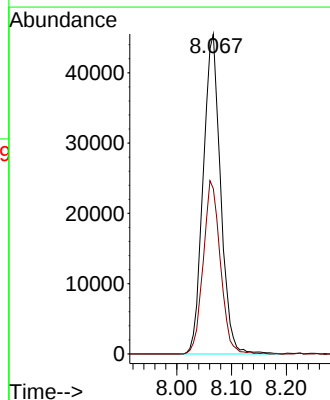
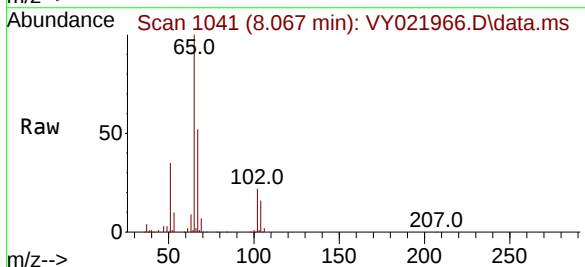
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-231RE

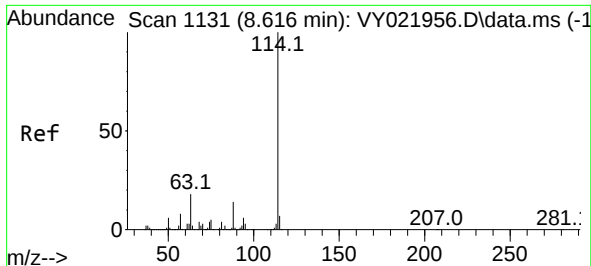
Tgt Ion:168 Resp: 244503
Ion Ratio Lower Upper
168 100
99 51.0 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 44.360 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY021966.D
Acq: 23 Apr 2025 13:06

Tgt Ion: 65 Resp: 100183
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021966.D

Acq: 23 Apr 2025 13:06

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-231RE

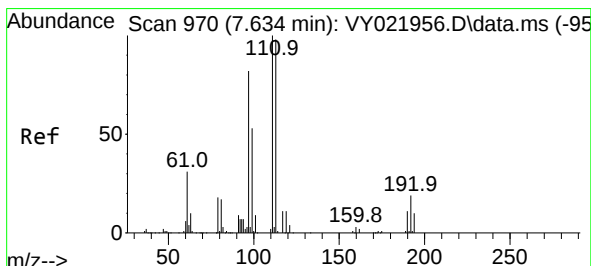
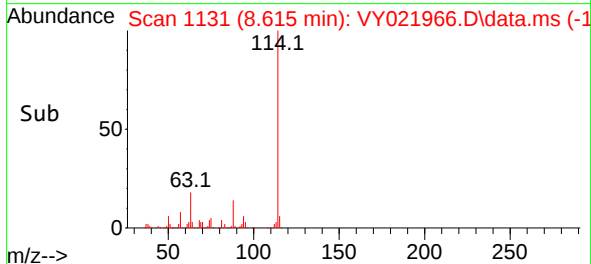
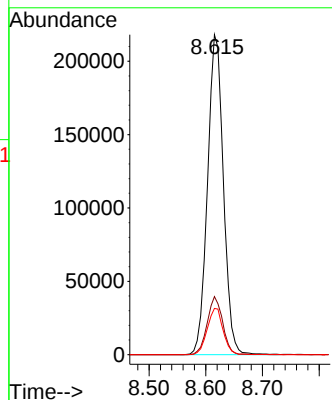
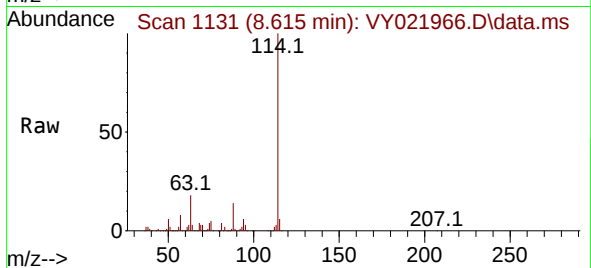
Tgt Ion:114 Resp: 424369

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.4

88 14.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 49.311 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY021966.D

Acq: 23 Apr 2025 13:06

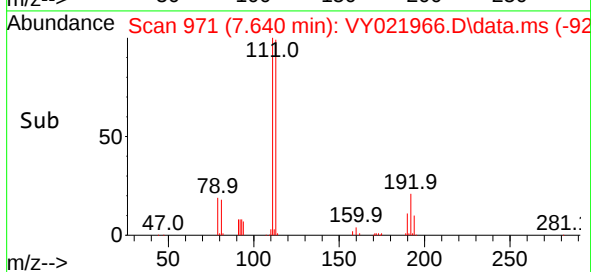
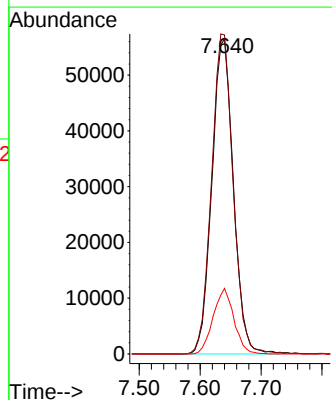
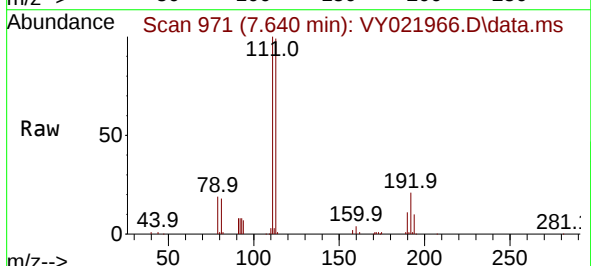
Tgt Ion:113 Resp: 138249

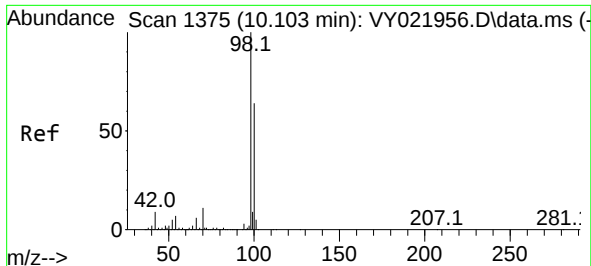
Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

192 20.1 15.6 23.4

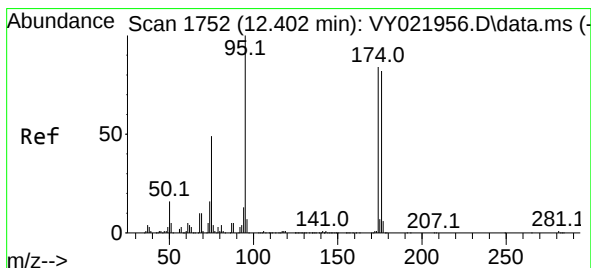
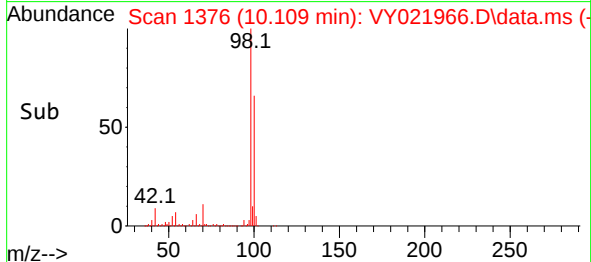
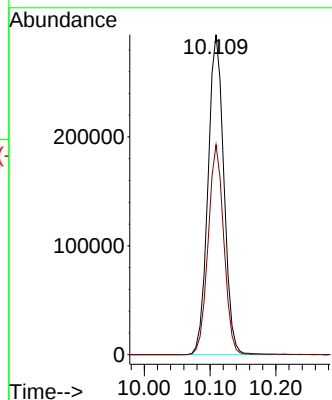
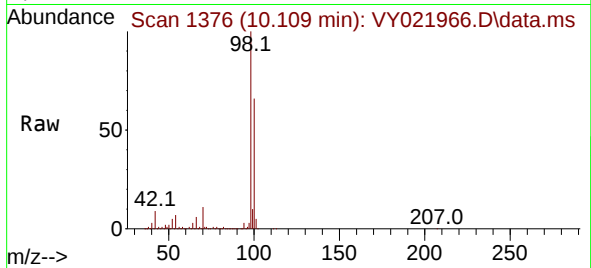




#50
Toluene-d8
Concen: 46.644 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY021966.D
Acq: 23 Apr 2025 13:06

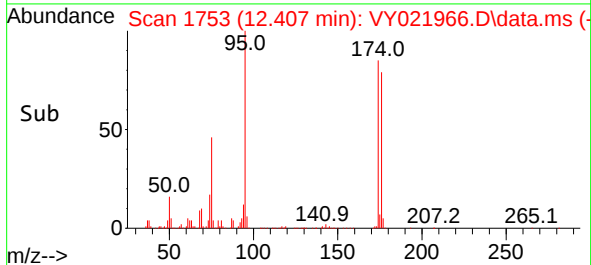
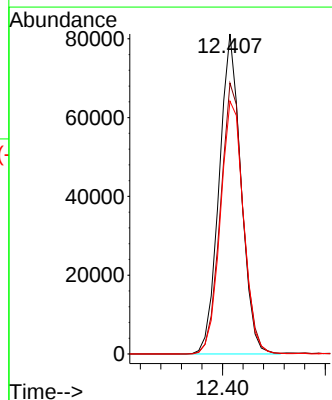
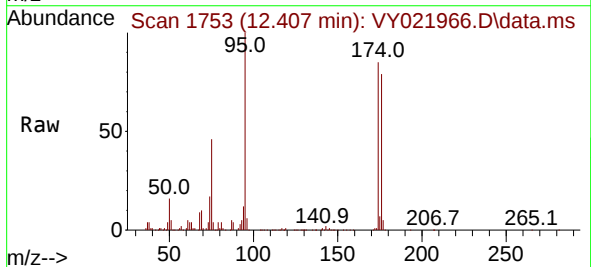
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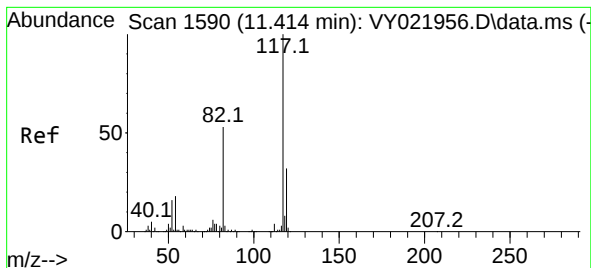
Tgt Ion: 98 Resp: 493003
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 33.651 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021966.D
Acq: 23 Apr 2025 13:06

Tgt Ion: 95 Resp: 119735
Ion Ratio Lower Upper
95 100
174 87.3 0.0 179.0
176 83.3 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021966.D

Acq: 23 Apr 2025 13:06

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-231RE

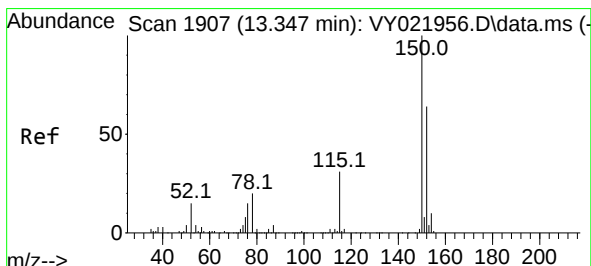
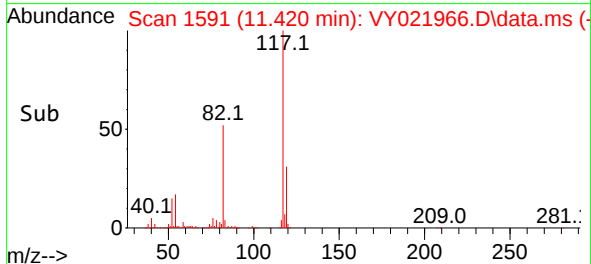
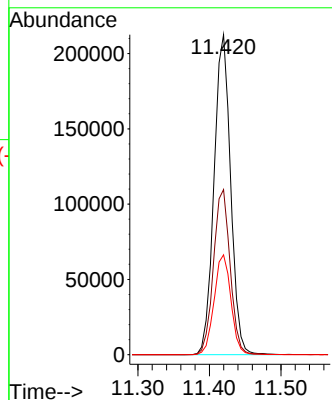
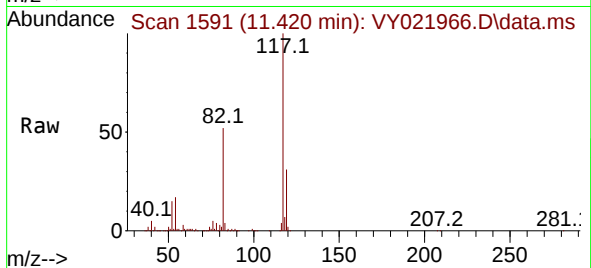
Tgt Ion:117 Resp: 342183

Ion Ratio Lower Upper

117 100

82 51.6 42.1 63.1

119 31.2 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021966.D

Acq: 23 Apr 2025 13:06

Tgt Ion:152 Resp: 112329

Ion Ratio Lower Upper

152 100

115 57.6 28.0 84.0

150 157.3 0.0 345.6

