

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042425\
 Data File : VY021994.D
 Acq On : 24 Apr 2025 11:48
 Operator : SY/MD
 Sample : Q1867-03
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ211

Quant Time: Apr 25 01:23:46 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	114979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	183982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	152923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	47257	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	52175	49.127	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.260%
35) Dibromofluoromethane	7.634	113	68133	56.054	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.100%
50) Toluene-d8	10.109	98	216204	47.182	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.360%
62) 4-Bromofluorobenzene	12.407	95	48967	31.743	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.480%

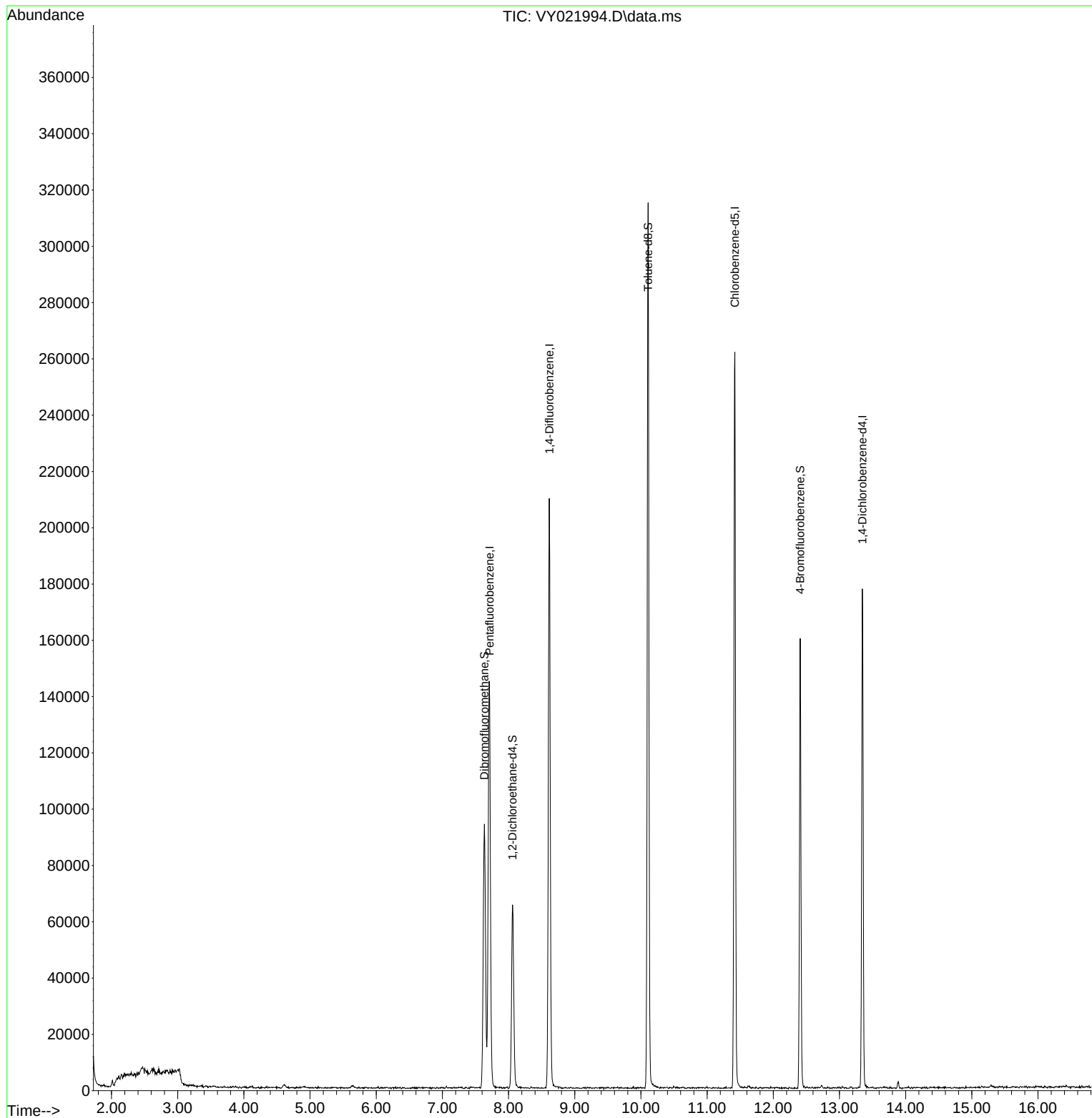
Target Compounds	Qvalue

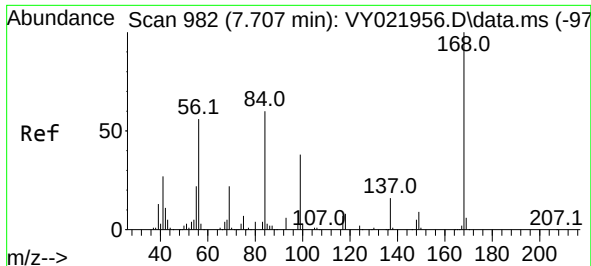
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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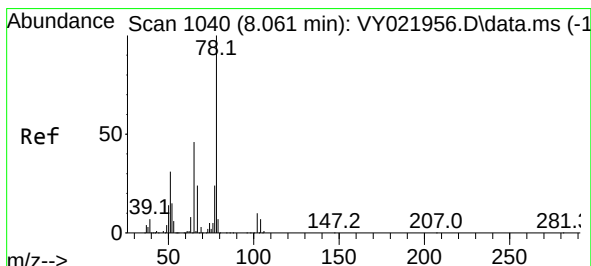
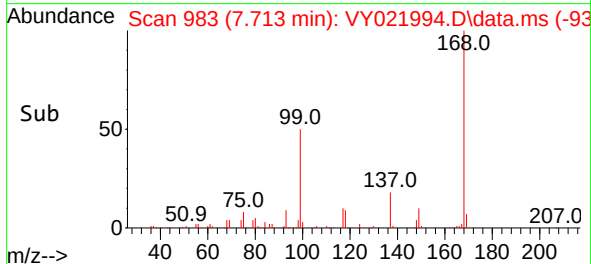
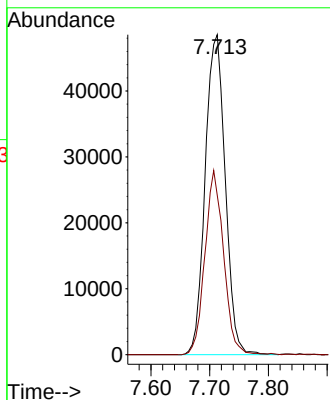
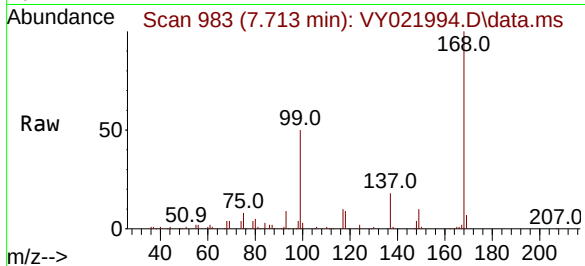




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021994.D
Acq: 24 Apr 2025 11:48

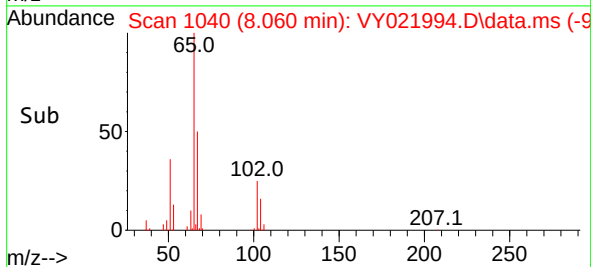
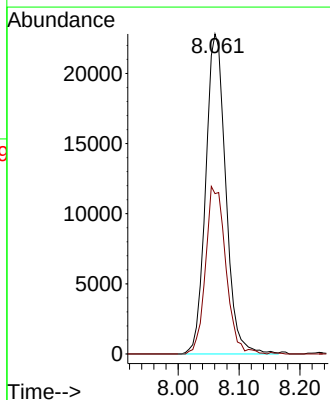
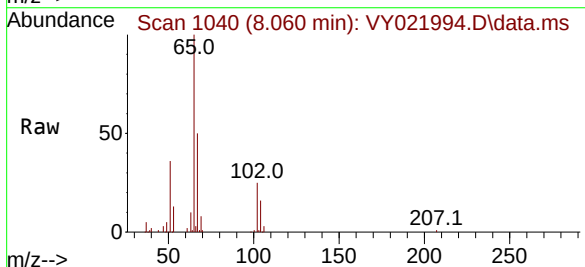
Instrument :
MSVOA_Y
ClientSampleId :
VNJ211

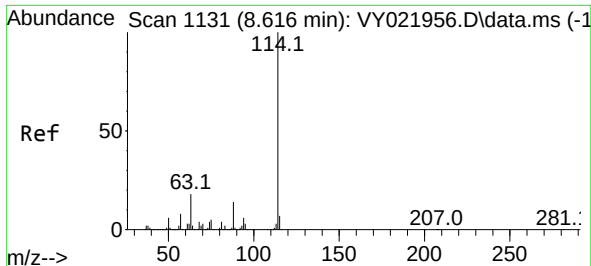
Tgt Ion:168 Resp: 114979
Ion Ratio Lower Upper
168 100
99 49.9 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 49.127 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021994.D
Acq: 24 Apr 2025 11:48

Tgt Ion: 65 Resp: 52175
Ion Ratio Lower Upper
65 100
67 53.0 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: VY021994.D

Acq: 24 Apr 2025 11:48

Instrument :

MSVOA_Y

ClientSampleId :

VNJ211

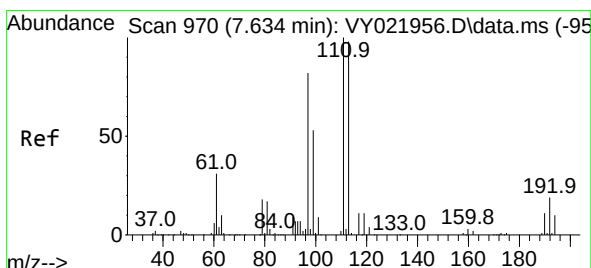
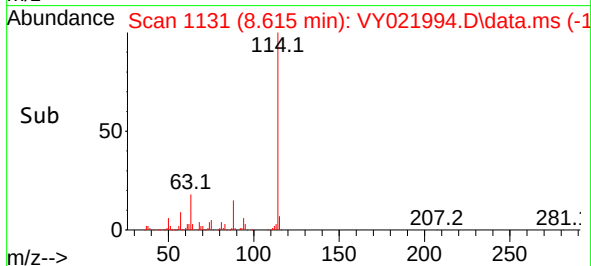
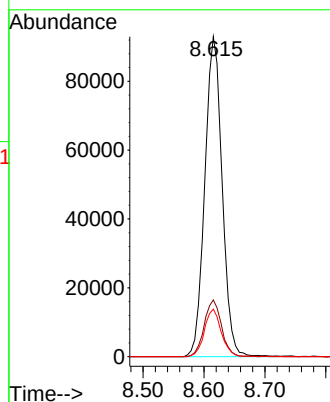
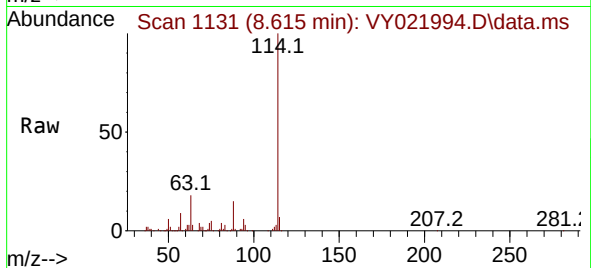
Tgt Ion:114 Resp: 183982

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

88 14.8 0.0 28.2



#35

Dibromofluoromethane

Concen: 56.054 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021994.D

Acq: 24 Apr 2025 11:48

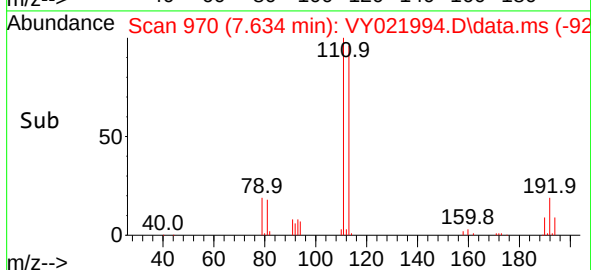
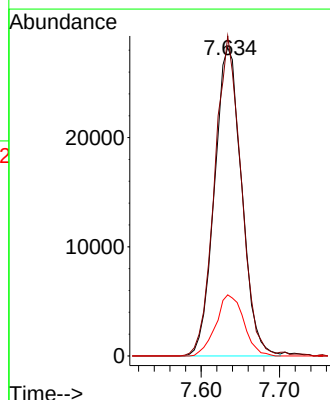
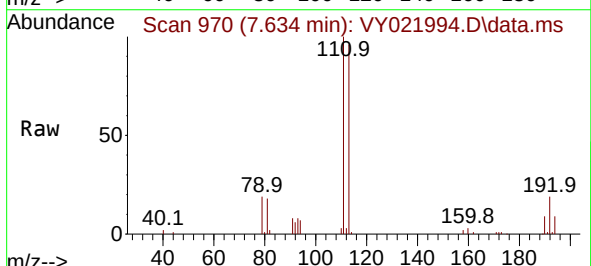
Tgt Ion:113 Resp: 68133

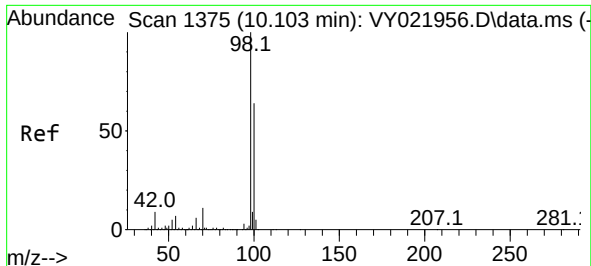
Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

192 20.3 15.6 23.4

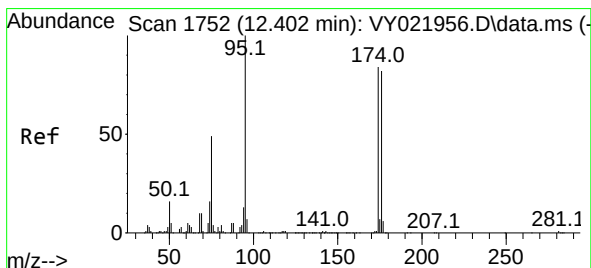
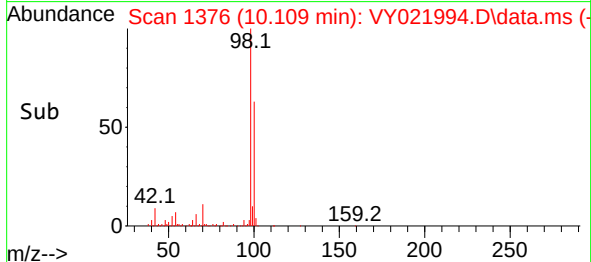
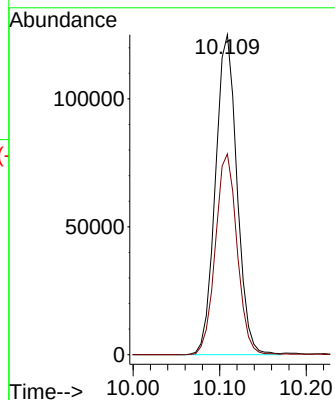
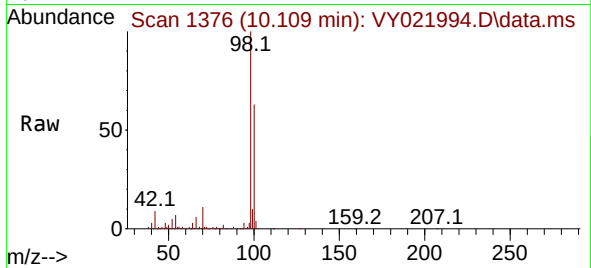




#50
Toluene-d8
Concen: 47.182 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021994.D
Acq: 24 Apr 2025 11:48

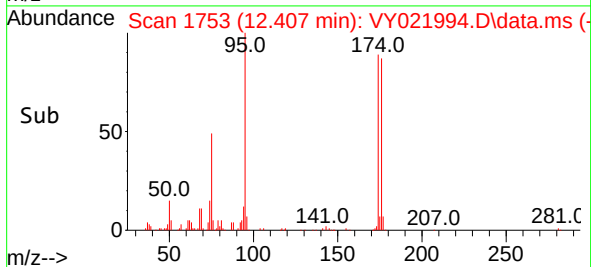
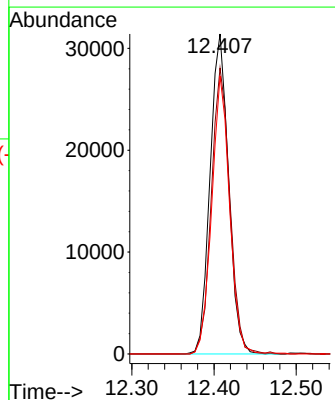
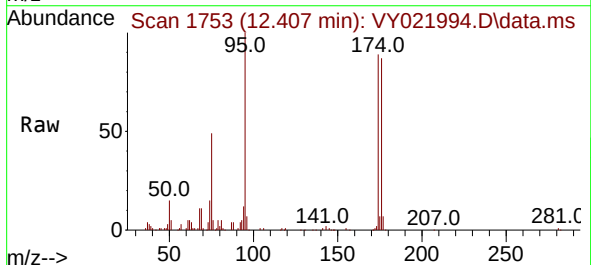
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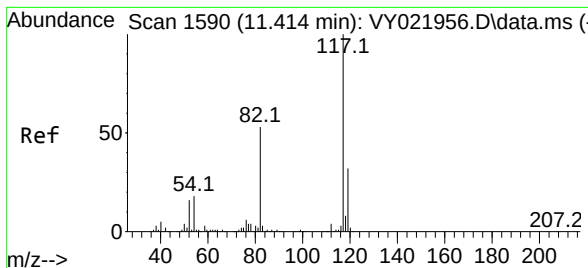
Tgt Ion: 98 Resp: 216204
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 31.743 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021994.D
Acq: 24 Apr 2025 11:48

Tgt Ion: 95 Resp: 48967
Ion Ratio Lower Upper
95 100
174 89.9 0.0 179.0
176 84.1 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY021994.D

Acq: 24 Apr 2025 11:48

Instrument :

MSVOA_Y

ClientSampleId :

VNJ211

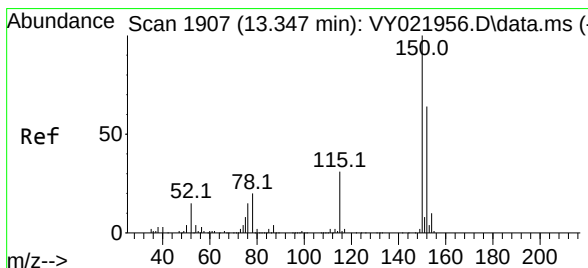
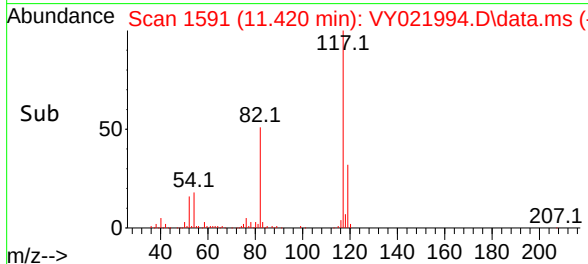
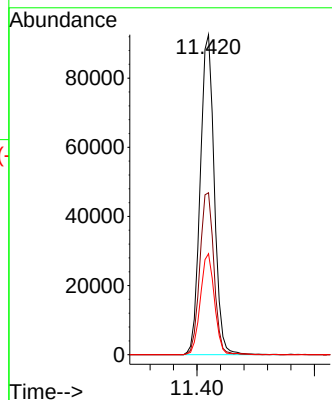
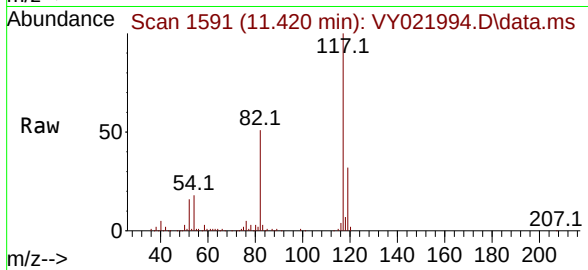
Tgt Ion:117 Resp: 152923

Ion Ratio Lower Upper

117 100

82 50.6 42.1 63.1

119 31.5 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: VY021994.D

Acq: 24 Apr 2025 11:48

Tgt Ion:152 Resp: 47257

Ion Ratio Lower Upper

152 100

115 55.8 28.0 84.0

150 160.9 0.0 345.6

