

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022149.D
 Acq On : 05 May 2025 11:14
 Operator : SY/MD
 Sample : Q1933-01RE
 Misc : 5.33g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-050125RE

Quant Time: May 06 05:20:08 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	100342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	167598	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	139623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	47649	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	44246	47.739	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.480%
35) Dibromofluoromethane	7.640	113	60525	54.663	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.320%
50) Toluene-d8	10.109	98	195400	46.810	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.620%
62) 4-Bromofluorobenzene	12.408	95	47359	33.702	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.400%

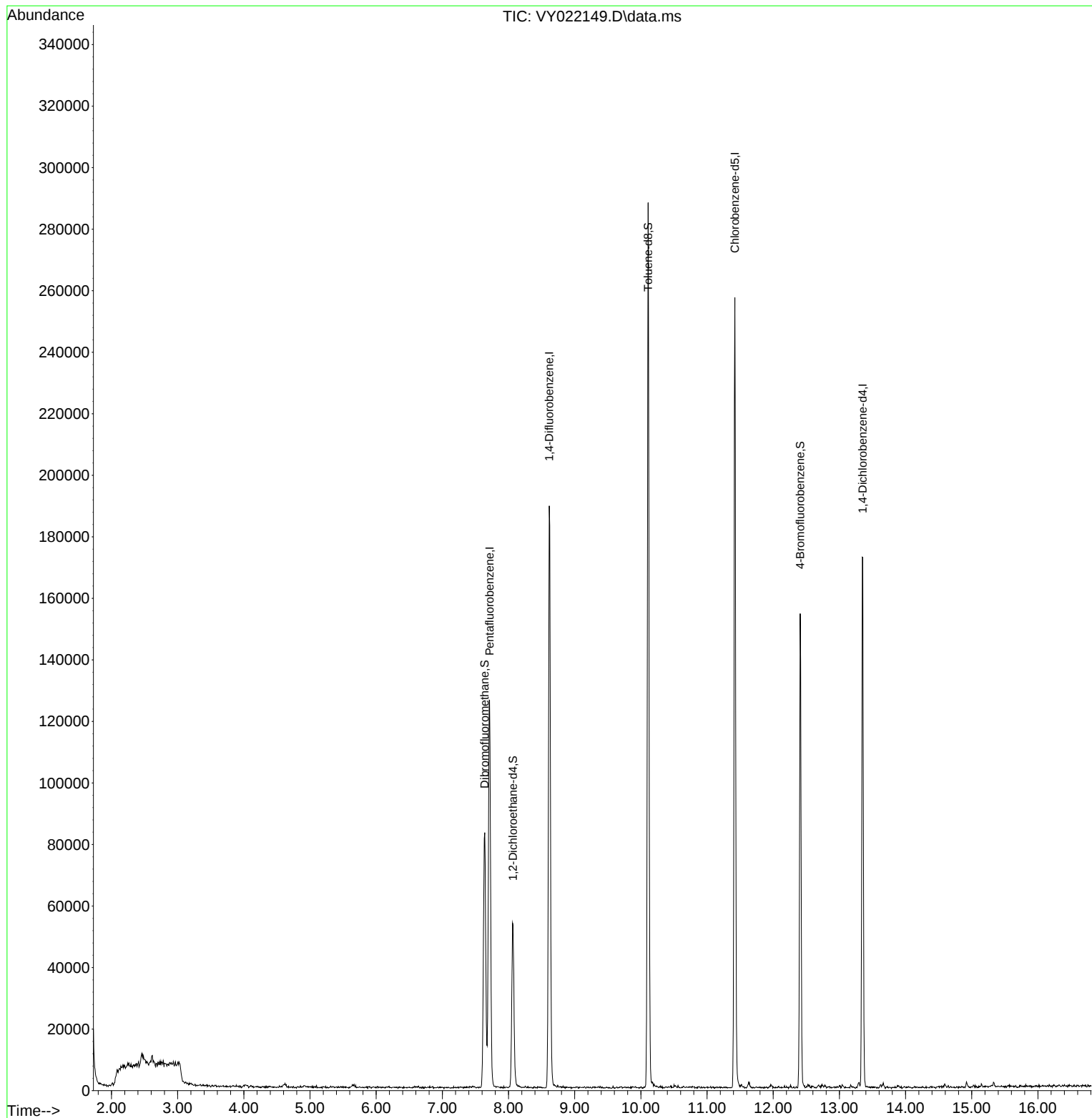
Target Compounds	Qvalue

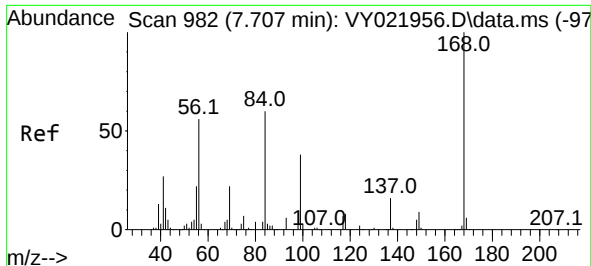
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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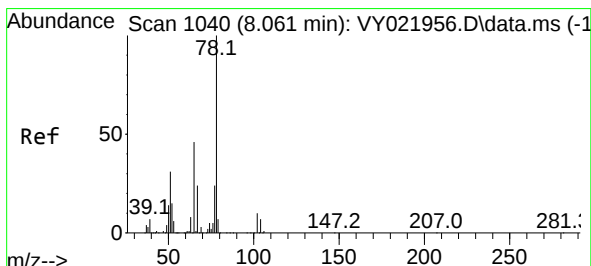
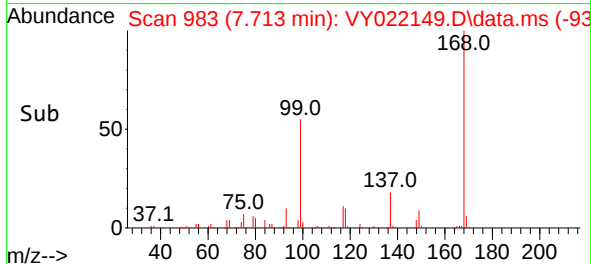
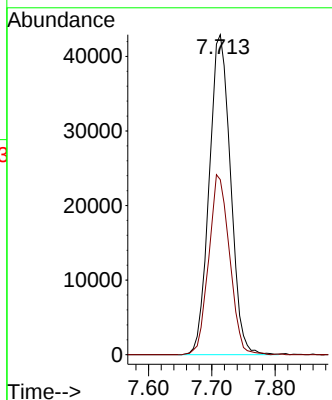
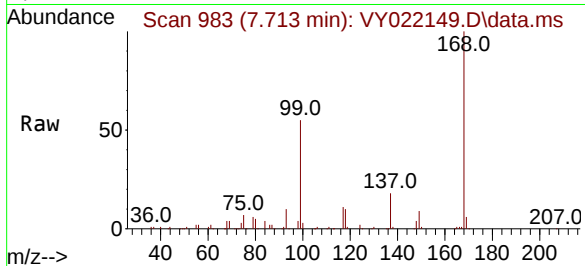




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022149.D
Acq: 05 May 2025 11:14

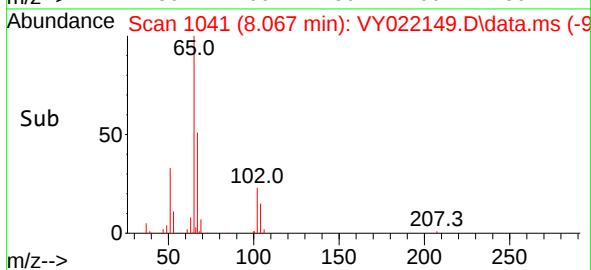
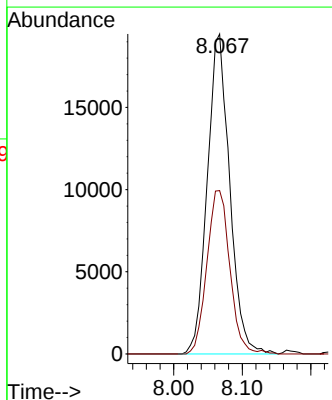
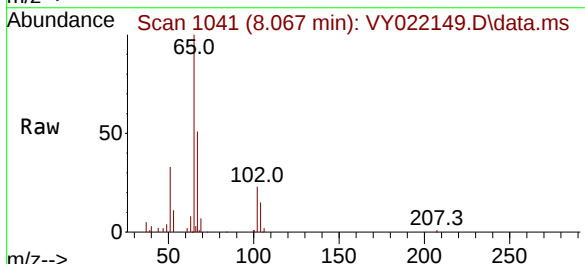
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-050125RE

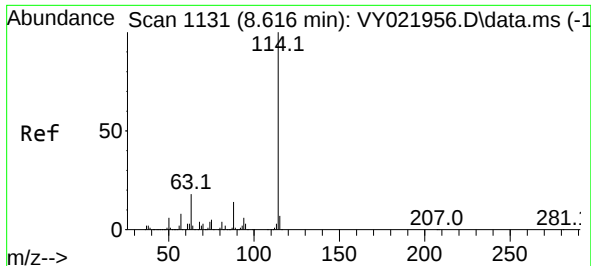
Tgt Ion:168 Resp: 100342
Ion Ratio Lower Upper
168 100
99 54.7 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 47.739 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022149.D
Acq: 05 May 2025 11:14

Tgt Ion: 65 Resp: 44246
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022149.D

Acq: 05 May 2025 11:14

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-050125RE

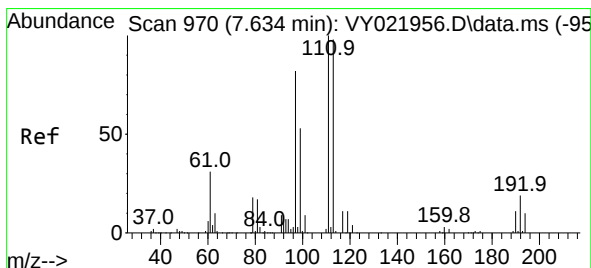
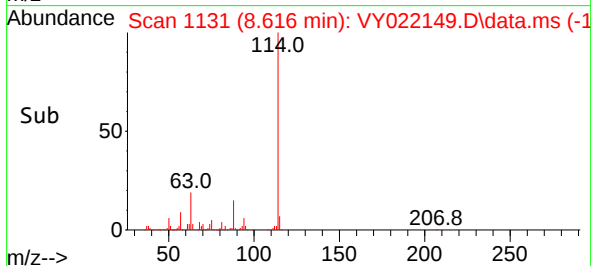
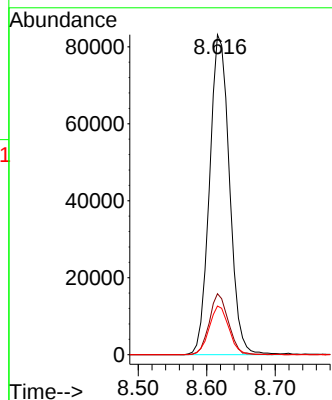
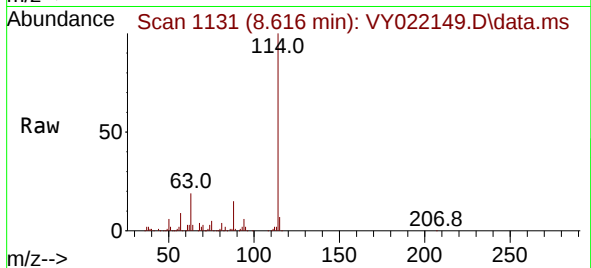
Tgt Ion:114 Resp: 167598

Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.4

88 15.2 0.0 28.2



#35

Dibromofluoromethane

Concen: 54.663 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022149.D

Acq: 05 May 2025 11:14

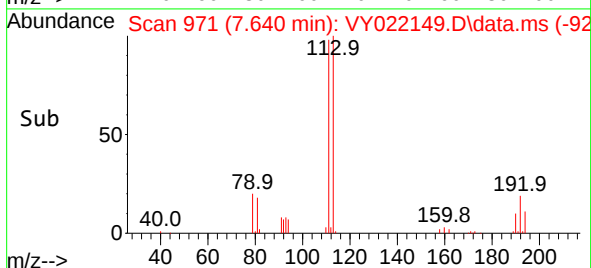
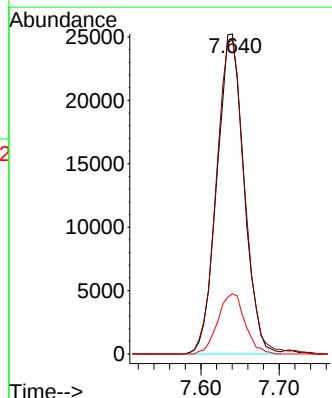
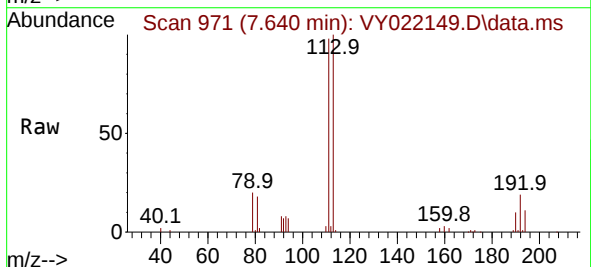
Tgt Ion:113 Resp: 60525

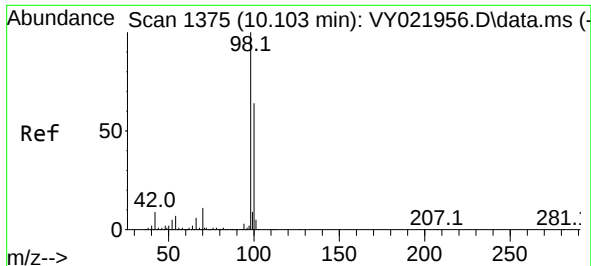
Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

192 18.9 15.6 23.4

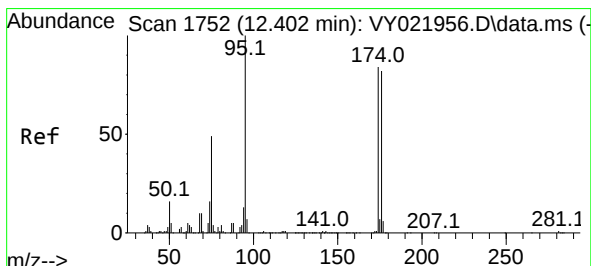
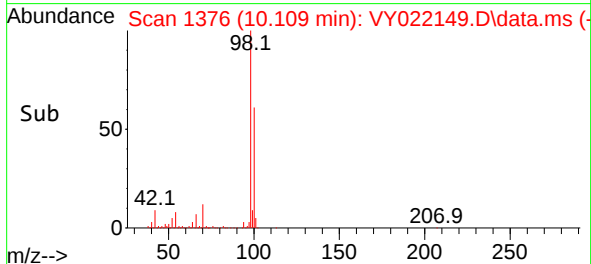
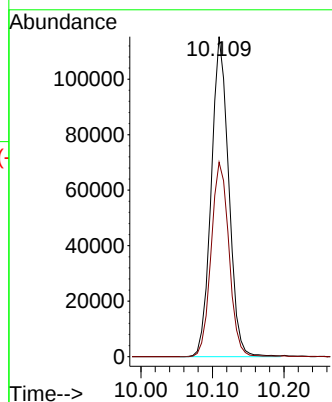
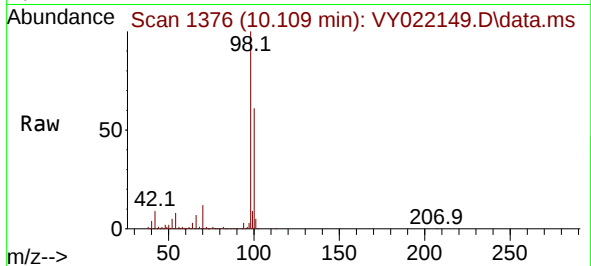




#50
Toluene-d8
Concen: 46.810 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022149.D
Acq: 05 May 2025 11:14

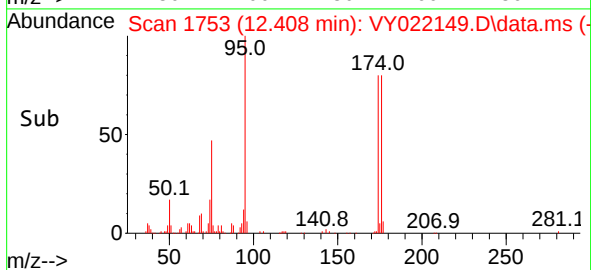
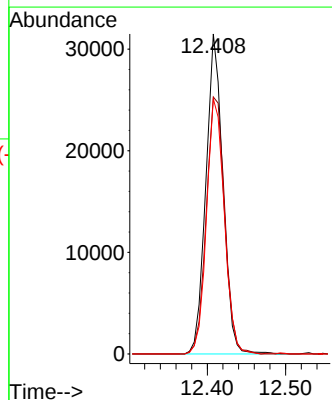
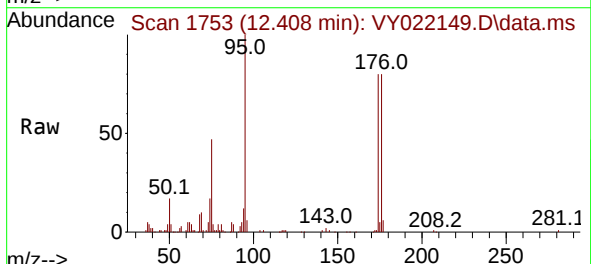
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-050125RE

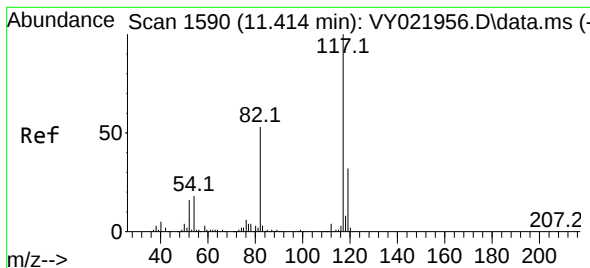
Tgt Ion: 98 Resp: 195400
Ion Ratio Lower Upper
98 100
100 62.1 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 33.702 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022149.D
Acq: 05 May 2025 11:14

Tgt Ion: 95 Resp: 47359
Ion Ratio Lower Upper
95 100
174 87.9 0.0 179.0
176 83.2 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: VY022149.D

Acq: 05 May 2025 11:14

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-050125RE

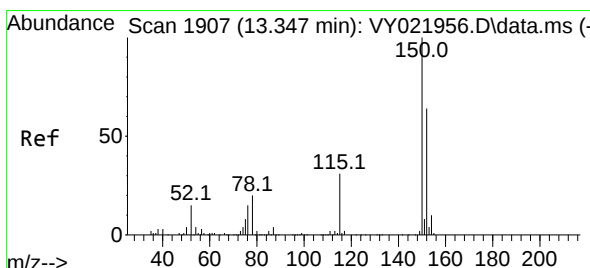
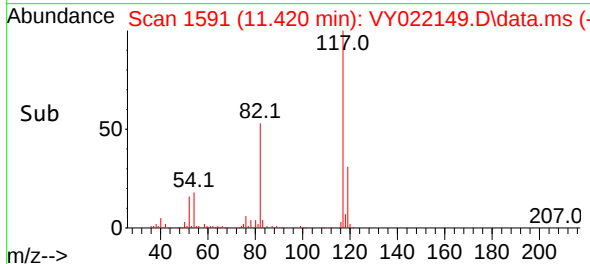
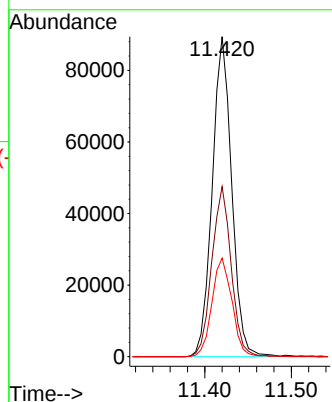
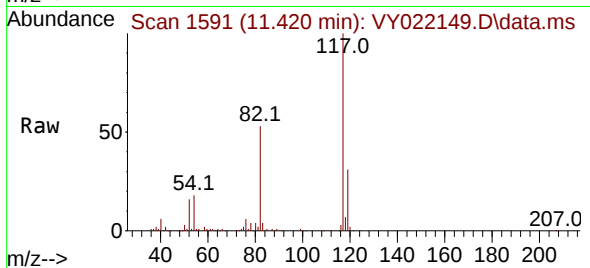
Tgt Ion:117 Resp: 139623

Ion Ratio Lower Upper

117 100

82 53.2 42.1 63.1

119 30.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022149.D

Acq: 05 May 2025 11:14

Tgt Ion:152 Resp: 47649

Ion Ratio Lower Upper

152 100

115 55.1 28.0 84.0

150 155.4 0.0 345.6

