

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021981.D
 Acq On : 23 Apr 2025 18:58
 Operator : SY/MD
 Sample : Q1859-01
 Misc : 4.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Quant Time: Apr 24 03:48:00 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	7.707	168	315119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	594440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	522816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	198189	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	155914	53.566	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.140%
35) Dibromofluoromethane	7.634	113	197379	50.260	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.520%
50) Toluene-d8	10.103	98	719773	48.615	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.240%
62) 4-Bromofluorobenzene	12.408	95	199467	40.020	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.040%

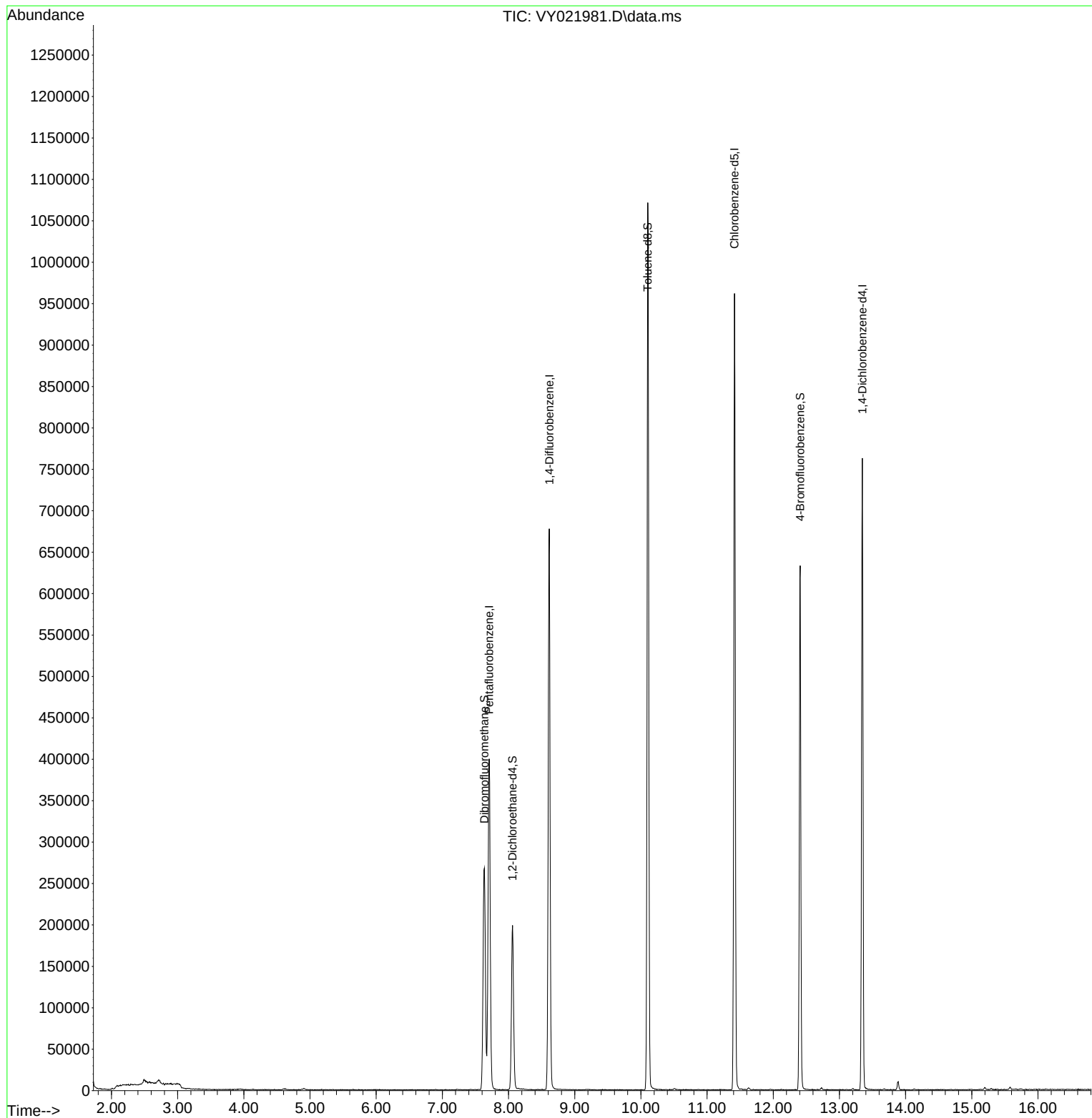
Target Compounds	Qvalue

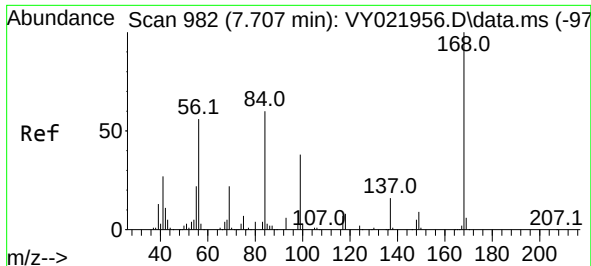
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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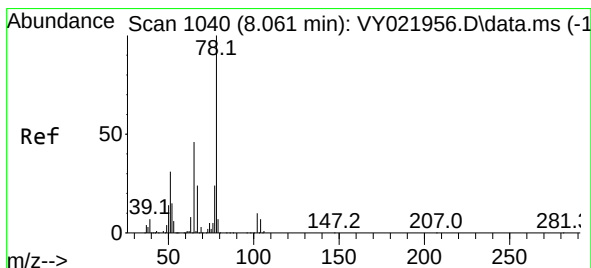
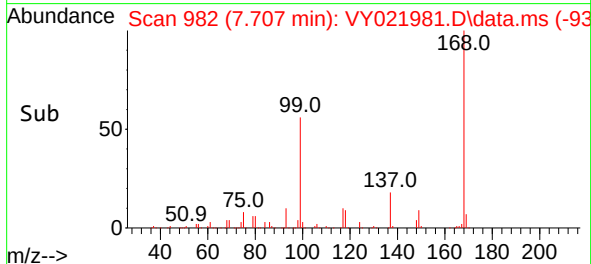
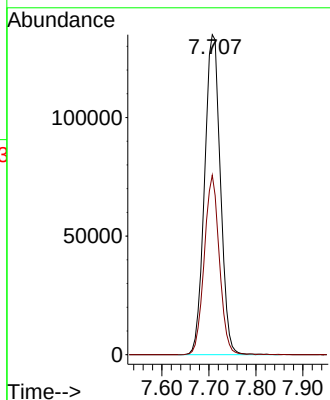
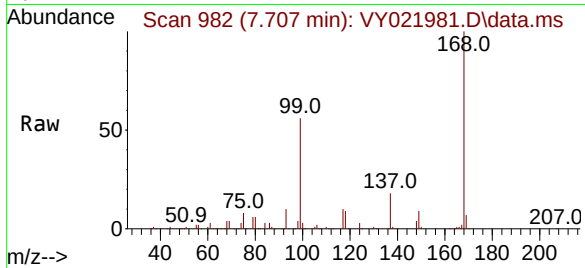




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021981.D
Acq: 23 Apr 2025 18:58

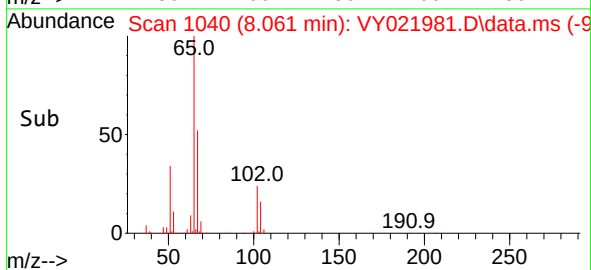
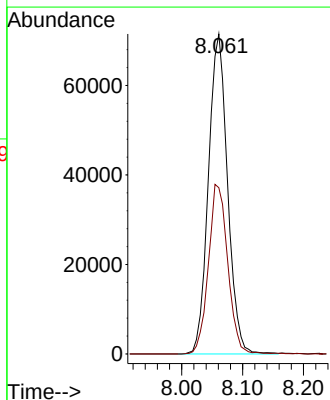
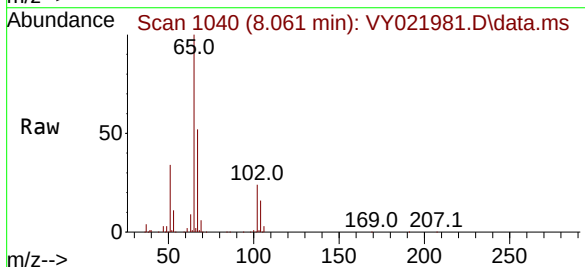
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

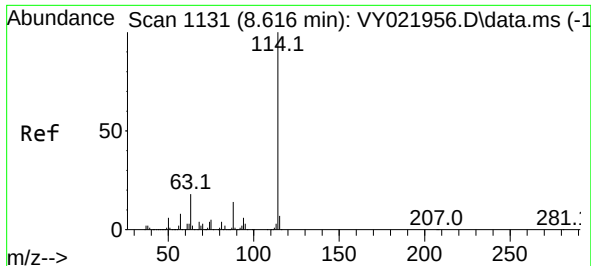
Tgt Ion:168 Resp: 315119
Ion Ratio Lower Upper
168 100
99 56.1 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 53.566 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021981.D
Acq: 23 Apr 2025 18:58

Tgt Ion: 65 Resp: 155914
Ion Ratio Lower Upper
65 100
67 53.5 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: VY021981.D

Acq: 23 Apr 2025 18:58

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1

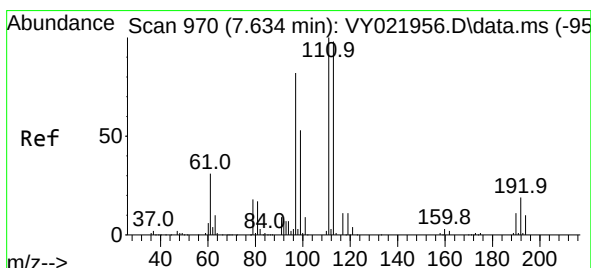
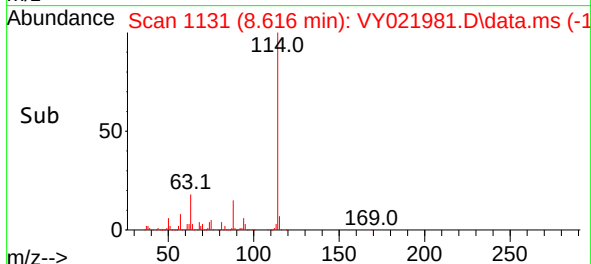
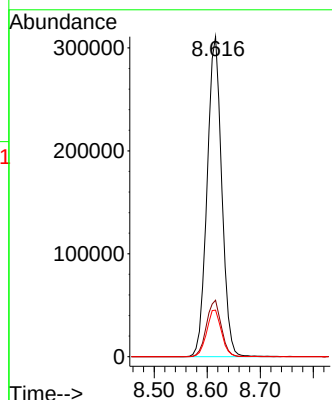
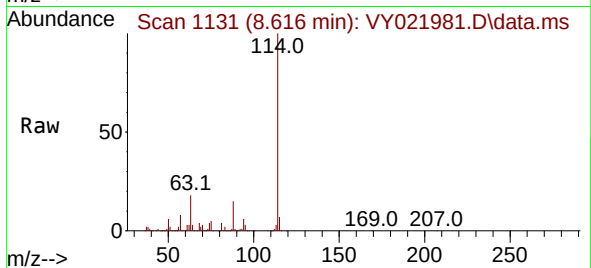
Tgt Ion:114 Resp: 594440

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.4

88 14.5 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.260 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021981.D

Acq: 23 Apr 2025 18:58

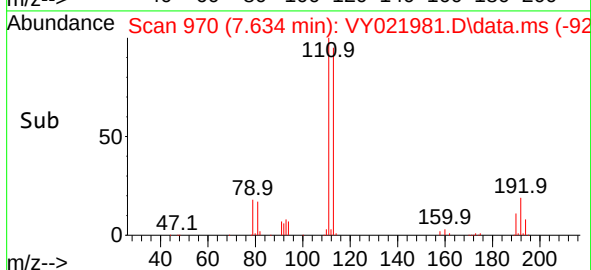
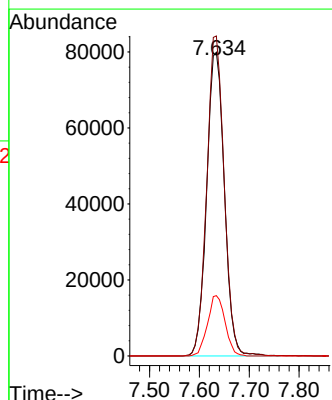
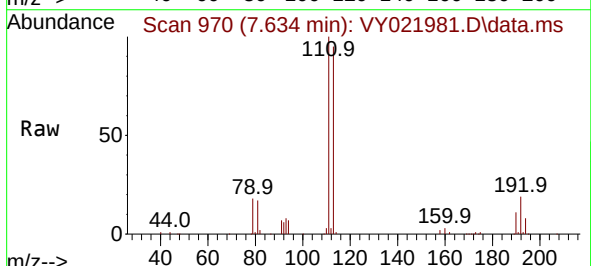
Tgt Ion:113 Resp: 197379

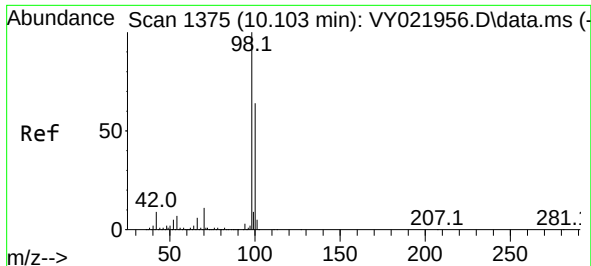
Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

192 19.7 15.6 23.4

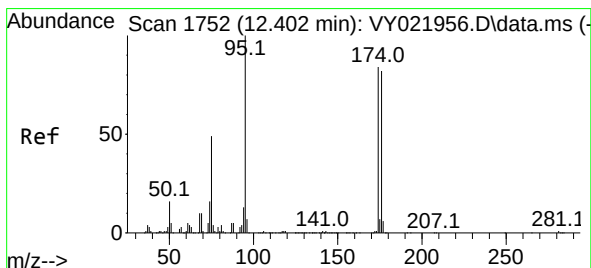
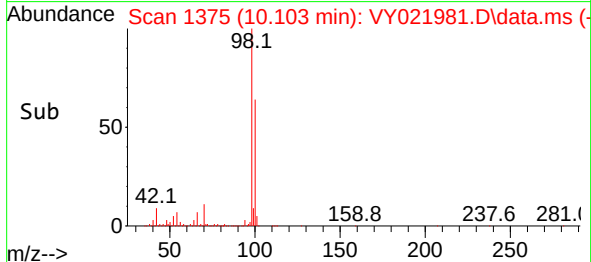
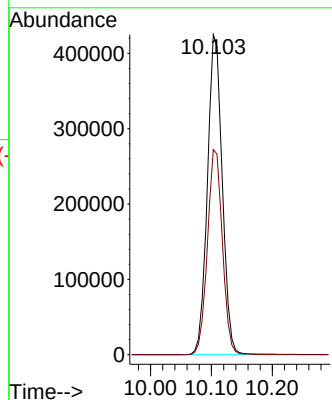
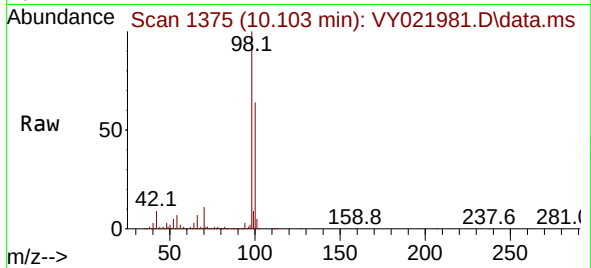




#50
Toluene-d8
Concen: 48.615 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021981.D
Acq: 23 Apr 2025 18:58

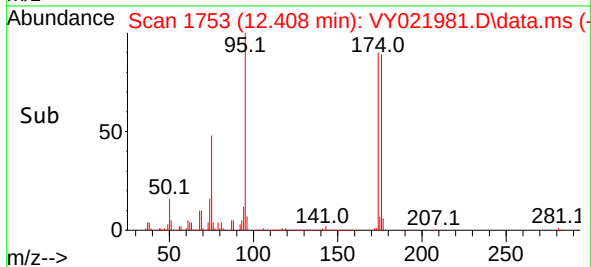
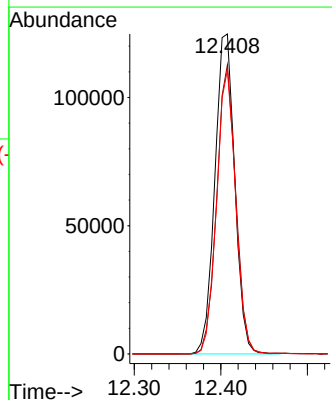
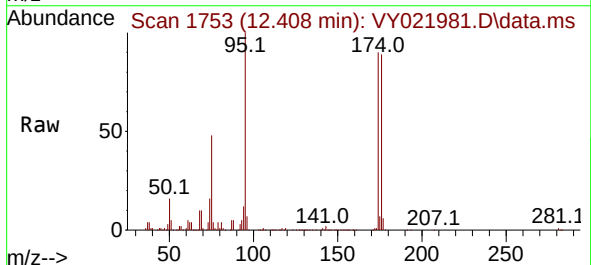
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

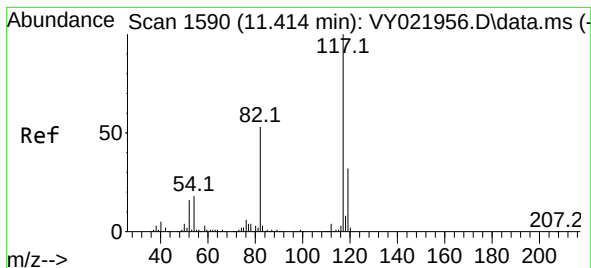
Tgt Ion: 98 Resp: 719773
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 40.020 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021981.D
Acq: 23 Apr 2025 18:58

Tgt Ion: 95 Resp: 199467
Ion Ratio Lower Upper
95 100
174 86.8 0.0 179.0
176 84.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021981.D

Acq: 23 Apr 2025 18:58

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1

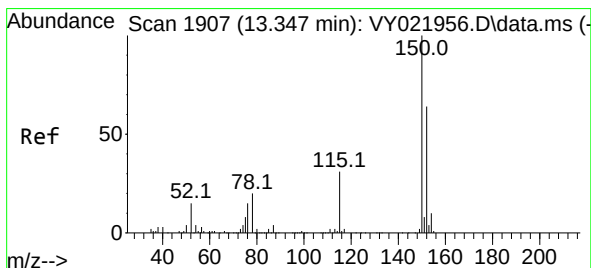
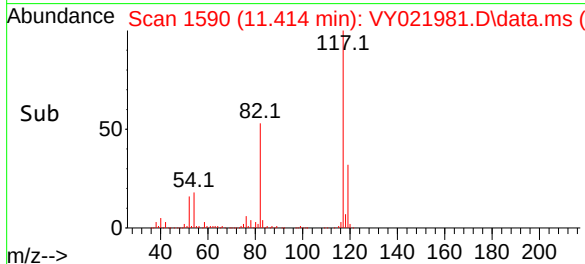
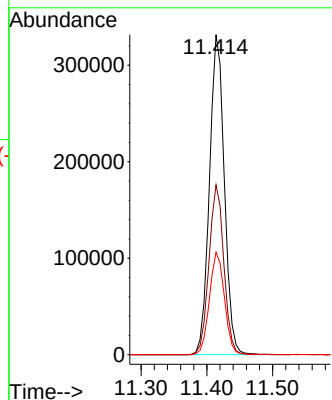
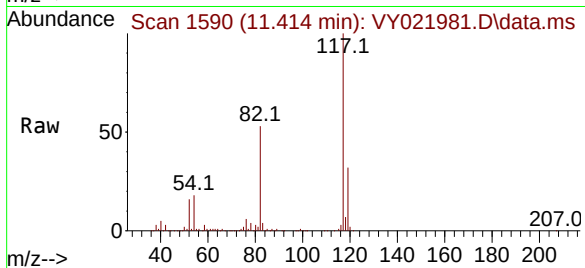
Tgt Ion:117 Resp: 522816

Ion Ratio Lower Upper

117 100

82 53.0 42.1 63.1

119 32.0 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: VY021981.D

Acq: 23 Apr 2025 18:58

Tgt Ion:152 Resp: 198189

Ion Ratio Lower Upper

152 100

115 57.1 28.0 84.0

150 158.1 0.0 345.6

