

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021743.D
 Acq On : 01 Apr 2025 15:52
 Operator : SY/MD
 Sample : Q1687-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-12016

Quant Time: Apr 02 03:24:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	17540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	18653	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	7840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	734	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	3469	18.254	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	36.500%#
35) Dibromofluoromethane	7.634	113	4792	39.604	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.200%
50) Toluene-d8	10.109	98	18148	39.425	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	78.860%
62) 4-Bromofluorobenzene	12.414	95	1184	7.604	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	15.200%#

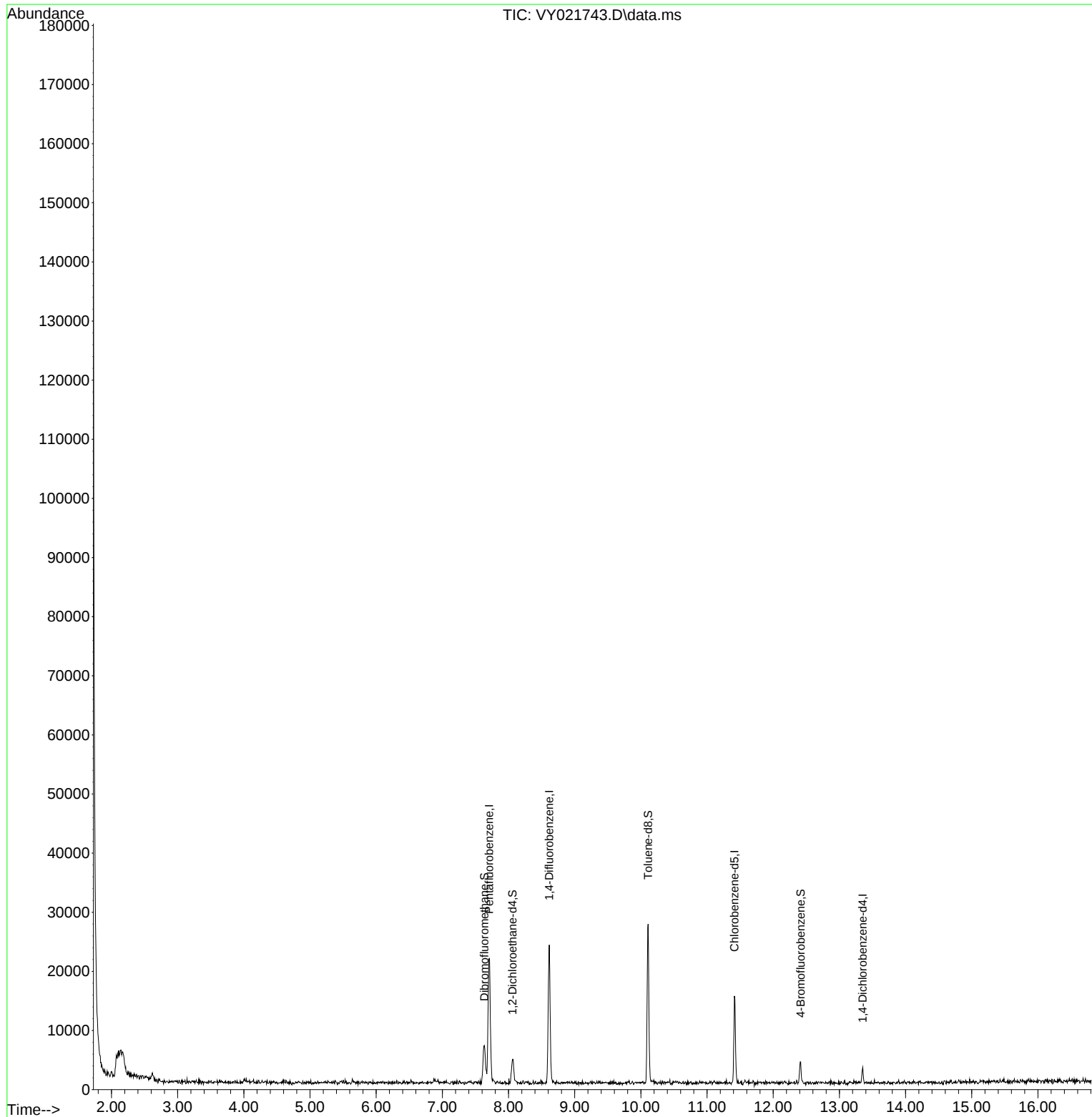
Target Compounds	Qvalue

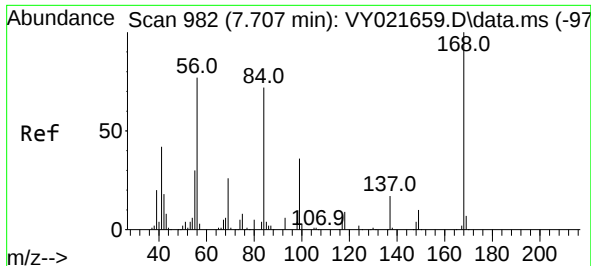
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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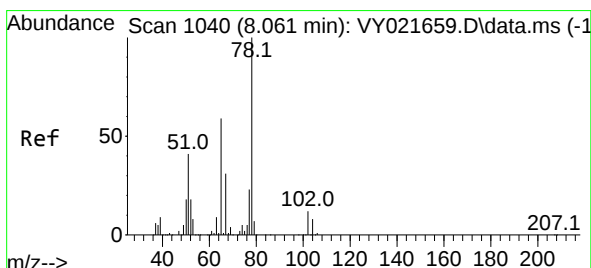
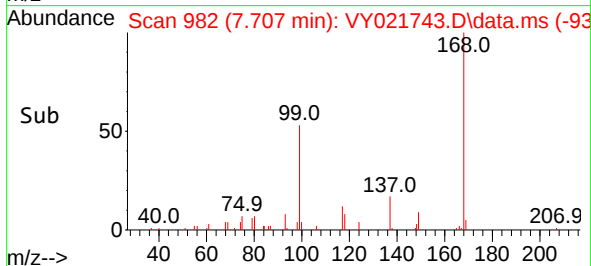
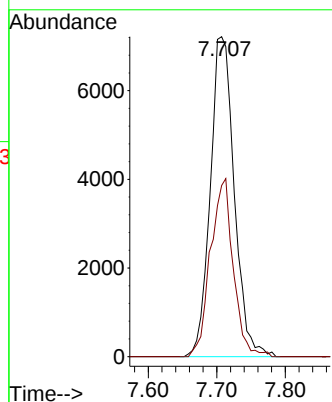
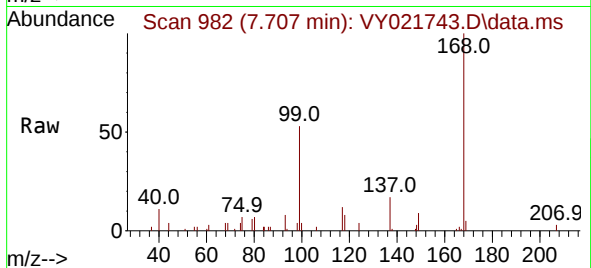




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

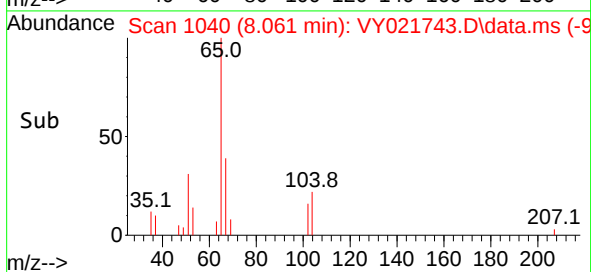
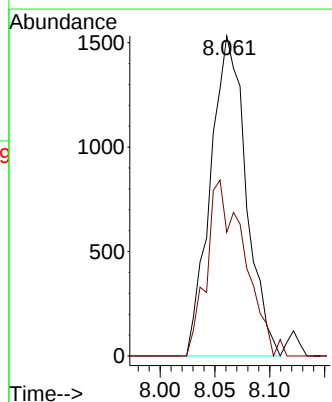
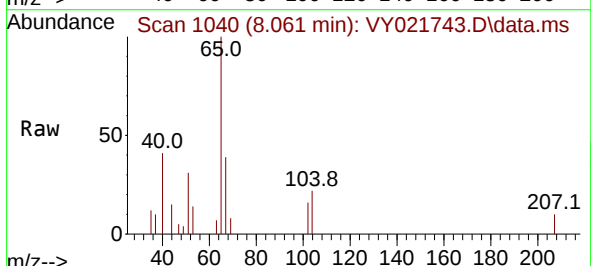
Instrument :
MSVOA_Y
ClientSampleId :
72-12016

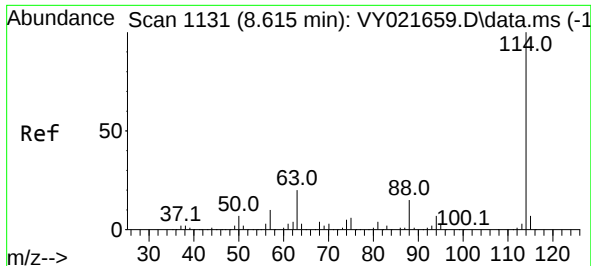
Tgt Ion:168 Resp: 17540
Ion Ratio Lower Upper
168 100
99 53.5 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 18.254 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Tgt Ion: 65 Resp: 3469
Ion Ratio Lower Upper
65 100
67 57.9 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021743.D

Acq: 01 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

72-12016

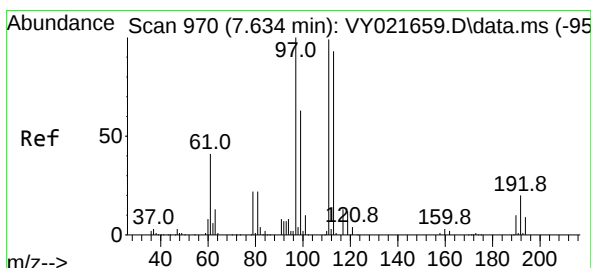
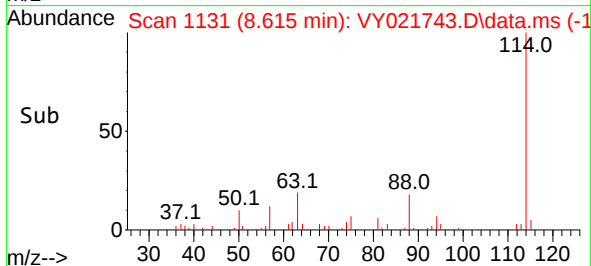
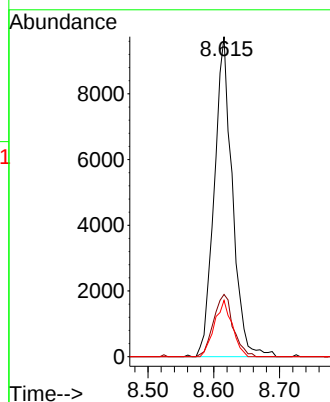
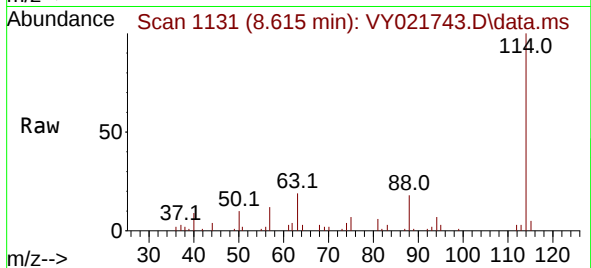
Tgt Ion:114 Resp: 18653

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.2

88 17.6 0.0 29.8



#35

Dibromofluoromethane

Concen: 39.604 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021743.D

Acq: 01 Apr 2025 15:52

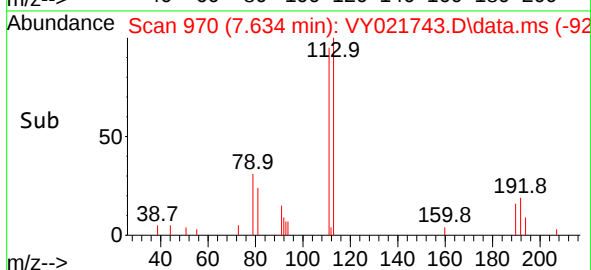
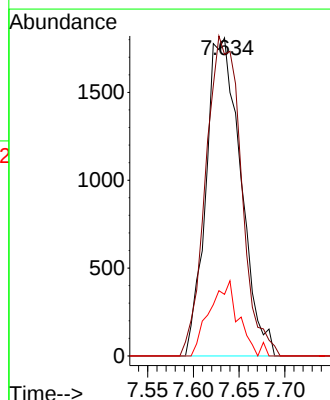
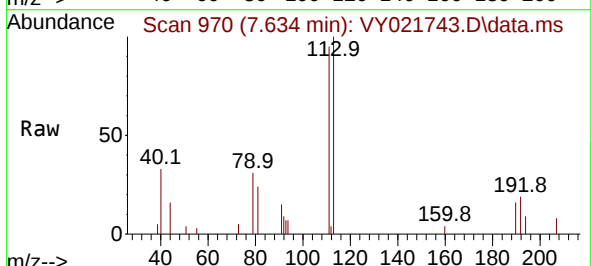
Tgt Ion:113 Resp: 4792

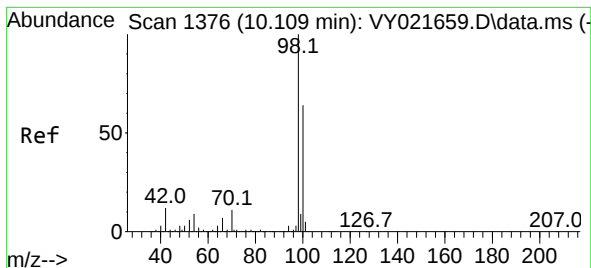
Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

192 19.4 16.2 24.4





#50

Toluene-d8

Concen: 39.425 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021743.D

Acq: 01 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

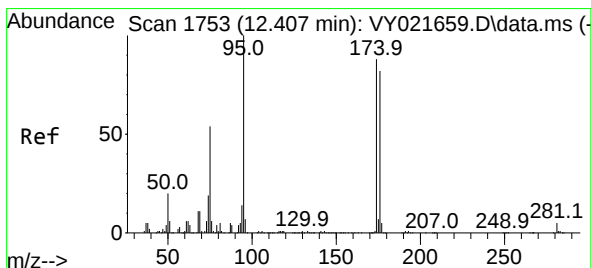
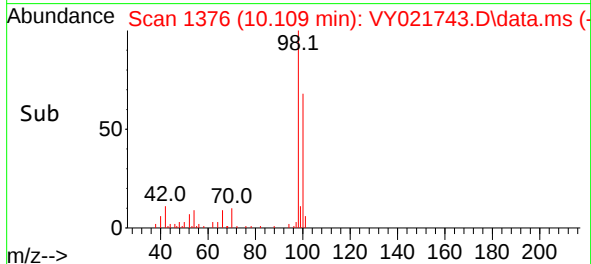
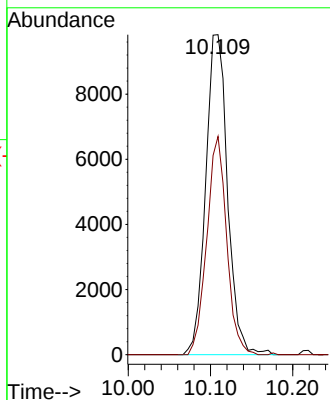
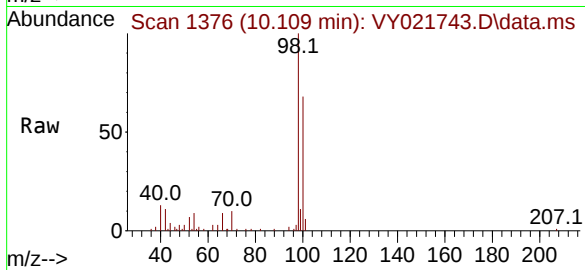
72-12016

Tgt Ion: 98 Resp: 18148

Ion Ratio Lower Upper

98 100

100 62.0 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 7.604 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.006 min

Lab File: VY021743.D

Acq: 01 Apr 2025 15:52

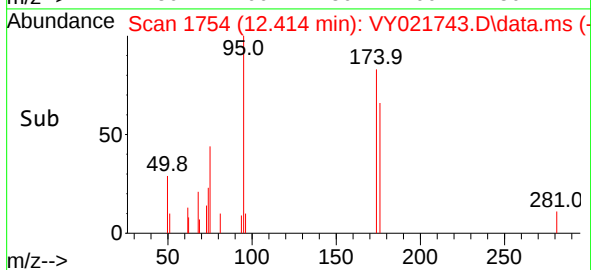
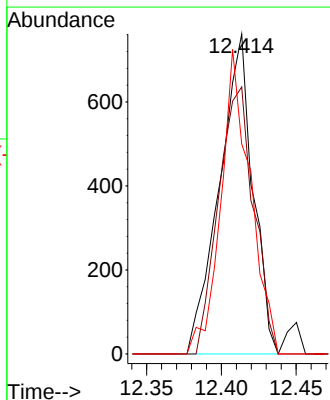
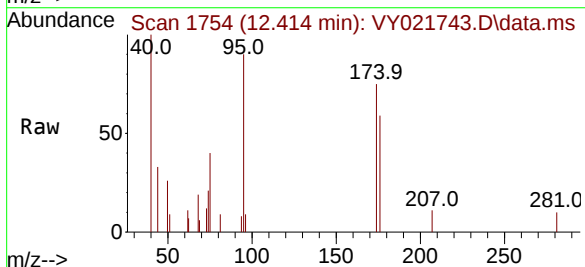
Tgt Ion: 95 Resp: 1184

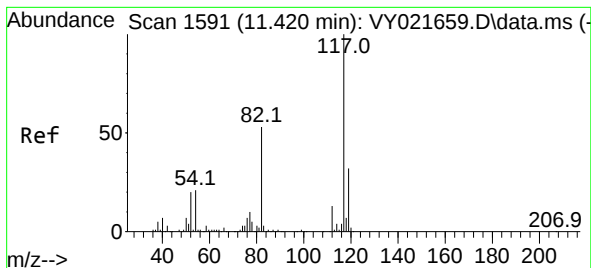
Ion Ratio Lower Upper

95 100

174 88.3 0.0 170.8

176 84.0 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021743.D

Acq: 01 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

72-12016

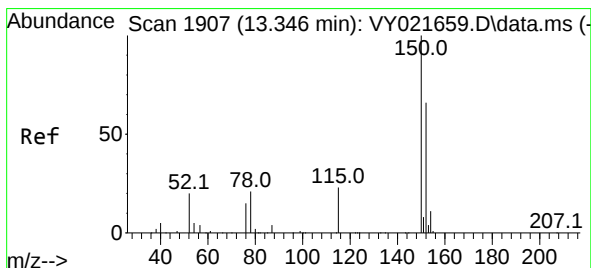
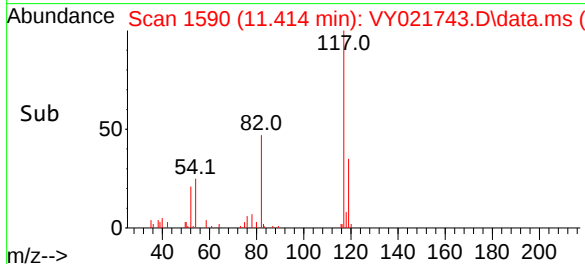
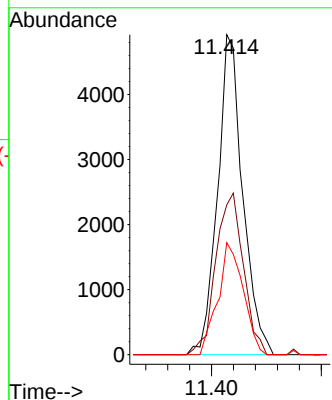
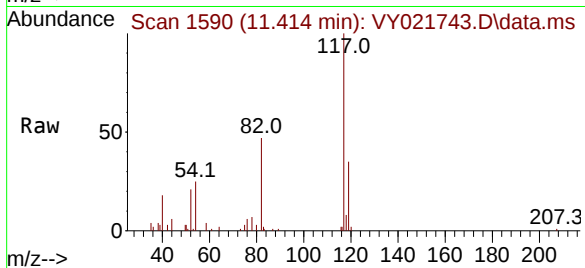
Tgt Ion:117 Resp: 7840

Ion Ratio Lower Upper

117 100

82 46.8 42.8 64.2

119 35.0 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021743.D

Acq: 01 Apr 2025 15:52

Tgt Ion:152 Resp: 734

Ion Ratio Lower Upper

152 100

115 56.3 28.8 86.5

150 150.3 0.0 348.4

