

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022416.D
 Acq On : 23 May 2025 19:11
 Operator : SY/MD
 Sample : Q2100-01
 Misc : 10.70g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-16

Quant Time: May 23 23:24:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	303749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	546937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	451641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	169695	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	184083	55.452	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.900%
35) Dibromofluoromethane	7.640	113	169380	51.886	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.780%
50) Toluene-d8	10.109	98	652262	48.786	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.580%
62) 4-Bromofluorobenzene	12.408	95	173216	40.875	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.740%

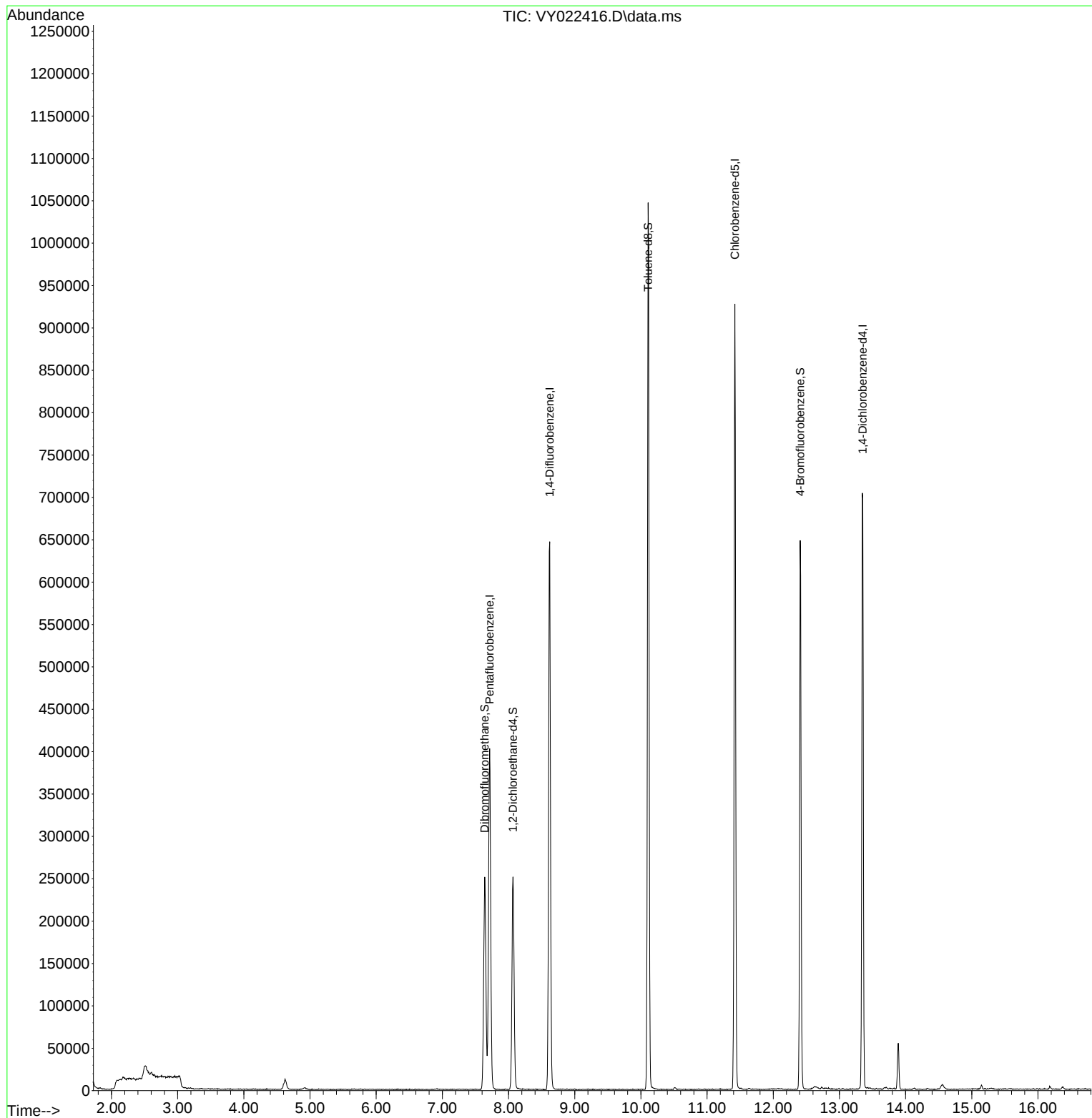
Target Compounds	Qvalue

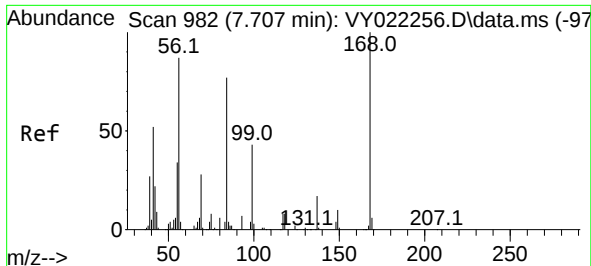
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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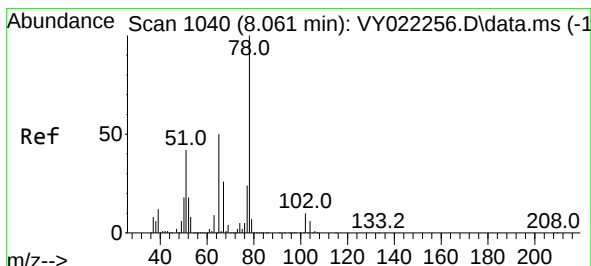
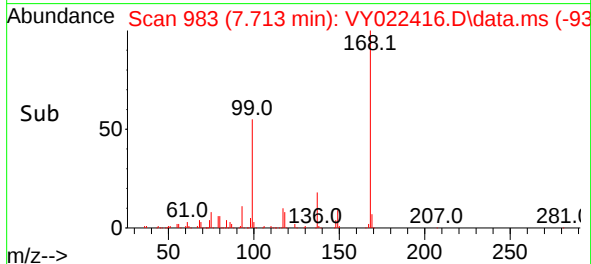
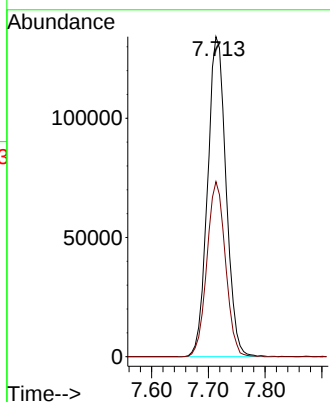
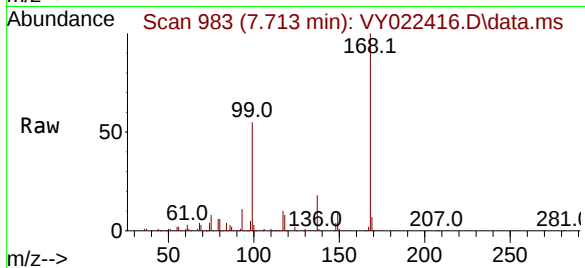




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022416.D
Acq: 23 May 2025 19:11

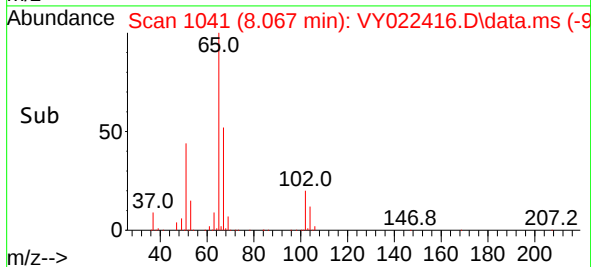
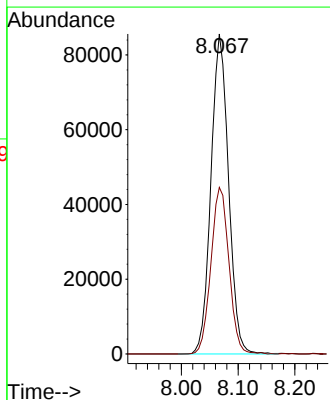
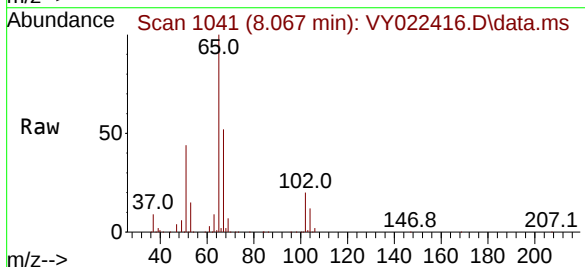
Instrument :
MSVOA_Y
ClientSampleId :
TP-16

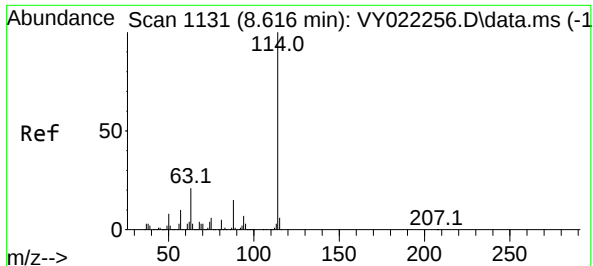
Tgt Ion:168 Resp: 303749
Ion Ratio Lower Upper
168 100
99 54.7 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 55.452 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022416.D
Acq: 23 May 2025 19:11

Tgt Ion: 65 Resp: 184083
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022416.D

Acq: 23 May 2025 19:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-16

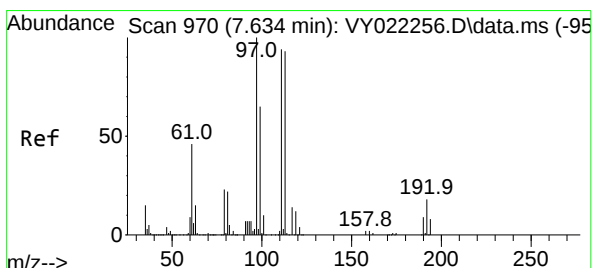
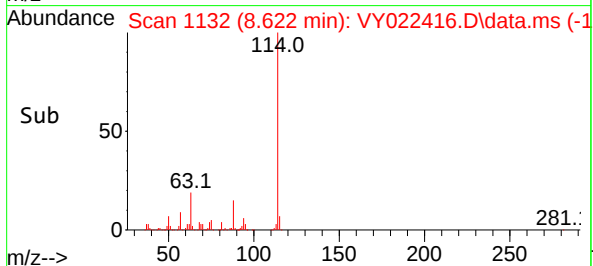
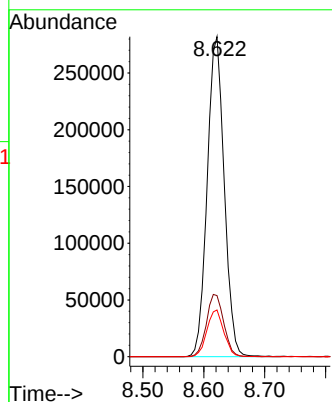
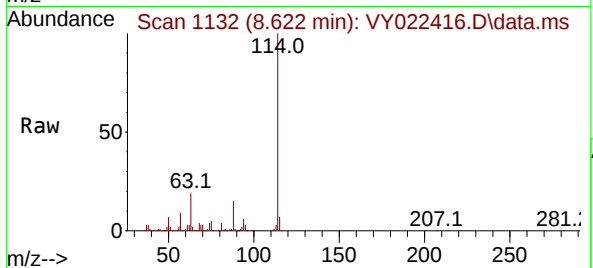
Tgt Ion:114 Resp: 546937

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.0

88 14.6 0.0 29.4



#35

Dibromofluoromethane

Concen: 51.886 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022416.D

Acq: 23 May 2025 19:11

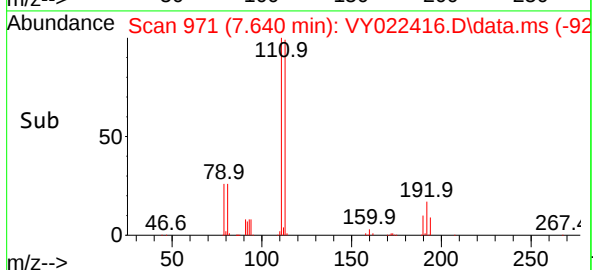
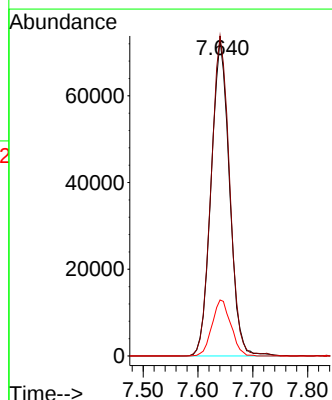
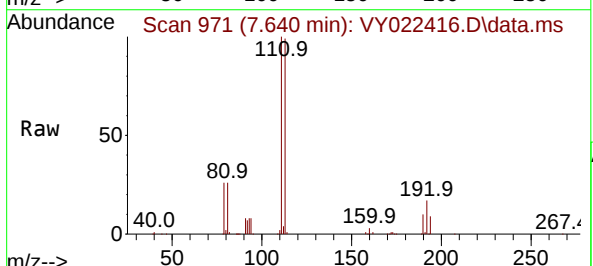
Tgt Ion:113 Resp: 169380

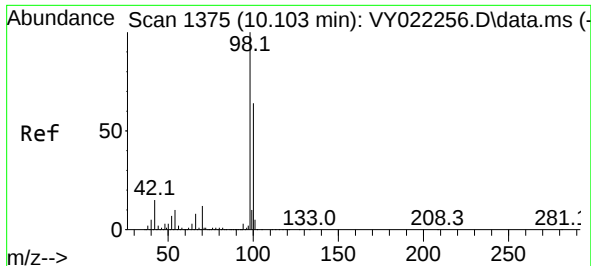
Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

192 18.2 15.2 22.8

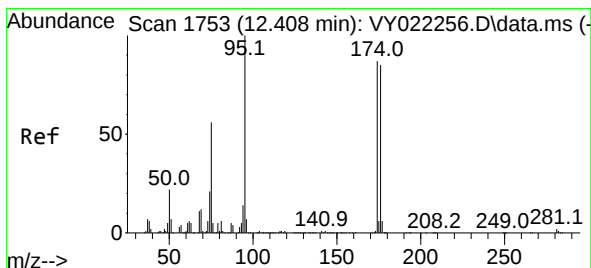
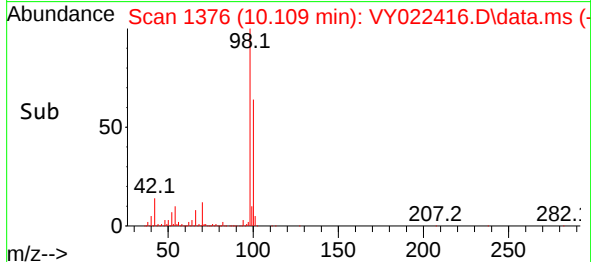
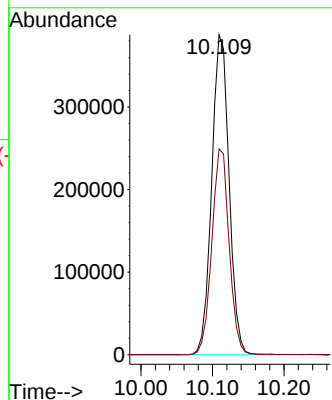
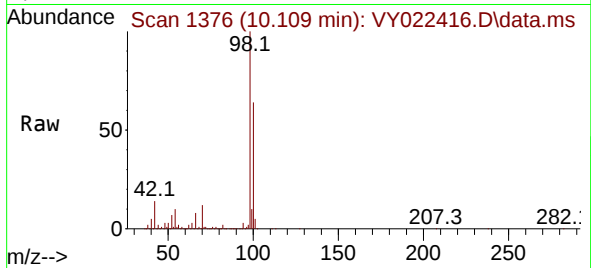




#50
Toluene-d8
Concen: 48.786 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022416.D
Acq: 23 May 2025 19:11

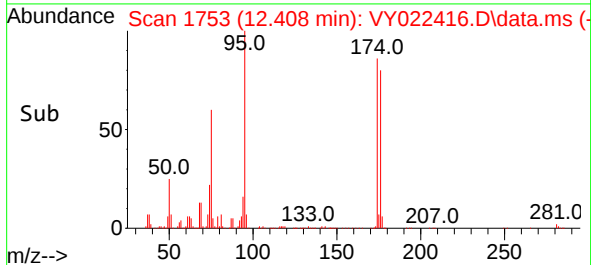
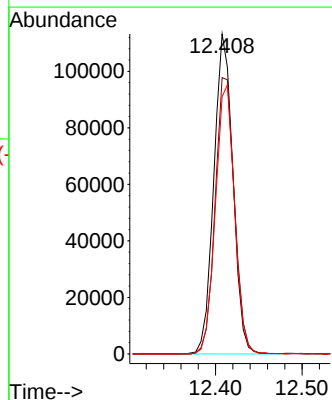
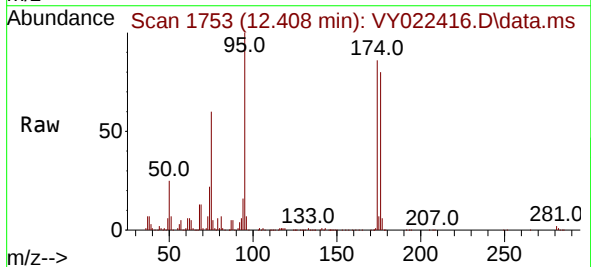
Instrument :
MSVOA_Y
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TP-16

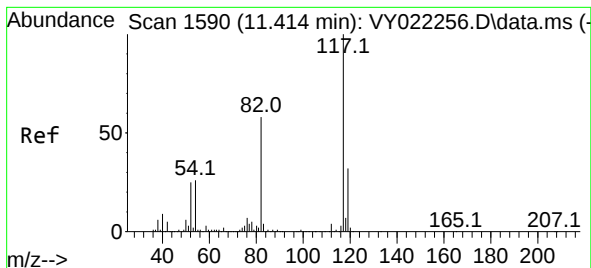
Tgt Ion: 98 Resp: 652262
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.875 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022416.D
Acq: 23 May 2025 19:11

Tgt Ion: 95 Resp: 173216
Ion Ratio Lower Upper
95 100
174 87.8 0.0 166.8
176 84.3 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022416.D

Acq: 23 May 2025 19:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-16

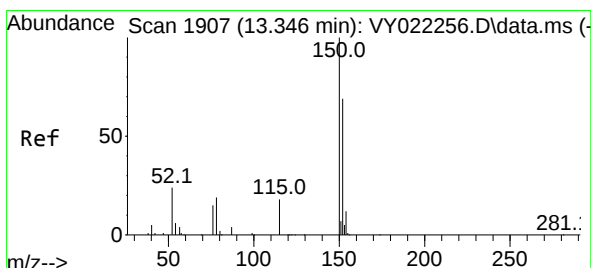
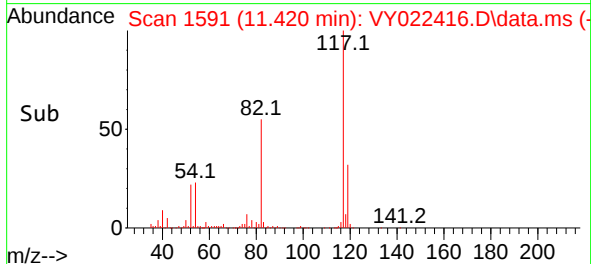
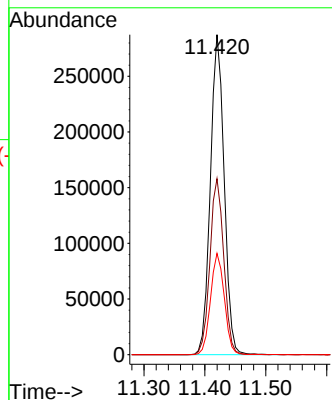
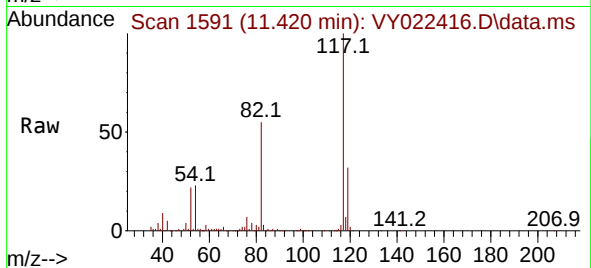
Tgt Ion:117 Resp: 451641

Ion Ratio Lower Upper

117 100

82 55.0 46.6 70.0

119 31.6 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022416.D

Acq: 23 May 2025 19:11

Tgt Ion:152 Resp: 169695

Ion Ratio Lower Upper

152 100

115 57.3 29.4 88.2

150 158.4 0.0 353.8

