

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022467.D
 Acq On : 29 May 2025 15:09
 Operator : SY/MD
 Sample : Q2150-08
 Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-52

Quant Time: May 30 05:35:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	286667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	522350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	404746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	132959	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	156210	51.734	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.460%
35) Dibromofluoromethane	7.640	113	156902	51.291	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.580%
50) Toluene-d8	10.109	98	623120	49.968	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.940%
62) 4-Bromofluorobenzene	12.407	95	146524	38.844	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.680%

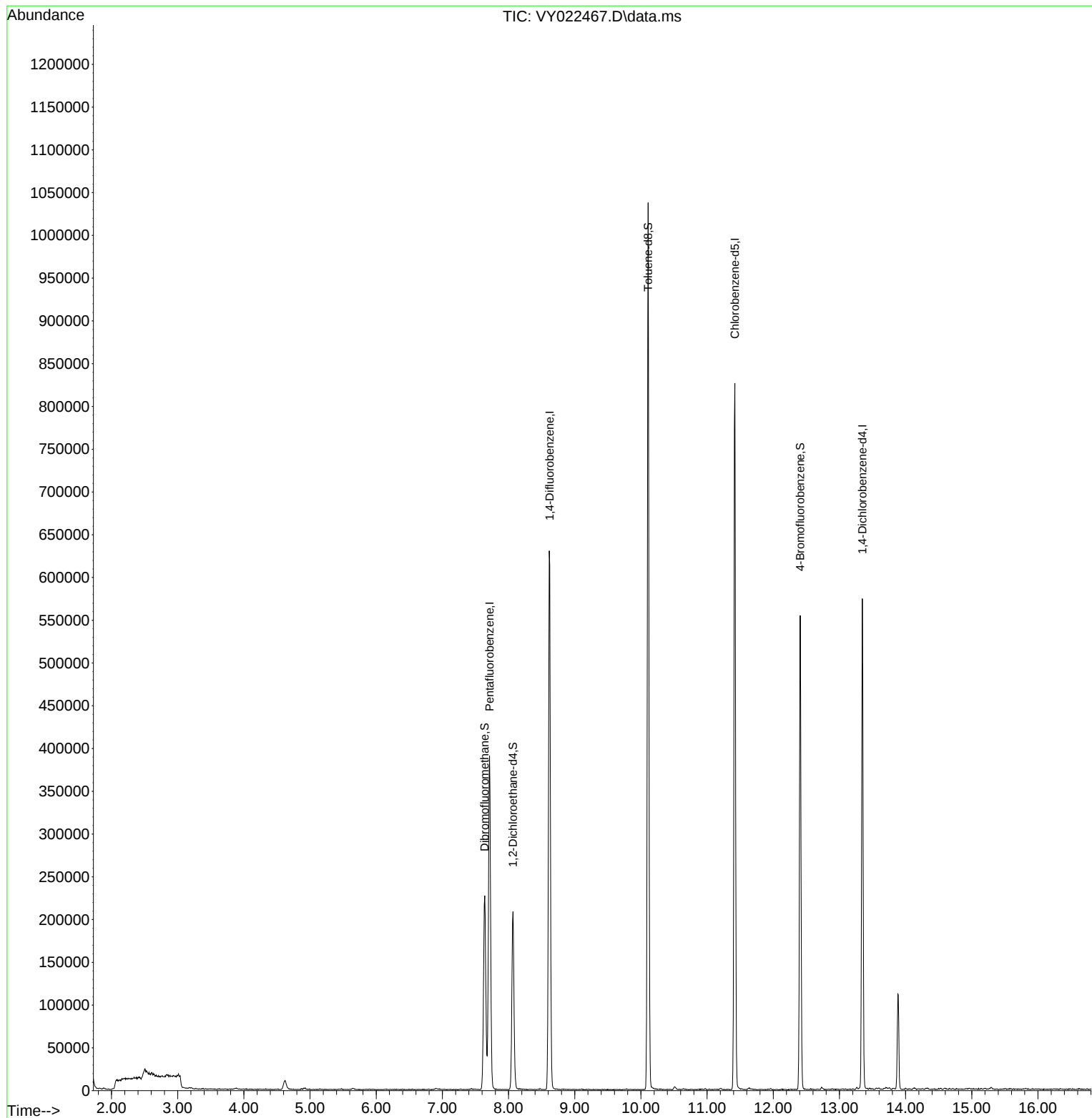
Target Compounds	Qvalue

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

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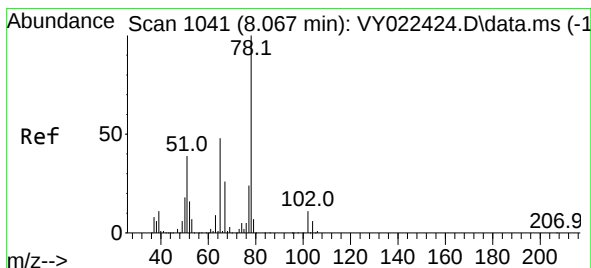
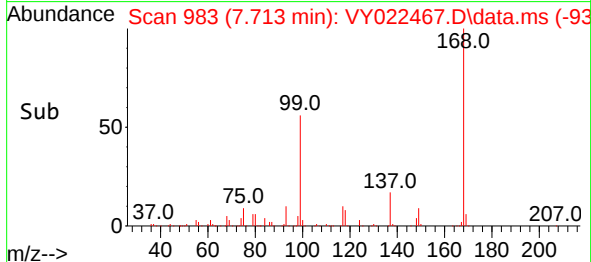
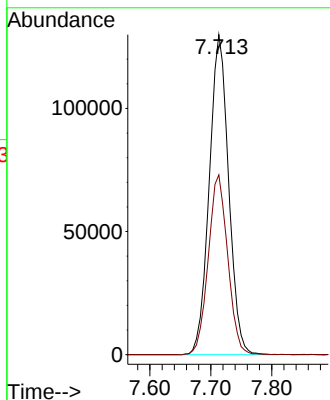
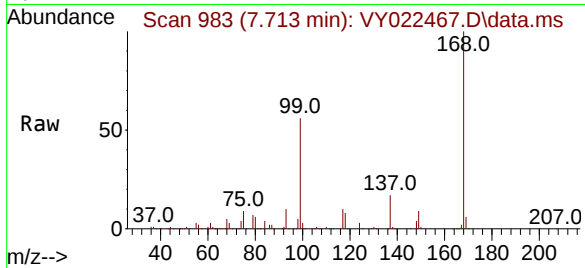




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

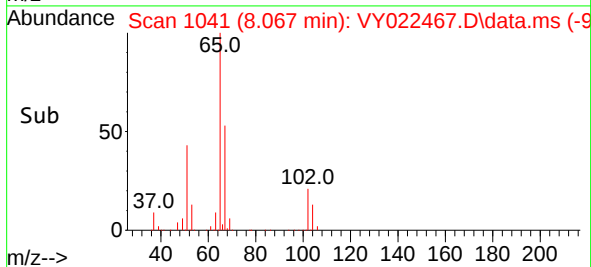
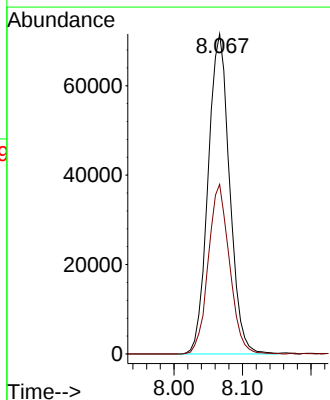
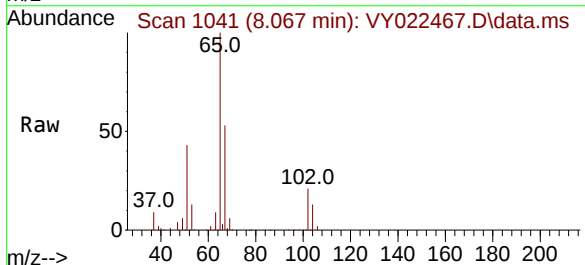
Instrument :
MSVOA_Y
ClientSampleId :
TP-52

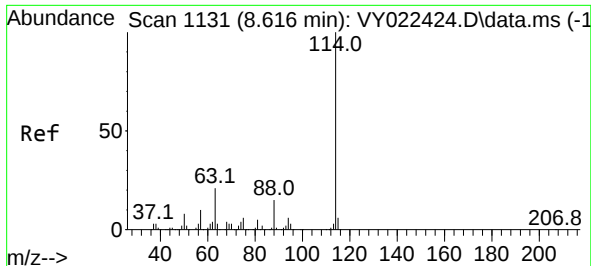
Tgt Ion:168 Resp: 286667
Ion Ratio Lower Upper
168 100
99 56.2 44.7 67.1



#33
1,2-Dichloroethane-d4
Concen: 51.734 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Tgt Ion: 65 Resp: 156210
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022467.D

Acq: 29 May 2025 15:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-52

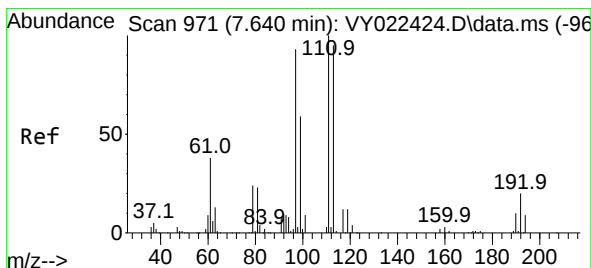
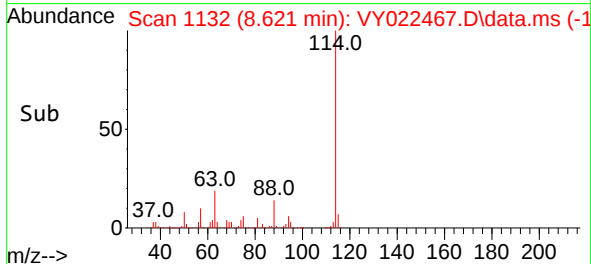
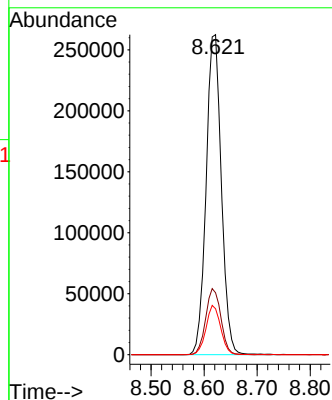
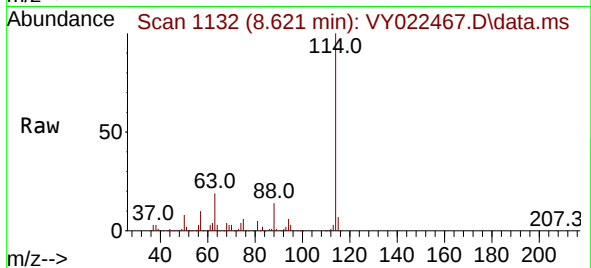
Tgt Ion:114 Resp: 522350

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.6

88 14.3 0.0 29.4



#35

Dibromofluoromethane

Concen: 51.291 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY022467.D

Acq: 29 May 2025 15:09

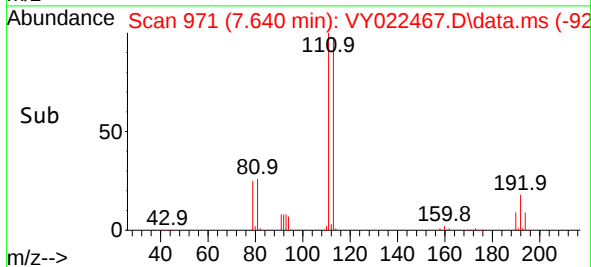
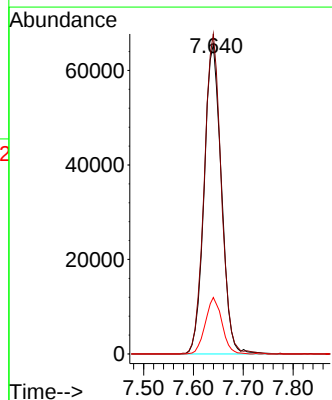
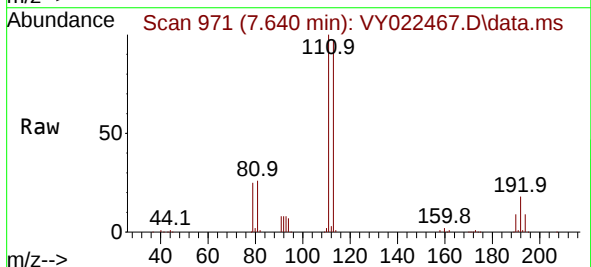
Tgt Ion:113 Resp: 156902

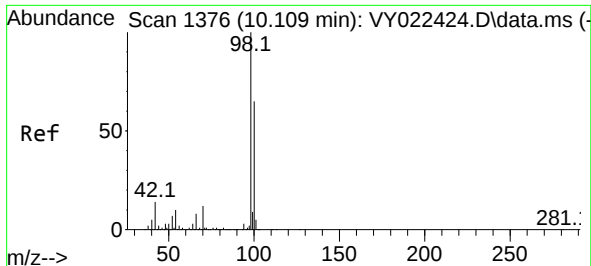
Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

192 17.6 15.2 22.8

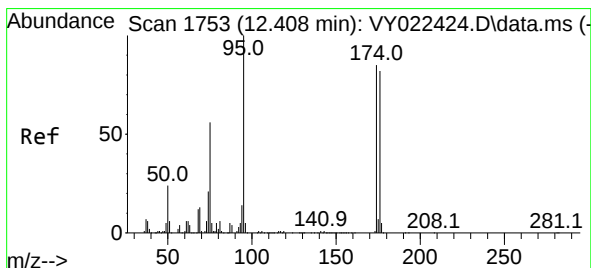
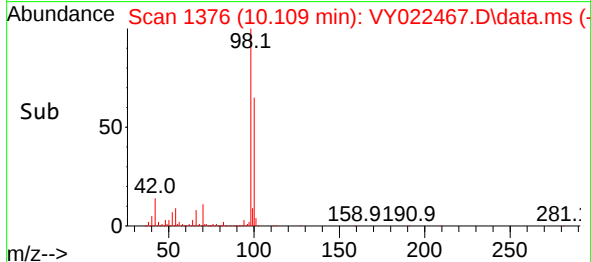
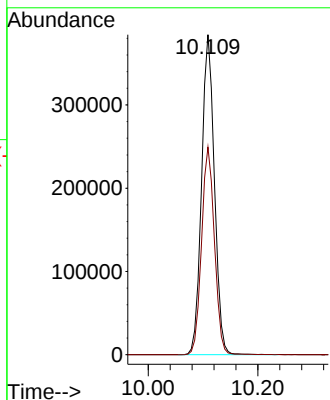
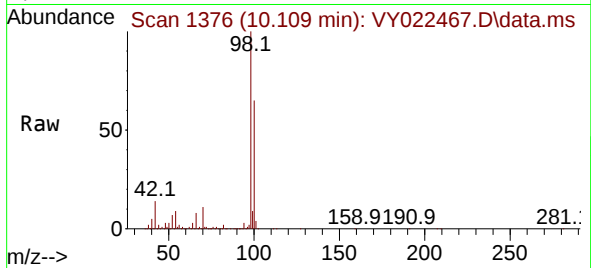




#50
Toluene-d8
Concen: 49.968 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

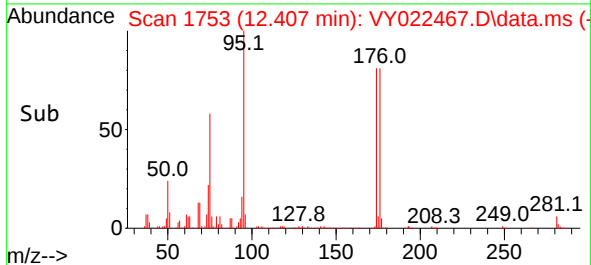
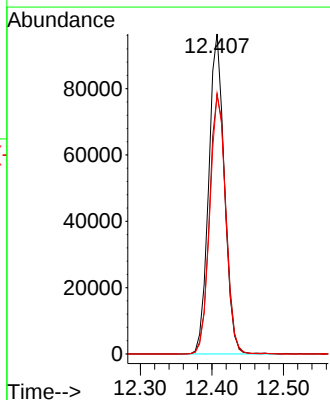
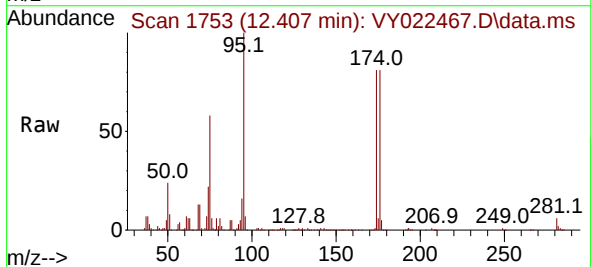
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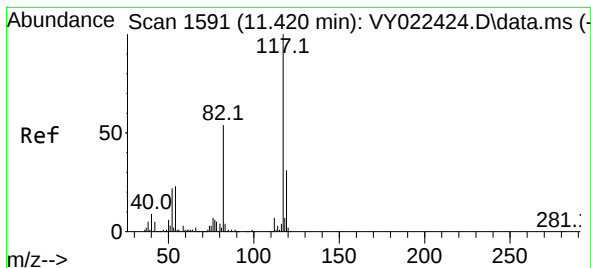
Tgt Ion: 98 Resp: 623120
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 38.844 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Tgt Ion: 95 Resp: 146524
Ion Ratio Lower Upper
95 100
174 84.7 0.0 171.6
176 82.3 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022467.D

Acq: 29 May 2025 15:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-52

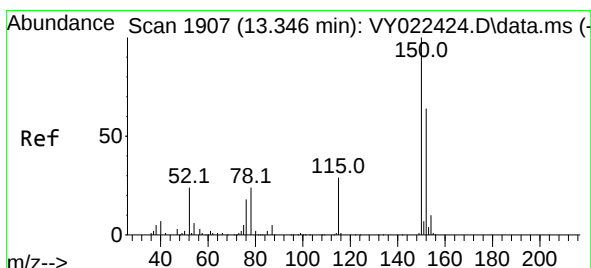
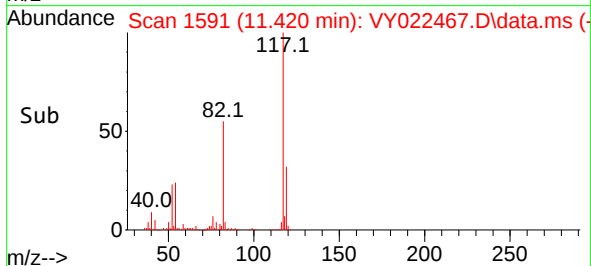
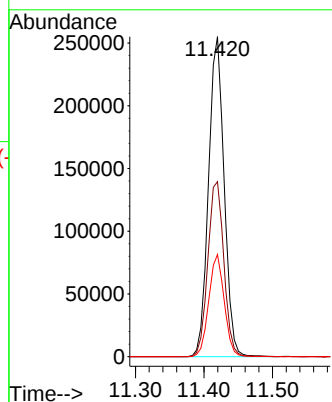
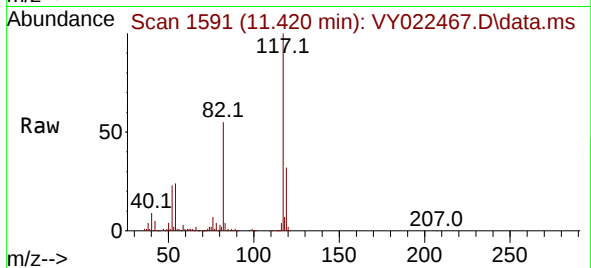
Tgt Ion:117 Resp: 404746

Ion Ratio Lower Upper

117 100

82 54.7 43.3 64.9

119 32.0 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022467.D

Acq: 29 May 2025 15:09

Tgt Ion:152 Resp: 132959

Ion Ratio Lower Upper

152 100

115 57.0 28.4 85.3

150 155.0 0.0 345.8

