

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022454.D
 Acq On : 29 May 2025 08:56
 Operator : SY/MD
 Sample : VY0529SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0529SBL01

Quant Time: May 30 05:29:08 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	7.719	168	320837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	584950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	455837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	159461	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	180255	53.339	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.680%
35) Dibromofluoromethane	7.646	113	173894	50.762	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.520%
50) Toluene-d8	10.115	98	699660	50.101	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.200%
62) 4-Bromofluorobenzene	12.413	95	172737	40.893	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.780%

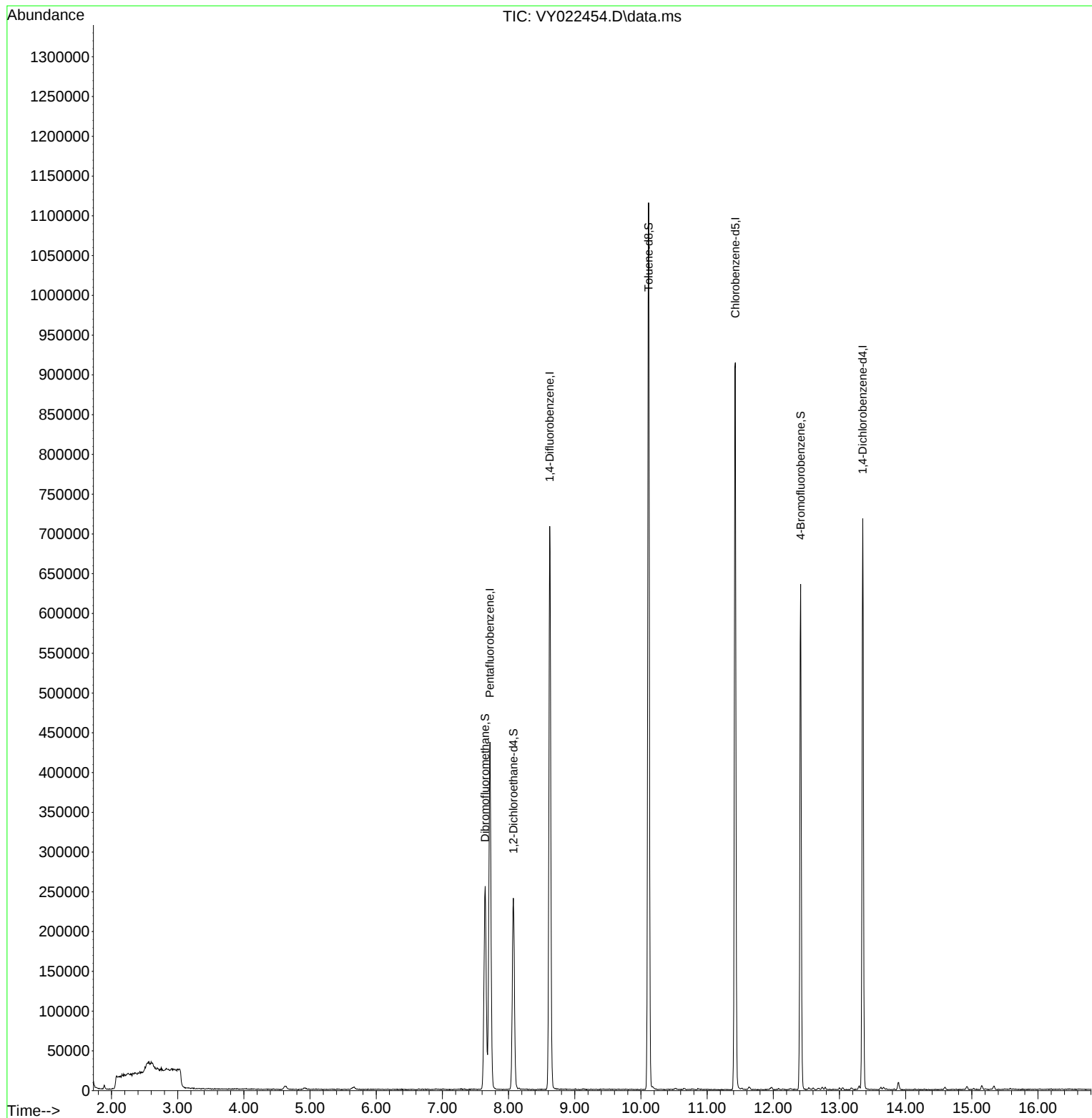
Target Compounds	Qvalue

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

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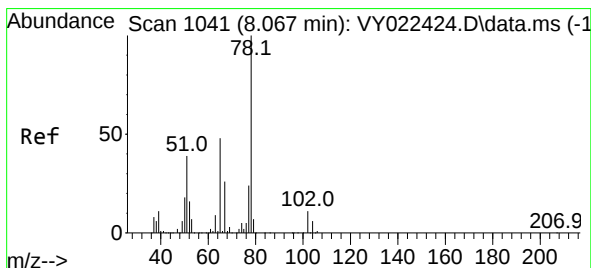
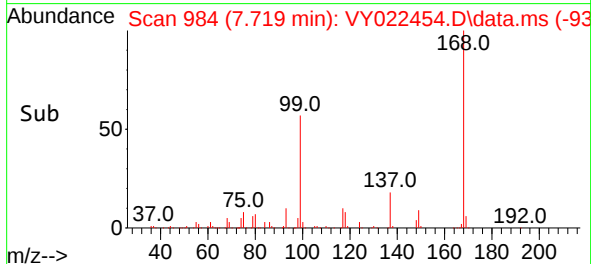
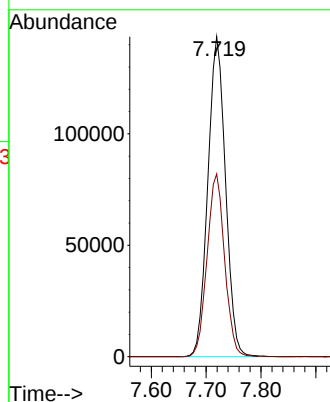
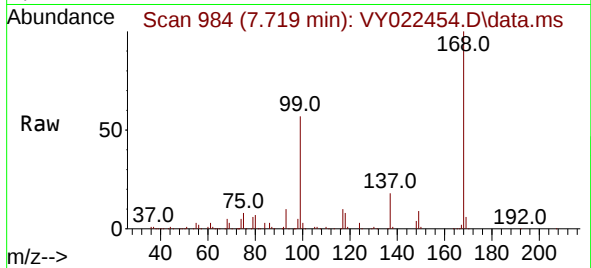




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

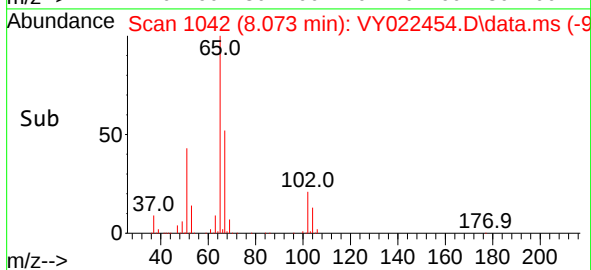
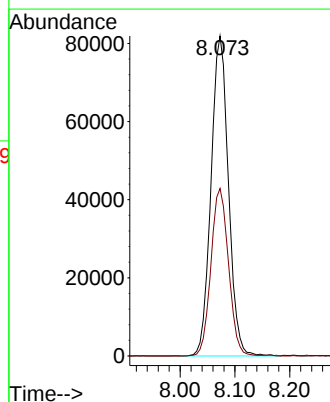
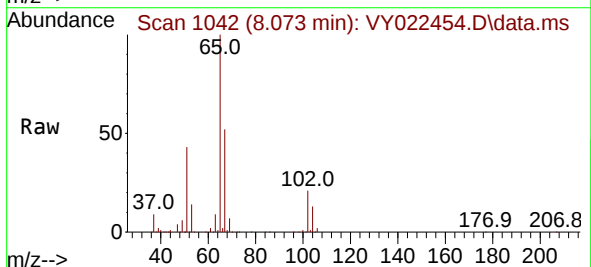
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

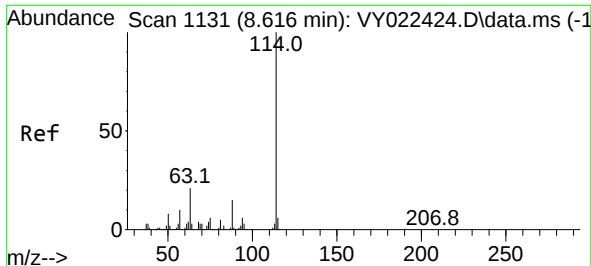
Tgt Ion:168 Resp: 320837
Ion Ratio Lower Upper
168 100
99 57.1 44.7 67.1



#33
1,2-Dichloroethane-d4
Concen: 53.339 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Tgt Ion: 65 Resp: 180255
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022454.D

Acq: 29 May 2025 08:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBL01

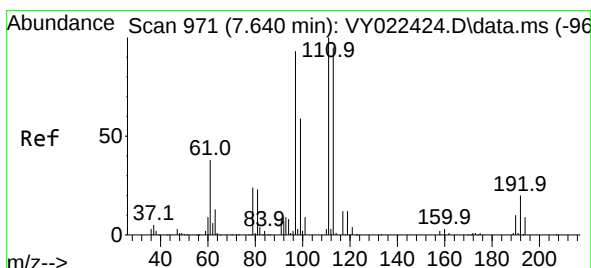
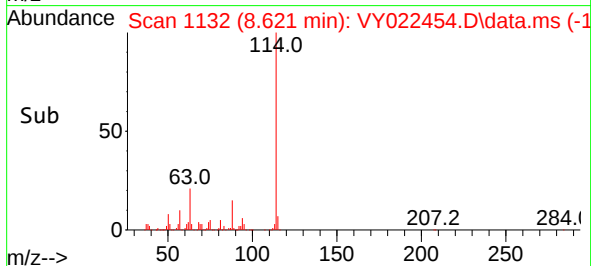
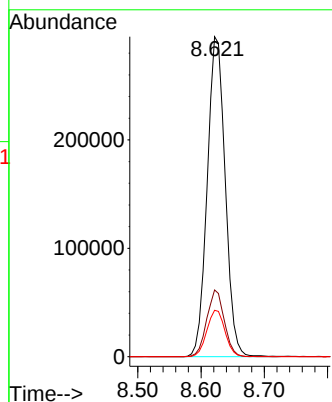
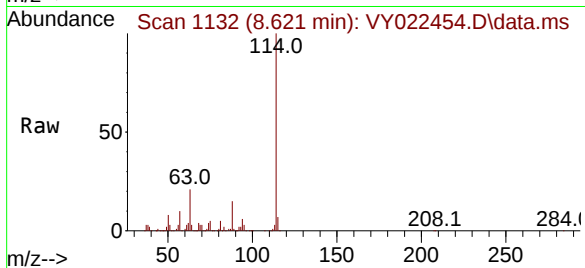
Tgt Ion:114 Resp: 584950

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 14.5 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.762 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY022454.D

Acq: 29 May 2025 08:56

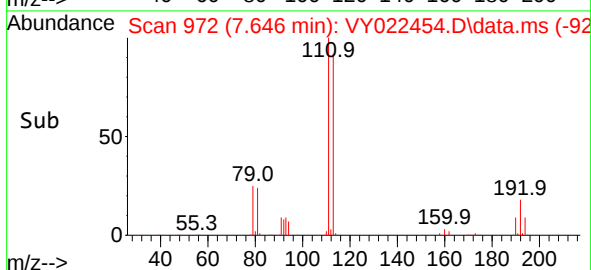
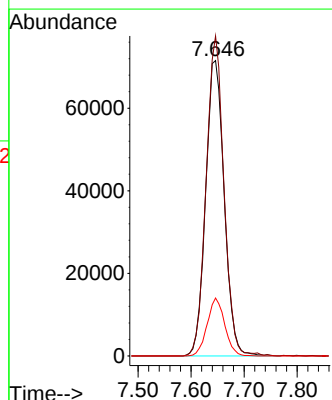
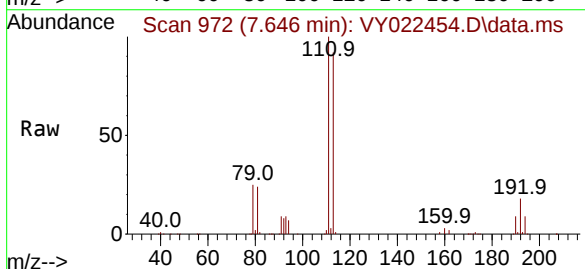
Tgt Ion:113 Resp: 173894

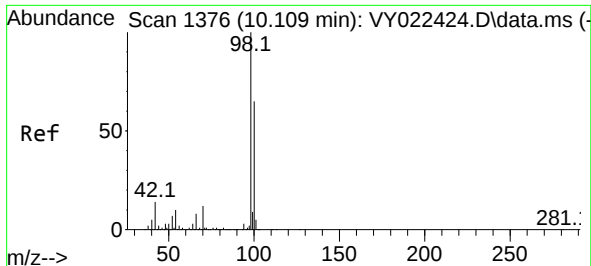
Ion Ratio Lower Upper

113 100

111 103.8 82.4 123.6

192 18.6 15.2 22.8

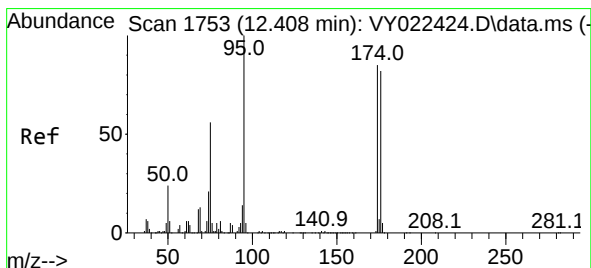
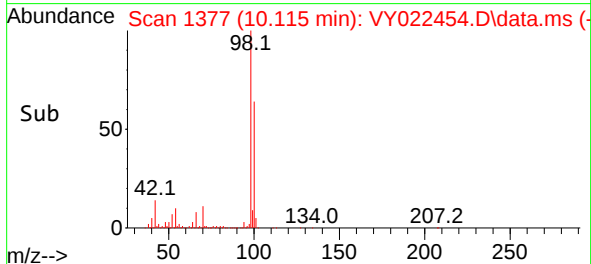
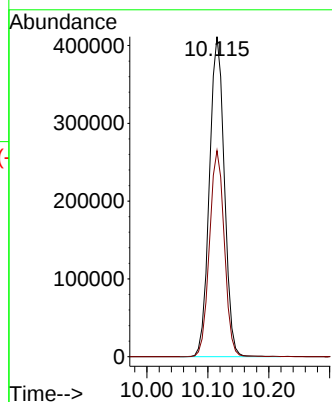
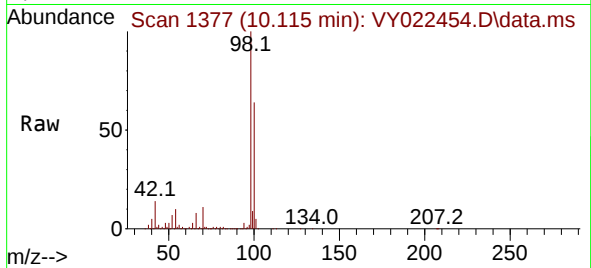




#50
Toluene-d8
Concen: 50.101 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

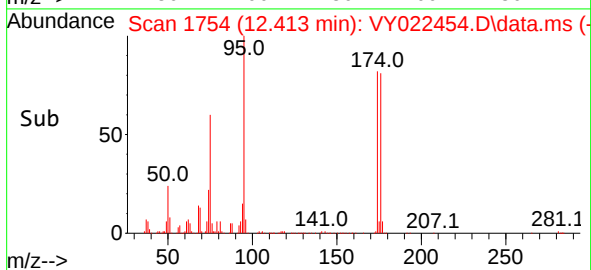
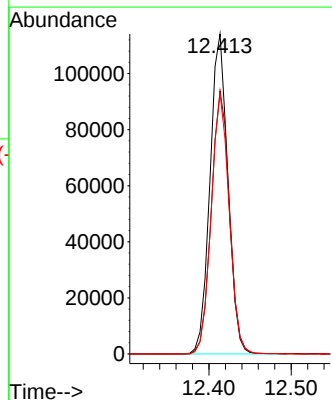
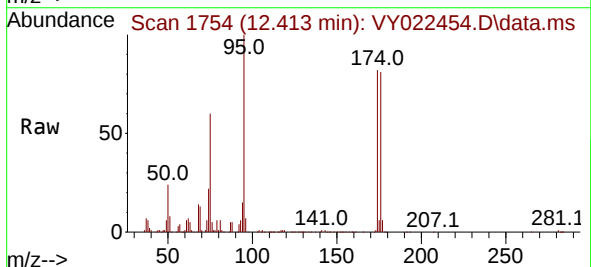
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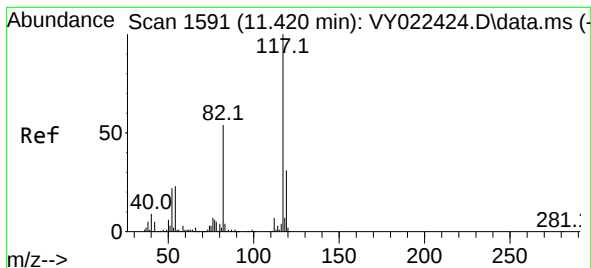
Tgt Ion: 98 Resp: 699660
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 40.893 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Tgt Ion: 95 Resp: 172737
Ion Ratio Lower Upper
95 100
174 83.6 0.0 171.6
176 81.5 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022454.D

Acq: 29 May 2025 08:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBL01

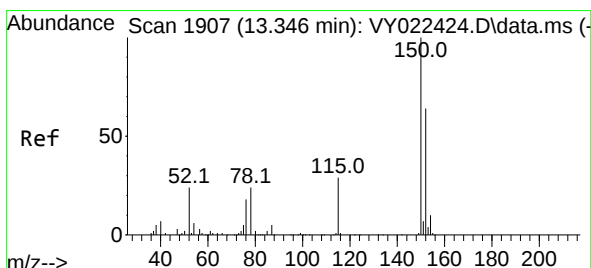
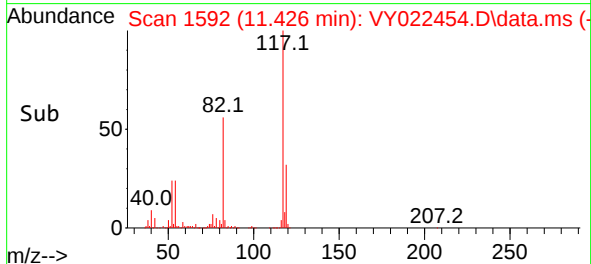
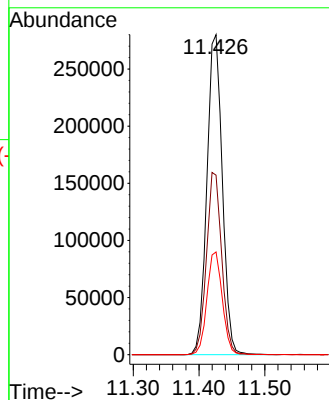
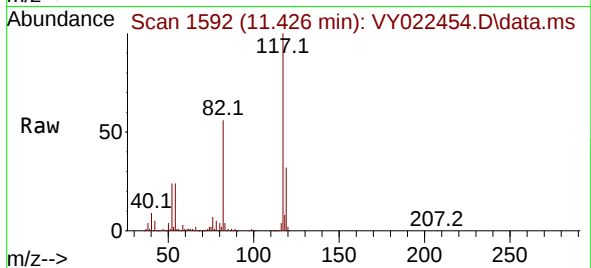
Tgt Ion:117 Resp: 455837

Ion Ratio Lower Upper

117 100

82 56.1 43.3 64.9

119 32.1 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022454.D

Acq: 29 May 2025 08:56

Tgt Ion:152 Resp: 159461

Ion Ratio Lower Upper

152 100

115 57.7 28.4 85.3

150 157.8 0.0 345.8

