

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022308.D
 Acq On : 19 May 2025 11:04
 Operator : SY/MD
 Sample : Q2052-03
 Misc : 6.38g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-B-VOC

Quant Time: May 20 01:11:04 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	7.707	168	301749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	529204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	415581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	149542	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151331	45.888	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.780%
35) Dibromofluoromethane	7.634	113	155126	49.112	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.220%
50) Toluene-d8	10.103	98	630070	48.706	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.420%
62) 4-Bromofluorobenzene	12.408	95	159331	38.858	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.720%

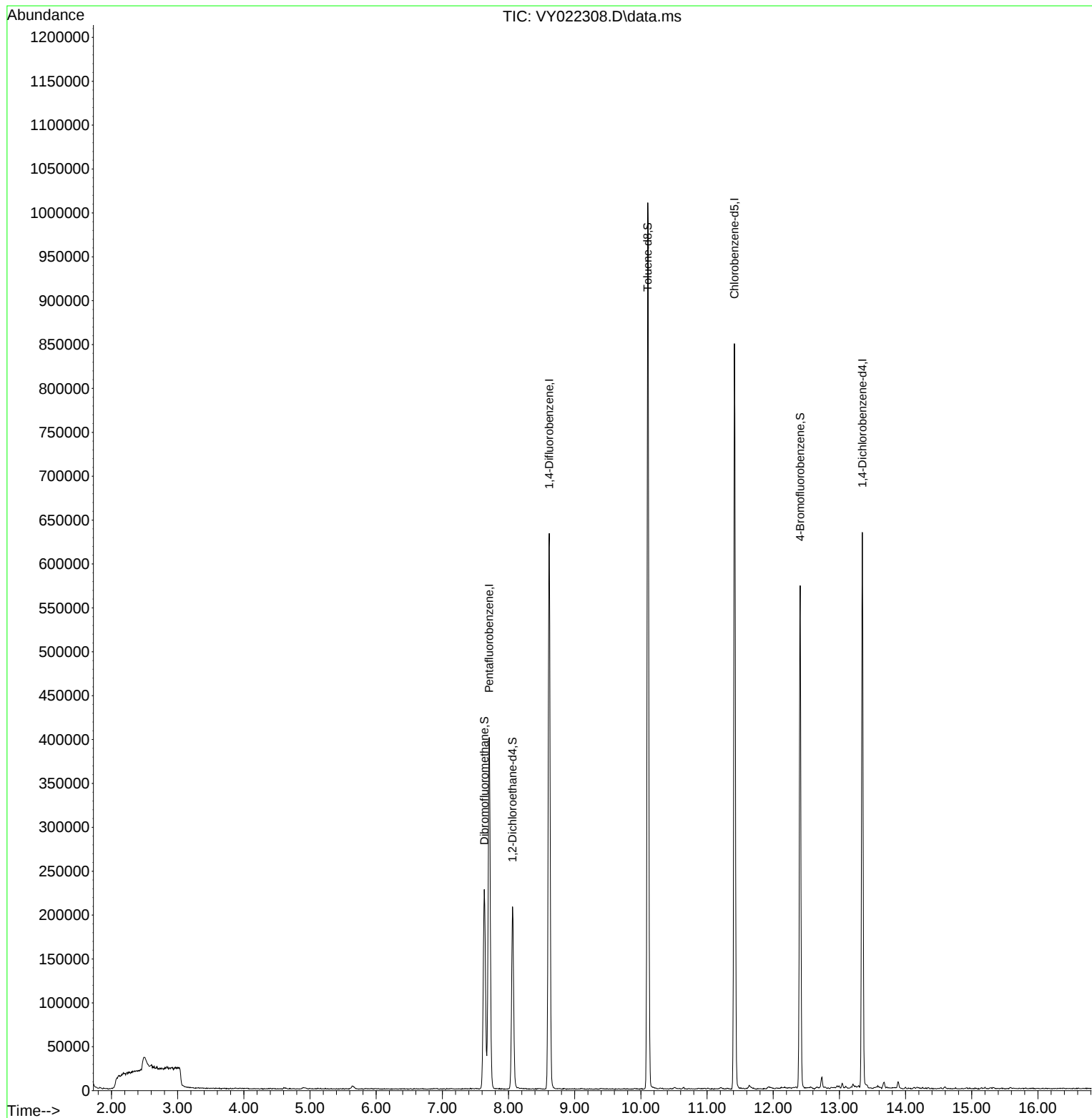
Target Compounds	Qvalue

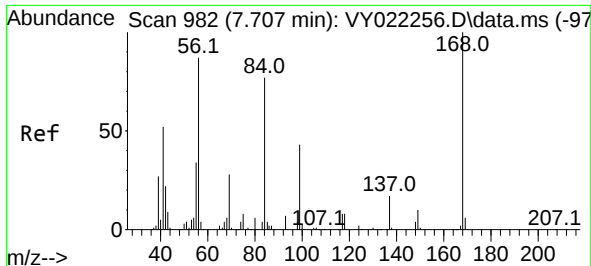
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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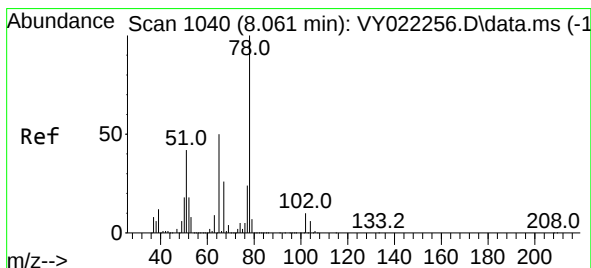
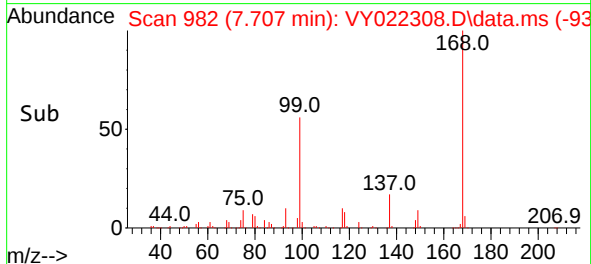
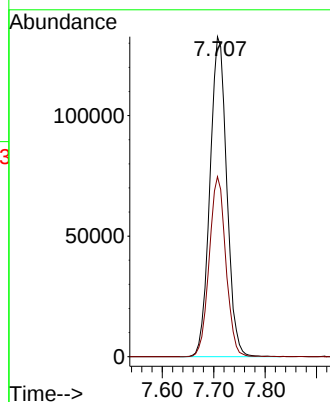
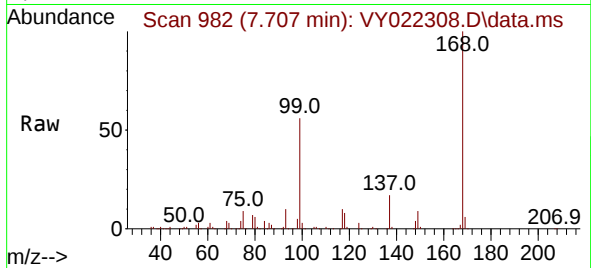




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022308.D
Acq: 19 May 2025 11:04

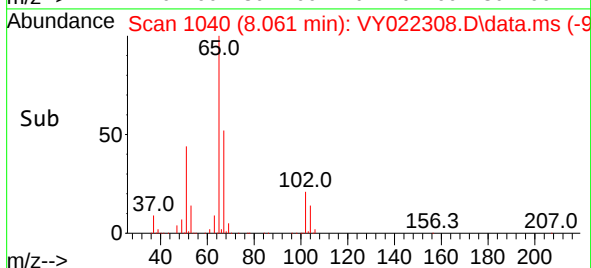
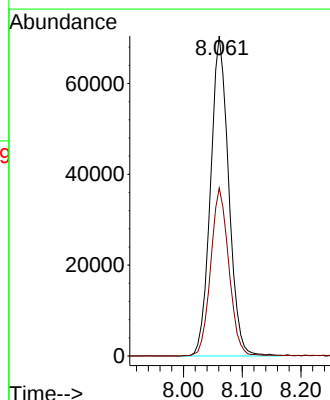
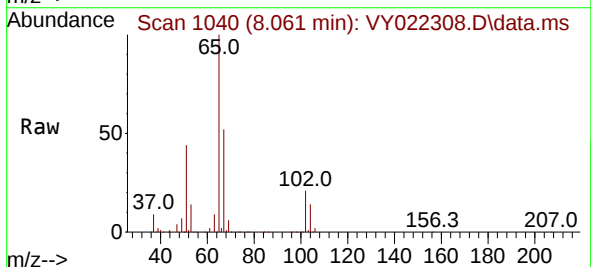
Instrument :
MSVOA_Y
ClientSampleId :
TP-B-VOC

Tgt Ion:168 Resp: 301749
Ion Ratio Lower Upper
168 100
99 56.3 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 45.888 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022308.D
Acq: 19 May 2025 11:04

Tgt Ion: 65 Resp: 151331
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.6

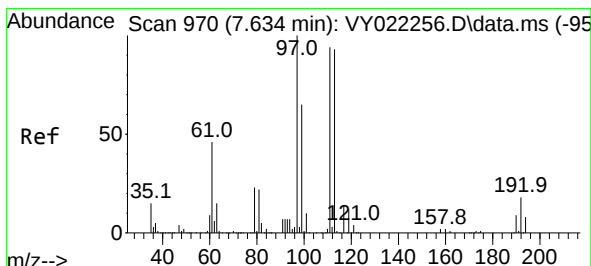
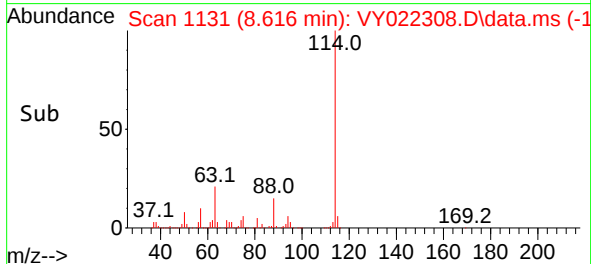
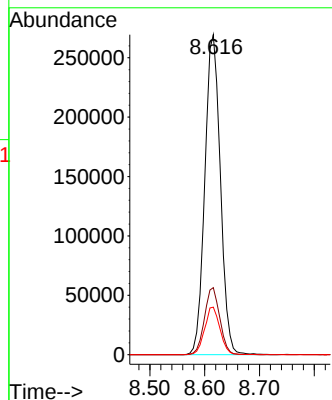
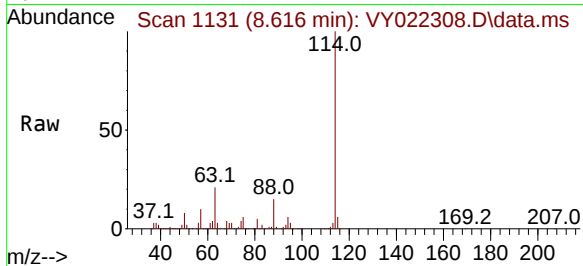




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY022308.D
 Acq: 19 May 2025 11:04

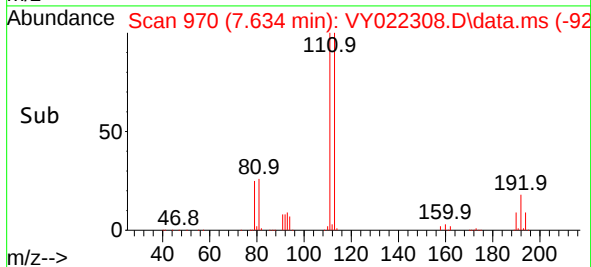
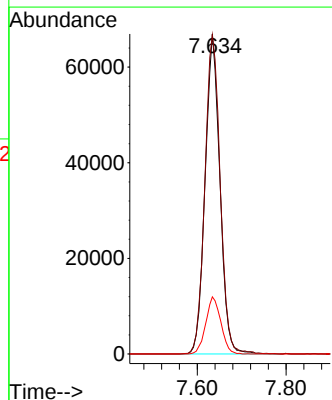
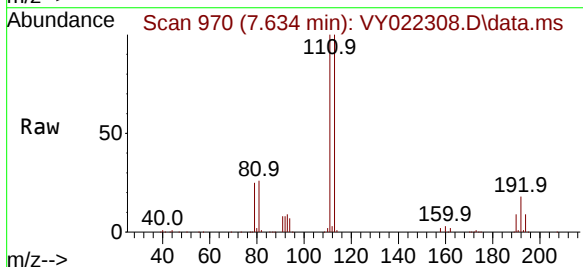
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-B-VOC

Tgt Ion:114 Resp: 529204
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.0
 88 14.9 0.0 29.4



#35
 Dibromofluoromethane
 Concen: 49.112 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VY022308.D
 Acq: 19 May 2025 11:04

Tgt Ion:113 Resp: 155126
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.6 123.8
 192 18.2 15.2 22.8

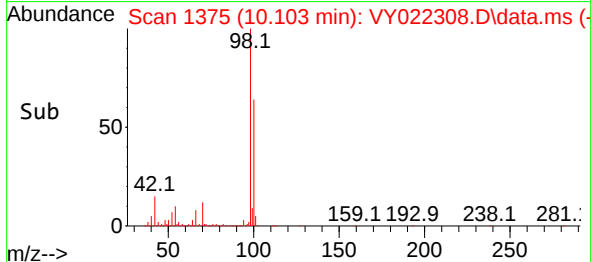
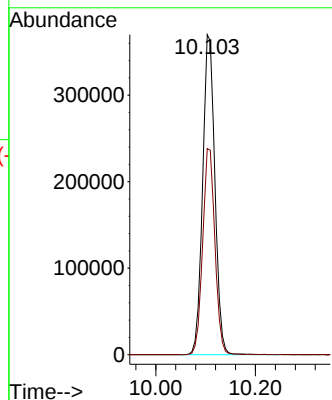
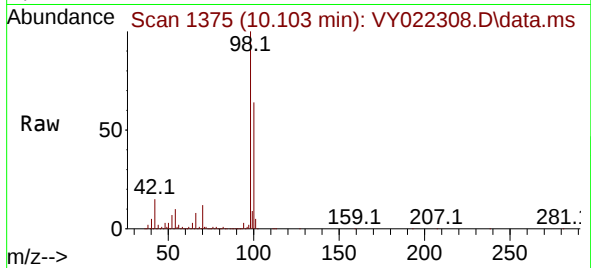




#50
Toluene-d8
Concen: 48.706 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022308.D
Acq: 19 May 2025 11:04

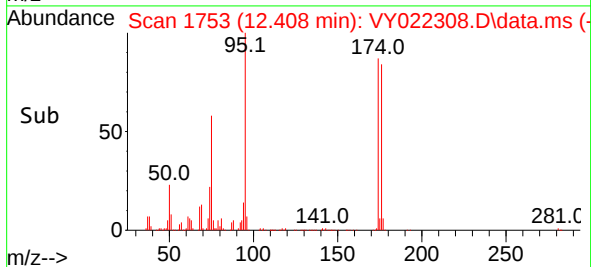
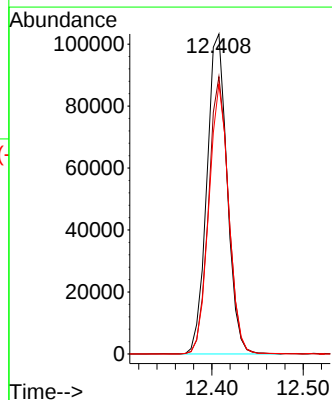
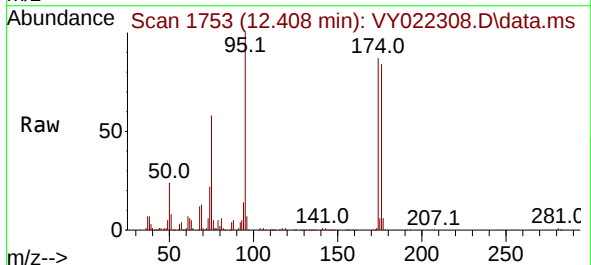
Instrument :
MSVOA_Y
ClientSampleId :
TP-B-VOC

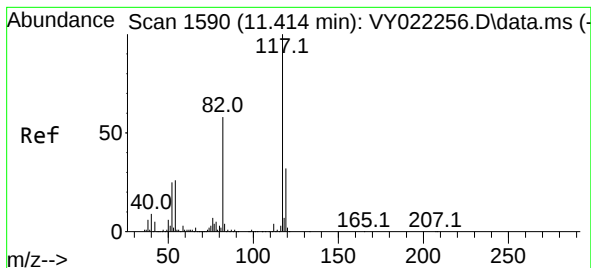
Tgt Ion: 98 Resp: 630070
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 38.858 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022308.D
Acq: 19 May 2025 11:04

Tgt Ion: 95 Resp: 159331
Ion Ratio Lower Upper
95 100
174 85.3 0.0 166.8
176 82.8 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022308.D

Acq: 19 May 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

TP-B-VOC

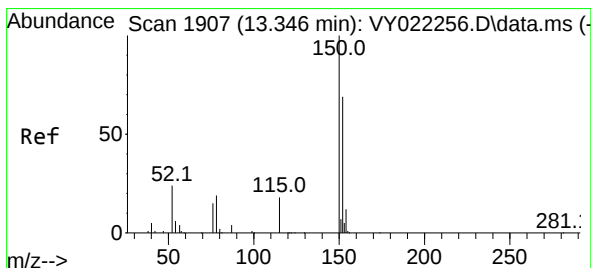
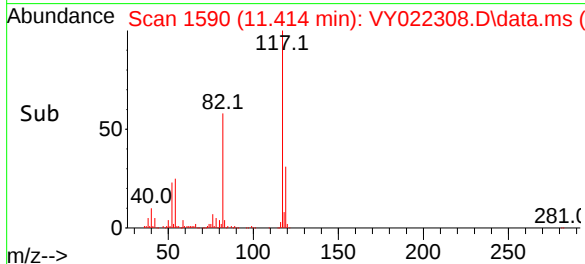
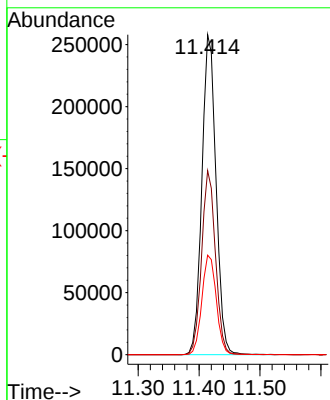
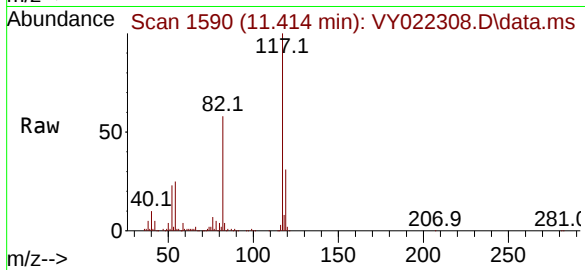
Tgt Ion:117 Resp: 415581

Ion Ratio Lower Upper

117 100

82 57.5 46.6 70.0

119 31.1 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022308.D

Acq: 19 May 2025 11:04

Tgt Ion:152 Resp: 149542

Ion Ratio Lower Upper

152 100

115 58.2 29.4 88.2

150 157.1 0.0 353.8

