

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051325\
 Data File : VY022245.D
 Acq On : 13 May 2025 15:57
 Operator : SY/MD
 Sample : Q2007-02
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-10

Quant Time: May 14 04:35:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	201082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	359829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	314822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	129549	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104567	56.299	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.600%
35) Dibromofluoromethane	7.634	113	119416	50.233	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.460%
50) Toluene-d8	10.103	98	419378	46.795	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.580%
62) 4-Bromofluorobenzene	12.402	95	113056	37.473	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.940%

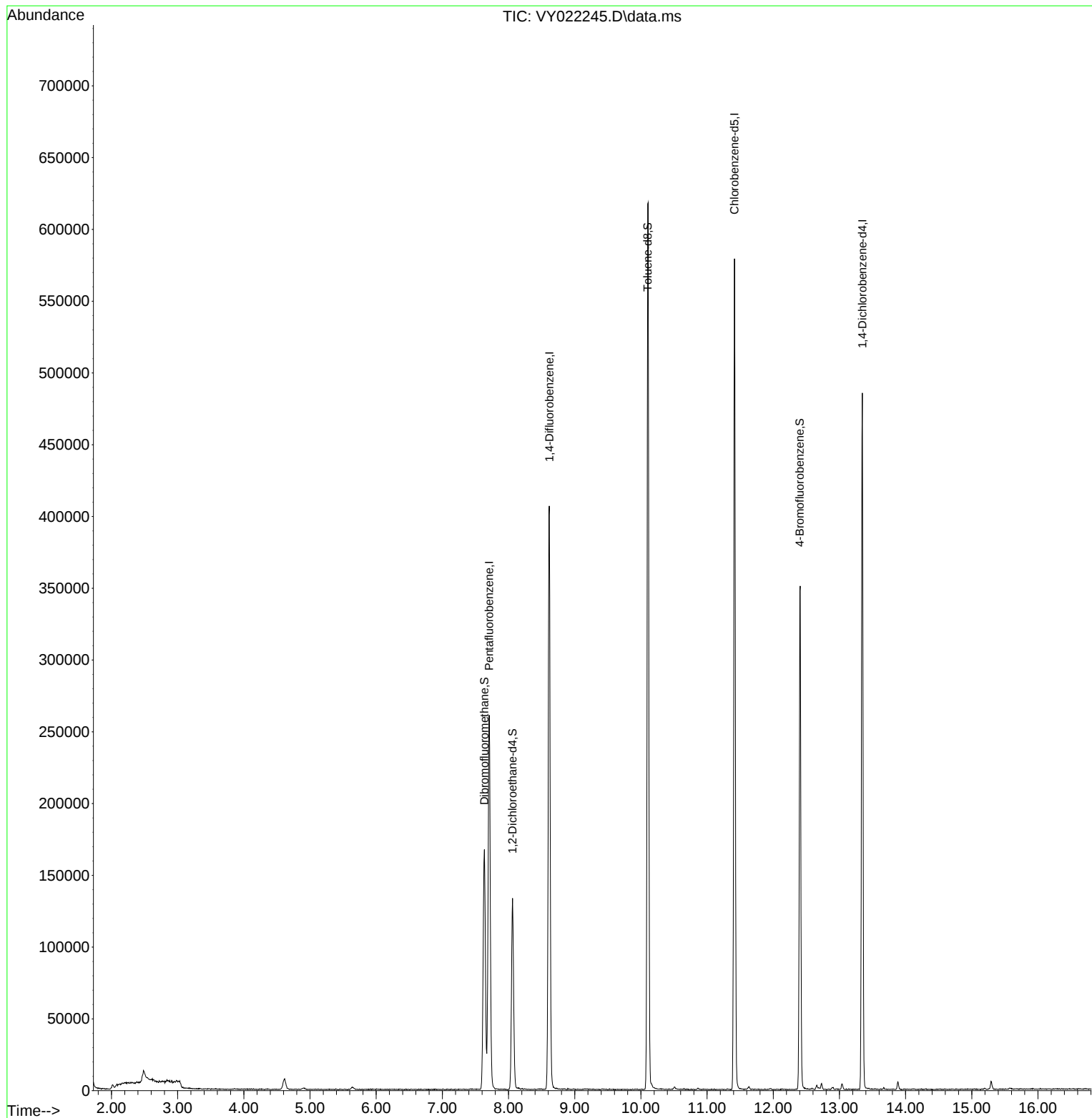
Target Compounds	Qvalue

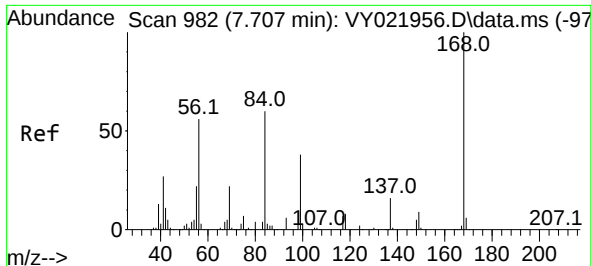
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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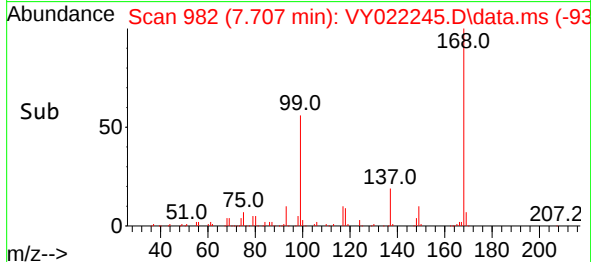
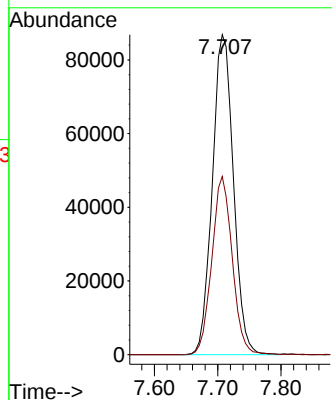
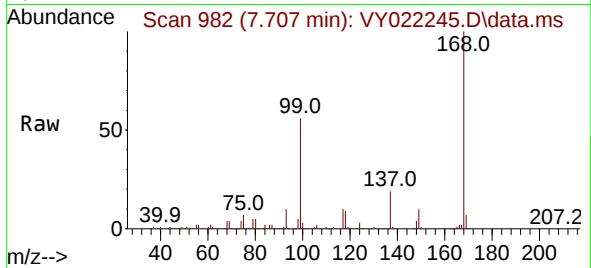




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

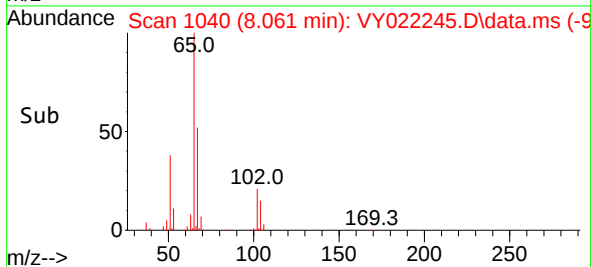
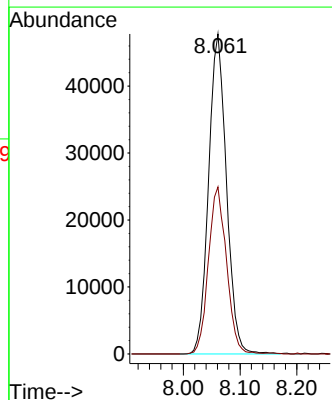
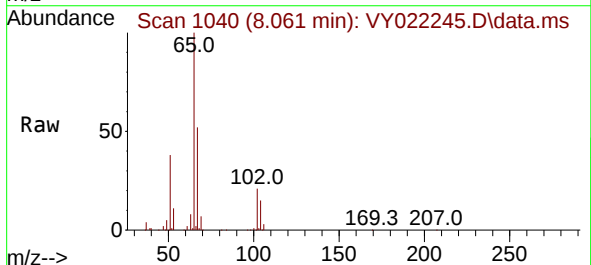
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-10

Tgt Ion:168 Resp: 201082
Ion Ratio Lower Upper
168 100
99 55.7 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 56.299 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

Tgt Ion: 65 Resp: 104567
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022245.D

Acq: 13 May 2025 15:57

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-10

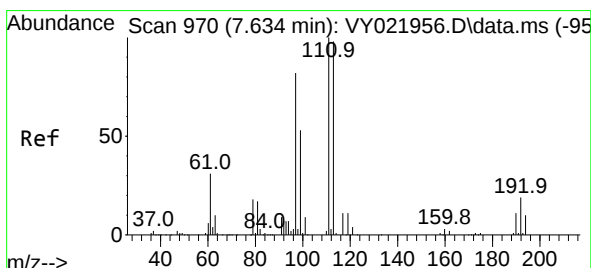
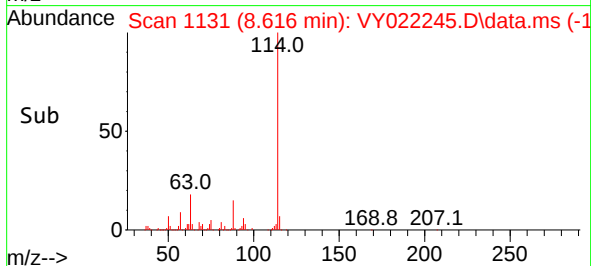
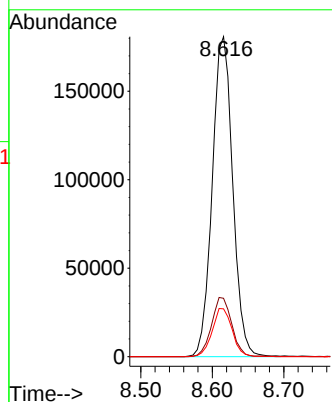
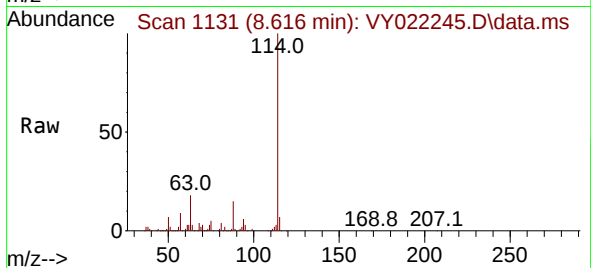
Tgt Ion:114 Resp: 359829

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.4

88 15.0 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.233 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022245.D

Acq: 13 May 2025 15:57

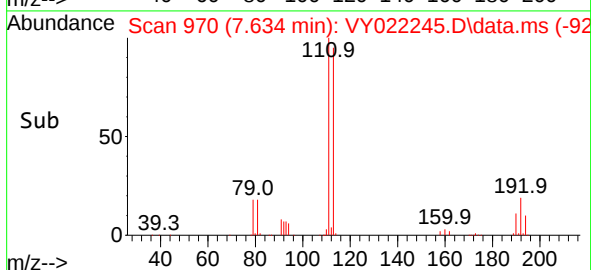
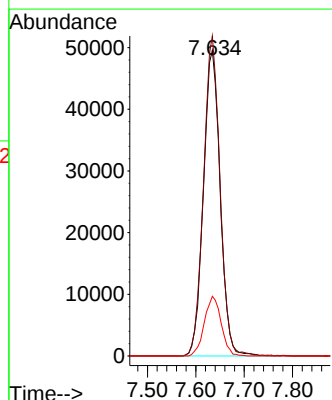
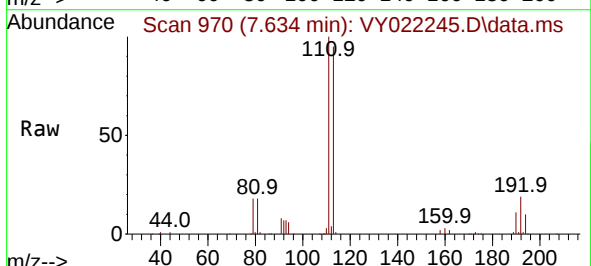
Tgt Ion:113 Resp: 119416

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

192 19.6 15.6 23.4

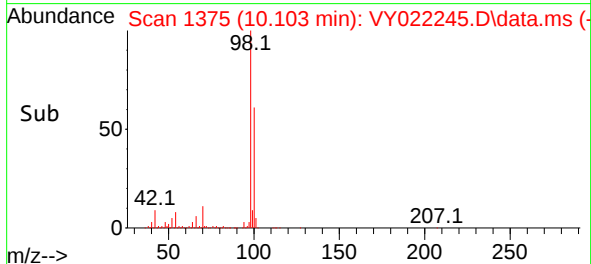
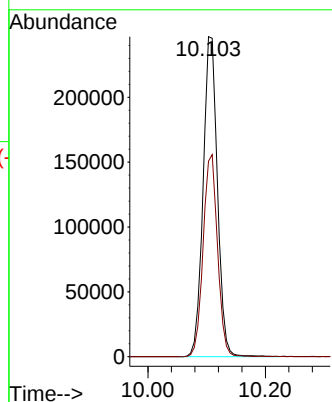
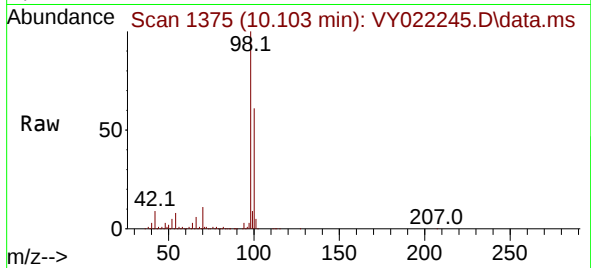




#50
Toluene-d8
Concen: 46.795 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

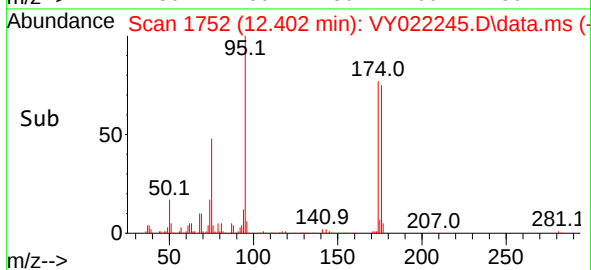
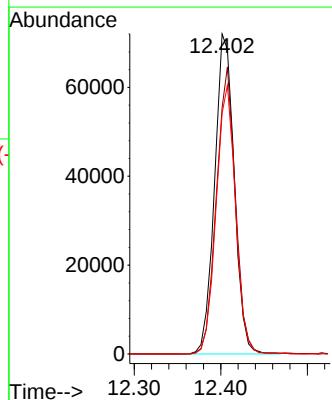
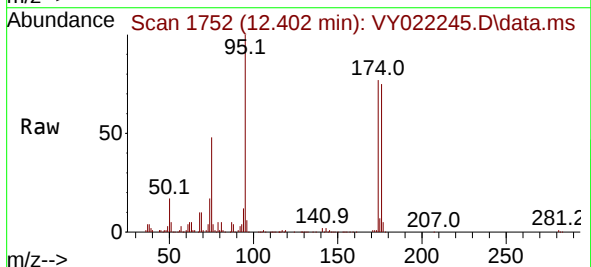
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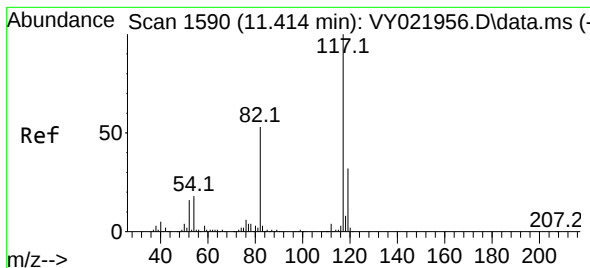
Tgt Ion: 98 Resp: 419378
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 37.473 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

Tgt Ion: 95 Resp: 113056
Ion Ratio Lower Upper
95 100
174 87.5 0.0 179.0
176 83.0 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022245.D

Acq: 13 May 2025 15:57

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-10

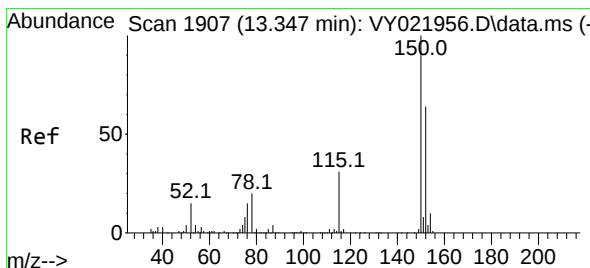
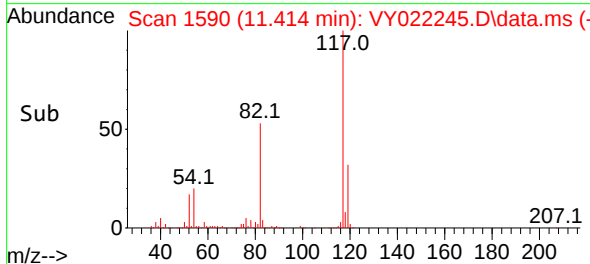
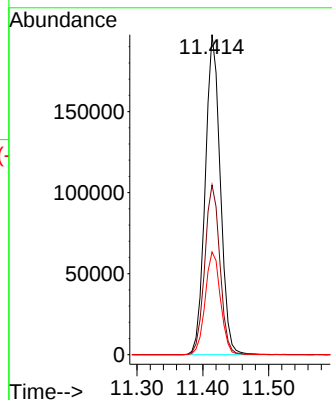
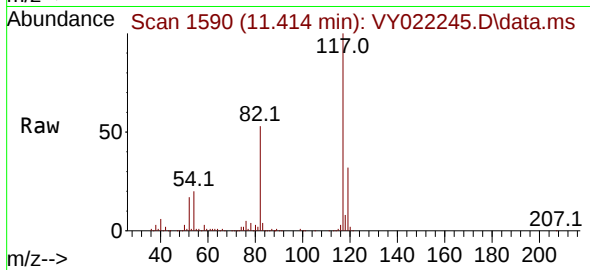
Tgt Ion:117 Resp: 314822

Ion Ratio Lower Upper

117 100

82 53.1 42.1 63.1

119 32.1 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022245.D

Acq: 13 May 2025 15:57

Tgt Ion:152 Resp: 129549

Ion Ratio Lower Upper

152 100

115 56.9 28.0 84.0

150 156.9 0.0 345.6

