

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022214.D
 Acq On : 12 May 2025 11:16
 Operator : SY/MD
 Sample : Q1983-02
 Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-01

Quant Time: May 13 02:17:37 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	7.713	168	164313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	275903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	231379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	80075	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	86426	56.944	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.880%
35) Dibromofluoromethane	7.634	113	98554	54.068	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.140%
50) Toluene-d8	10.109	98	319579	46.506	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.020%
62) 4-Bromofluorobenzene	12.408	95	75065	32.449	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	64.900%

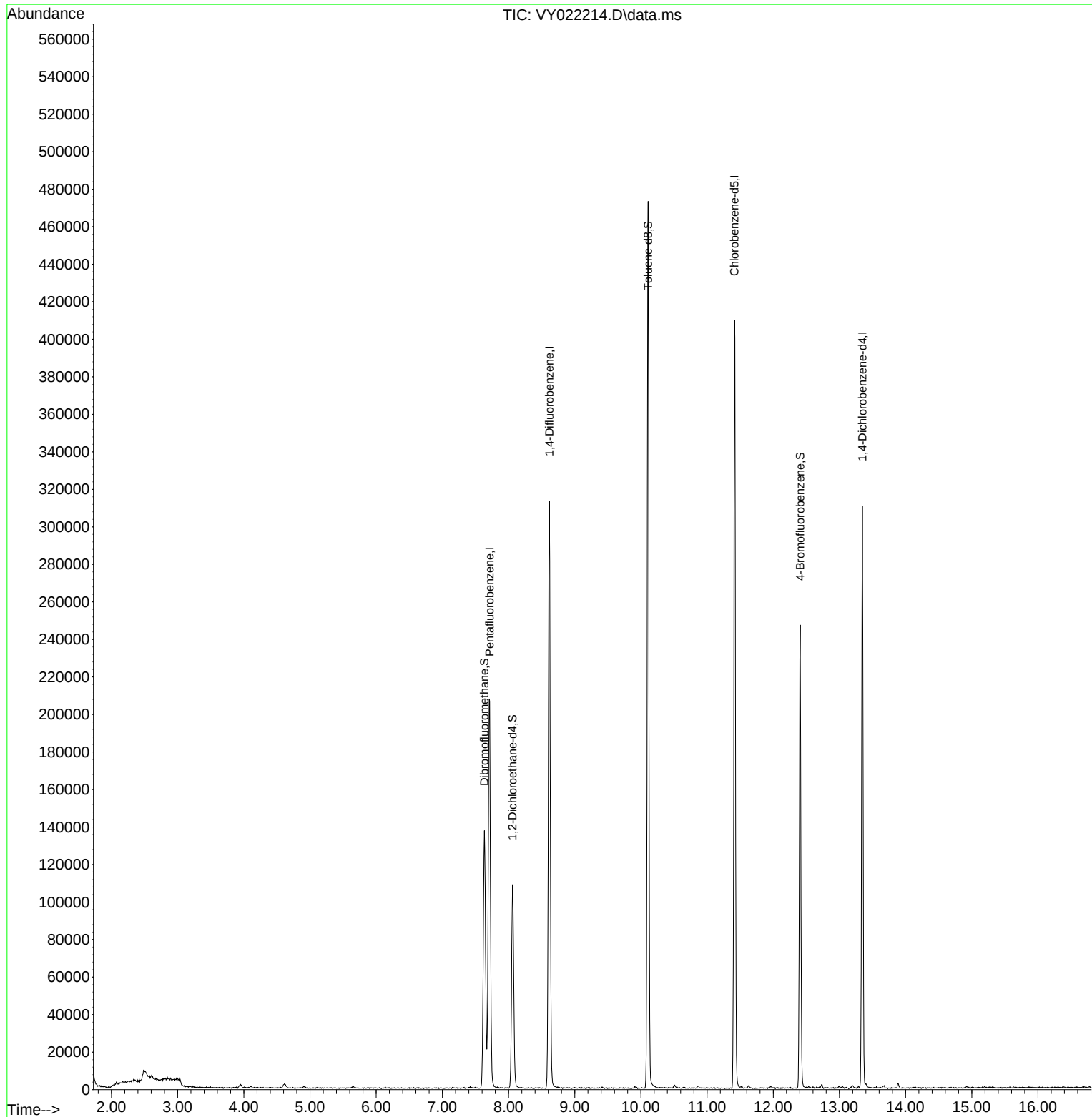
Target Compounds	Qvalue

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

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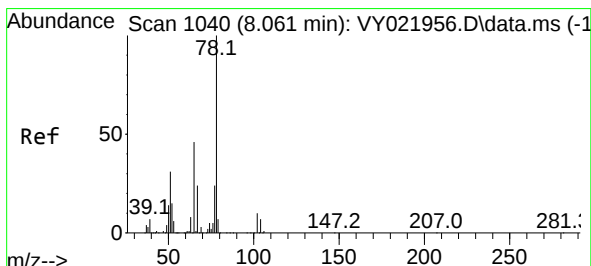
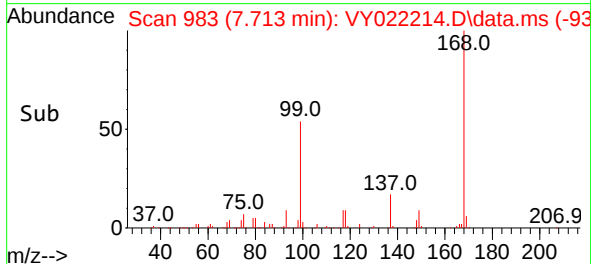
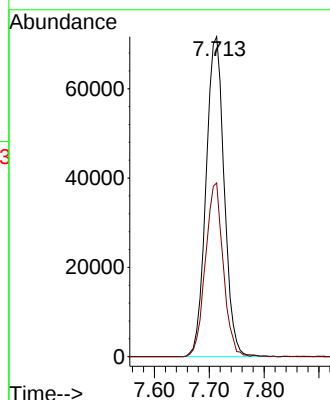
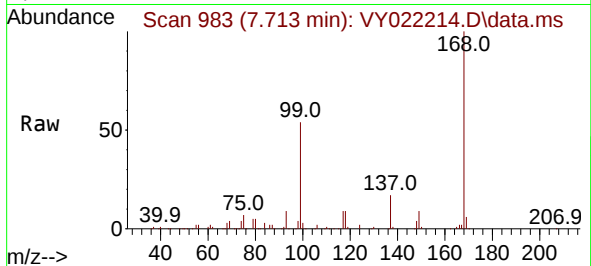




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022214.D
Acq: 12 May 2025 11:16

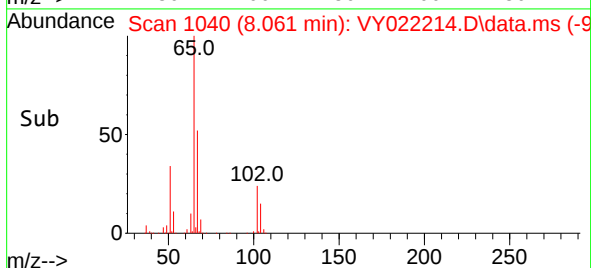
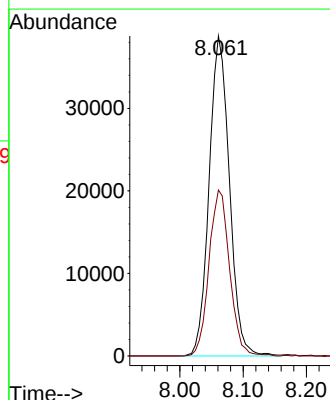
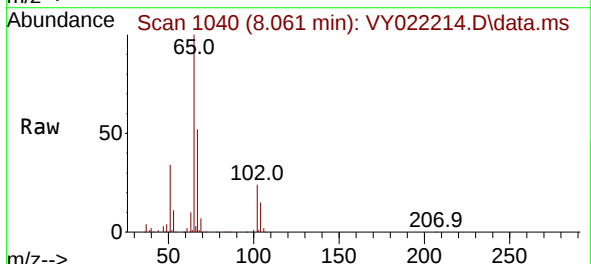
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-01

Tgt Ion:168 Resp: 164313
Ion Ratio Lower Upper
168 100
99 54.3 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 56.944 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022214.D
Acq: 12 May 2025 11:16

Tgt Ion: 65 Resp: 86426
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8

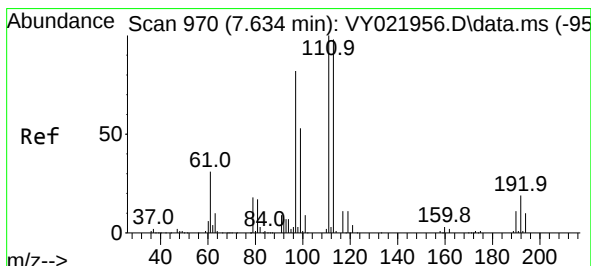
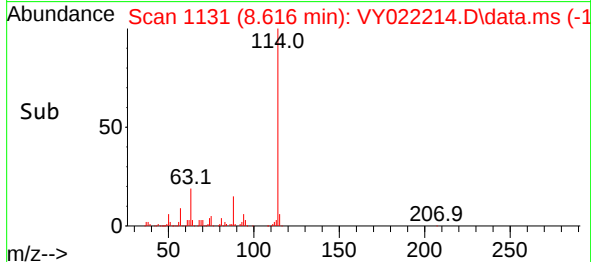
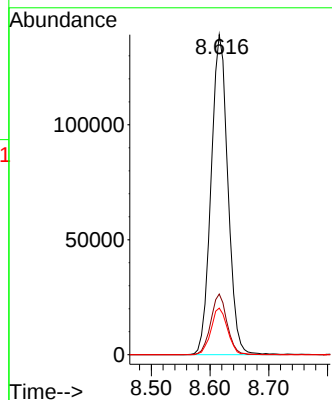
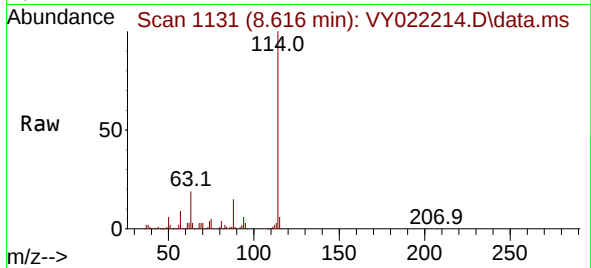




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022214.D
Acq: 12 May 2025 11:16

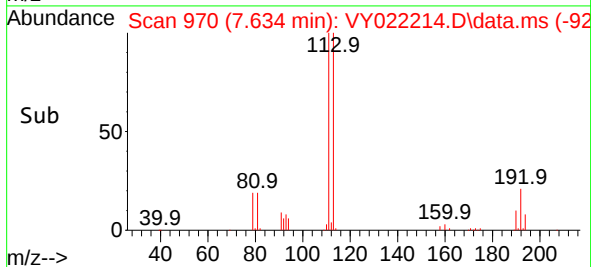
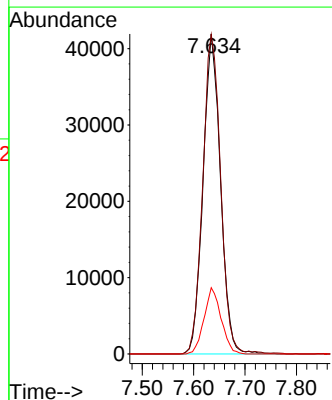
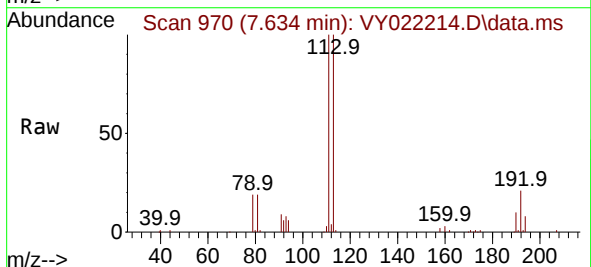
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-01

Tgt Ion:114 Resp: 275903
Ion Ratio Lower Upper
114 100
63 19.0 0.0 35.4
88 14.5 0.0 28.2



#35
Dibromofluoromethane
Concen: 54.068 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022214.D
Acq: 12 May 2025 11:16

Tgt Ion:113 Resp: 98554
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.8
192 20.3 15.6 23.4

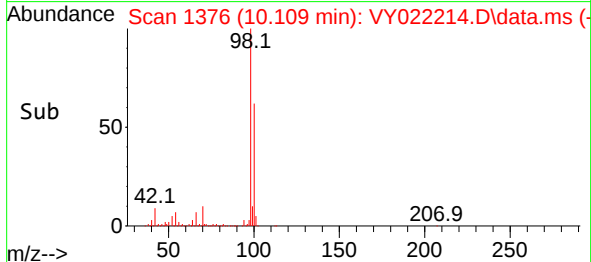
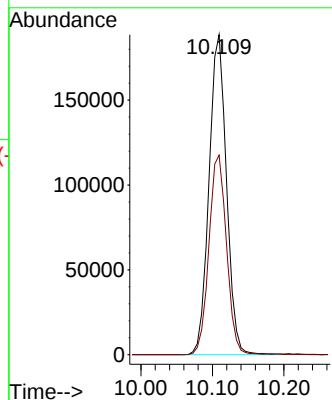
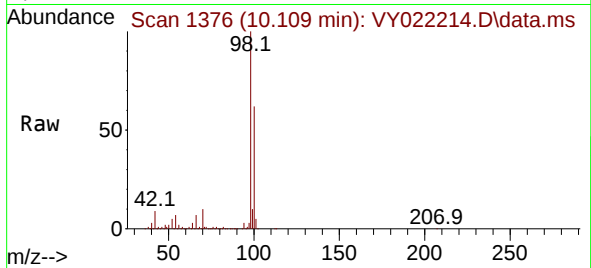




#50
Toluene-d8
Concen: 46.506 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022214.D
Acq: 12 May 2025 11:16

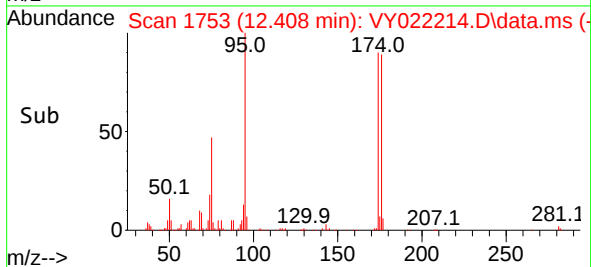
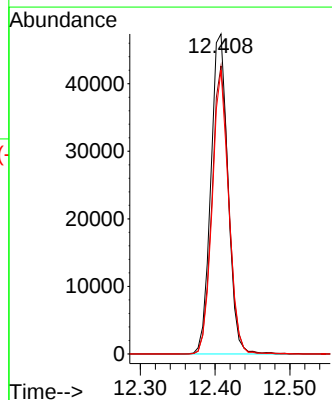
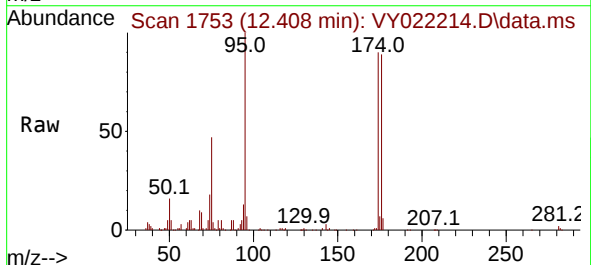
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-01

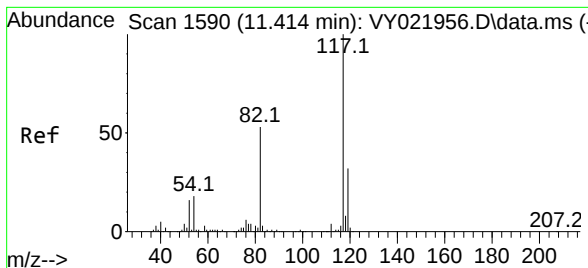
Tgt Ion: 98 Resp: 319579
Ion Ratio Lower Upper
98 100
100 62.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 32.449 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022214.D
Acq: 12 May 2025 11:16

Tgt Ion: 95 Resp: 75065
Ion Ratio Lower Upper
95 100
174 89.2 0.0 179.0
176 85.6 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: VY022214.D

Acq: 12 May 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-01

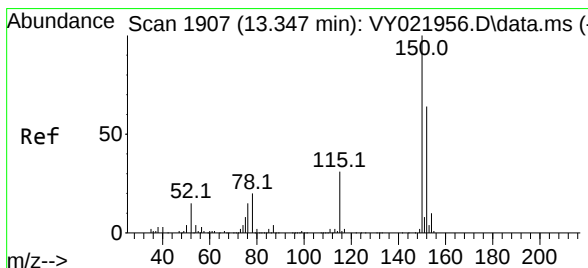
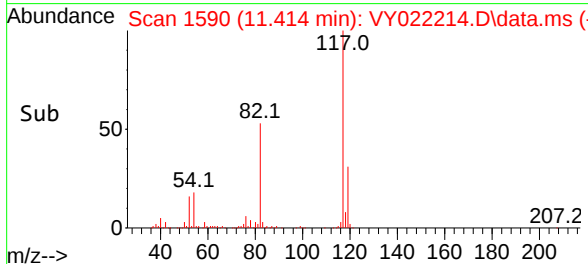
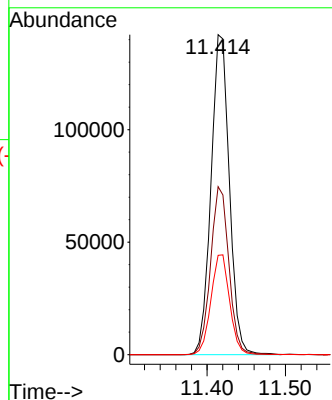
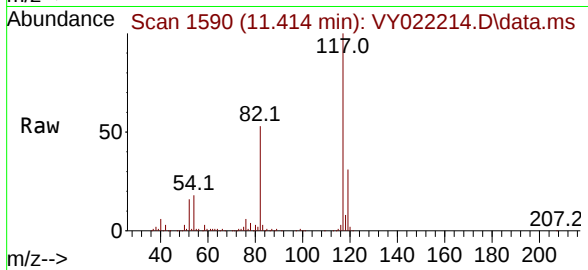
Tgt Ion:117 Resp: 231379

Ion Ratio Lower Upper

117 100

82 52.5 42.1 63.1

119 31.0 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: VY022214.D

Acq: 12 May 2025 11:16

Tgt Ion:152 Resp: 80075

Ion Ratio Lower Upper

152 100

115 55.0 28.0 84.0

150 156.6 0.0 345.6

