

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022531.D
 Acq On : 03 Jun 2025 18:32
 Operator : SY/MD
 Sample : Q2176-06
 Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-27

Quant Time: Jun 04 04:16:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	244909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	453751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	362219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131513	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137676	50.262	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.520%
35) Dibromofluoromethane	7.634	113	137051	50.603	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.200%
50) Toluene-d8	10.103	98	544497	49.755	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.520%
62) 4-Bromofluorobenzene	12.401	95	137400	42.140	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.280%

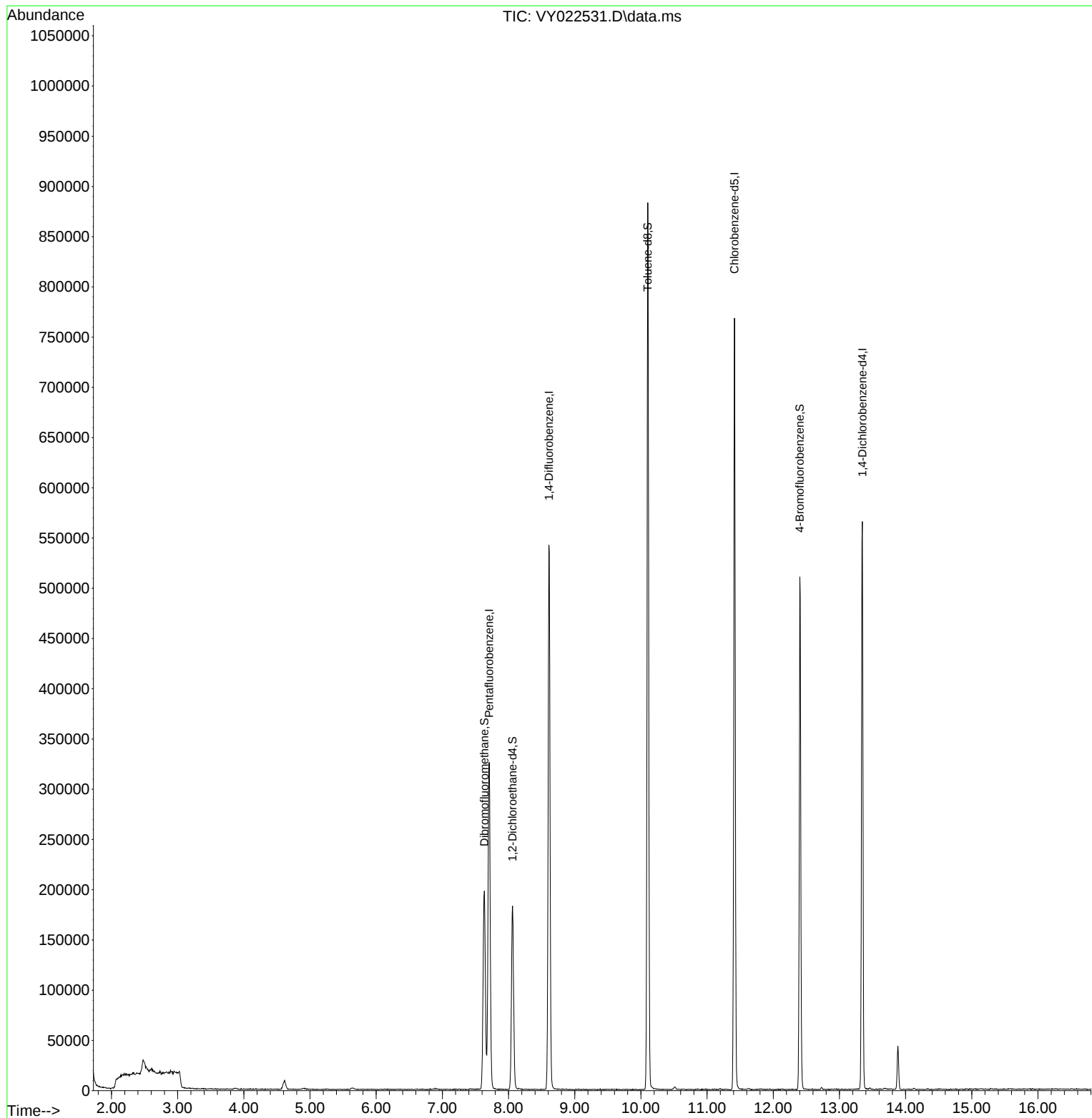
Target Compounds	Qvalue

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

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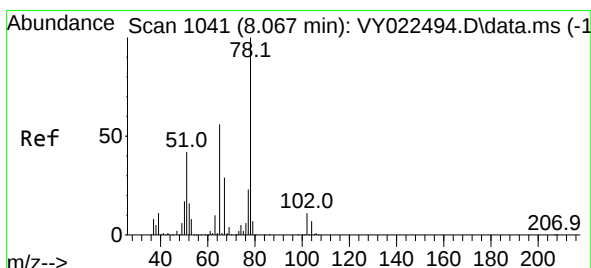
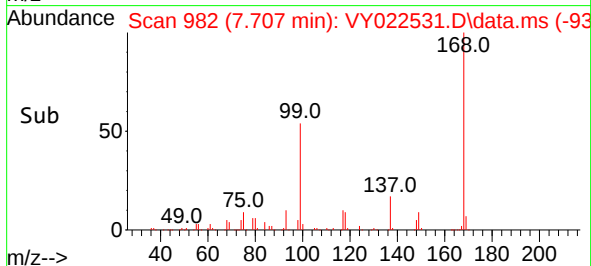
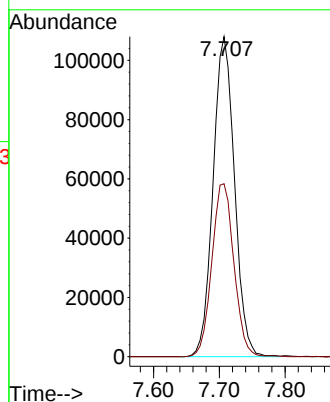
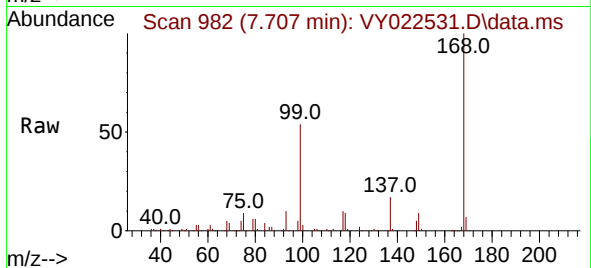




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

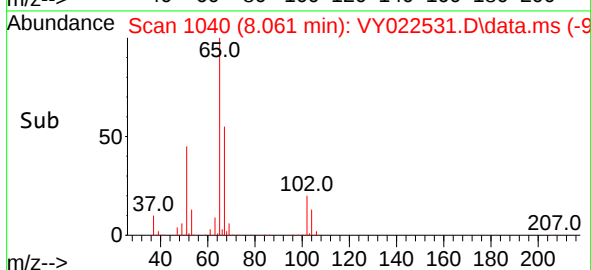
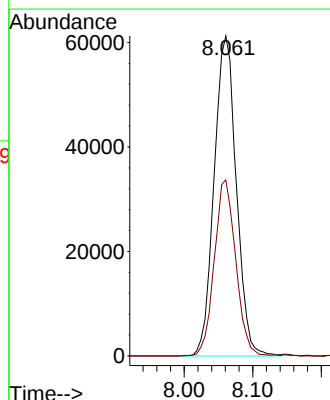
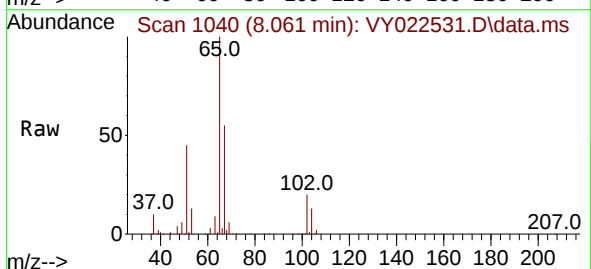
Instrument :
MSVOA_Y
ClientSampleId :
TP-27

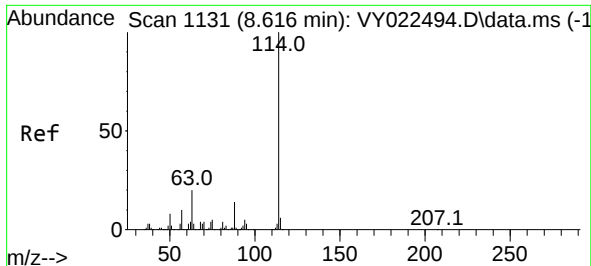
Tgt Ion:168 Resp: 244909
Ion Ratio Lower Upper
168 100
99 54.1 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 50.262 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

Tgt Ion: 65 Resp: 137676
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.4

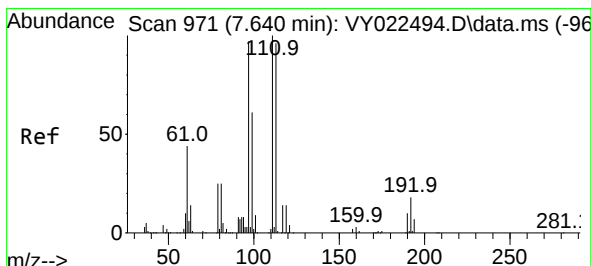
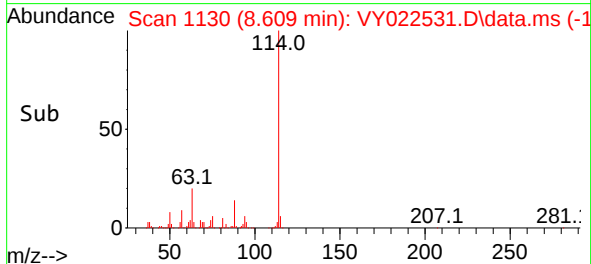
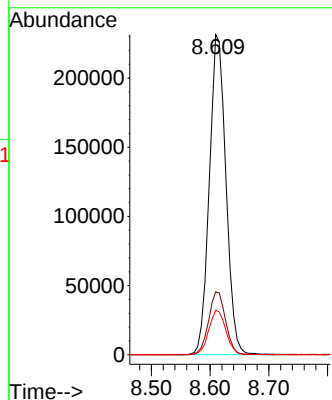
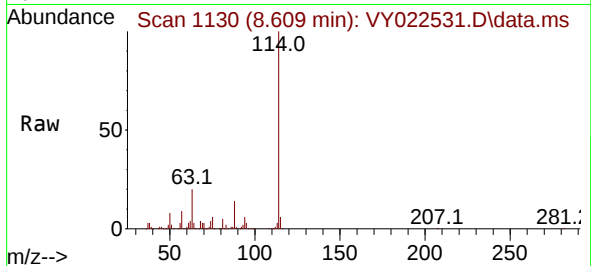




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

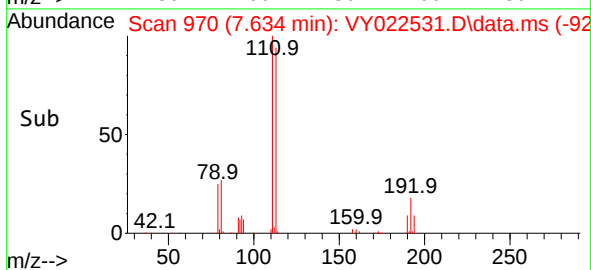
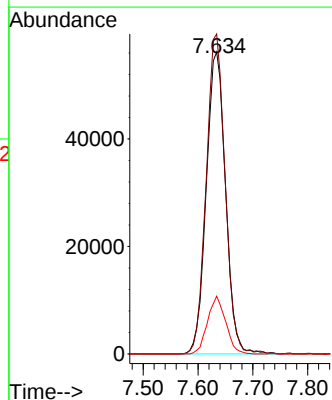
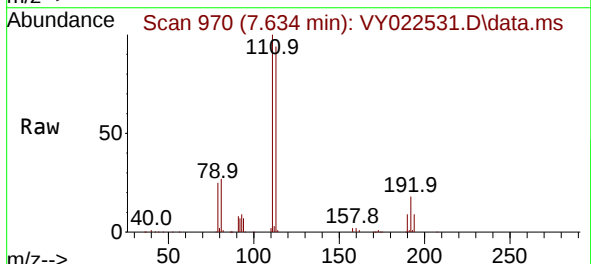
Instrument :
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ClientSampleId :
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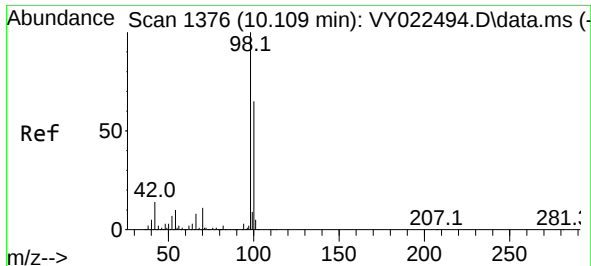
Tgt Ion:114 Resp: 453751
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.8
88 13.9 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.603 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

Tgt Ion:113 Resp: 137051
Ion Ratio Lower Upper
113 100
111 104.0 81.1 121.7
192 18.0 14.2 21.2

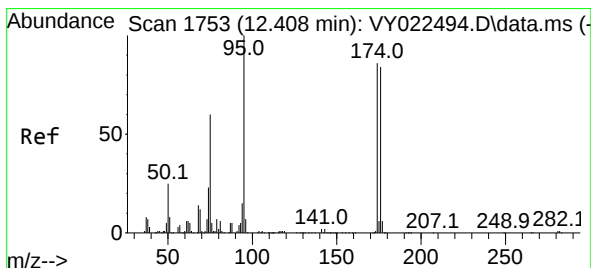
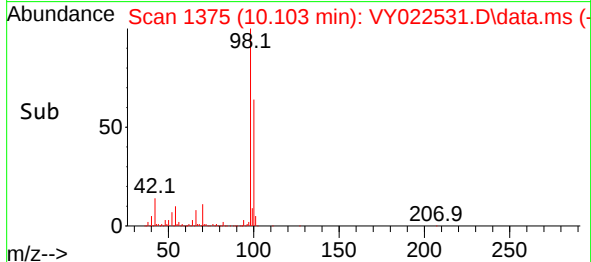
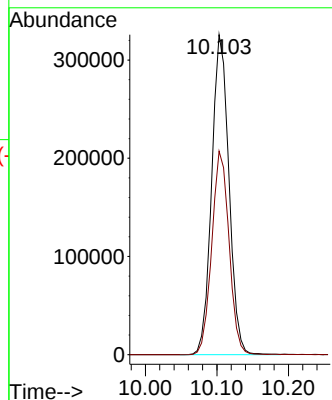
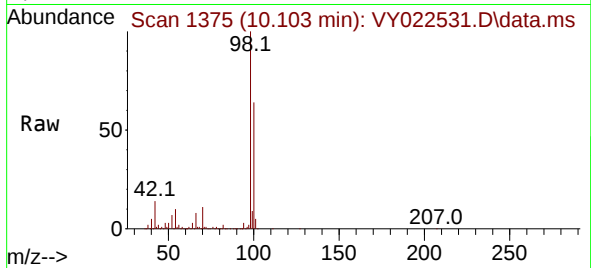




#50
Toluene-d8
Concen: 49.755 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

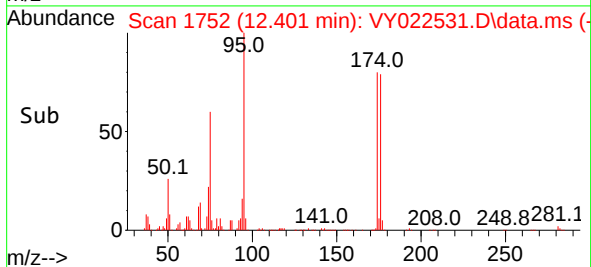
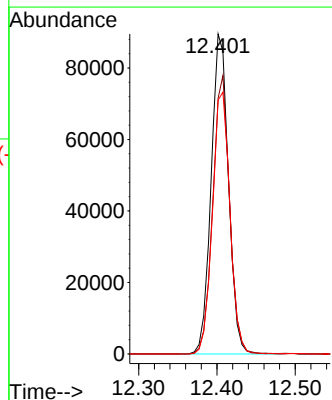
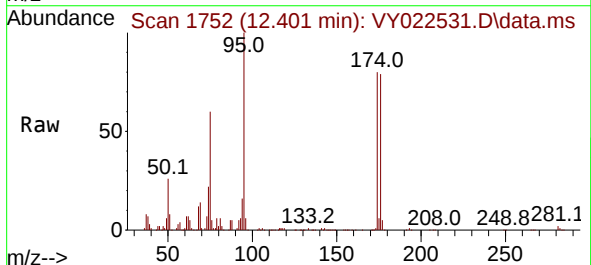
Instrument :
MSVOA_Y
ClientSampleId :
TP-27

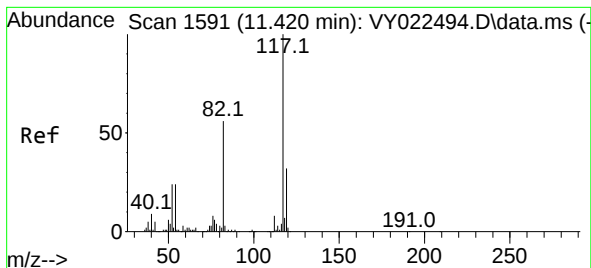
Tgt Ion: 98 Resp: 544497
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.140 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

Tgt Ion: 95 Resp: 137400
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.0
176 82.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022531.D

Acq: 03 Jun 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-27

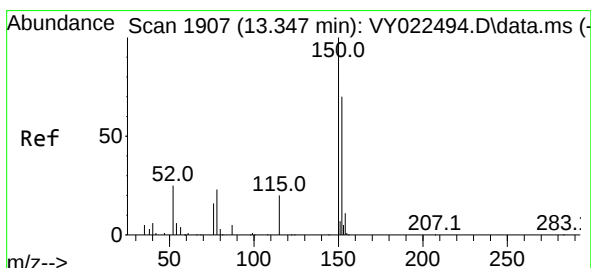
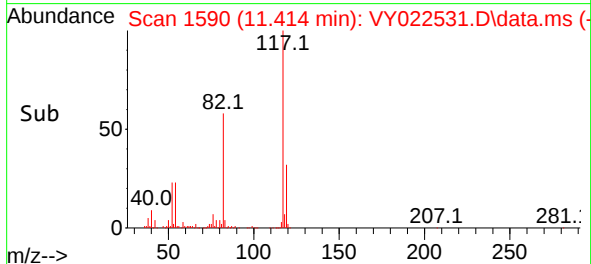
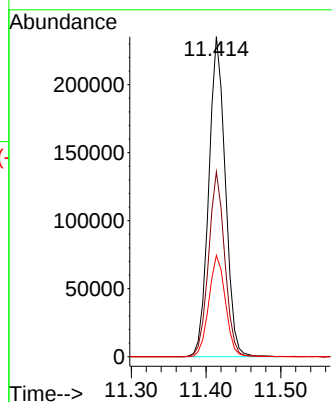
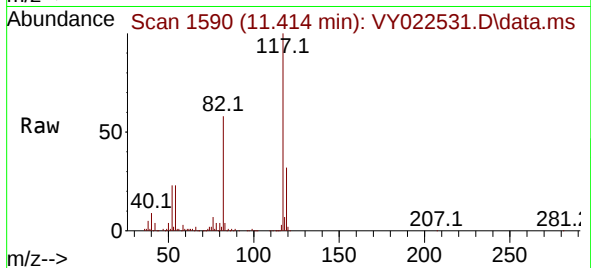
Tgt Ion:117 Resp: 362219

Ion Ratio Lower Upper

117 100

82 57.7 44.6 66.8

119 31.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022531.D

Acq: 03 Jun 2025 18:32

Tgt Ion:152 Resp: 131513

Ion Ratio Lower Upper

152 100

115 57.6 28.9 86.7

150 158.3 0.0 349.6

