

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022533.D
 Acq On : 03 Jun 2025 19:19
 Operator : SY/MD
 Sample : Q2176-08
 Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-65

Quant Time: Jun 04 04:17:40 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	268630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	484998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	368793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	123634	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	133278	44.360	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.720%
35) Dibromofluoromethane	7.628	113	138744	47.928	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.860%
50) Toluene-d8	10.103	98	579788	49.567	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.140%
62) 4-Bromofluorobenzene	12.401	95	133019	38.168	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.340%

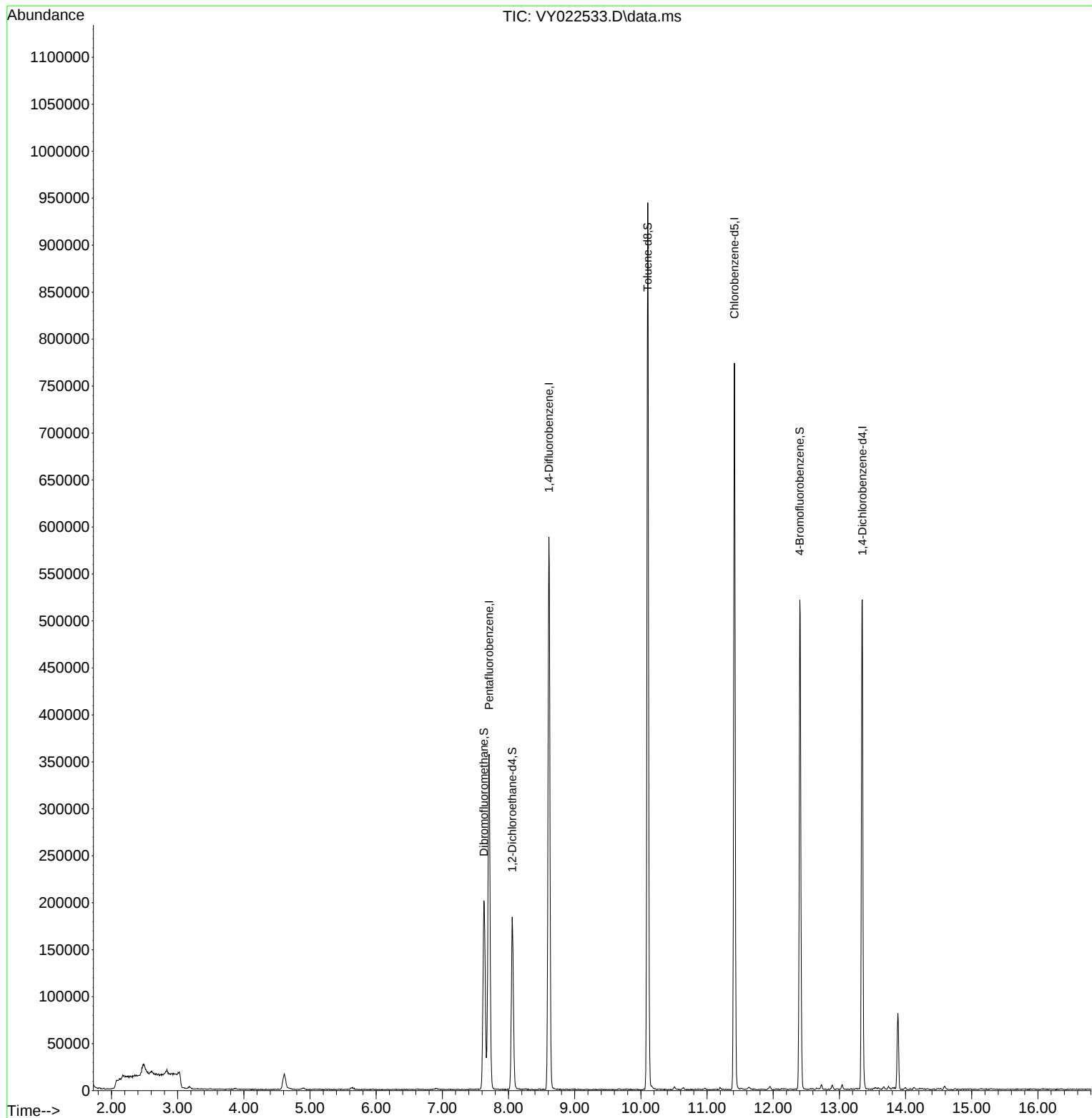
Target Compounds	Qvalue

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

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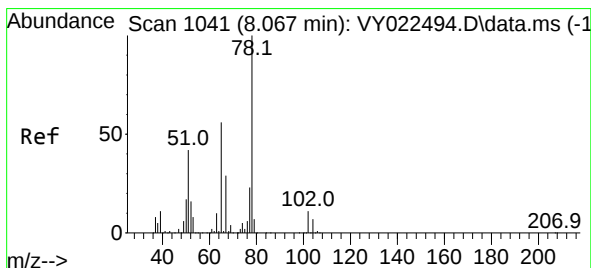
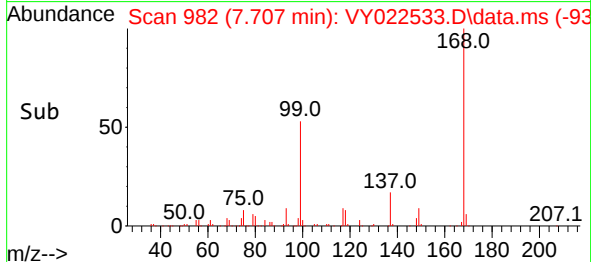
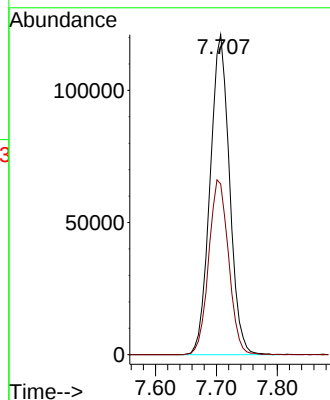
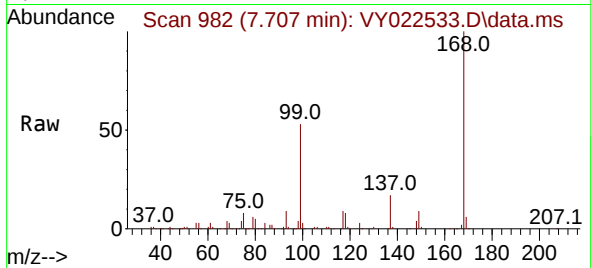




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

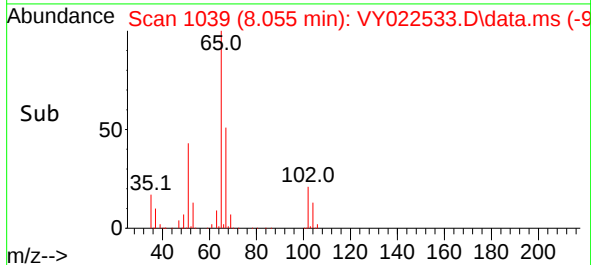
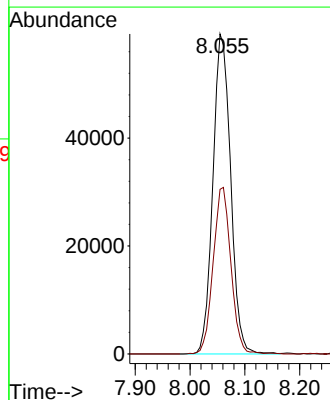
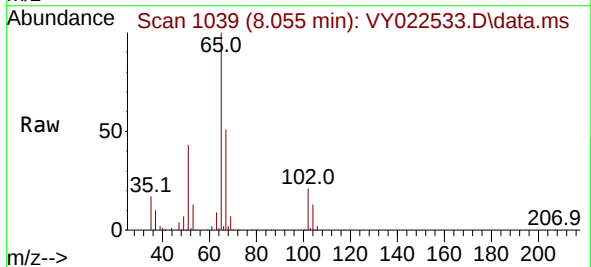
Instrument :
MSVOA_Y
ClientSampleId :
TP-65

Tgt Ion:168 Resp: 268630
Ion Ratio Lower Upper
168 100
99 53.3 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 44.360 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Tgt Ion: 65 Resp: 133278
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

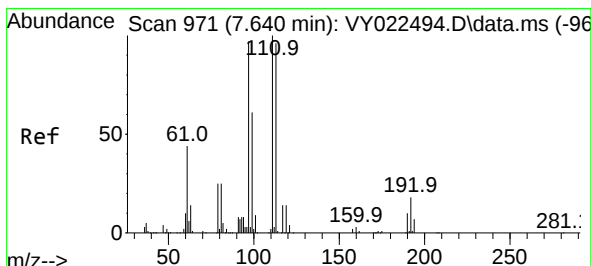
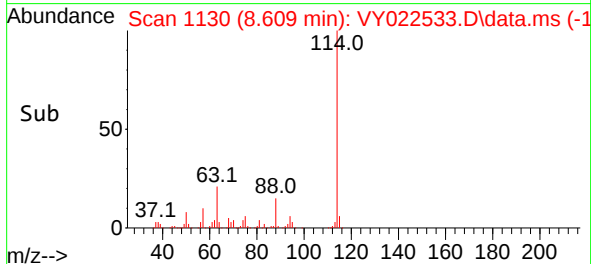
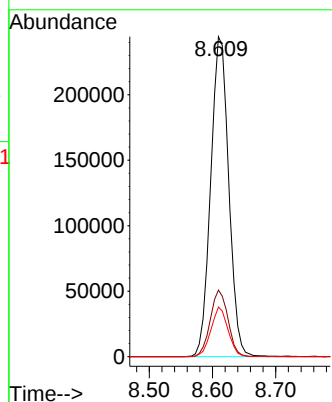
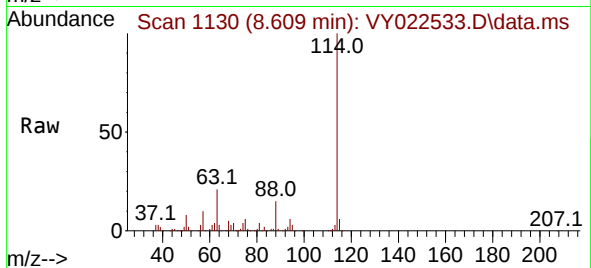




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

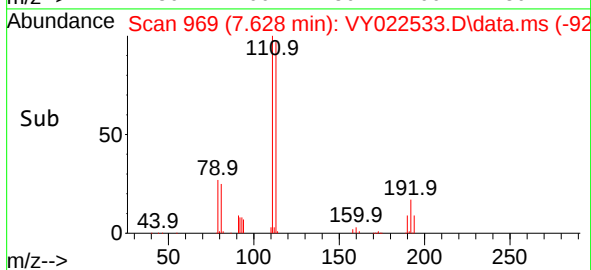
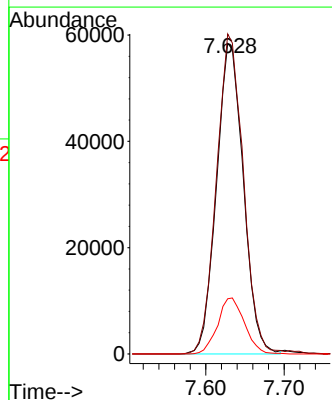
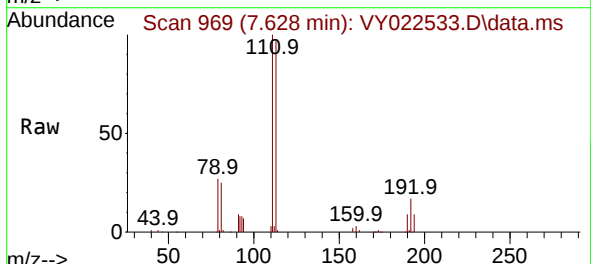
Instrument :
MSVOA_Y
ClientSampleId :
TP-65

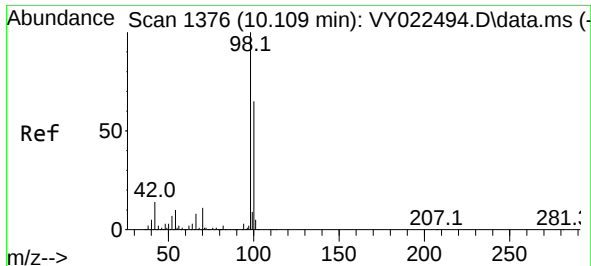
Tgt Ion:114 Resp: 484998
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 15.5 0.0 27.8



#35
Dibromofluoromethane
Concen: 47.928 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Tgt Ion:113 Resp: 138744
Ion Ratio Lower Upper
113 100
111 103.4 81.1 121.7
192 18.1 14.2 21.2

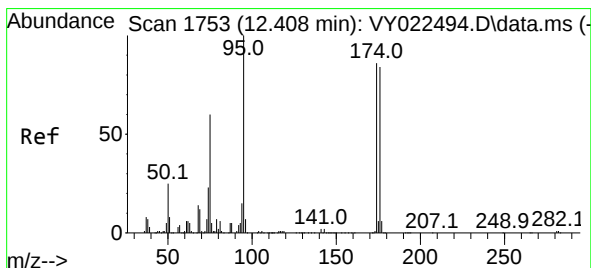
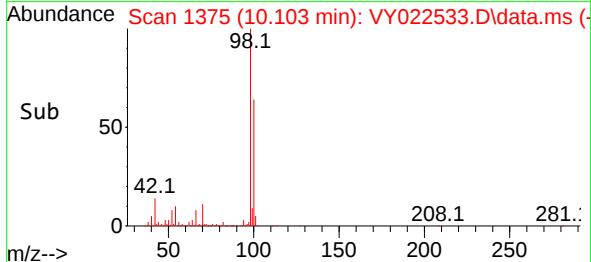
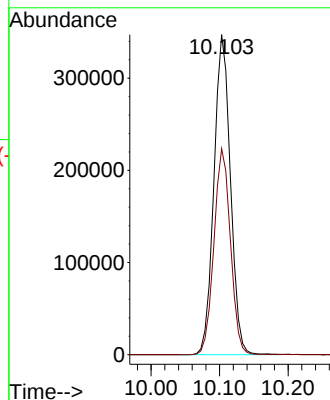
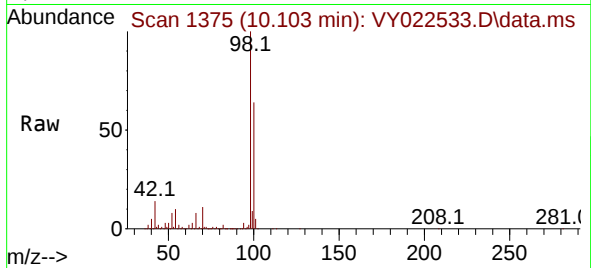




#50
Toluene-d8
Concen: 49.567 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

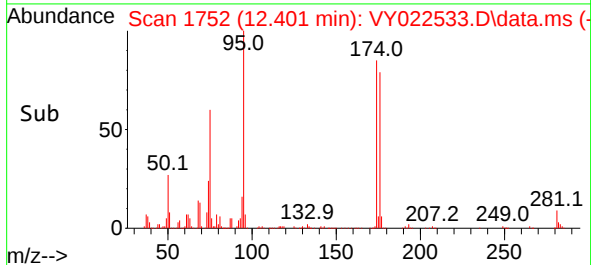
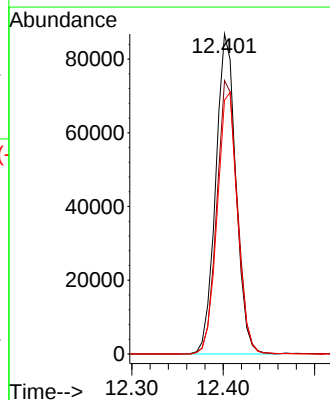
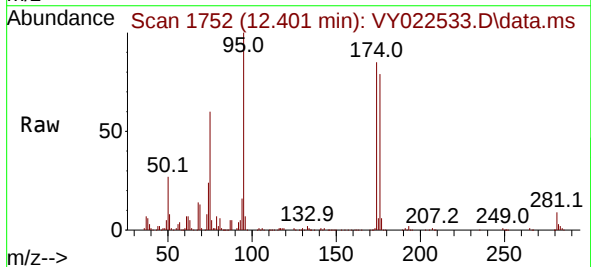
Instrument :
MSVOA_Y
ClientSampleId :
TP-65

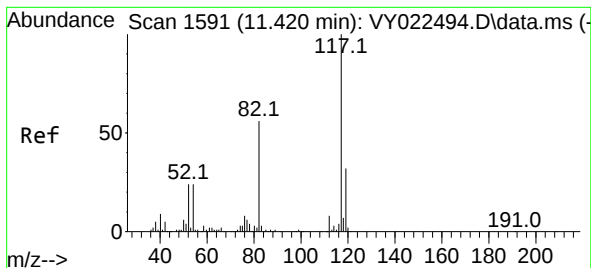
Tgt Ion: 98 Resp: 579788
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 38.168 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Tgt Ion: 95 Resp: 133019
Ion Ratio Lower Upper
95 100
174 87.1 0.0 170.0
176 82.6 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: VY022533.D

Acq: 03 Jun 2025 19:19

Instrument :

MSVOA_Y

ClientSampleId :

TP-65

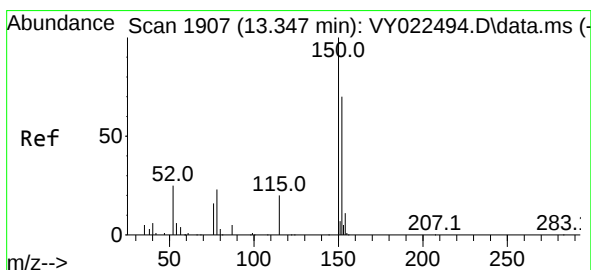
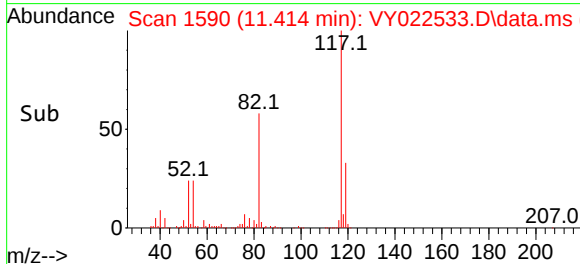
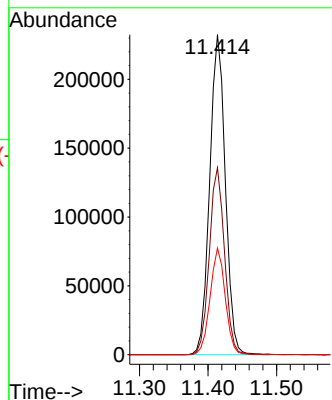
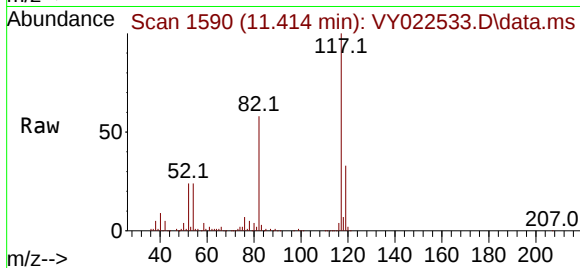
Tgt Ion:117 Resp: 368793

Ion Ratio Lower Upper

117 100

82 58.4 44.6 66.8

119 33.3 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: VY022533.D

Acq: 03 Jun 2025 19:19

Tgt Ion:152 Resp: 123634

Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 156.7 0.0 349.6

