

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021795.D
 Acq On : 07 Apr 2025 13:35
 Operator : SY/MD
 Sample : VY0407SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0407SBL01

Quant Time: Apr 08 03:31:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	188077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	313333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	265951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	117542	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	105208	51.629	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.260%
35) Dibromofluoromethane	7.640	113	102182	50.273	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.540%
50) Toluene-d8	10.109	98	367788	47.565	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.120%
62) 4-Bromofluorobenzene	12.408	95	109514	41.872	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.740%

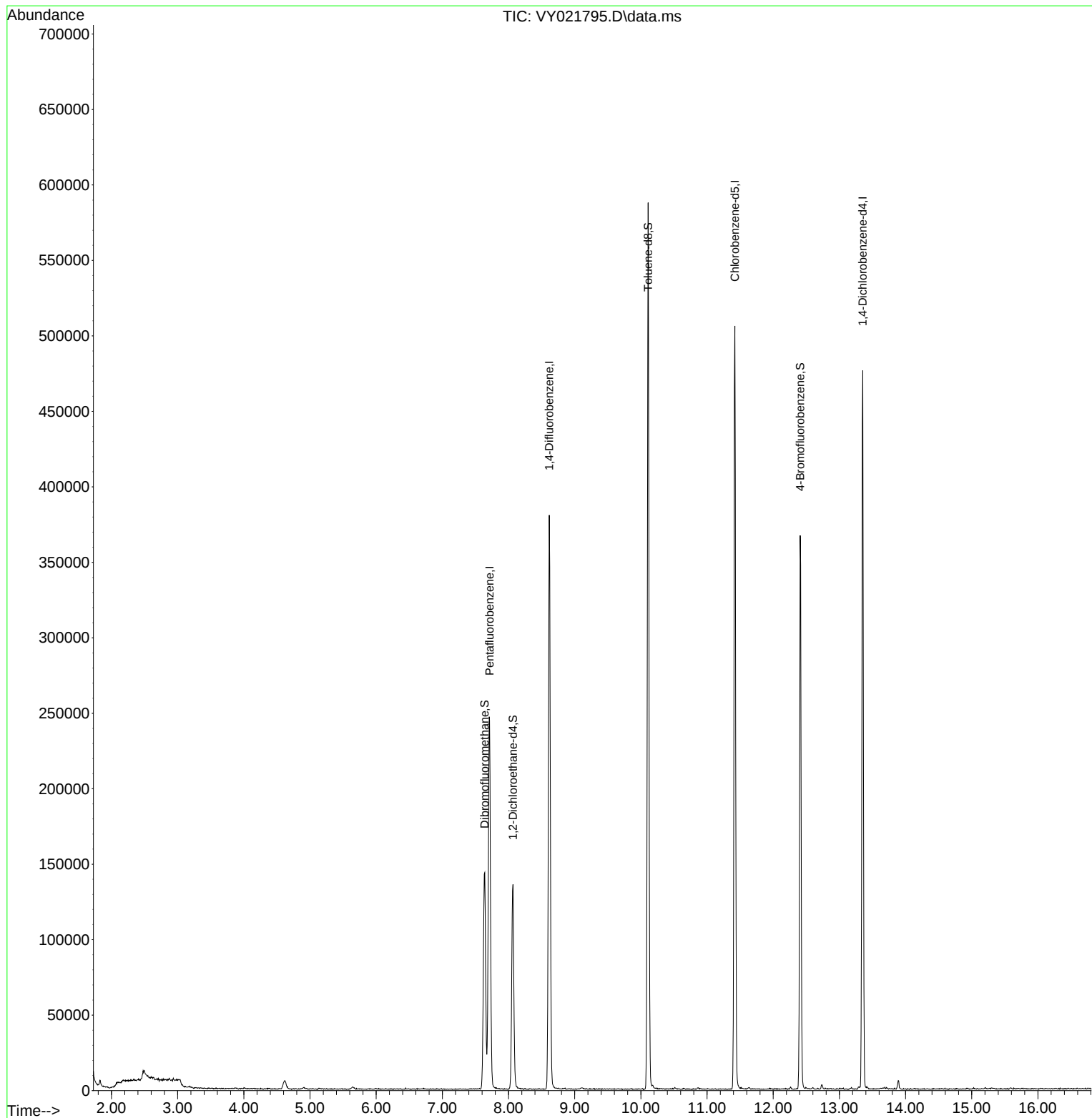
Target Compounds	Qvalue

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

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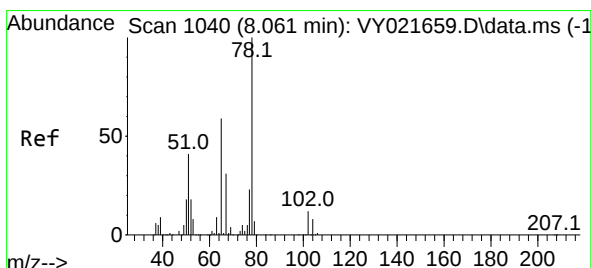
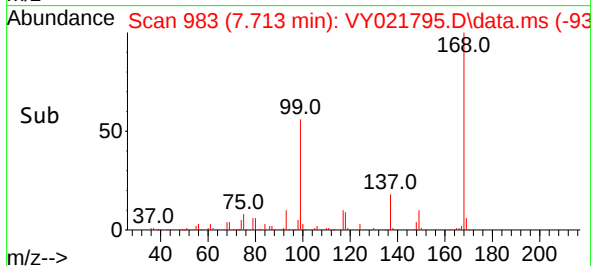
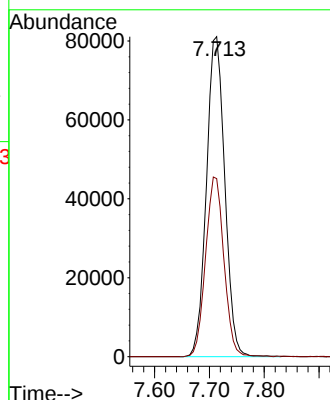
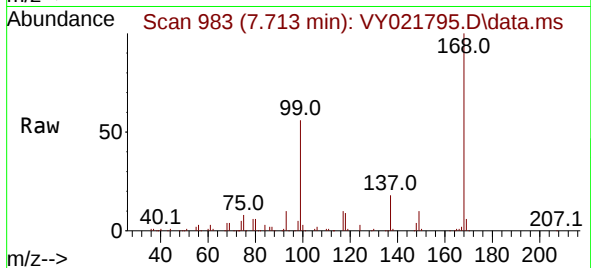




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021795.D
Acq: 07 Apr 2025 13:35

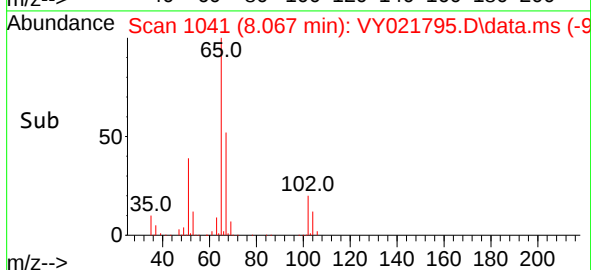
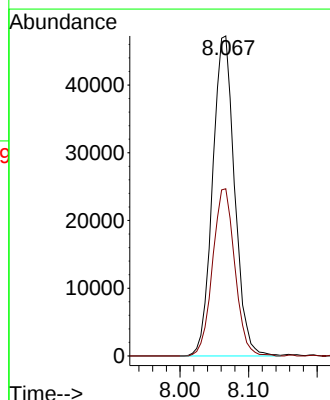
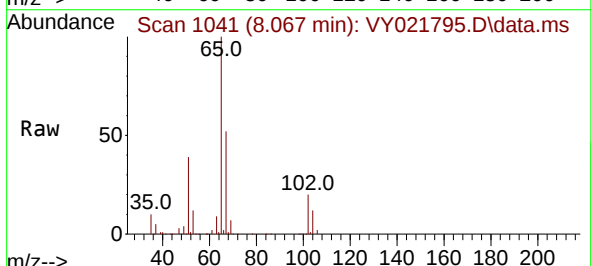
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBL01

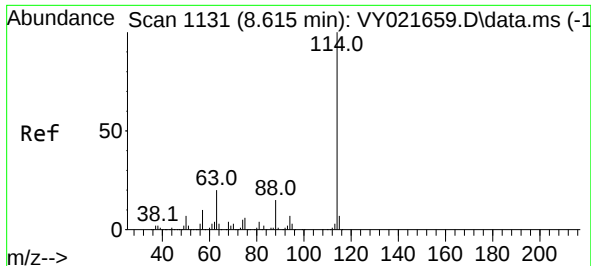
Tgt Ion:168 Resp: 188077
Ion Ratio Lower Upper
168 100
99 55.6 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 51.629 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY021795.D
Acq: 07 Apr 2025 13:35

Tgt Ion: 65 Resp: 105208
Ion Ratio Lower Upper
65 100
67 52.8 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: VY021795.D

Acq: 07 Apr 2025 13:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBL01

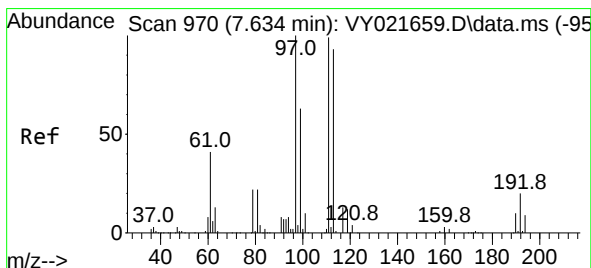
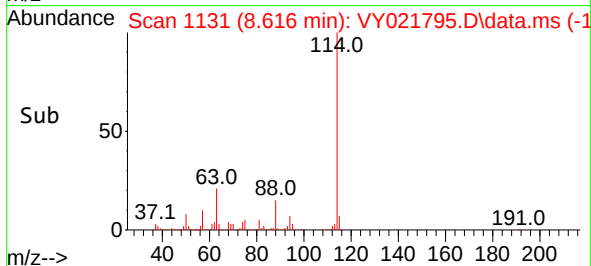
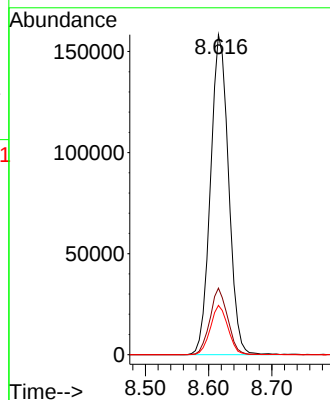
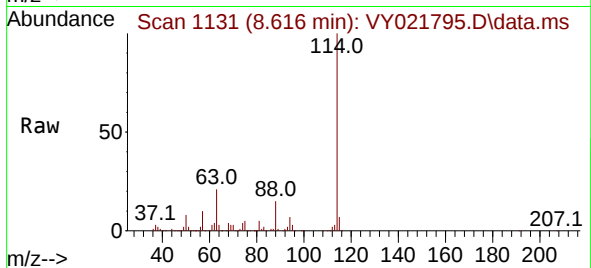
Tgt Ion:114 Resp: 313333

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 15.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.273 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY021795.D

Acq: 07 Apr 2025 13:35

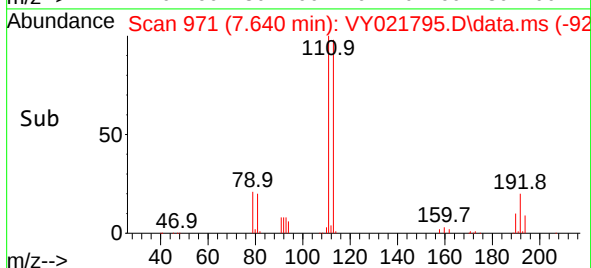
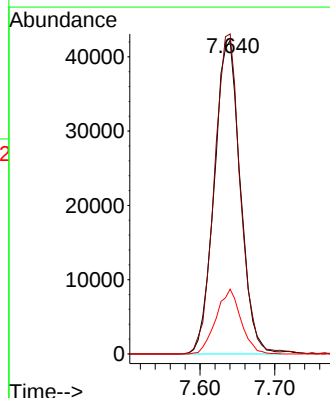
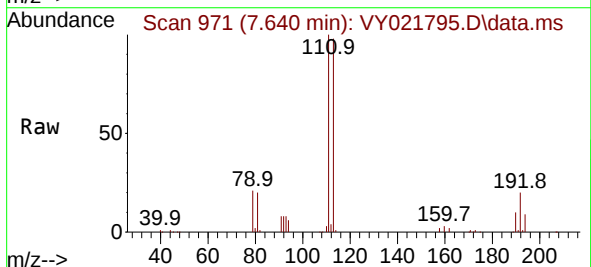
Tgt Ion:113 Resp: 102182

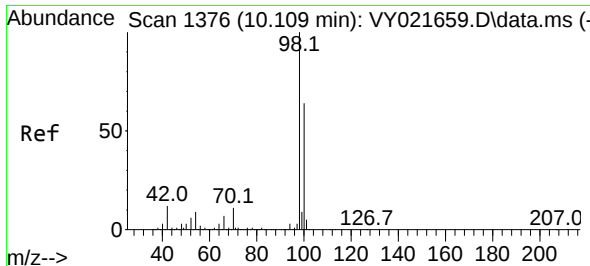
Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

192 19.8 16.2 24.4

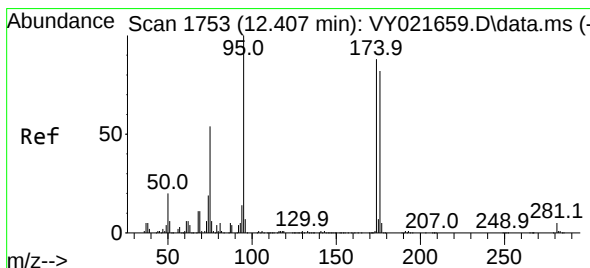
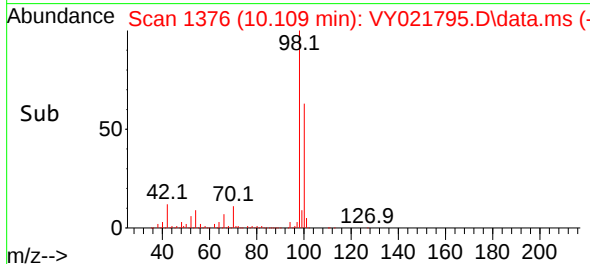
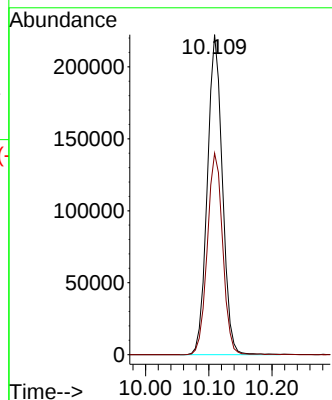
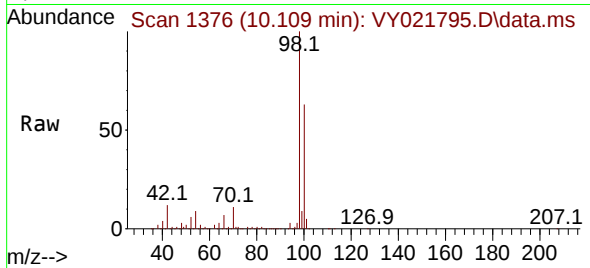




#50
Toluene-d8
Concen: 47.565 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021795.D
Acq: 07 Apr 2025 13:35

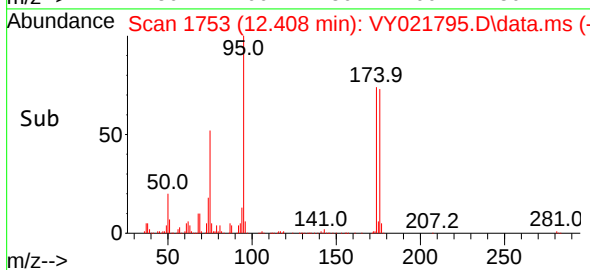
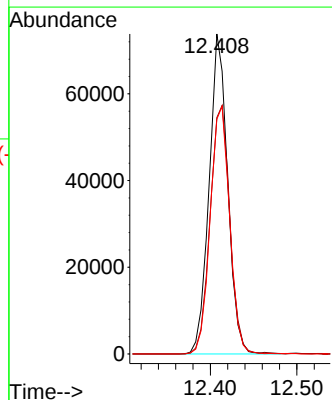
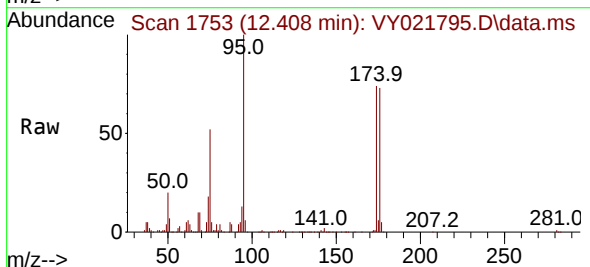
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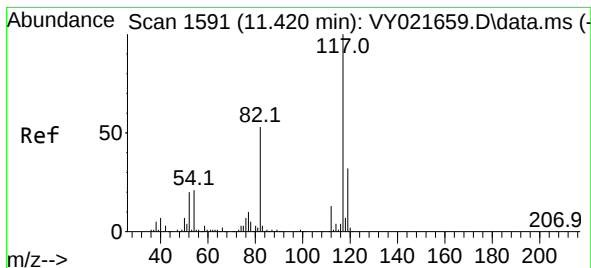
Tgt Ion: 98 Resp: 367788
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 41.872 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021795.D
Acq: 07 Apr 2025 13:35

Tgt Ion: 95 Resp: 109514
Ion Ratio Lower Upper
95 100
174 82.7 0.0 170.8
176 81.1 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021795.D

Acq: 07 Apr 2025 13:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBL01

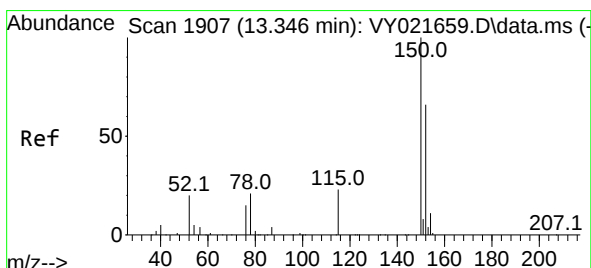
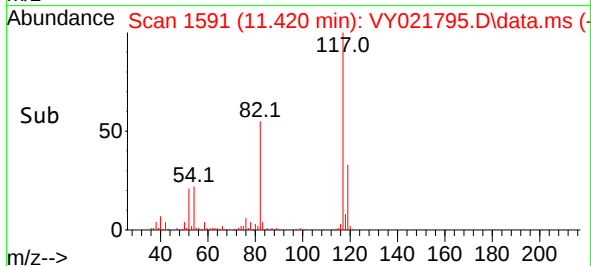
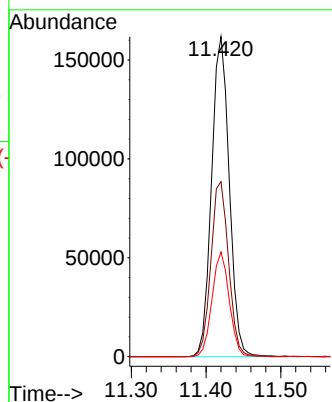
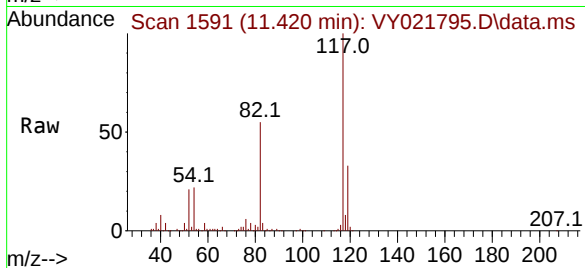
Tgt Ion:117 Resp: 265951

Ion Ratio Lower Upper

117 100

82 54.7 42.8 64.2

119 32.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021795.D

Acq: 07 Apr 2025 13:35

Tgt Ion:152 Resp: 117542

Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 156.1 0.0 348.4

