

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
 Data File : VY021892.D
 Acq On : 15 Apr 2025 13:39
 Operator : SY/MD
 Sample : Q1808-03
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LAW-25-0060

Quant Time: Apr 16 03:01:58 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	7.707	168	260204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	478725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	414697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	159126	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	149962	53.192	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.380%
35) Dibromofluoromethane	7.634	113	160292	51.617	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.240%
50) Toluene-d8	10.109	98	573924	48.580	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.160%
62) 4-Bromofluorobenzene	12.407	95	168244	42.103	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.200%

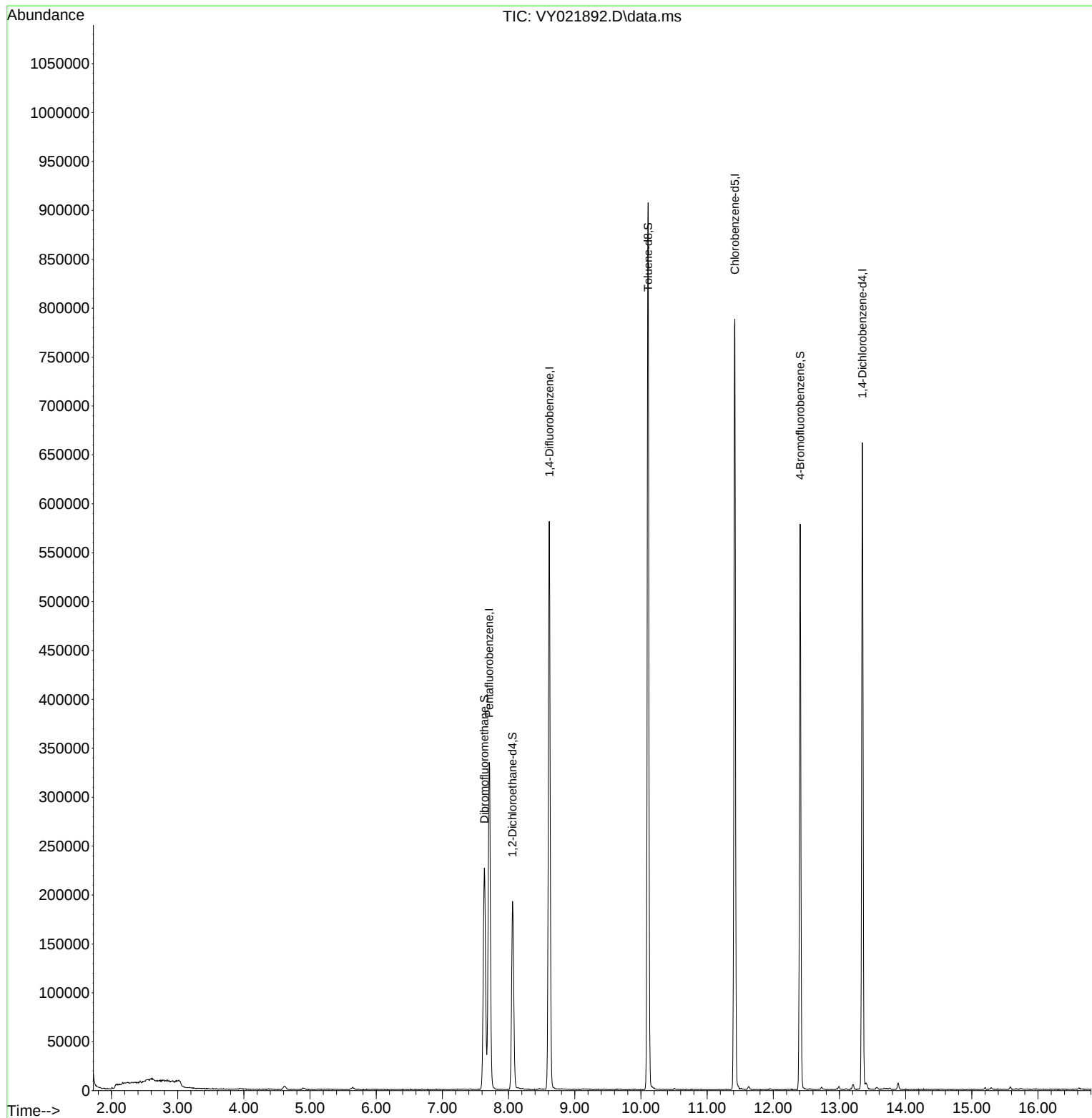
Target Compounds	Qvalue

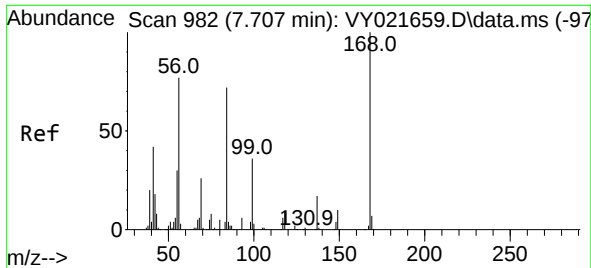
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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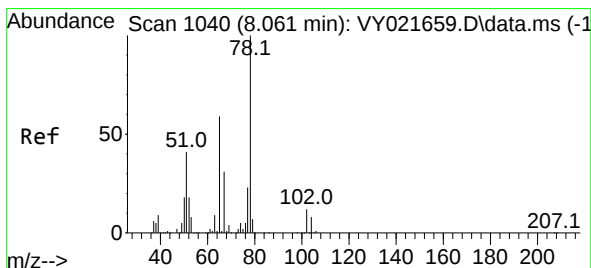
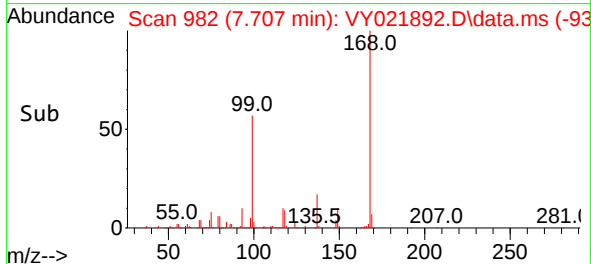
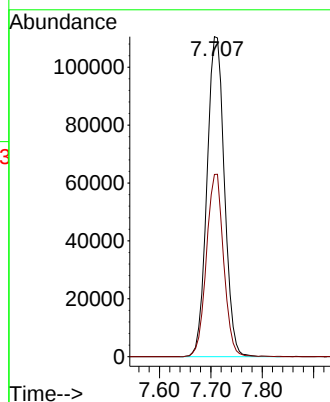
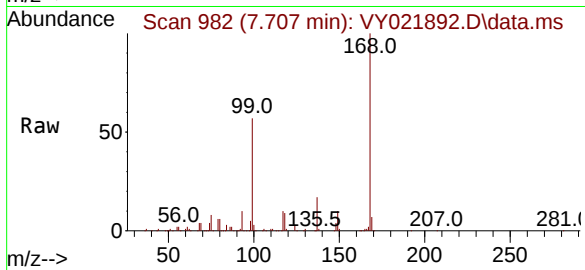




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY021892.D
Acq: 15 Apr 2025 13:39

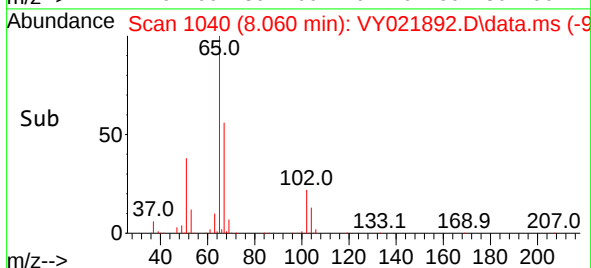
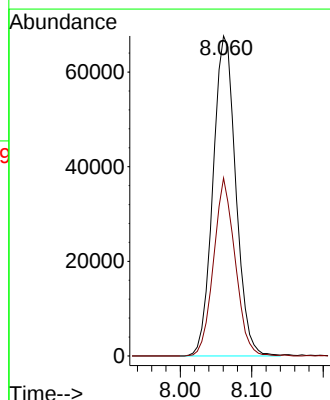
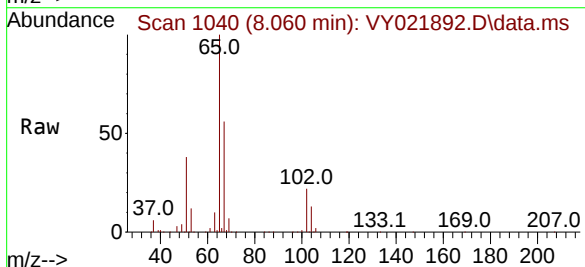
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0060

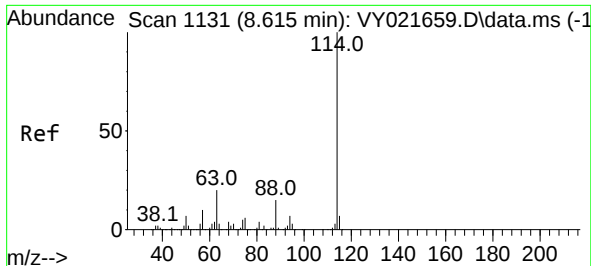
Tgt Ion:168 Resp: 260204
Ion Ratio Lower Upper
168 100
99 56.9 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 53.192 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021892.D
Acq: 15 Apr 2025 13:39

Tgt Ion: 65 Resp: 149962
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6

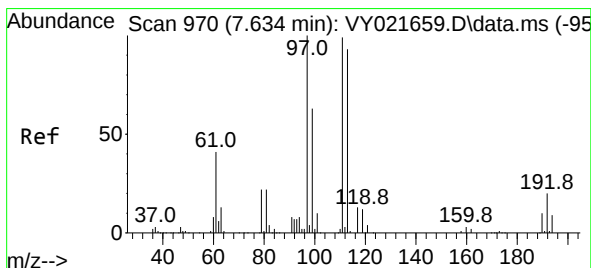
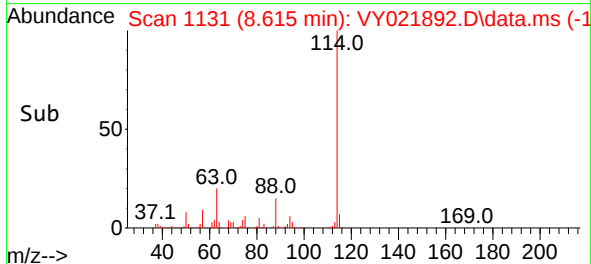
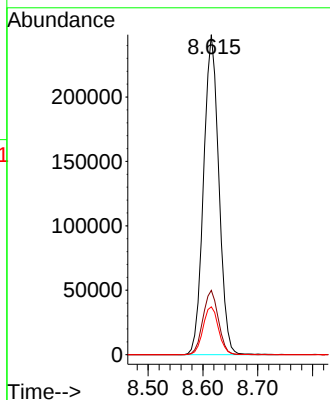
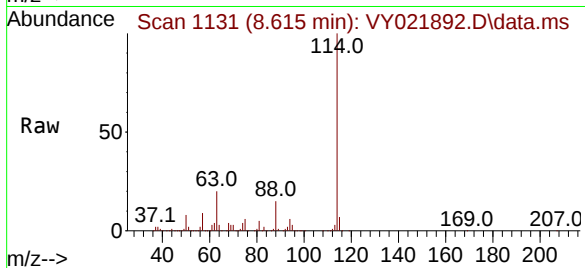




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021892.D
Acq: 15 Apr 2025 13:39

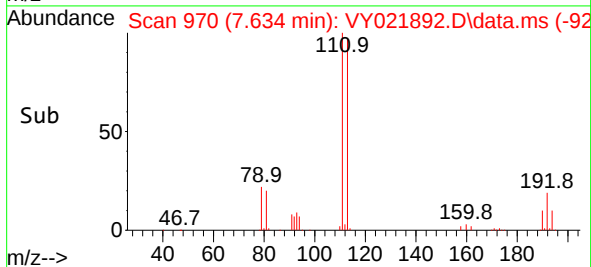
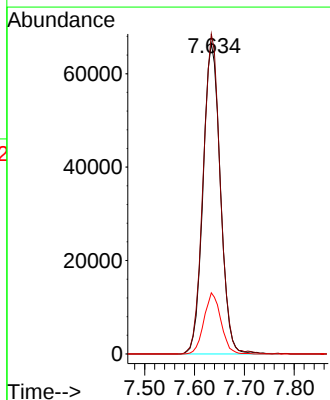
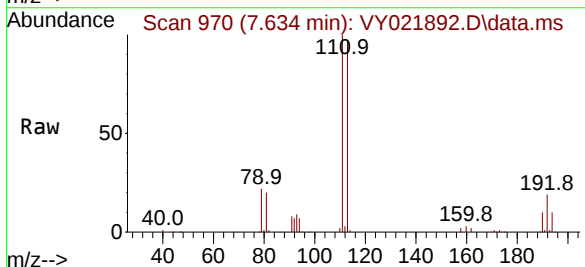
Instrument :
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ClientSampleId :
LAW-25-0060

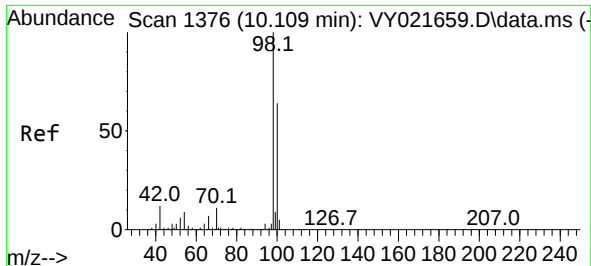
Tgt Ion:114 Resp: 478725
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.2
88 15.0 0.0 29.8



#35
Dibromofluoromethane
Concen: 51.617 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021892.D
Acq: 15 Apr 2025 13:39

Tgt Ion:113 Resp: 160292
Ion Ratio Lower Upper
113 100
111 102.0 82.6 123.8
192 19.3 16.2 24.4

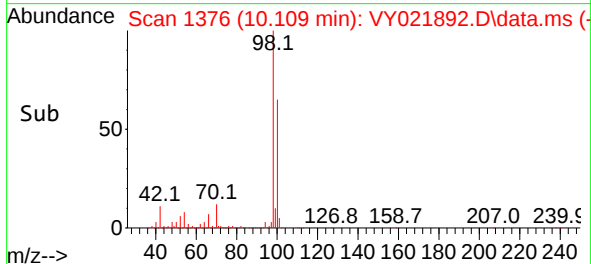
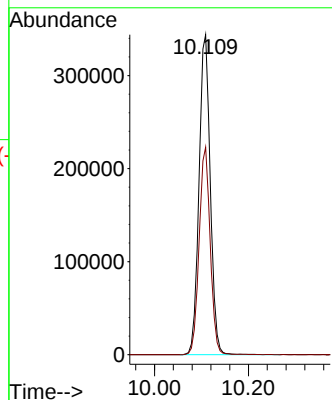
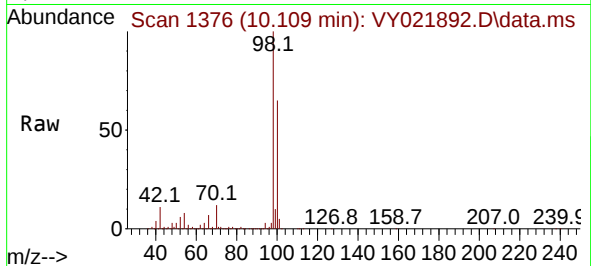




#50
Toluene-d8
Concen: 48.580 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021892.D
Acq: 15 Apr 2025 13:39

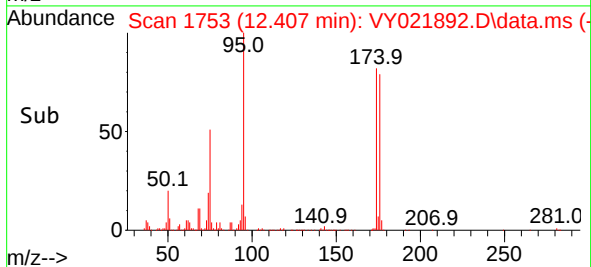
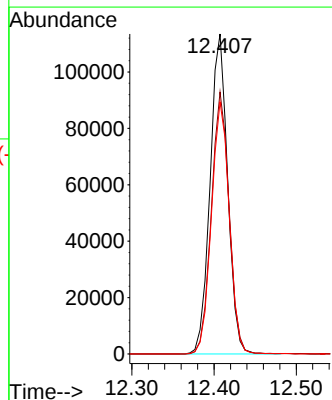
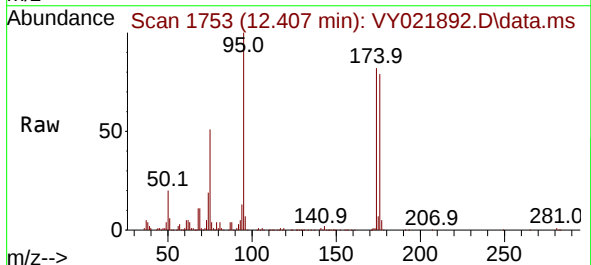
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0060

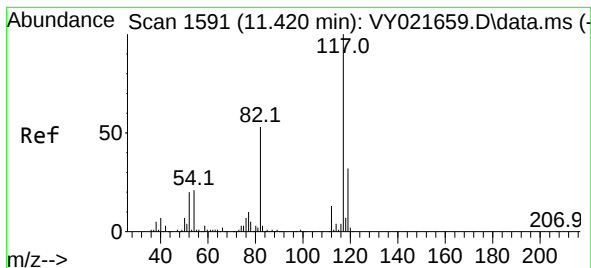
Tgt Ion: 98 Resp: 573924
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 42.103 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021892.D
Acq: 15 Apr 2025 13:39

Tgt Ion: 95 Resp: 168244
Ion Ratio Lower Upper
95 100
174 83.0 0.0 170.8
176 80.1 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: VY021892.D

Acq: 15 Apr 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

LAW-25-0060

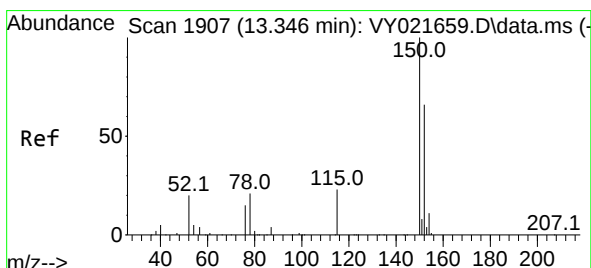
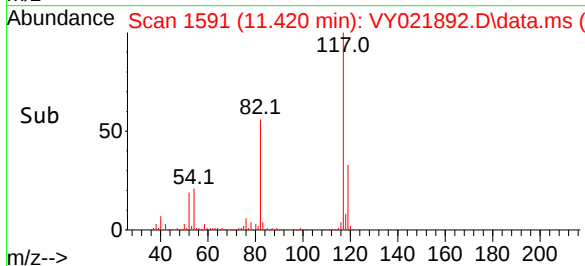
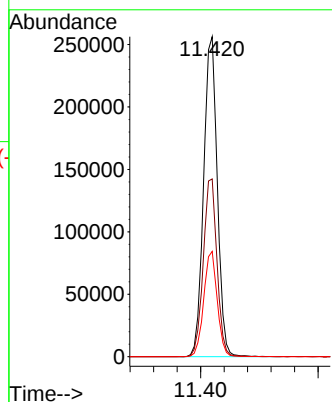
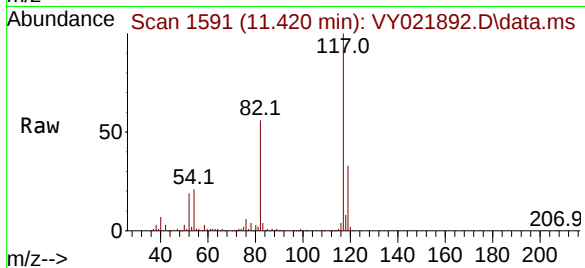
Tgt Ion:117 Resp: 414697

Ion Ratio Lower Upper

117 100

82 55.6 42.8 64.2

119 32.9 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021892.D

Acq: 15 Apr 2025 13:39

Tgt Ion:152 Resp: 159126

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 156.4 0.0 348.4

