

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
 Data File : VY021807.D
 Acq On : 09 Apr 2025 09:57
 Operator : SY/MD
 Sample : VY0409SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0409SBL01

Quant Time: Apr 10 01:38:48 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	7.719	168	219208	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	416571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	347068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	113817	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	131261	55.267	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.540%
35) Dibromofluoromethane	7.646	113	143768	53.204	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.400%
50) Toluene-d8	10.115	98	502501	48.881	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.760%
62) 4-Bromofluorobenzene	12.414	95	127609	36.699	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.400%

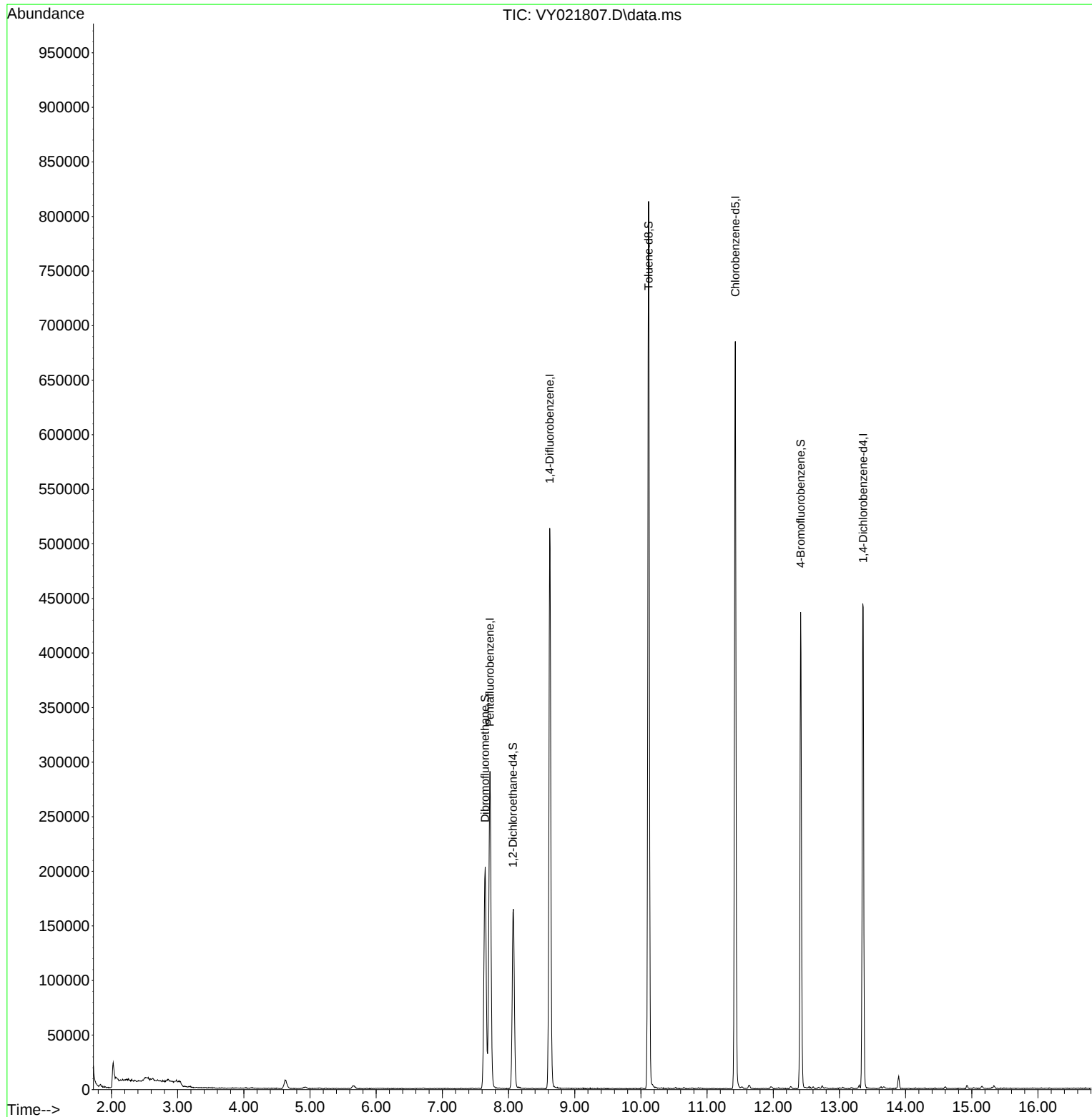
Target Compounds	Qvalue

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

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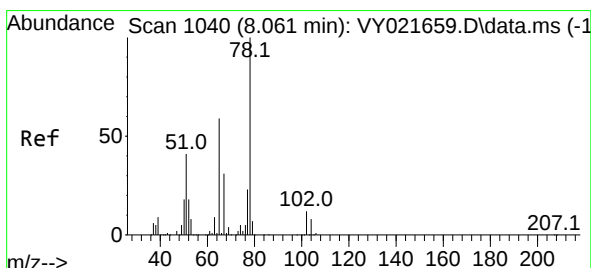
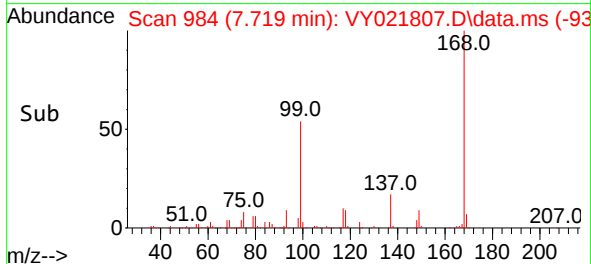
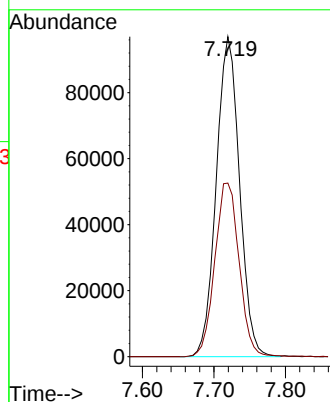
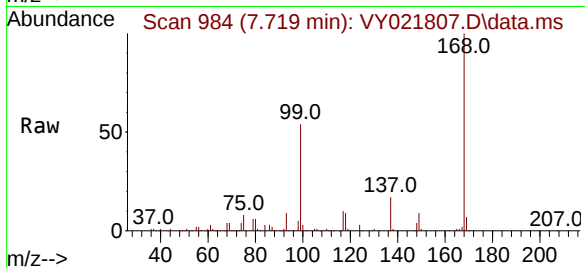




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY021807.D
Acq: 09 Apr 2025 09:57

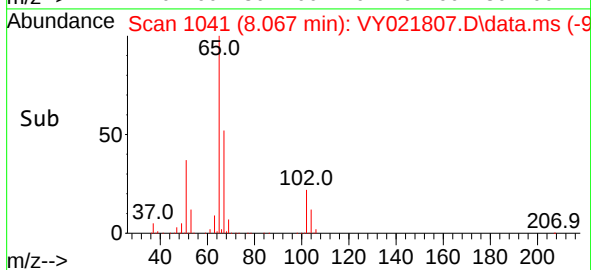
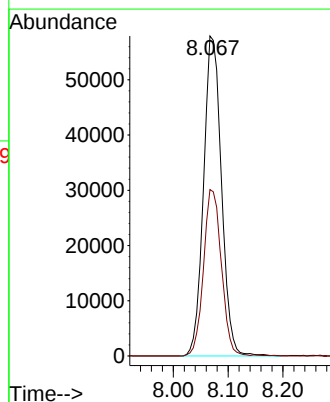
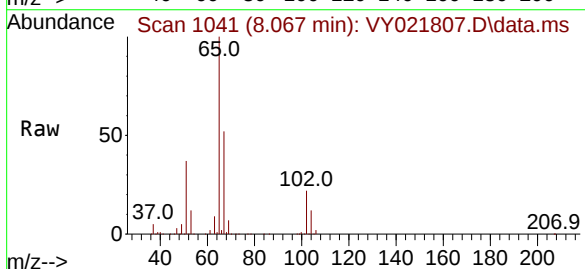
Instrument :
MSVOA_Y
ClientSampleId :
VY0409SBL01

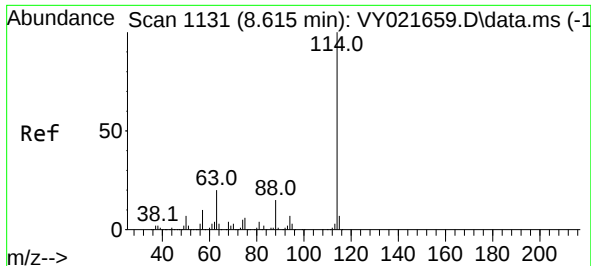
Tgt Ion:168 Resp: 219208
Ion Ratio Lower Upper
168 100
99 54.2 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 55.267 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY021807.D
Acq: 09 Apr 2025 09:57

Tgt Ion: 65 Resp: 131261
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY021807.D

Acq: 09 Apr 2025 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0409SBL01

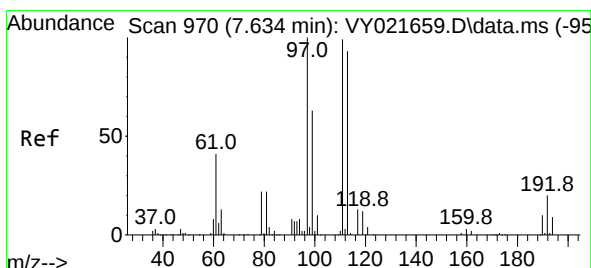
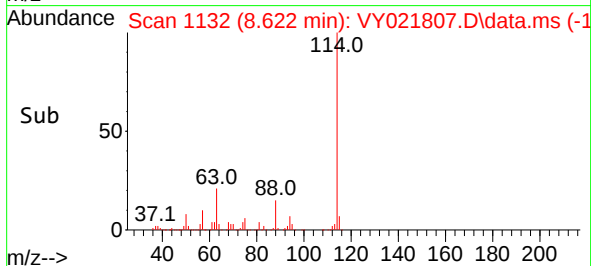
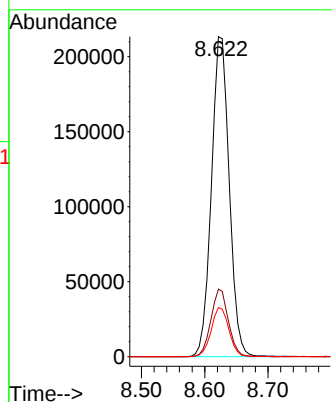
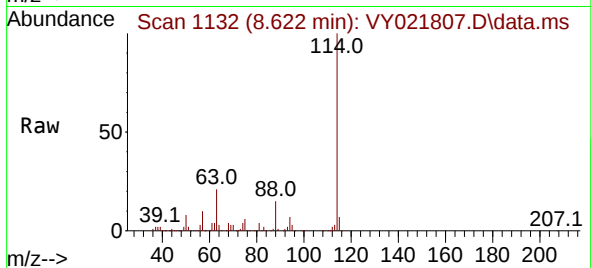
Tgt Ion:114 Resp: 416571

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.2

88 15.3 0.0 29.8



#35

Dibromofluoromethane

Concen: 53.204 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY021807.D

Acq: 09 Apr 2025 09:57

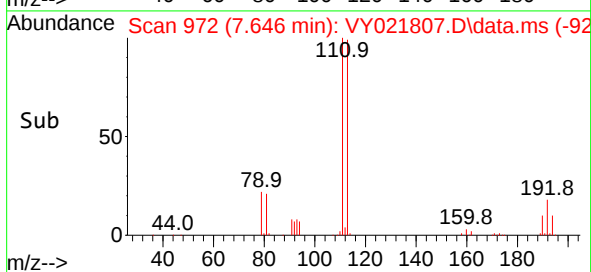
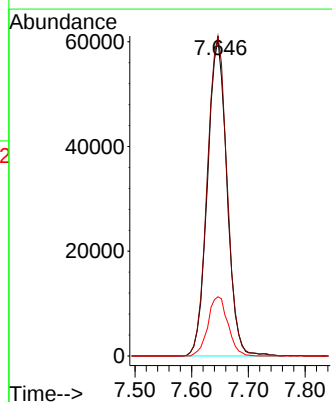
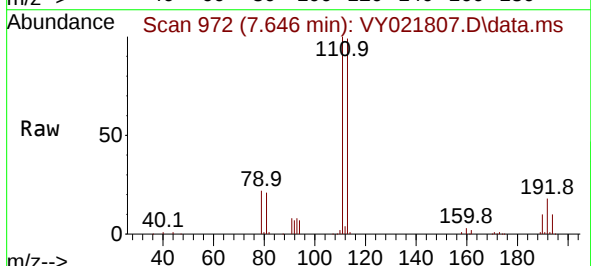
Tgt Ion:113 Resp: 143768

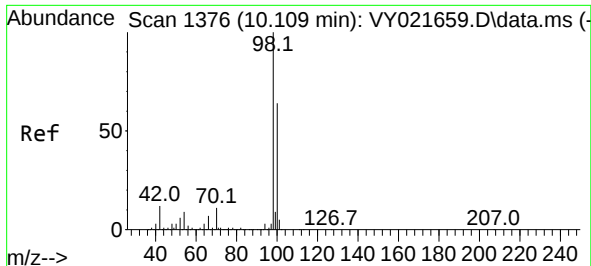
Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

192 19.2 16.2 24.4

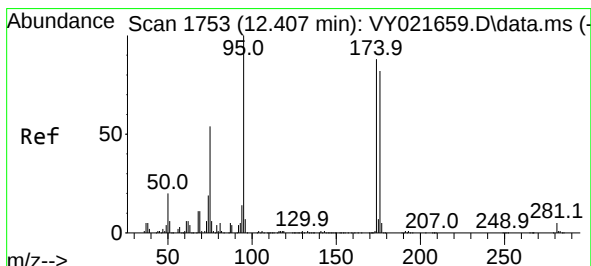
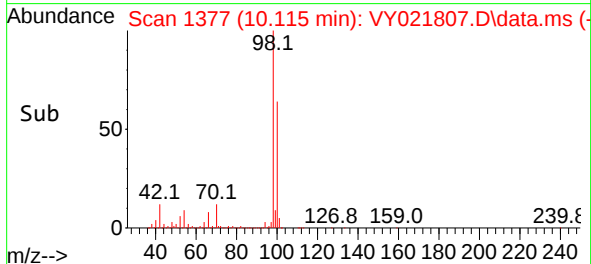
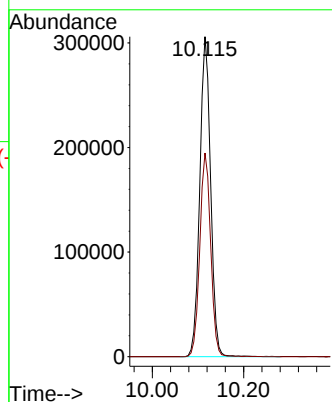
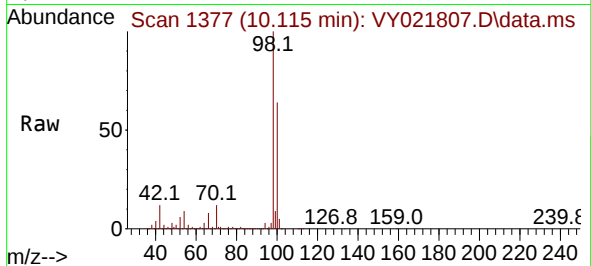




#50
Toluene-d8
Concen: 48.881 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021807.D
Acq: 09 Apr 2025 09:57

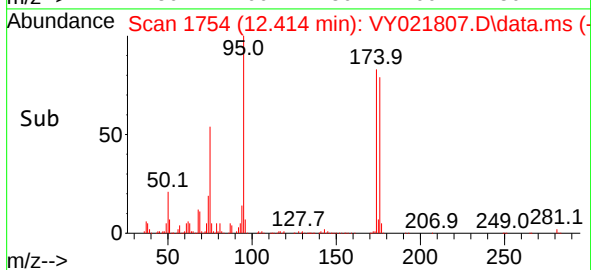
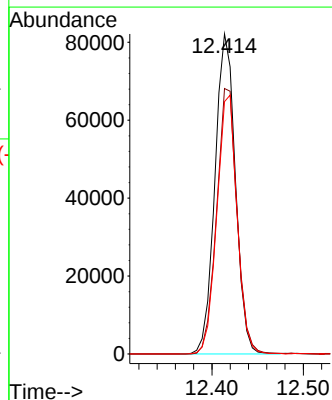
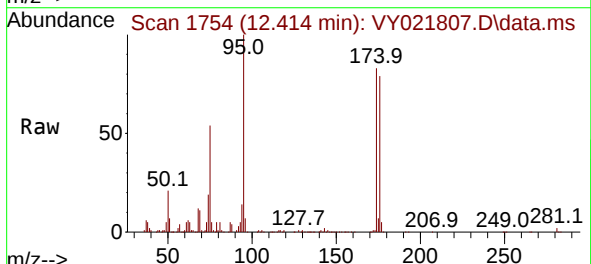
Instrument :
MSVOA_Y
ClientSampleId :
VY0409SBL01

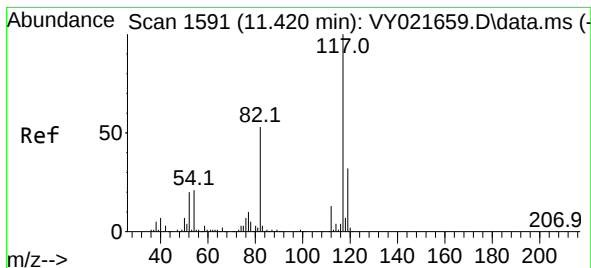
Tgt Ion: 98 Resp: 502501
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 36.699 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021807.D
Acq: 09 Apr 2025 09:57

Tgt Ion: 95 Resp: 127609
Ion Ratio Lower Upper
95 100
174 82.8 0.0 170.8
176 80.1 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021807.D

Acq: 09 Apr 2025 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0409SBL01

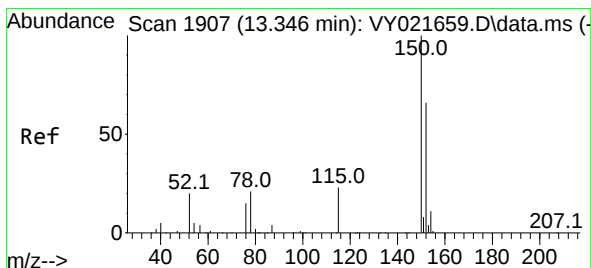
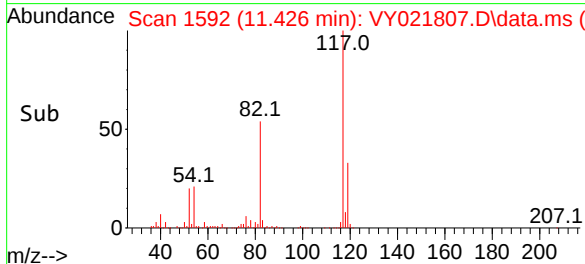
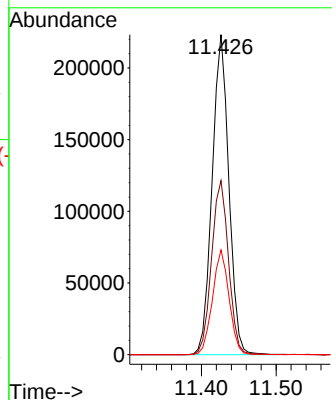
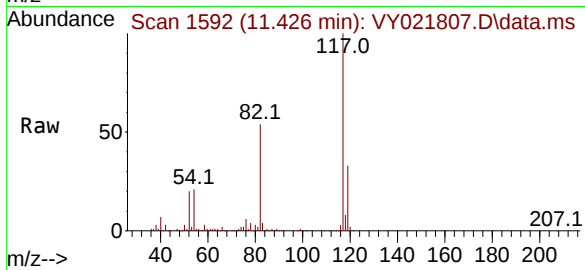
Tgt Ion:117 Resp: 347068

Ion Ratio Lower Upper

117 100

82 54.4 42.8 64.2

119 32.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.012 min

Lab File: VY021807.D

Acq: 09 Apr 2025 09:57

Tgt Ion:152 Resp: 113817

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 158.2 0.0 348.4

