

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021248.D
 Acq On : 20 Feb 2025 14:33
 Operator : SY/MD
 Sample : VY0220SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBL01

Quant Time: Feb 21 02:40:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.732	168	230273	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.634	114	431903	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.432	117	384104	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.365	152	134037	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	130680	55.389	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.780%
35) Dibromofluoromethane	7.658	113	137601	49.713	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.420%
50) Toluene-d8	10.121	98	518778	49.231	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.460%
62) 4-Bromofluorobenzene	12.420	95	157153	45.649	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.300%

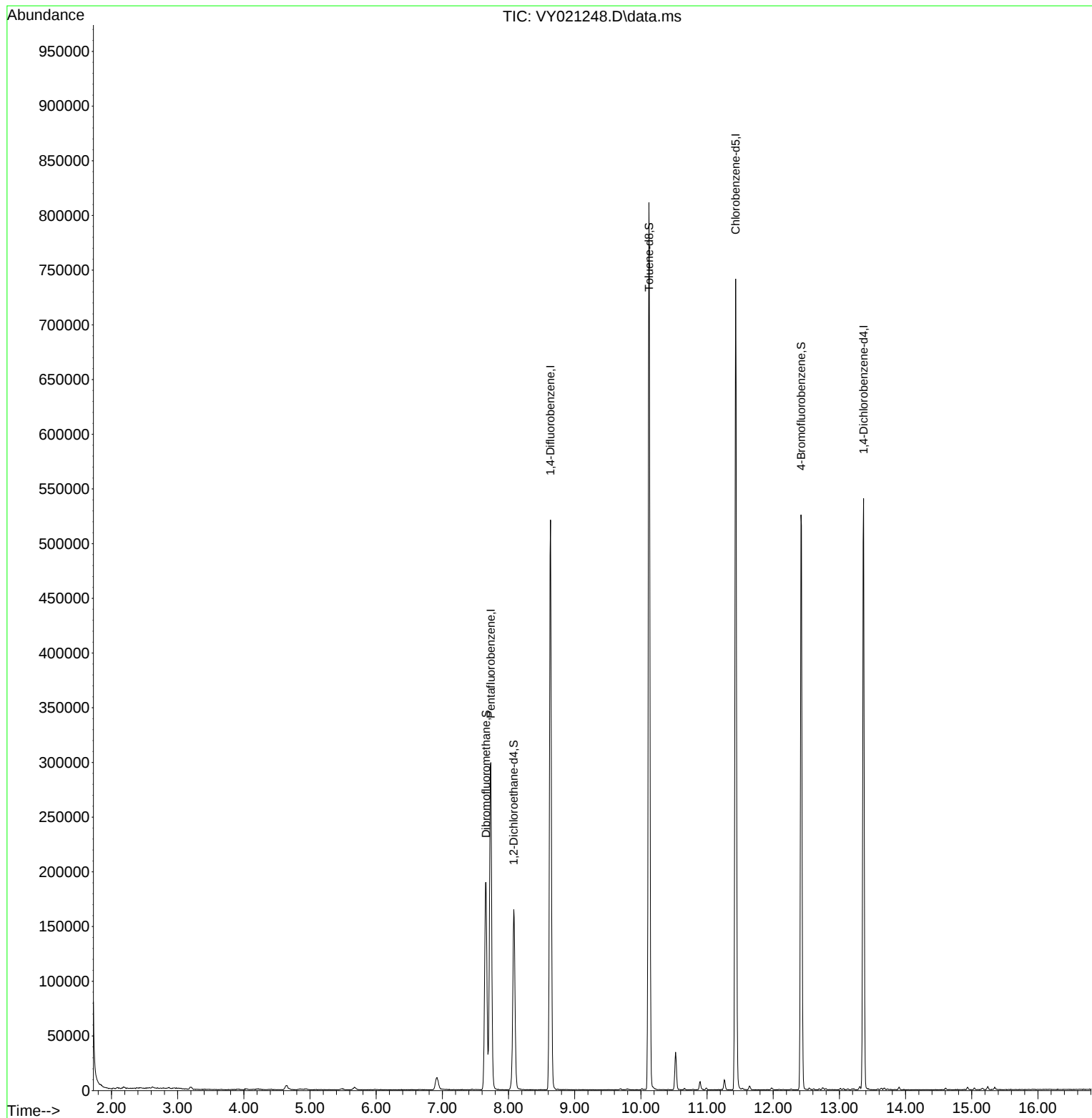
Target Compounds	Qvalue

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

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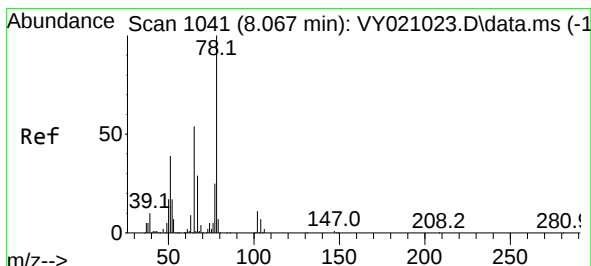
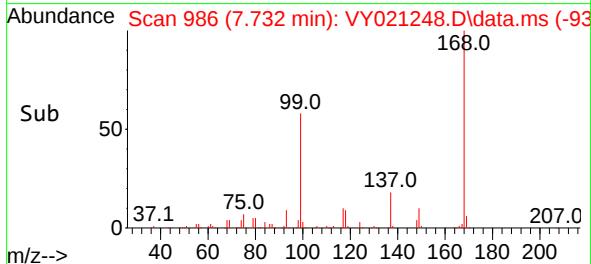
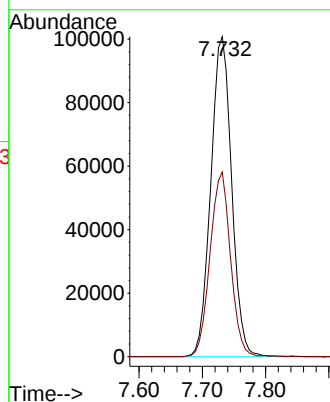
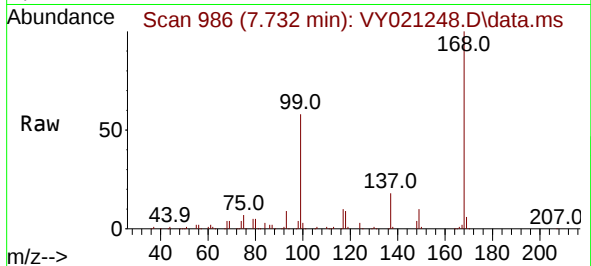




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.732 min Scan# 91
Delta R.T. 0.019 min
Lab File: VY021248.D
Acq: 20 Feb 2025 14:33

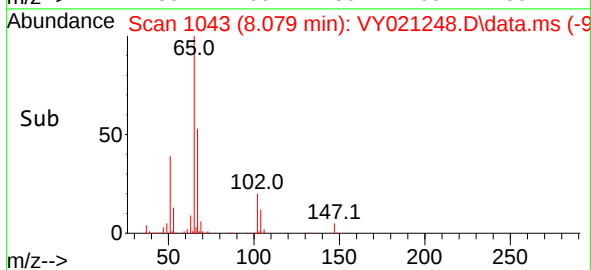
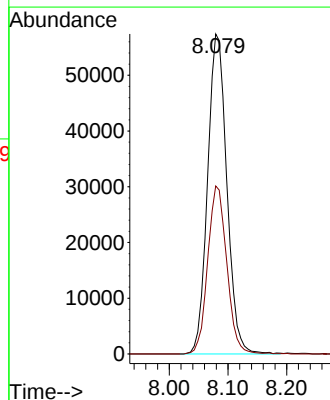
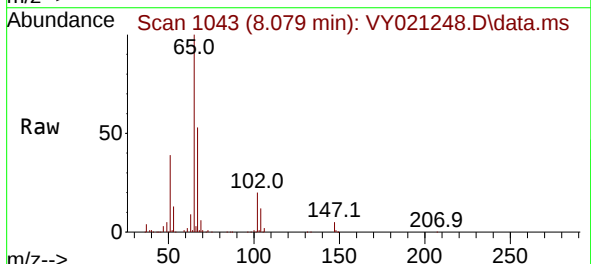
Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBL01

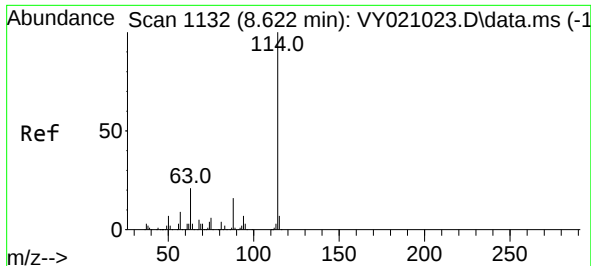
Tgt Ion:168 Resp: 230273
Ion Ratio Lower Upper
168 100
99 57.7 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 55.389 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.012 min
Lab File: VY021248.D
Acq: 20 Feb 2025 14:33

Tgt Ion: 65 Resp: 130680
Ion Ratio Lower Upper
65 100
67 52.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.634 min Scan# 1134

Delta R.T. 0.012 min

Lab File: VY021248.D

Acq: 20 Feb 2025 14:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0220SBL01

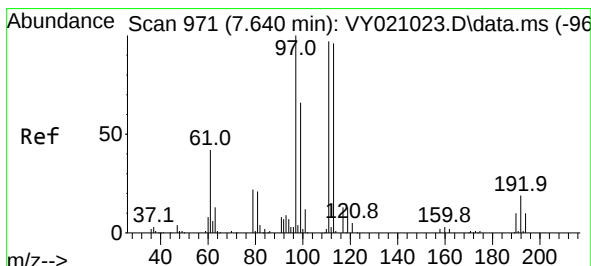
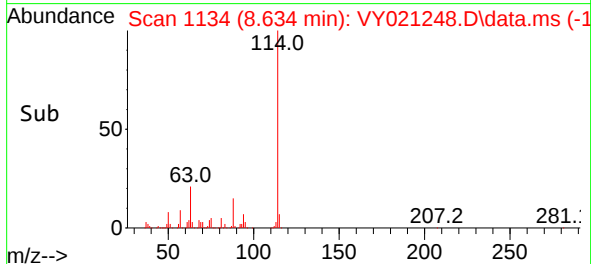
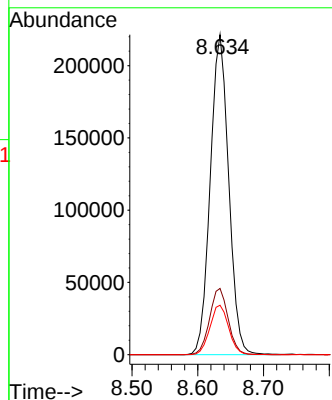
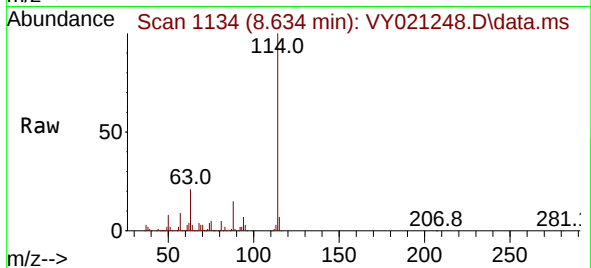
Tgt Ion:114 Resp: 431903

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

88 15.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.713 ug/l

RT: 7.658 min Scan# 974

Delta R.T. 0.018 min

Lab File: VY021248.D

Acq: 20 Feb 2025 14:33

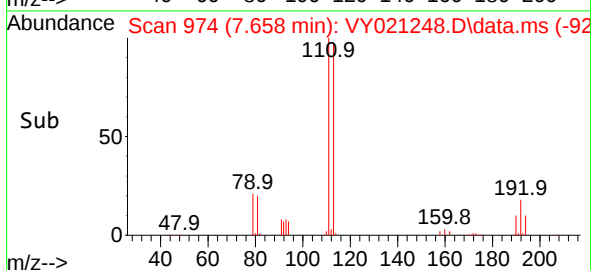
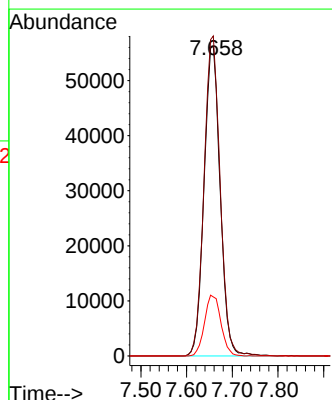
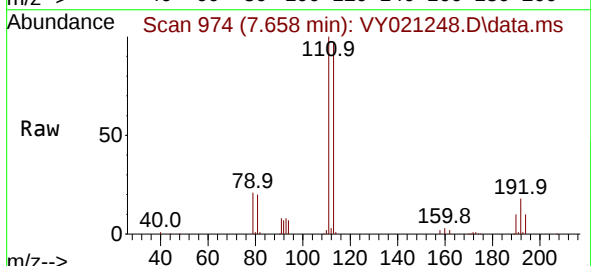
Tgt Ion:113 Resp: 137601

Ion Ratio Lower Upper

113 100

111 103.3 83.8 125.6

192 20.0 14.5 21.7

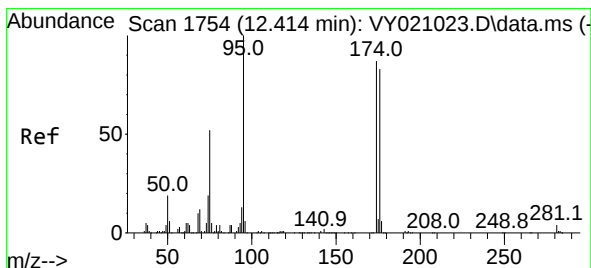
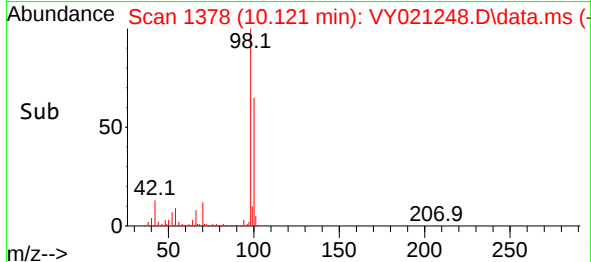
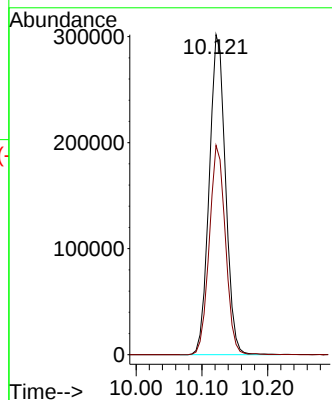
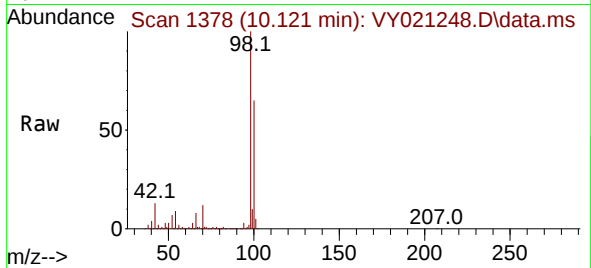




#50
Toluene-d8
Concen: 49.231 ug/l
RT: 10.121 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY021248.D
Acq: 20 Feb 2025 14:33

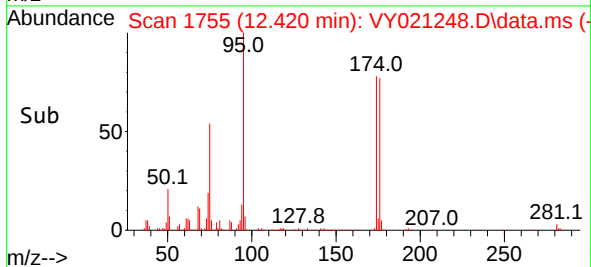
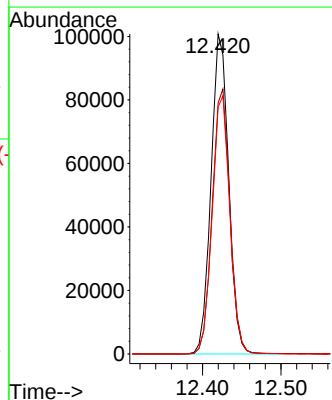
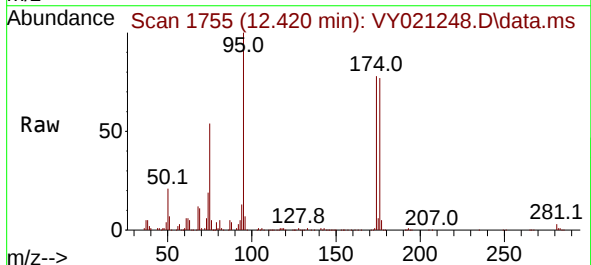
Instrument :
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VY0220SBL01

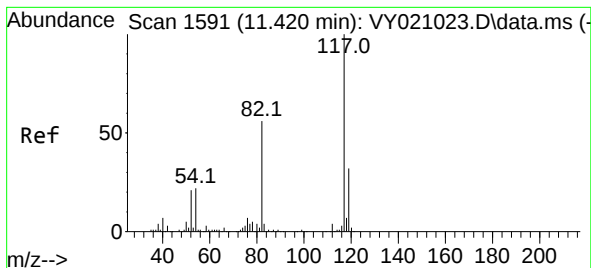
Tgt Ion: 98 Resp: 518778
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 45.649 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.006 min
Lab File: VY021248.D
Acq: 20 Feb 2025 14:33

Tgt Ion: 95 Resp: 157153
Ion Ratio Lower Upper
95 100
174 83.6 0.0 160.0
176 81.0 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.432 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY021248.D

Acq: 20 Feb 2025 14:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0220SBL01

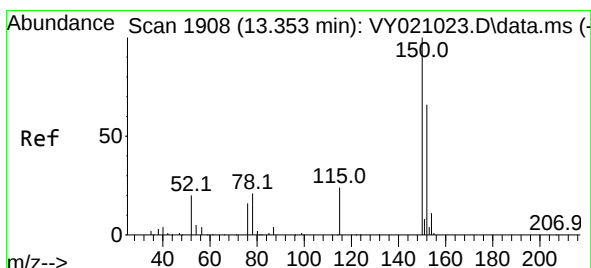
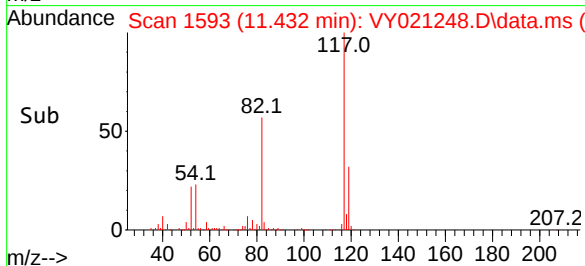
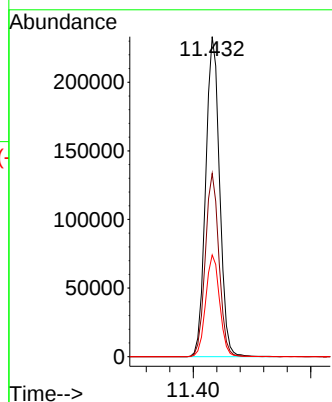
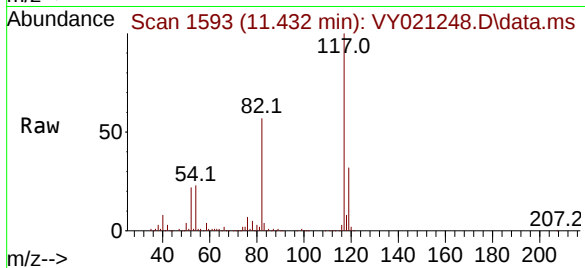
Tgt Ion:117 Resp: 384104

Ion Ratio Lower Upper

117 100

82 57.3 43.8 65.8

119 31.8 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.012 min

Lab File: VY021248.D

Acq: 20 Feb 2025 14:33

Tgt Ion:152 Resp: 134037

Ion Ratio Lower Upper

152 100

115 58.3 30.0 90.0

150 156.8 0.0 344.6

