

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022364.D
 Acq On : 21 May 2025 13:57
 Operator : SY/MD
 Sample : Q2097-09
 Misc : 5.71g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-290

Quant Time: May 22 00:09:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	245405	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	439222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	348402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	128978	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	122914	45.828	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.660%
35) Dibromofluoromethane	7.646	113	127620	48.681	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.360%
50) Toluene-d8	10.109	98	526341	49.023	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.040%
62) 4-Bromofluorobenzene	12.408	95	131557	38.657	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.320%

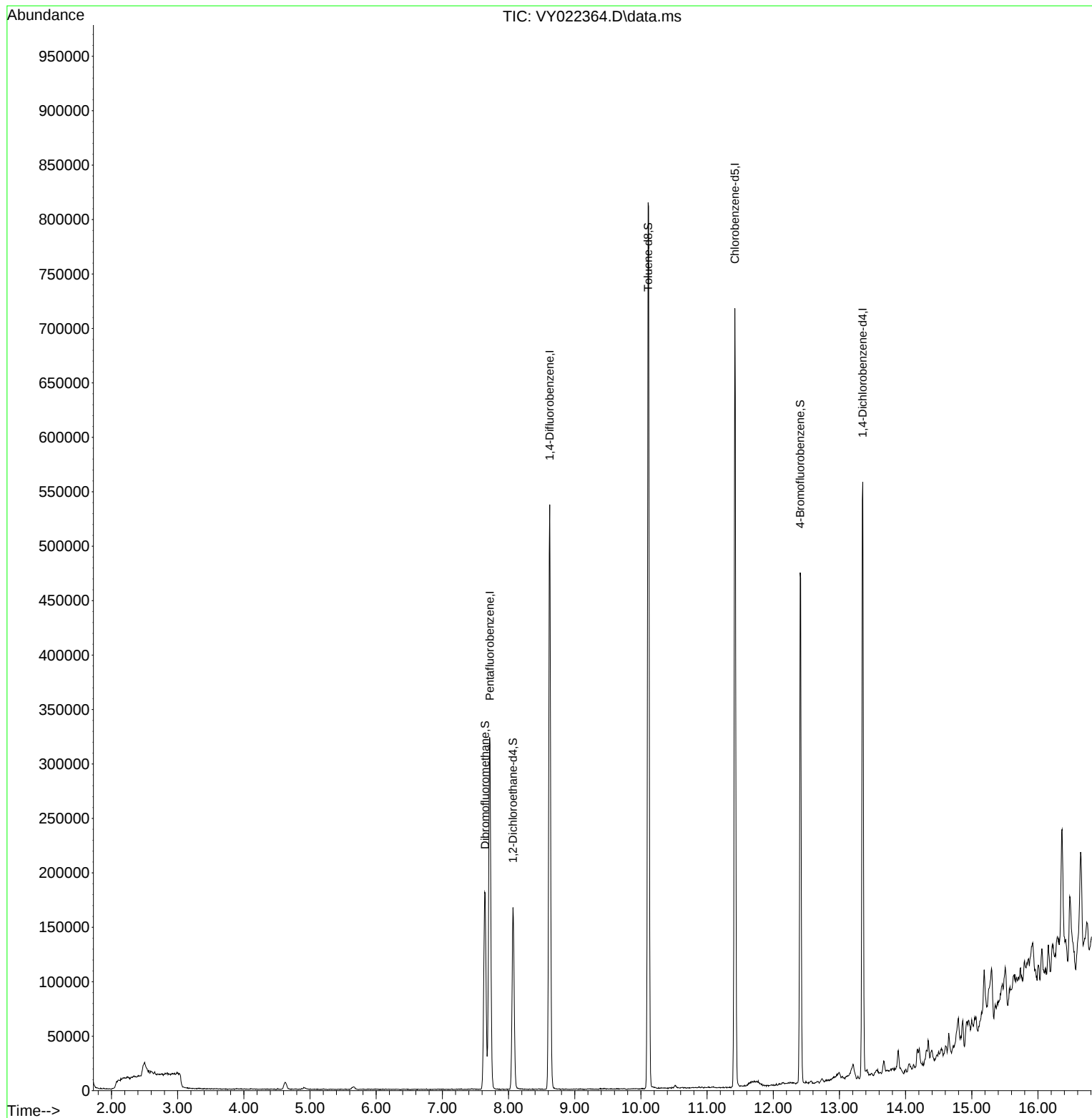
Target Compounds	Qvalue

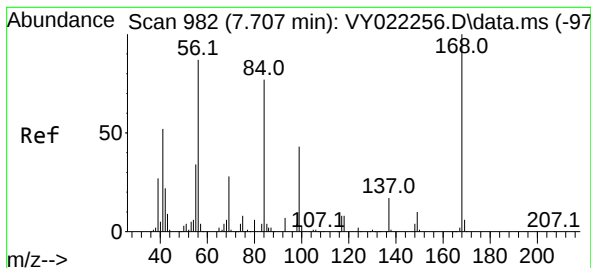
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.719 min Scan# 982

Delta R.T. 0.012 min

Lab File: VY022364.D

Acq: 21 May 2025 13:57

Instrument :

MSVOA_Y

ClientSampleId :

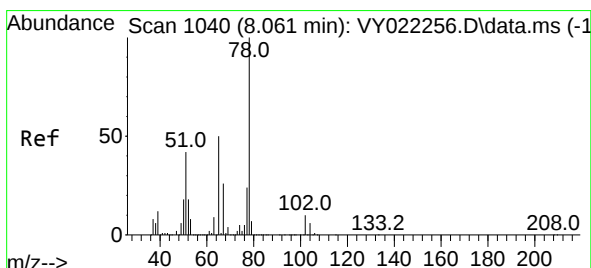
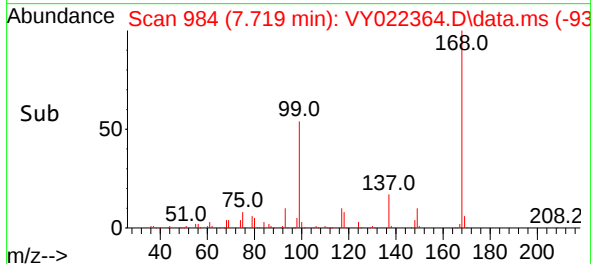
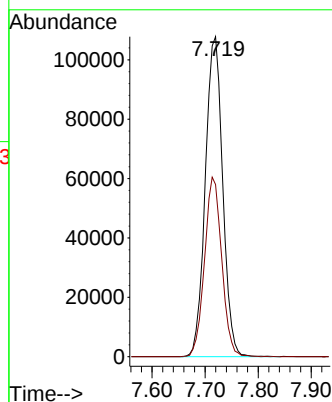
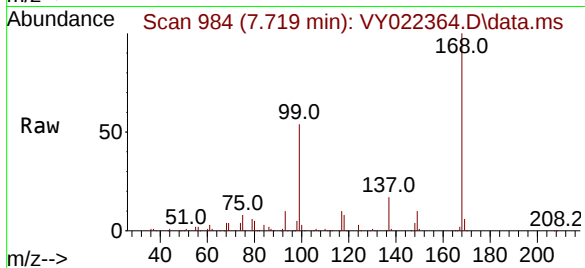
ETGI-290

Tgt Ion:168 Resp: 245405

Ion Ratio Lower Upper

168 100

99 53.8 44.2 66.4



#33

1,2-Dichloroethane-d4

Concen: 45.828 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY022364.D

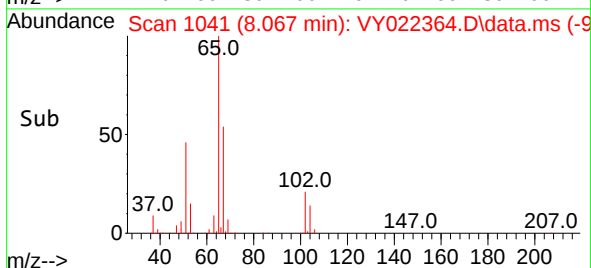
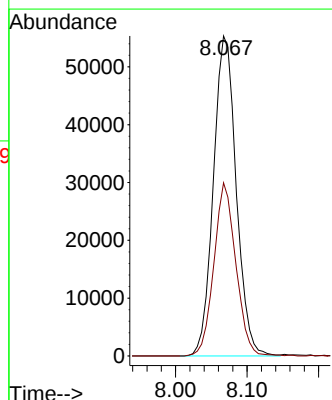
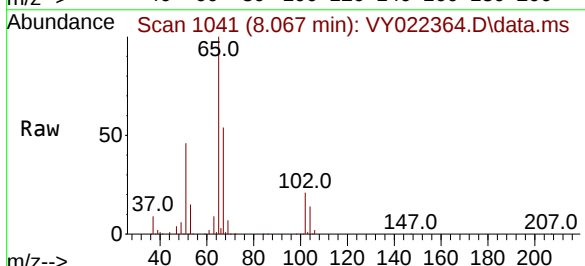
Acq: 21 May 2025 13:57

Tgt Ion: 65 Resp: 122914

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022364.D

Acq: 21 May 2025 13:57

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-290

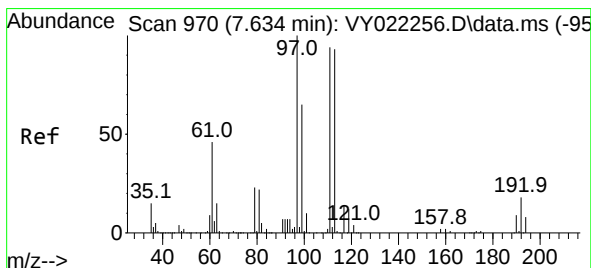
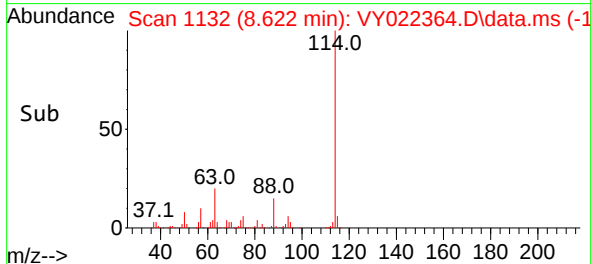
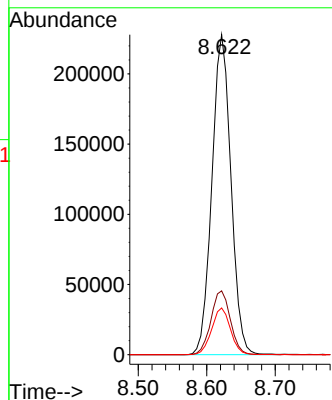
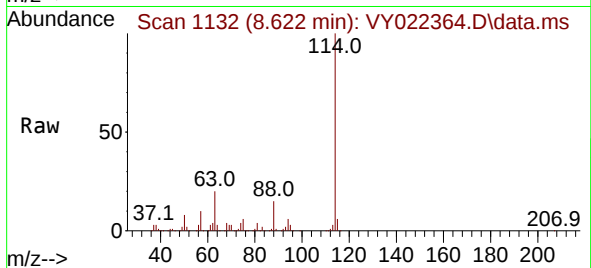
Tgt Ion:114 Resp: 439222

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.0

88 14.6 0.0 29.4



#35

Dibromofluoromethane

Concen: 48.681 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY022364.D

Acq: 21 May 2025 13:57

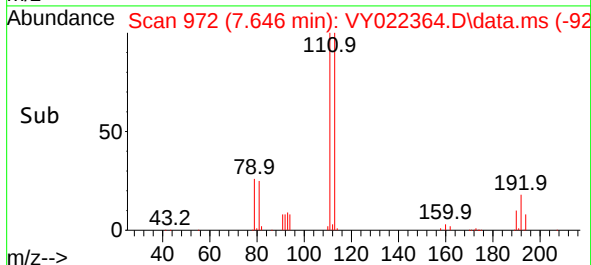
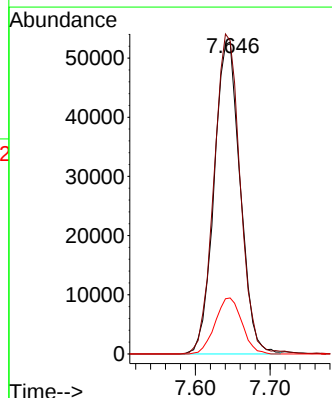
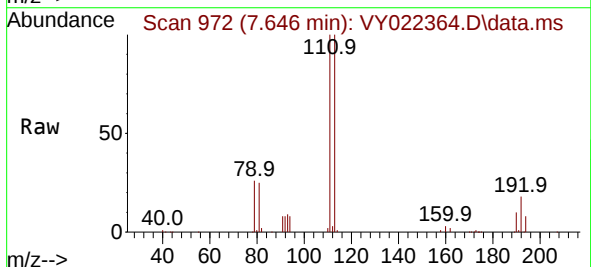
Tgt Ion:113 Resp: 127620

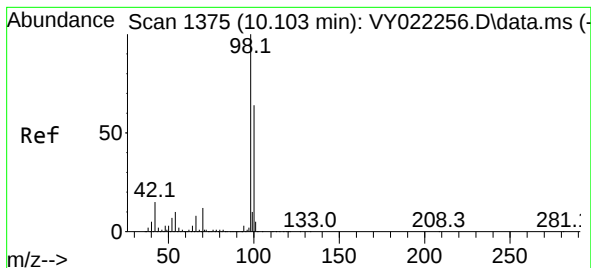
Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 18.4 15.2 22.8

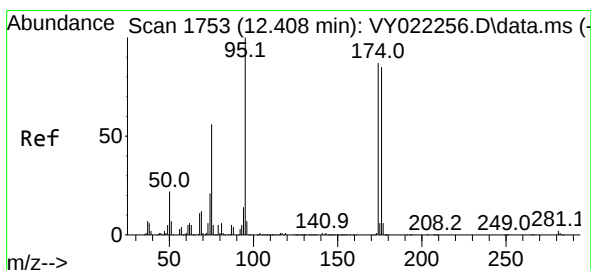
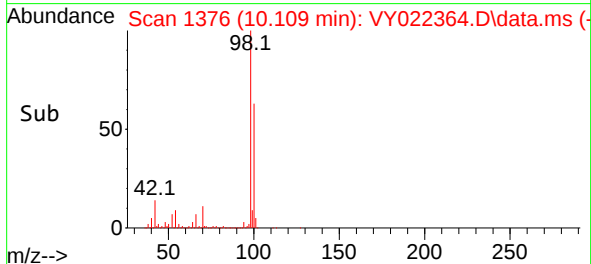
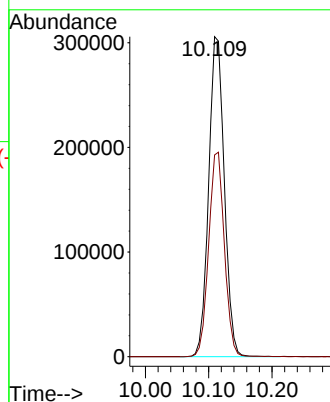
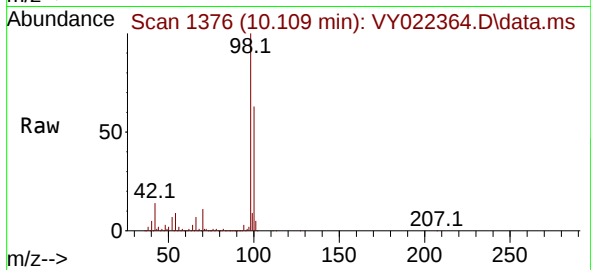




#50
Toluene-d8
Concen: 49.023 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022364.D
Acq: 21 May 2025 13:57

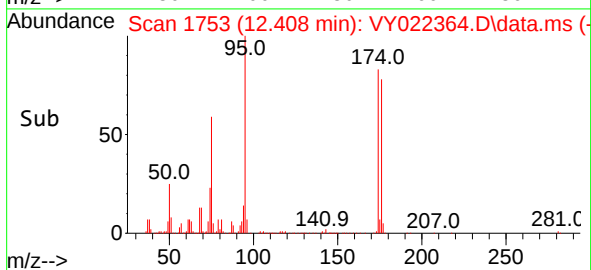
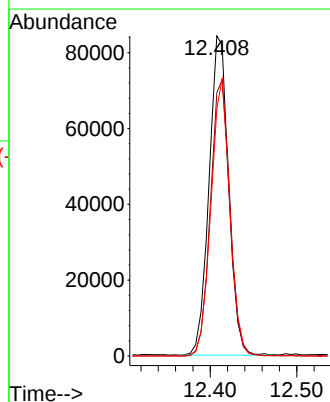
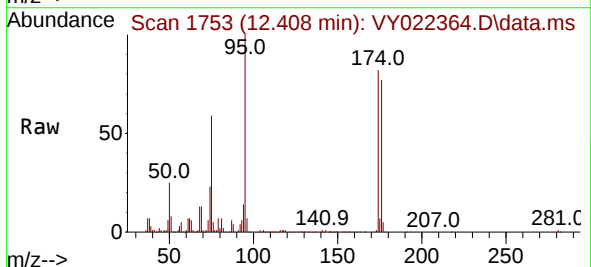
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ETGI-290

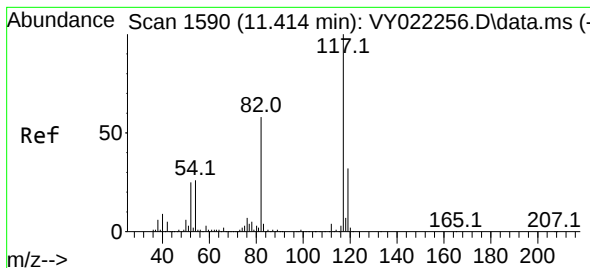
Tgt Ion: 98 Resp: 526341
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 38.657 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022364.D
Acq: 21 May 2025 13:57

Tgt Ion: 95 Resp: 131557
Ion Ratio Lower Upper
95 100
174 86.3 0.0 166.8
176 83.6 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022364.D

Acq: 21 May 2025 13:57

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-290

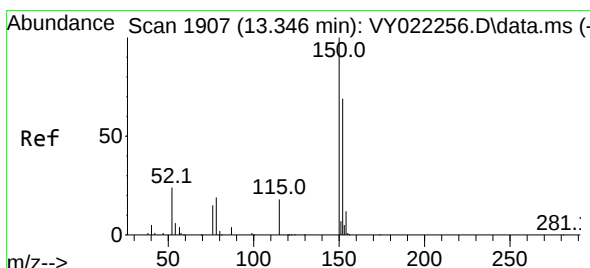
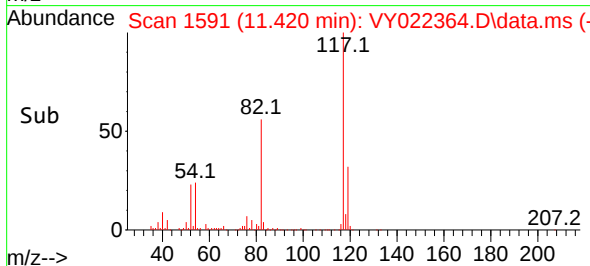
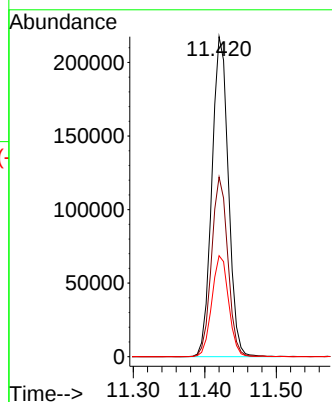
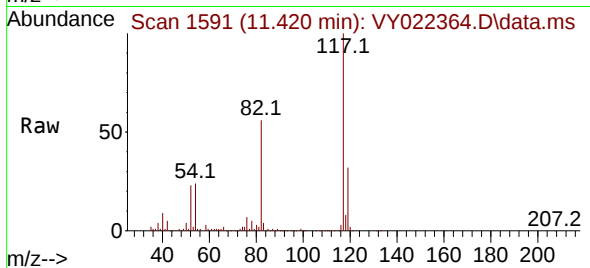
Tgt Ion:117 Resp: 348402

Ion Ratio Lower Upper

117 100

82 56.1 46.6 70.0

119 31.5 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022364.D

Acq: 21 May 2025 13:57

Tgt Ion:152 Resp: 128978

Ion Ratio Lower Upper

152 100

115 57.3 29.4 88.2

150 155.2 0.0 353.8

