

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021364.D
 Acq On : 27 Feb 2025 17:32
 Operator : SY/MD
 Sample : Q1411-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-02-02212025

Quant Time: Feb 28 00:43:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	6638	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.610	114	8564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	5740	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	1191	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	3259	43.279	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.560%
35) Dibromofluoromethane	7.634	113	3295	58.686	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.380%
50) Toluene-d8	10.109	98	9210	42.444	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.880%
62) 4-Bromofluorobenzene	12.408	95	1741	23.841	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	47.680%

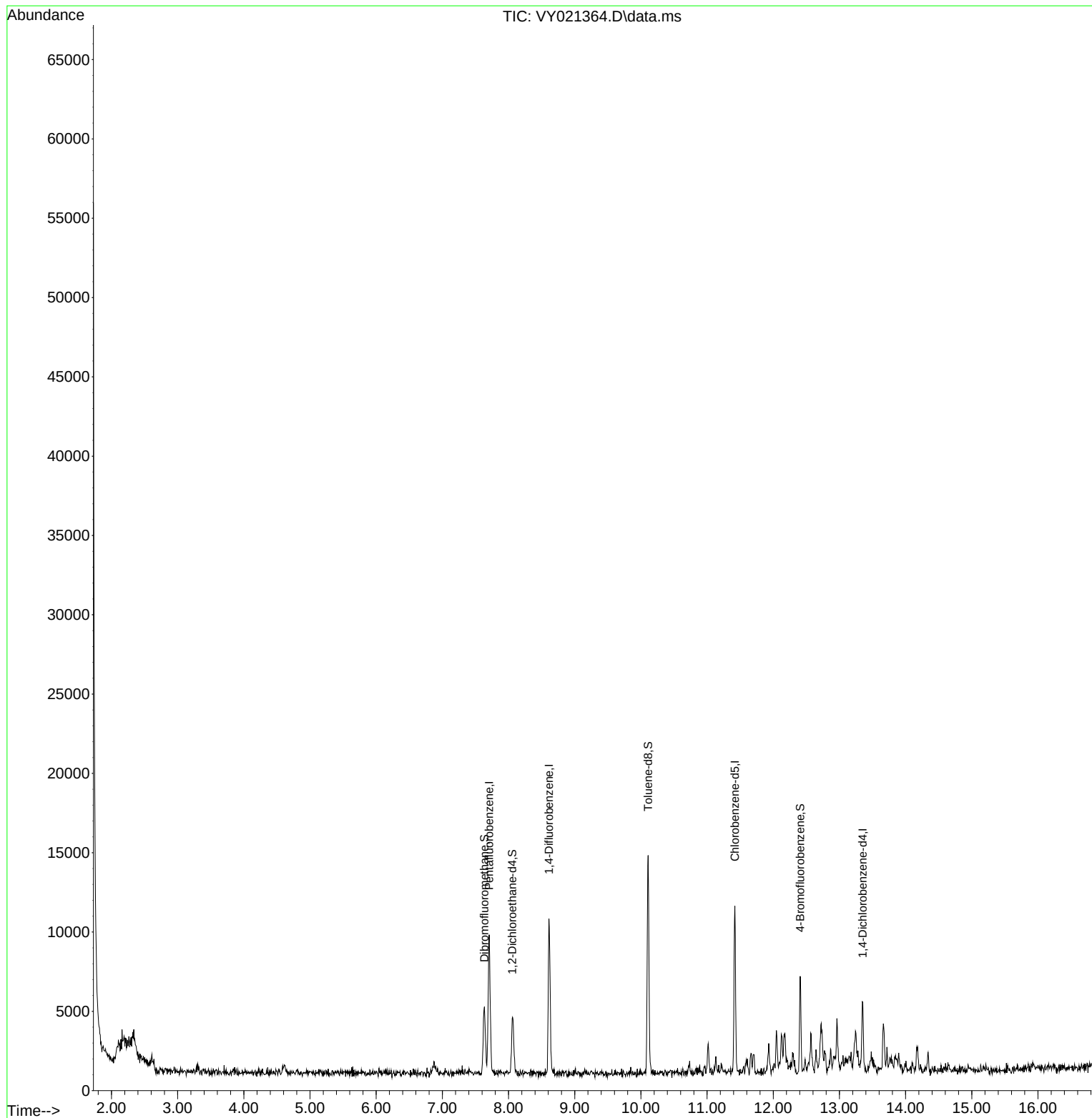
Target Compounds	Qvalue

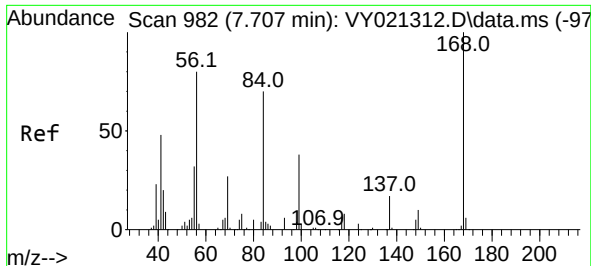
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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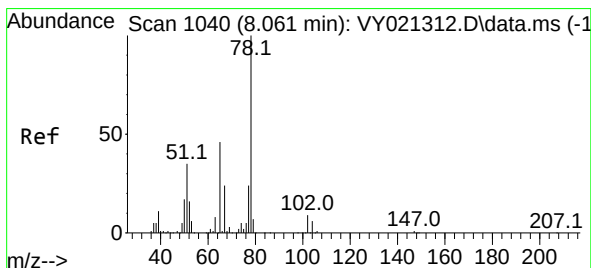
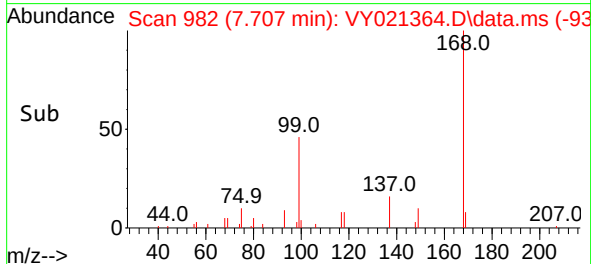
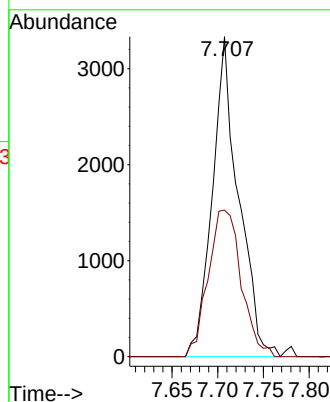
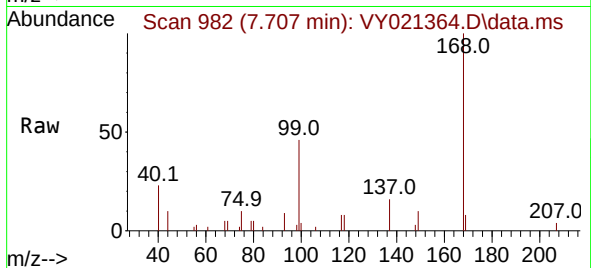




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021364.D
Acq: 27 Feb 2025 17:32

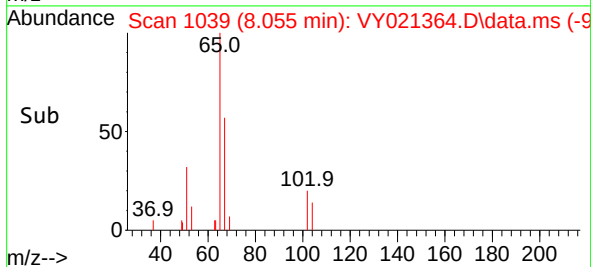
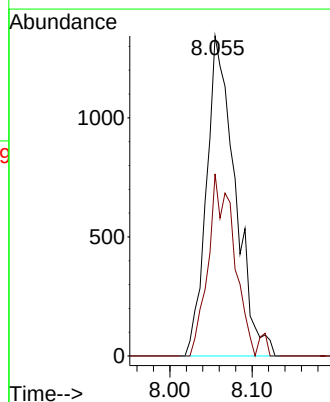
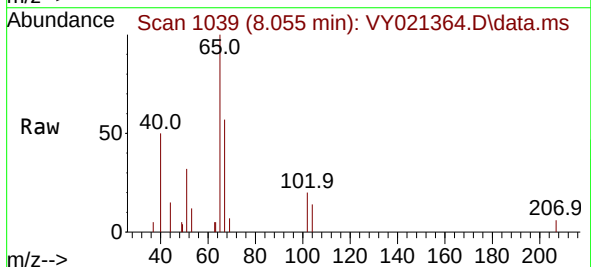
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-02212025

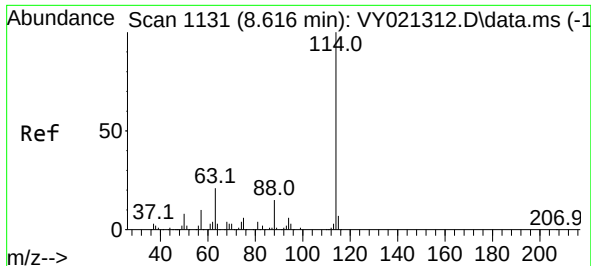
Tgt Ion:168 Resp: 6638
Ion Ratio Lower Upper
168 100
99 45.8 47.1 70.7#



#33
1,2-Dichloroethane-d4
Concen: 43.279 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY021364.D
Acq: 27 Feb 2025 17:32

Tgt Ion: 65 Resp: 3259
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021364.D

Acq: 27 Feb 2025 17:32

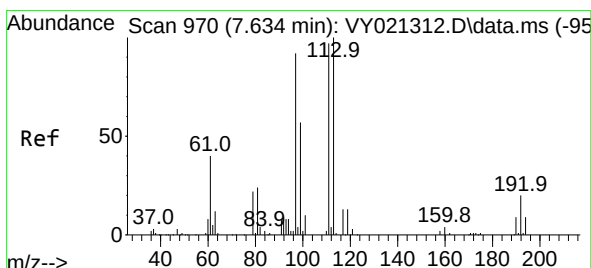
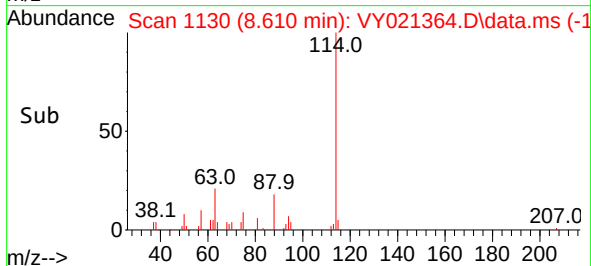
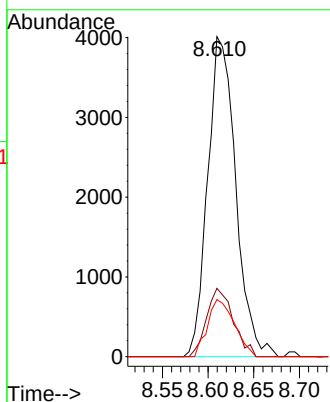
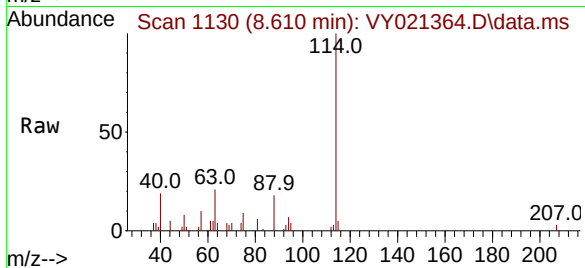
Instrument :

MSVOA_Y

ClientSampleId :

HR-02-02212025

Tgt Ion:114	Resp:	8564
Ion	Ratio	Lower Upper
114	100	
63	21.3	0.0 42.2
88	17.8	0.0 29.8



#35

Dibromofluoromethane

Concen: 58.686 ug/l

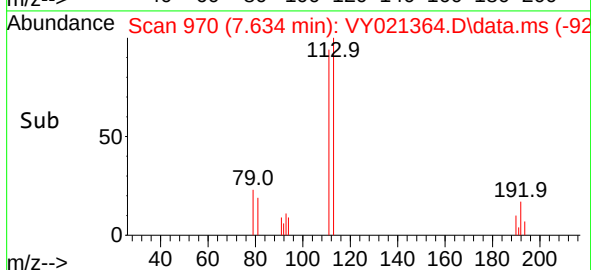
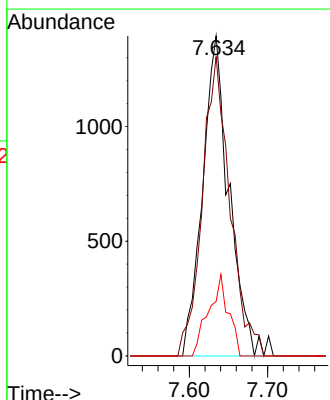
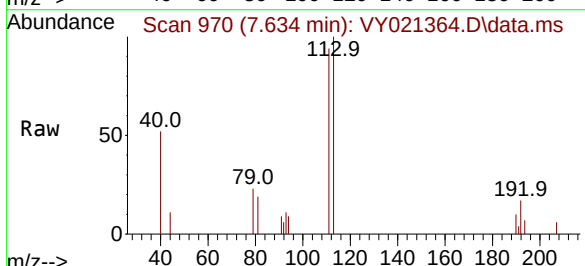
RT: 7.634 min Scan# 970

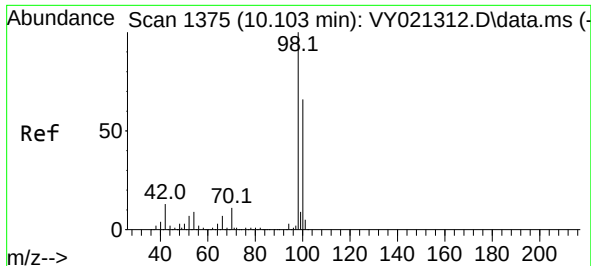
Delta R.T. 0.000 min

Lab File: VY021364.D

Acq: 27 Feb 2025 17:32

Tgt Ion:113	Resp:	3295
Ion	Ratio	Lower Upper
113	100	
111	97.3	81.0 121.6
192	18.8	15.8 23.8

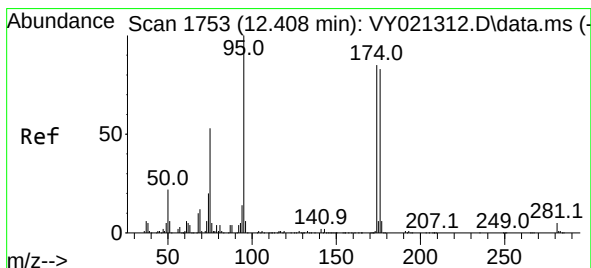
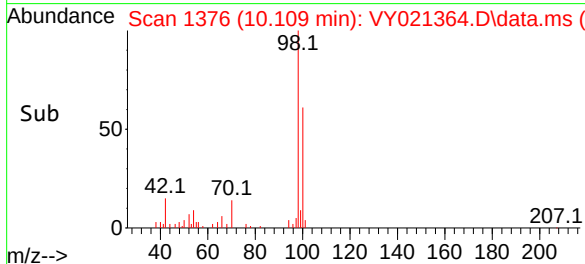
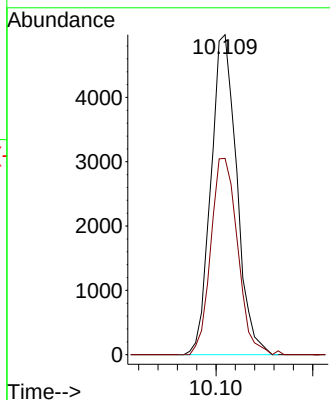
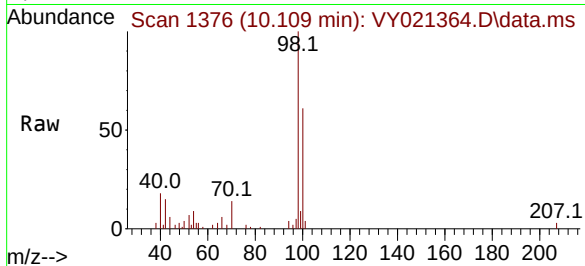




#50
Toluene-d8
Concen: 42.444 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021364.D
Acq: 27 Feb 2025 17:32

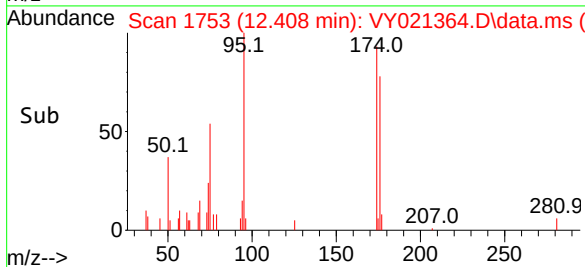
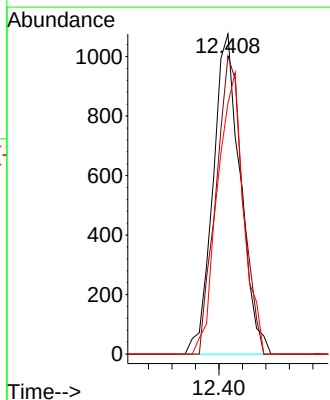
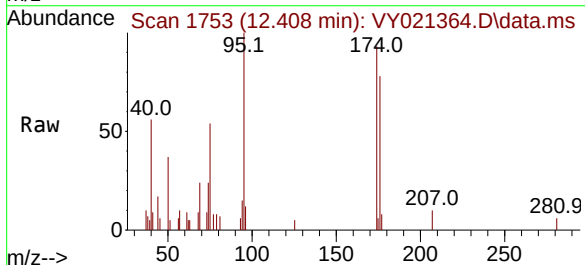
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-02212025

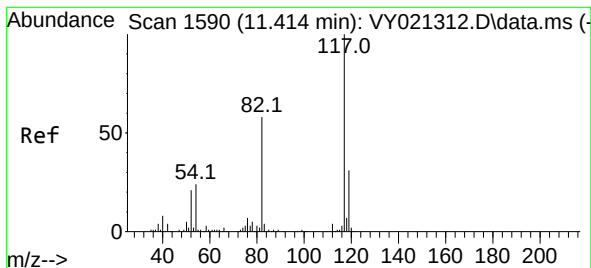
Tgt Ion: 98 Resp: 9210
Ion Ratio Lower Upper
98 100
100 63.9 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 23.841 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021364.D
Acq: 27 Feb 2025 17:32

Tgt Ion: 95 Resp: 1741
Ion Ratio Lower Upper
95 100
174 90.9 0.0 168.0
176 84.0 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021364.D

Acq: 27 Feb 2025 17:32

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-02212025

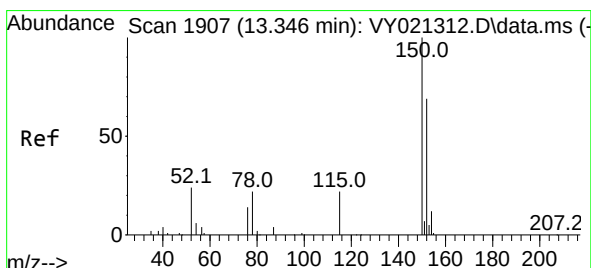
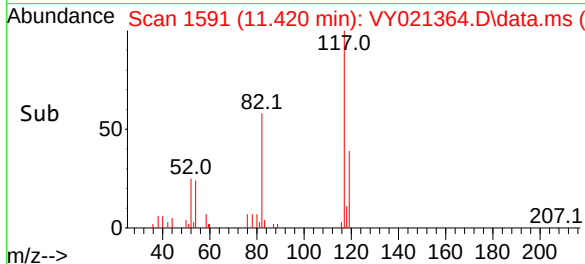
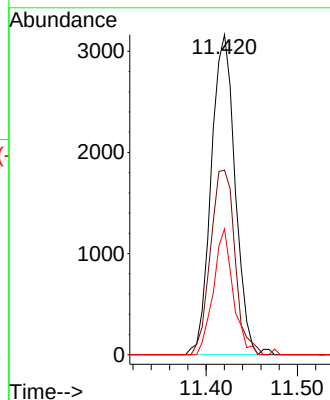
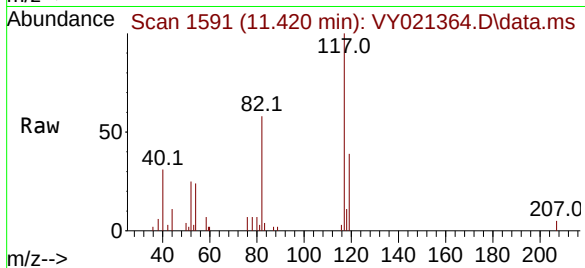
Tgt Ion:117 Resp: 5740

Ion Ratio Lower Upper

117 100

82 57.7 46.2 69.4

119 39.3 24.9 37.3#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021364.D

Acq: 27 Feb 2025 17:32

Tgt Ion:152 Resp: 1191

Ion Ratio Lower Upper

152 100

115 66.2 29.3 88.0

150 157.4 0.0 347.4

