

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032525\
 Data File : VY021638.D
 Acq On : 25 Mar 2025 16:09
 Operator : SY/MD
 Sample : Q1634-03
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-04-032425

Quant Time: Mar 26 01:37:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	15108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	17156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	11722	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	2461	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	5445	34.099	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	68.200%
35) Dibromofluoromethane	7.628	113	5696	50.510	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.020%
50) Toluene-d8	10.109	98	19737	46.225	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.440%
62) 4-Bromofluorobenzene	12.408	95	3090	21.275	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	42.560%

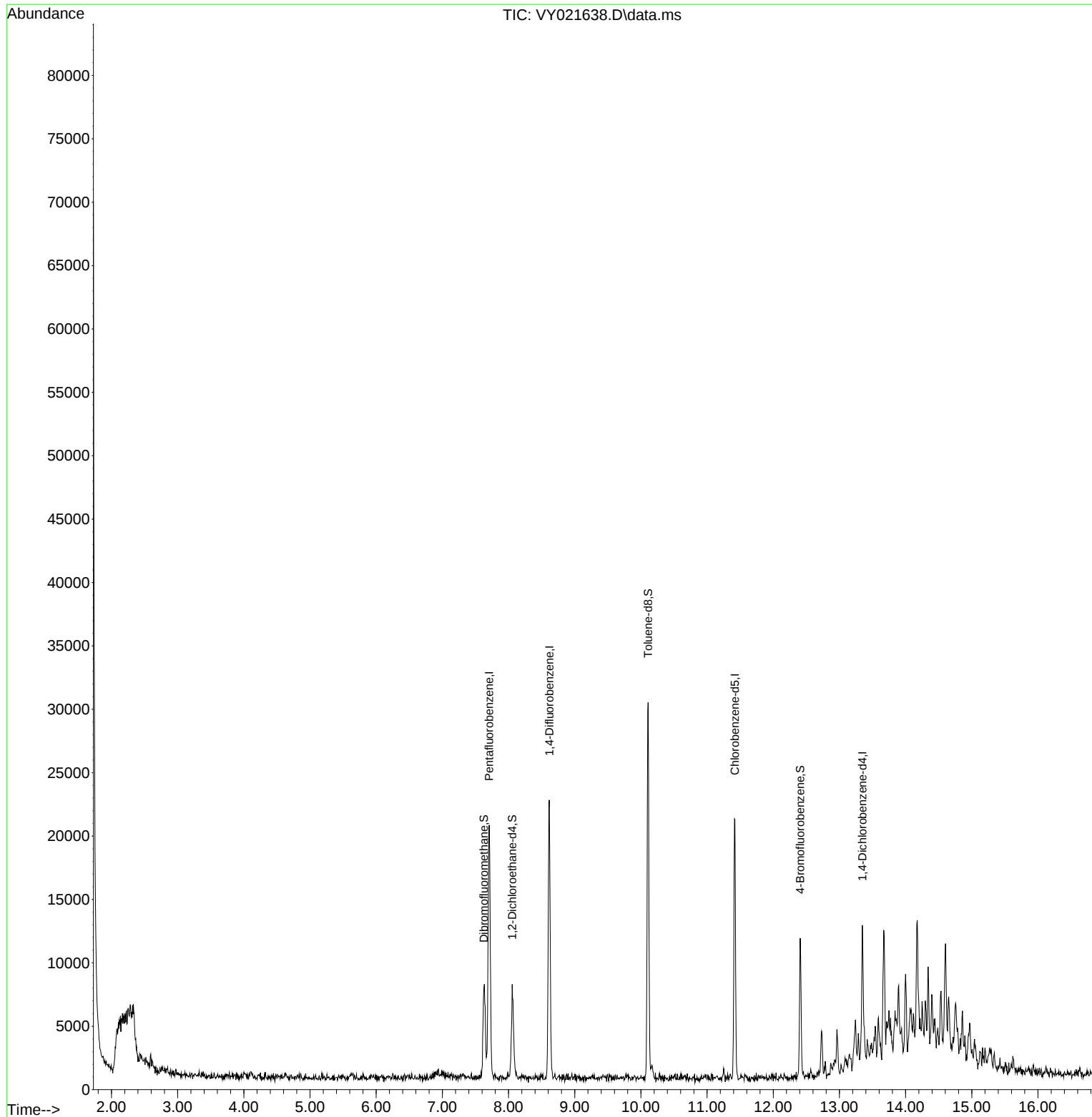
Target Compounds	Qvalue

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

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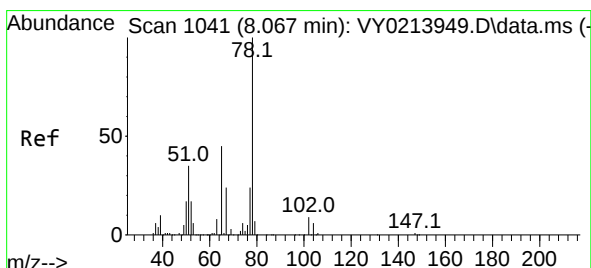
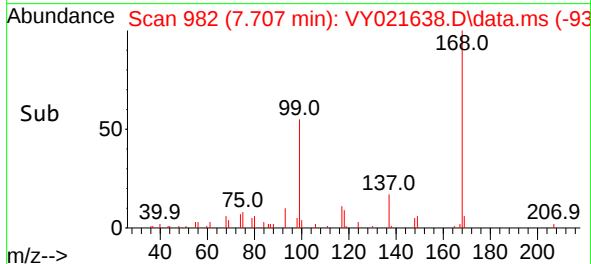
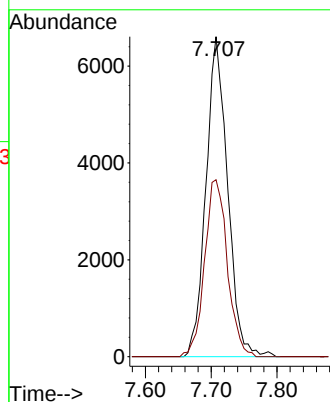
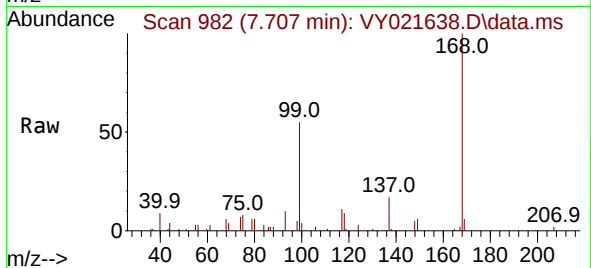




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021638.D
Acq: 25 Mar 2025 16:09

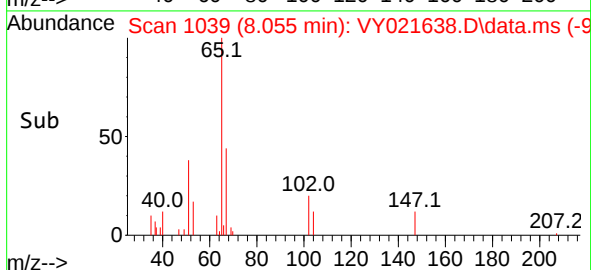
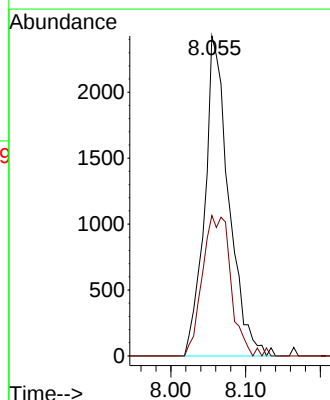
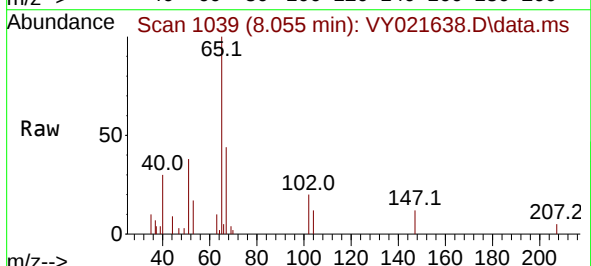
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-032425

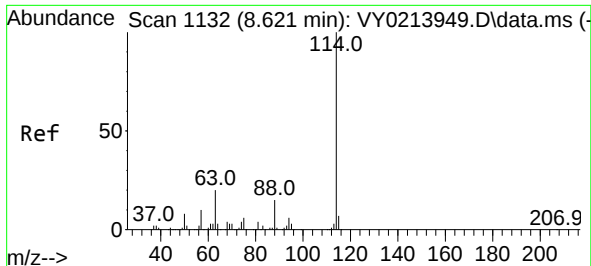
Tgt Ion:168 Resp: 15108
Ion Ratio Lower Upper
168 100
99 55.3 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 34.099 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY021638.D
Acq: 25 Mar 2025 16:09

Tgt Ion: 65 Resp: 5445
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021638.D

Acq: 25 Mar 2025 16:09

Instrument :

MSVOA_Y

ClientSampleId :

HR-04-032425

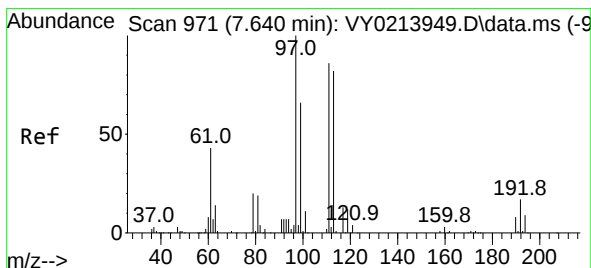
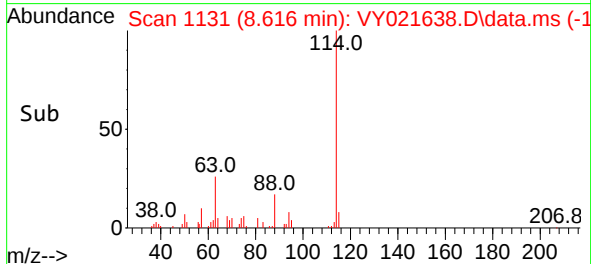
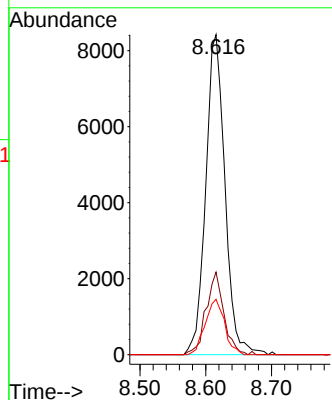
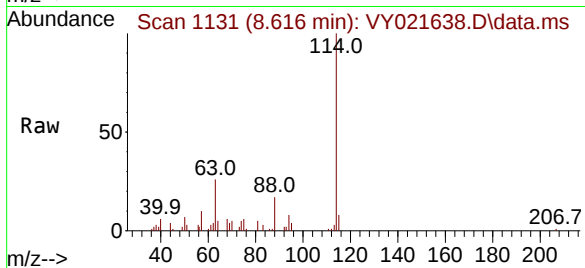
Tgt Ion:114 Resp: 17156

Ion Ratio Lower Upper

114 100

63 25.8 0.0 40.8

88 17.3 0.0 30.8



#35

Dibromofluoromethane

Concen: 50.510 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY021638.D

Acq: 25 Mar 2025 16:09

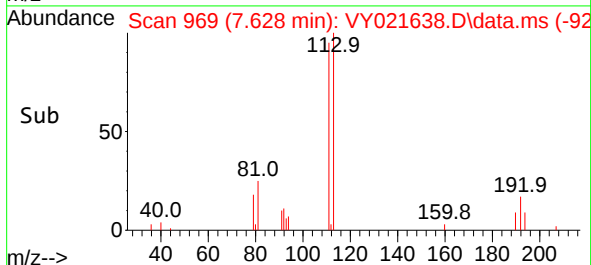
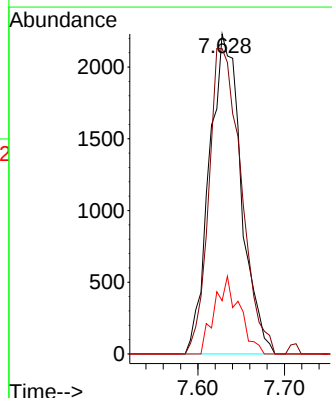
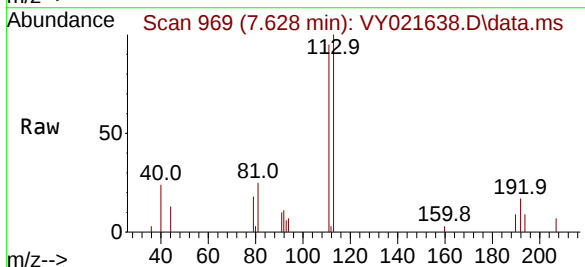
Tgt Ion:113 Resp: 5696

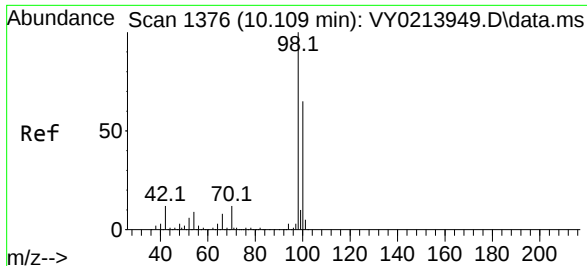
Ion Ratio Lower Upper

113 100

111 97.0 82.0 123.0

192 19.0 15.9 23.9

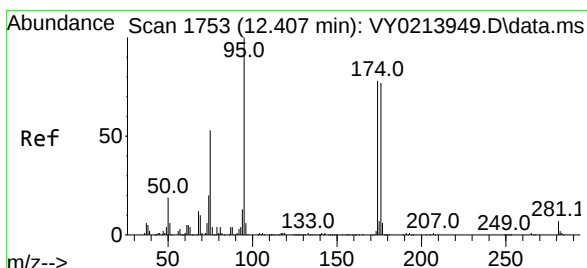
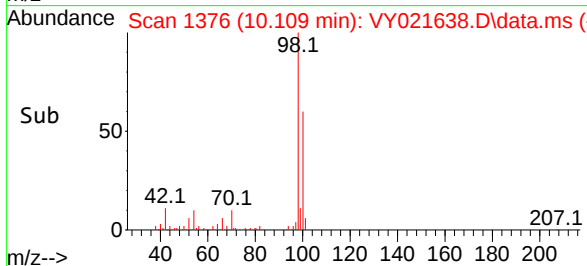
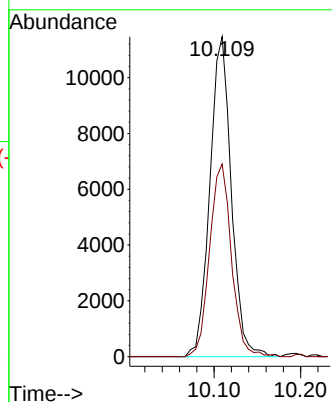
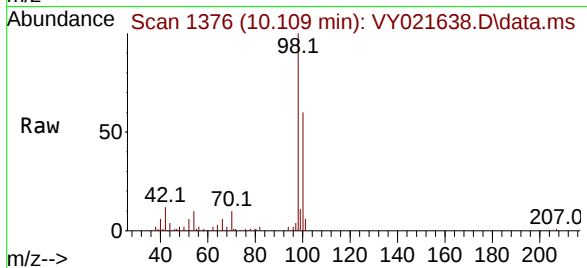




#50
Toluene-d8
Concen: 46.225 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021638.D
Acq: 25 Mar 2025 16:09

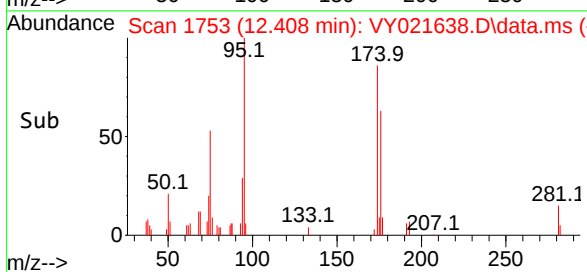
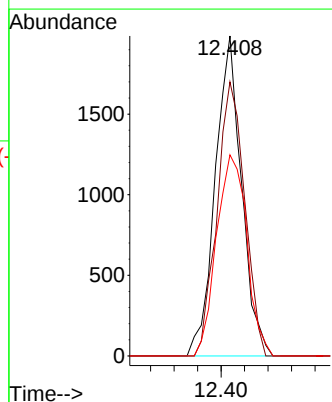
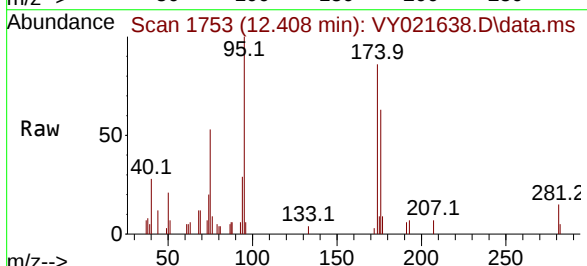
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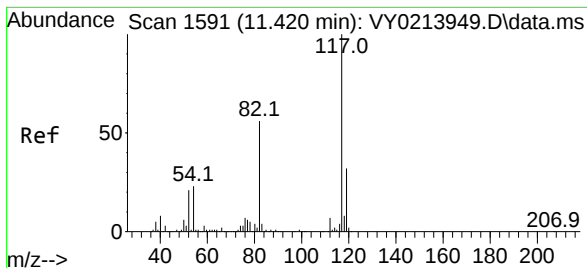
Tgt Ion: 98 Resp: 19737
Ion Ratio Lower Upper
98 100
100 61.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 21.275 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021638.D
Acq: 25 Mar 2025 16:09

Tgt Ion: 95 Resp: 3090
Ion Ratio Lower Upper
95 100
174 89.8 0.0 165.0
176 72.3 0.0 160.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11722

Delta R.T. 0.000 min

Lab File: VY021638.D

Acq: 25 Mar 2025 16:09

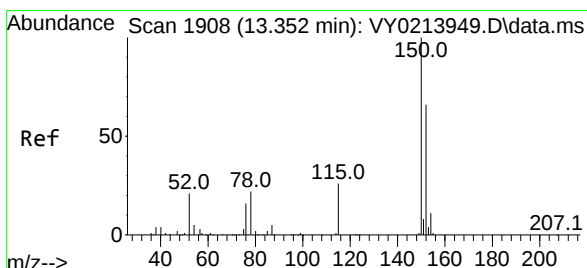
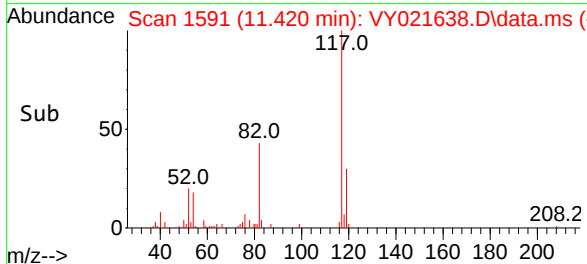
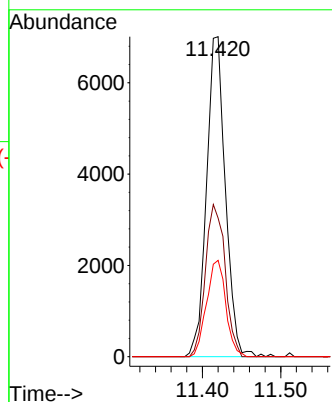
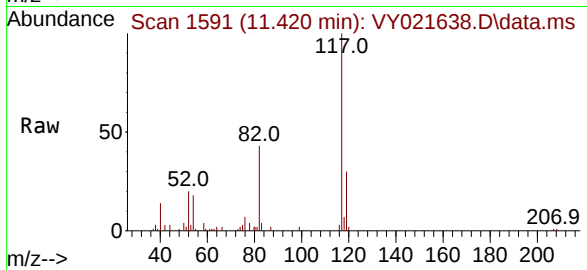
Instrument :

MSVOA_Y

ClientSampleId :

HR-04-032425

Tgt Ion	Ratio	Lower	Upper
117	100		
82	43.3	44.6	67.0#
119	30.1	25.4	38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021638.D

Acq: 25 Mar 2025 16:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.0	29.0	87.0
150	160.6	0.0	347.2

