

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011525\
 Data File : VY020838.D
 Acq On : 15 Jan 2025 17:37
 Operator : SY/MD
 Sample : Q1094-01RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11938RE

Quant Time: Jan 16 01:01:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.726	168	1411	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.622	114	2214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	857	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	362	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	846	70.541	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	141.080%
35) Dibromofluoromethane	7.646	113	919	66.256	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	132.520%
50) Toluene-d8	10.115	98	1652	34.166	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	68.340%
62) 4-Bromofluorobenzene	12.408	95	312	17.473	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	34.940%

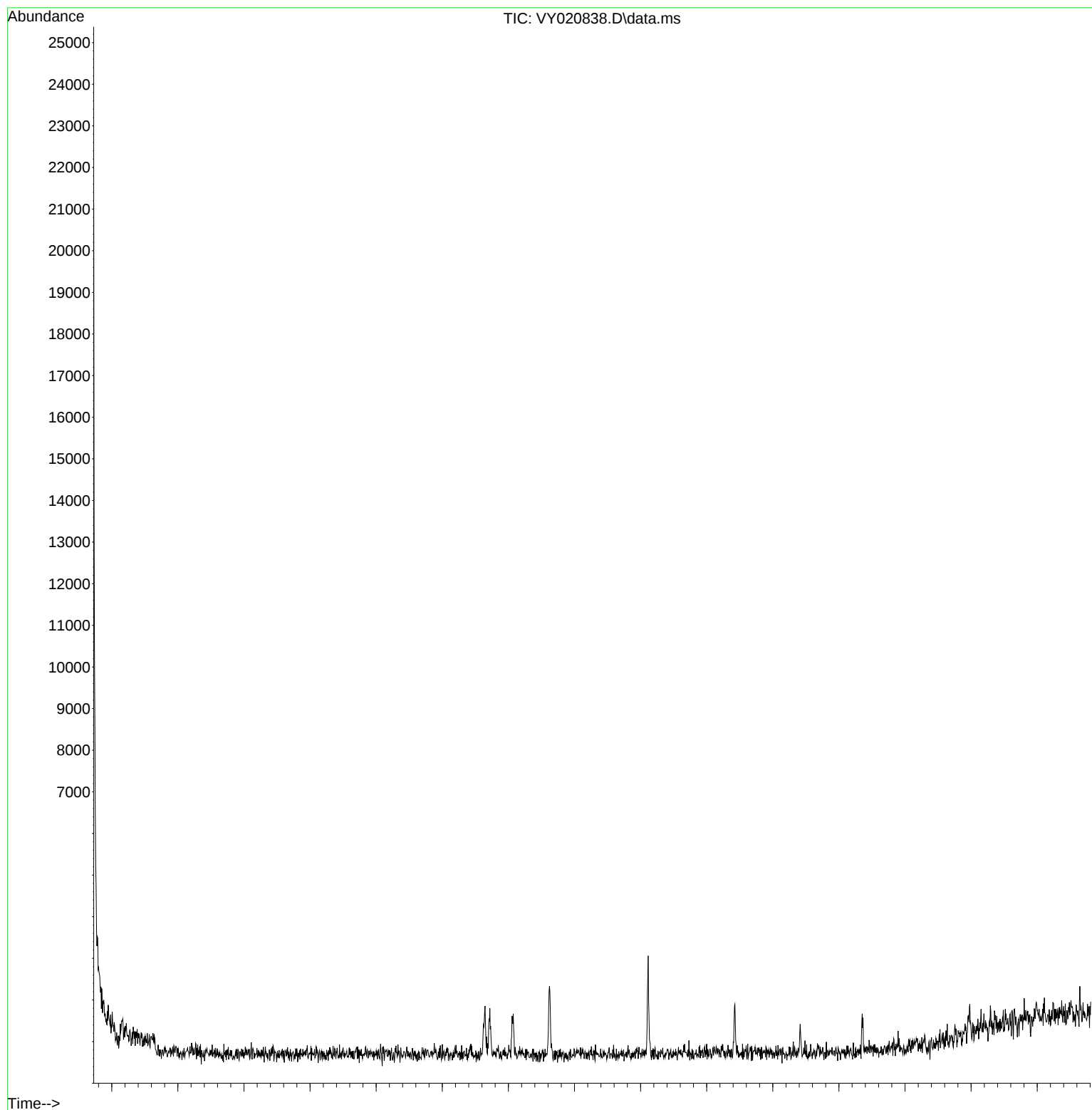
Target Compounds Qvalue

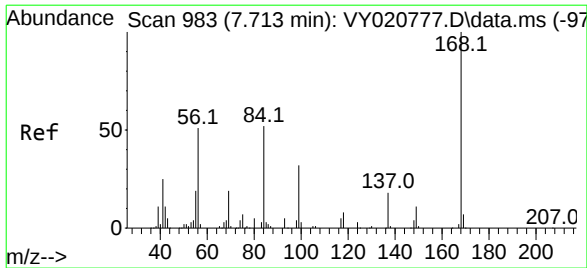
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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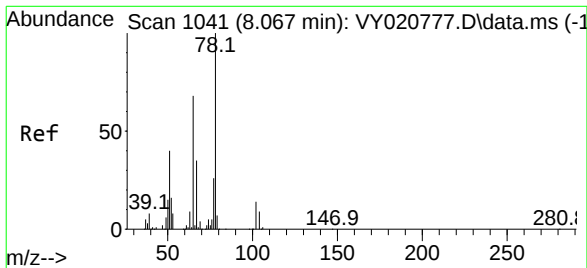
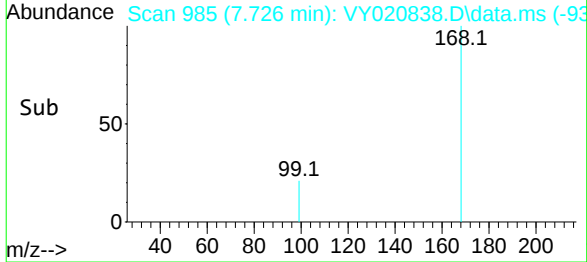
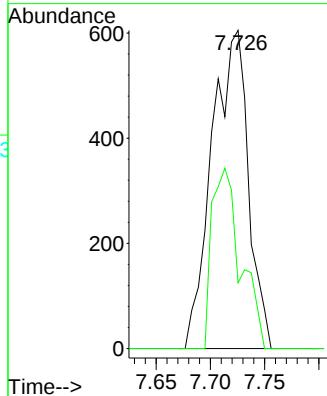
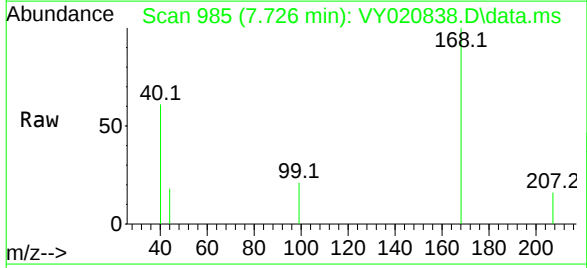




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.726 min Scan# 98
Delta R.T. 0.013 min
Lab File: VY020838.D
Acq: 15 Jan 2025 17:37

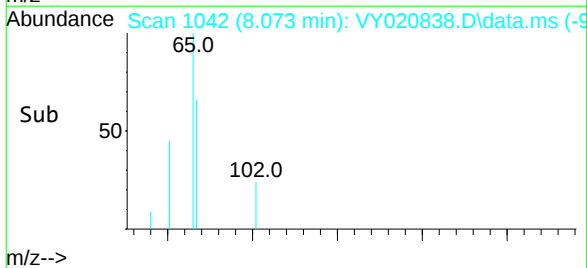
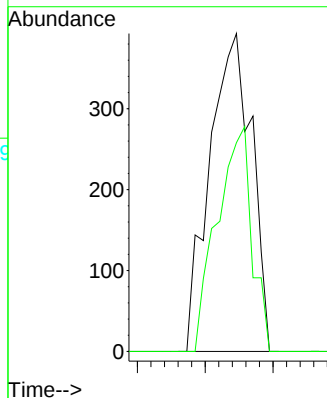
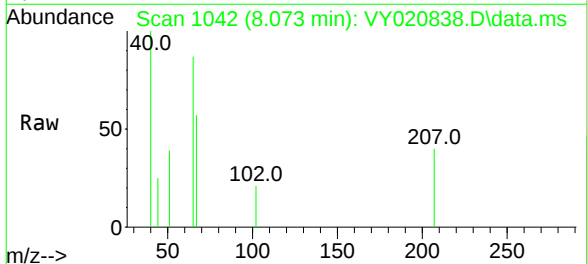
Instrument :
MSVOA_Y
ClientSampleId :
72-11938RE

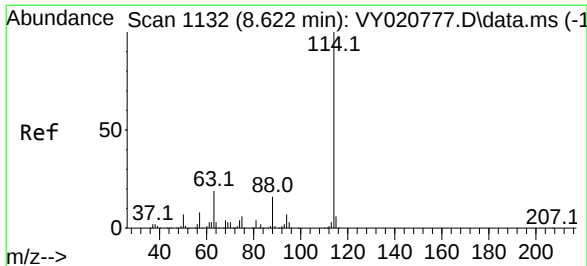
Tgt Ion:168 Resp: 1411
Ion Ratio Lower Upper
168 100
99 20.7 44.3 66.5#



#33
1,2-Dichloroethane-d4
Concen: 70.541 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY020838.D
Acq: 15 Jan 2025 17:37

Tgt Ion: 65 Resp: 846
Ion Ratio Lower Upper
65 100
67 58.3 0.0 102.8

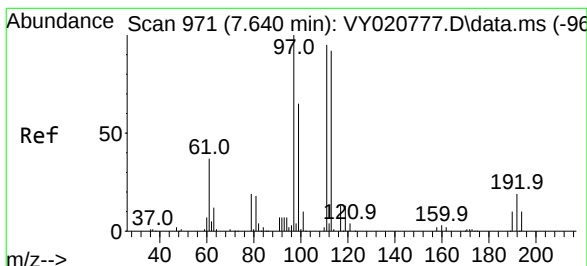
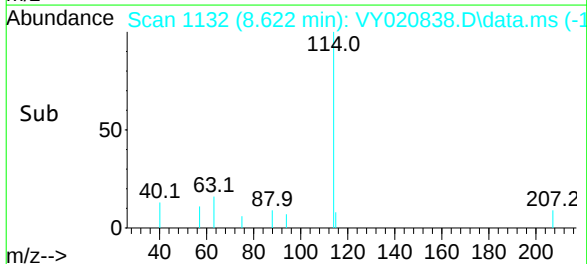
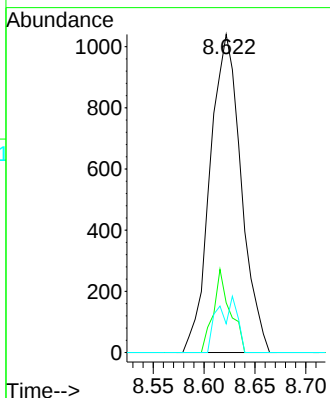
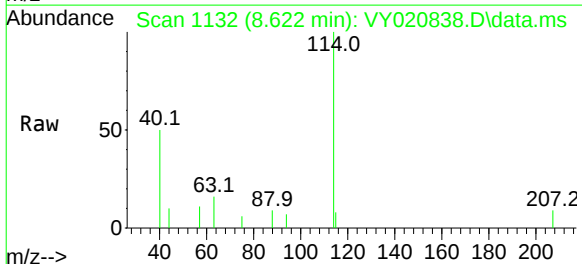




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY020838.D
Acq: 15 Jan 2025 17:37

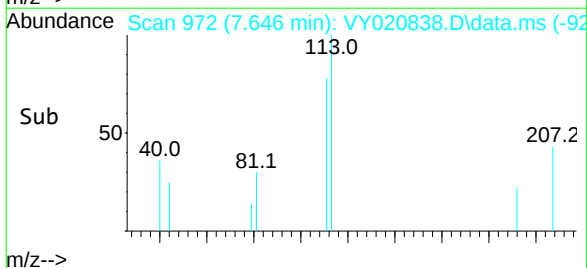
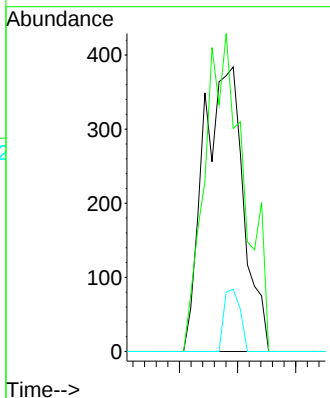
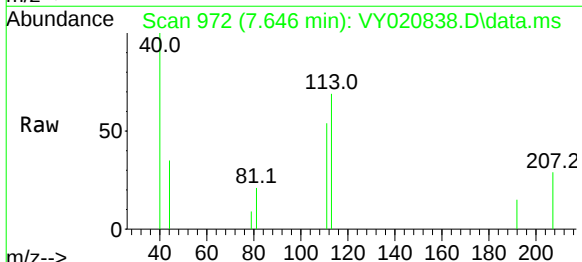
Instrument :
MSVOA_Y
ClientSampleId :
72-11938RE

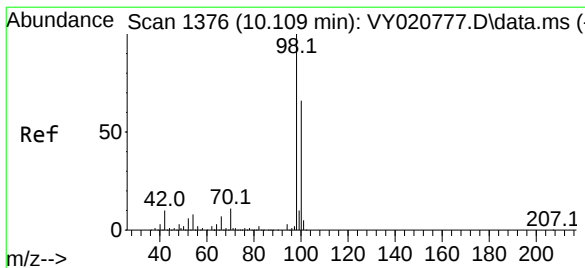
Tgt Ion:	114	Resp:	2214
Ion	Ratio	Lower	Upper
114	100		
63	15.7	0.0	38.4
88	9.0	0.0	31.2



#35
Dibromofluoromethane
Concen: 66.256 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY020838.D
Acq: 15 Jan 2025 17:37

Tgt Ion:	113	Resp:	919
Ion	Ratio	Lower	Upper
113	100		
111	109.0	81.7	122.5
192	8.8	16.7	25.1





#50

Toluene-d8

Concen: 34.166 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY020838.D

Acq: 15 Jan 2025 17:37

Instrument :

MSVOA_Y

ClientSampleId :

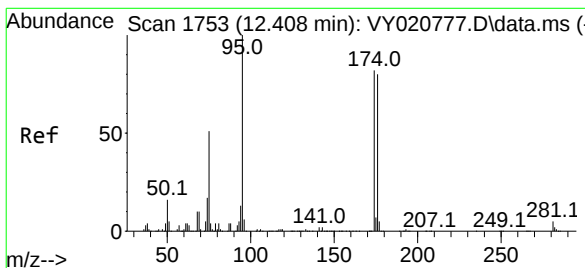
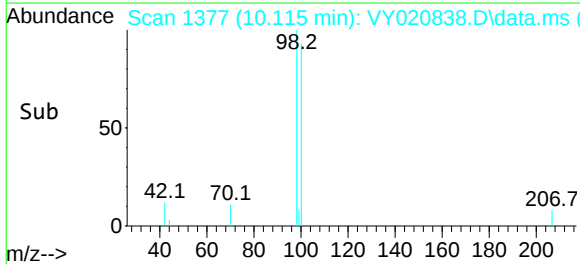
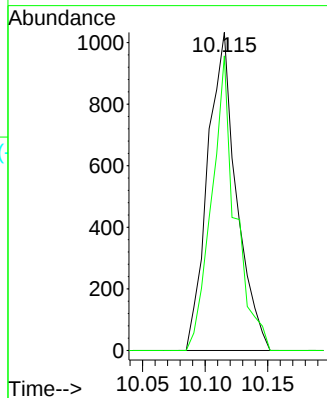
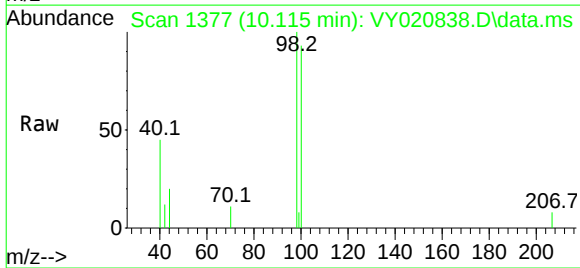
72-11938RE

Tgt Ion: 98 Resp: 1652

Ion Ratio Lower Upper

98 100

100 76.9 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 17.473 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020838.D

Acq: 15 Jan 2025 17:37

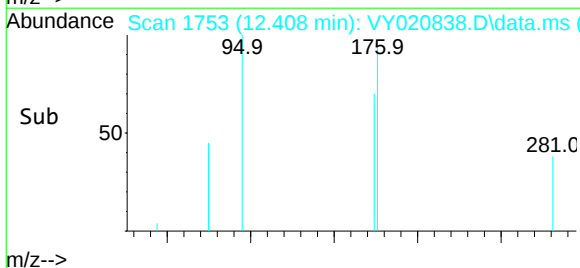
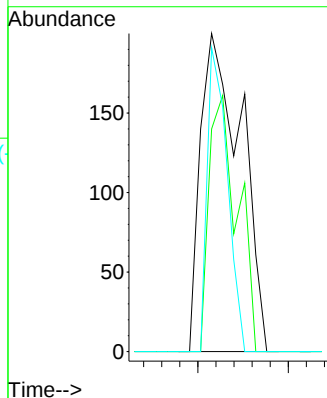
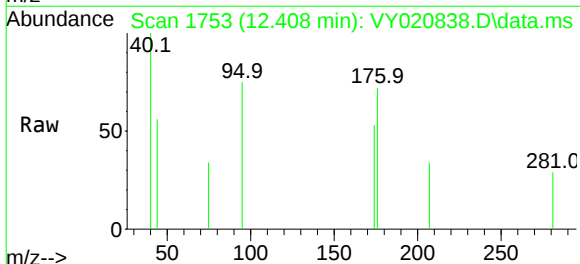
Tgt Ion: 95 Resp: 312

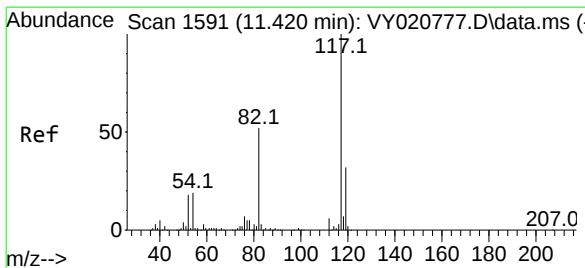
Ion Ratio Lower Upper

95 100

174 56.4 0.0 178.0

176 47.1 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY020838.D

Acq: 15 Jan 2025 17:37

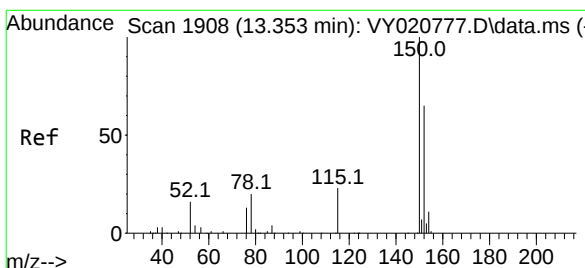
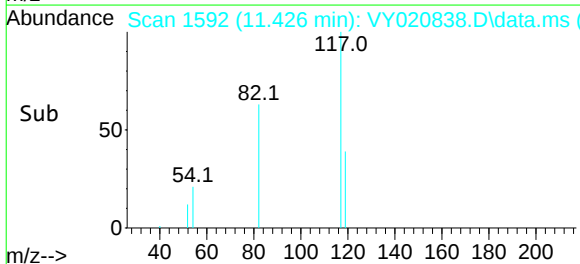
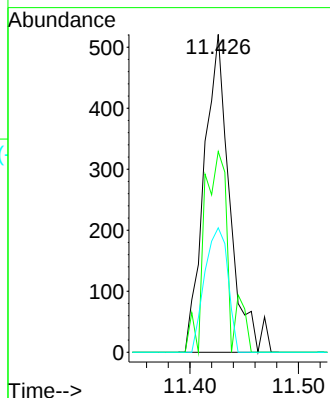
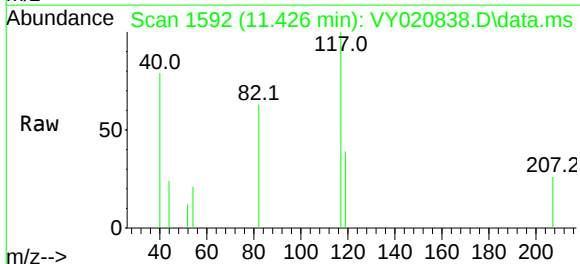
Instrument :

MSVOA_Y

ClientSampleId :

72-11938RE

Tgt Ion:	117	Resp:	857
Ion	Ratio	Lower	Upper
117	100		
82	63.1	41.8	62.6#
119	39.2	25.8	38.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020838.D

Acq: 15 Jan 2025 17:37

Tgt Ion:	152	Resp:	362
Ion	Ratio	Lower	Upper
152	100		
115	23.8	29.0	87.0#
150	133.4	0.0	347.4

