

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012025\
 Data File : VY020882.D
 Acq On : 20 Jan 2025 15:48
 Operator : SY/MD
 Sample : Q1123-02
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-03-1172025

Quant Time: Jan 21 00:43:03 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	7.719	168	7196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	9986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	5150	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	665	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	3319	54.264	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.520%
35) Dibromofluoromethane	7.634	113	3113	49.759	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.520%
50) Toluene-d8	10.115	98	8582	39.351	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	78.700%
62) 4-Bromofluorobenzene	12.407	95	881	10.939	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	21.880%#

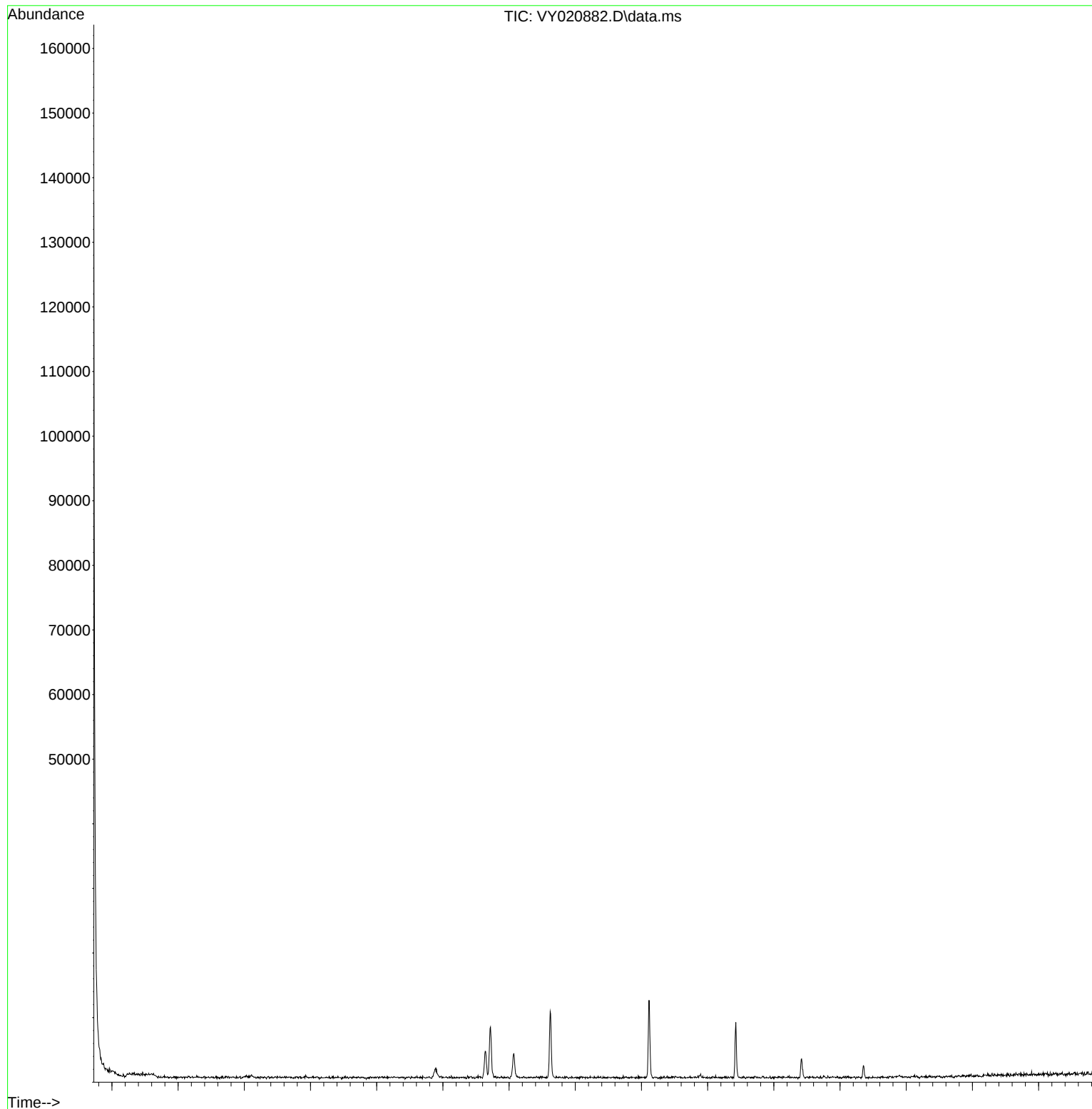
Target Compounds	Qvalue

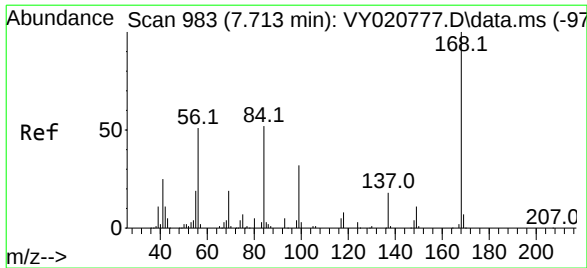
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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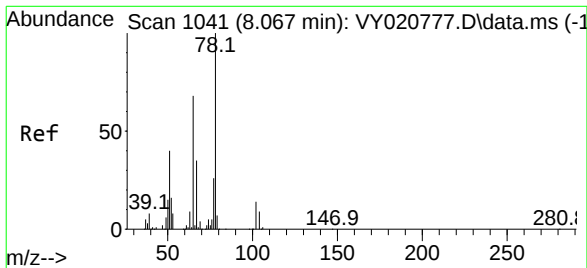
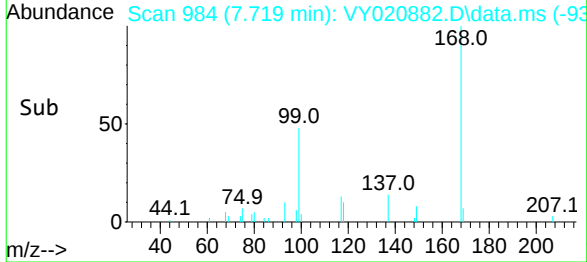
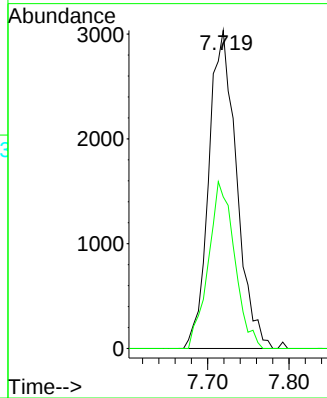
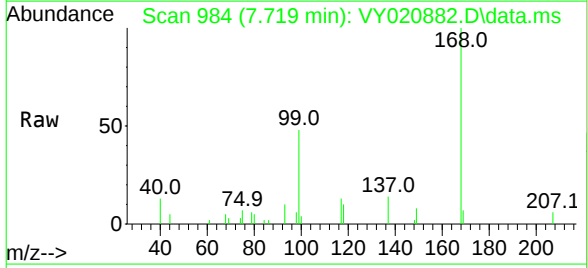




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY020882.D
Acq: 20 Jan 2025 15:48

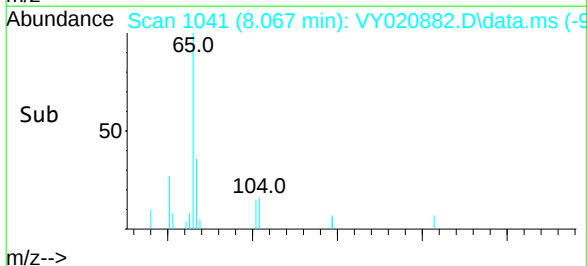
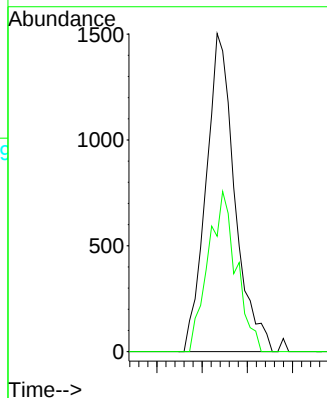
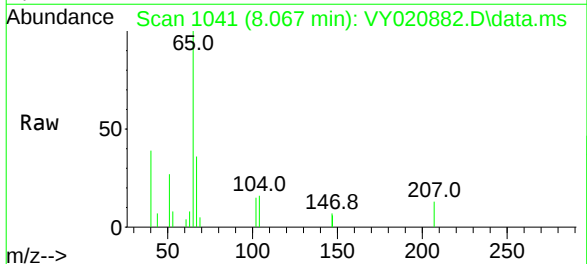
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-1172025

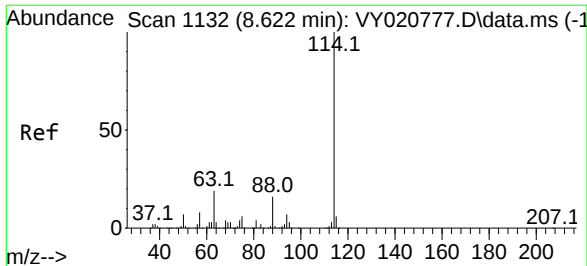
Tgt Ion:168 Resp: 7196
Ion Ratio Lower Upper
168 100
99 47.7 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 54.264 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY020882.D
Acq: 20 Jan 2025 15:48

Tgt Ion: 65 Resp: 3319
Ion Ratio Lower Upper
65 100
67 49.5 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY020882.D

Acq: 20 Jan 2025 15:48

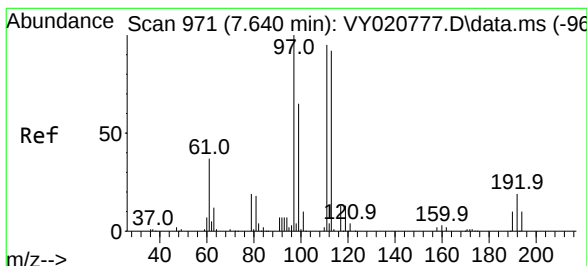
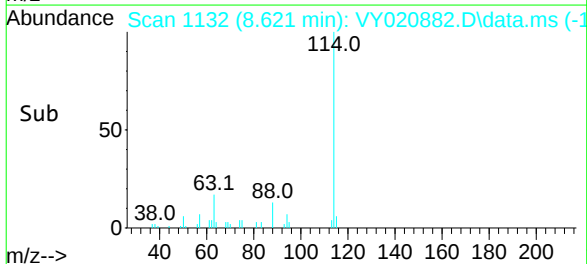
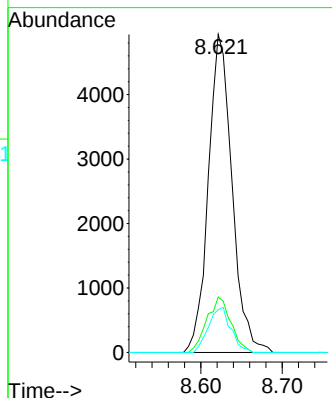
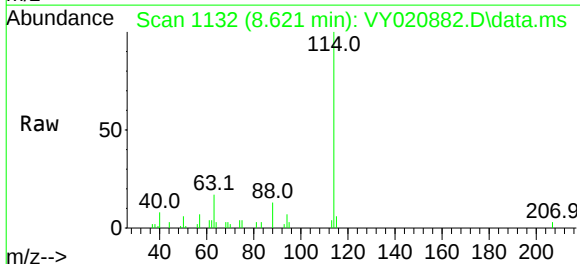
Instrument :

MSVOA_Y

ClientSampleId :

BU-03-1172025

Tgt Ion:	114	Resp:	9986
Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	38.4
88	13.5	0.0	31.2



#35

Dibromofluoromethane

Concen: 49.759 ug/l

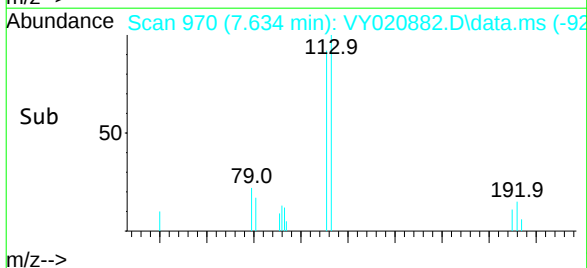
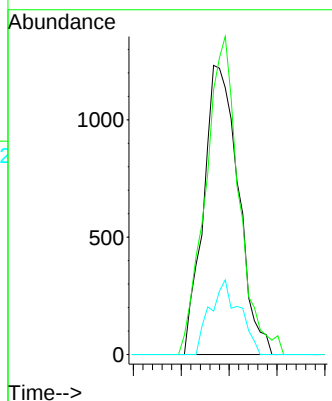
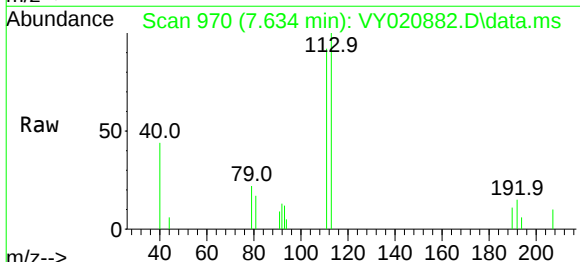
RT: 7.634 min Scan# 970

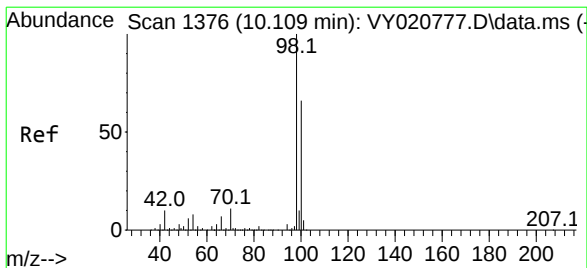
Delta R.T. -0.006 min

Lab File: VY020882.D

Acq: 20 Jan 2025 15:48

Tgt Ion:	113	Resp:	3113
Ion	Ratio	Lower	Upper
113	100		
111	105.3	81.7	122.5
192	21.8	16.7	25.1





#50

Toluene-d8

Concen: 39.351 ug/l

RT: 10.115 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY020882.D

Acq: 20 Jan 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

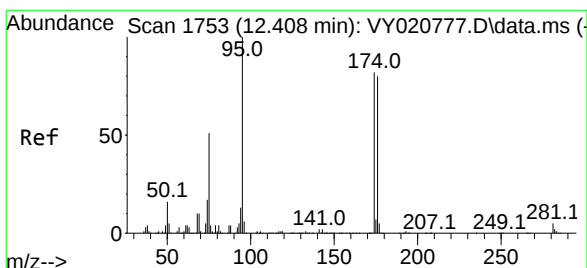
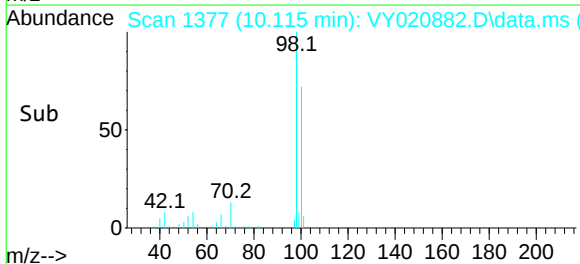
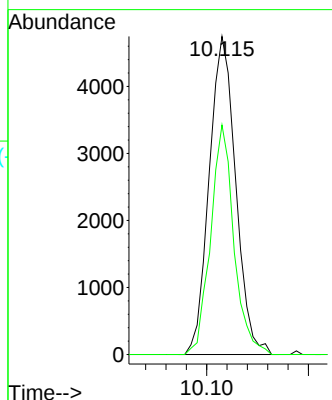
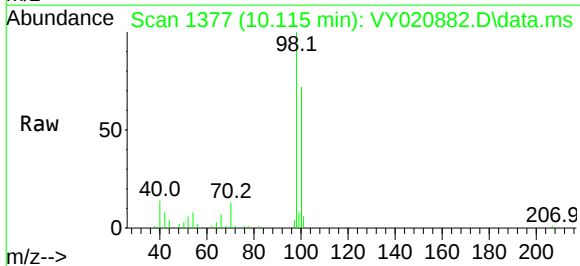
BU-03-1172025

Tgt Ion: 98 Resp: 8582

Ion Ratio Lower Upper

98 100

100 63.5 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 10.939 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY020882.D

Acq: 20 Jan 2025 15:48

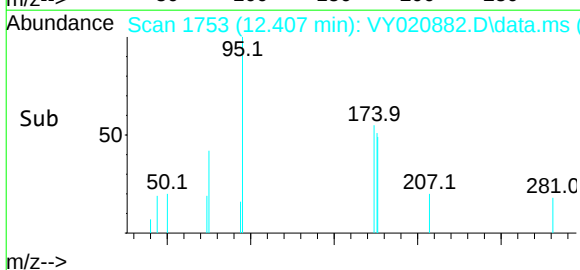
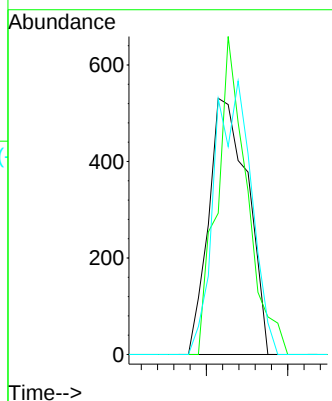
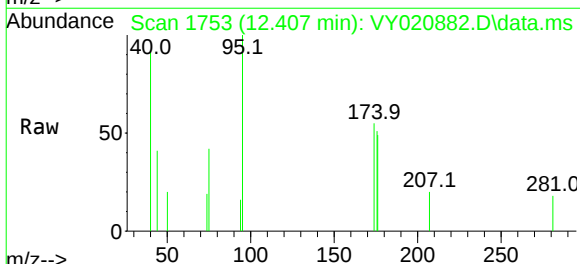
Tgt Ion: 95 Resp: 881

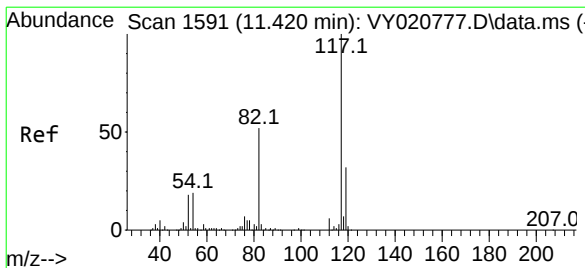
Ion Ratio Lower Upper

95 100

174 95.5 0.0 178.0

176 101.4 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: VY020882.D

Acq: 20 Jan 2025 15:48

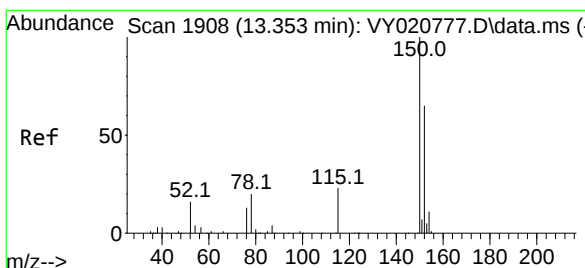
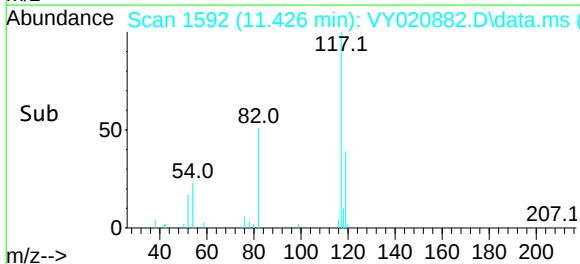
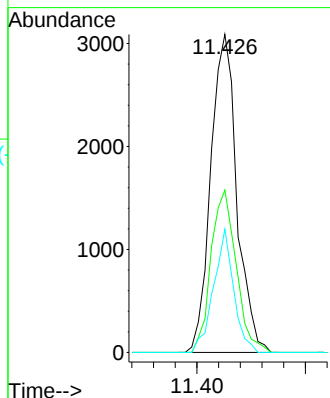
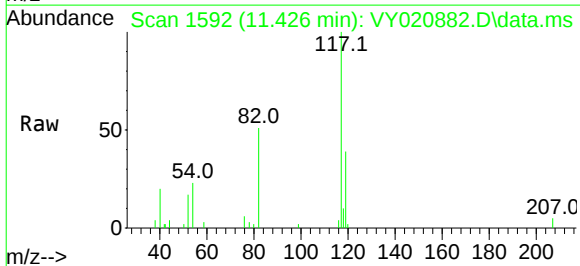
Instrument :

MSVOA_Y

ClientSampleId :

BU-03-1172025

Tgt Ion:	117	Resp:	5150
Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.8	62.6
119	38.8	25.8	38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.358 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY020882.D

Acq: 20 Jan 2025 15:48

Tgt Ion:	152	Resp:	665
Ion	Ratio	Lower	Upper
152	100		
115	50.4	29.0	87.0
150	168.3	0.0	347.4

