

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022388.D
 Acq On : 22 May 2025 12:11
 Operator : SY/MD
 Sample : Q2104-01RE
 Misc : 5.21g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-06-052125RE

Quant Time: May 23 03:35:36 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	7.720	168	7444	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.622	114	11850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	9162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	2096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	3455	42.468	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.940%
35) Dibromofluoromethane	7.646	113	2050	28.984	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	57.960%
50) Toluene-d8	10.109	98	13844	47.792	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.580%
62) 4-Bromofluorobenzene	12.408	95	2941	32.032	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	64.060%

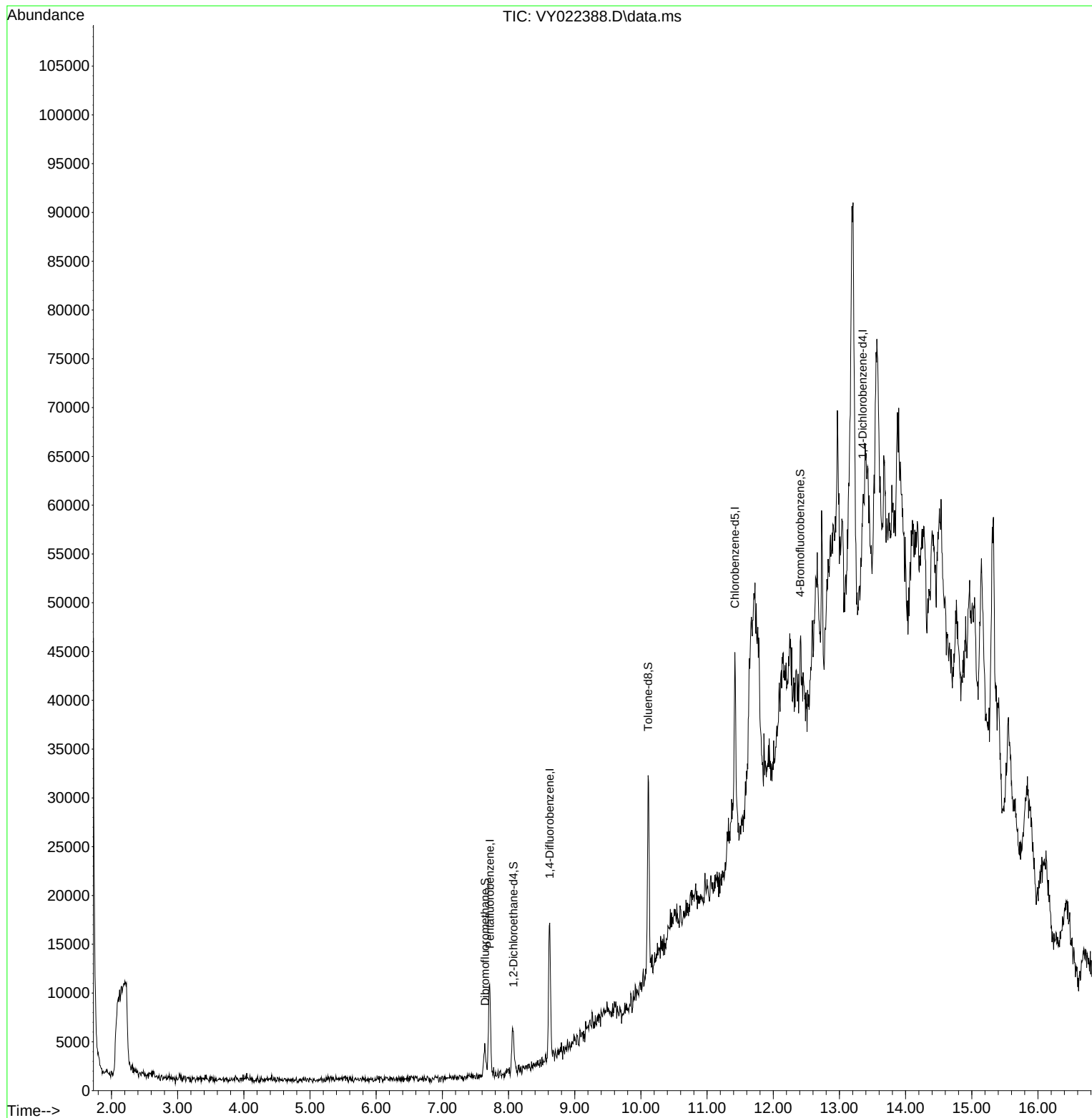
Target Compounds	Qvalue

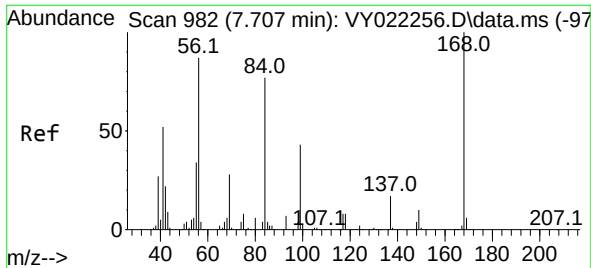
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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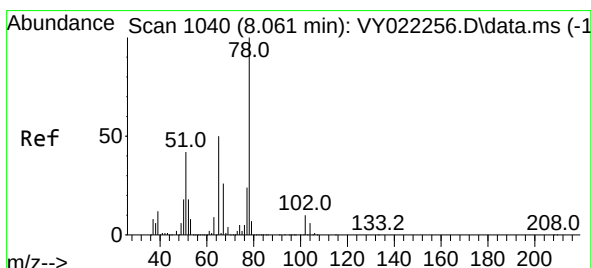
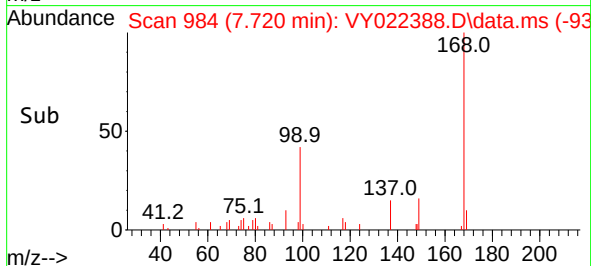
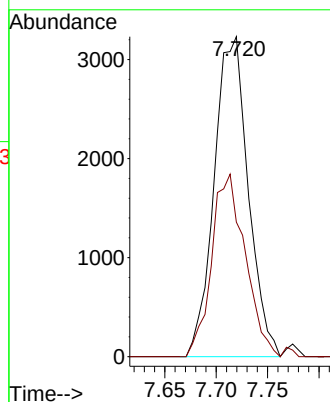
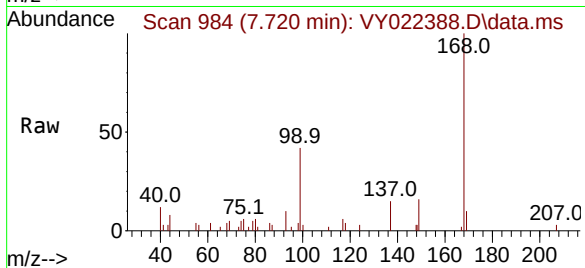




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY022388.D
Acq: 22 May 2025 12:11

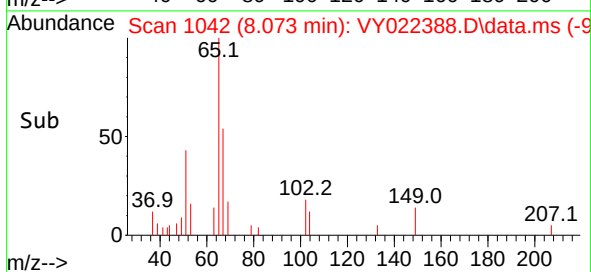
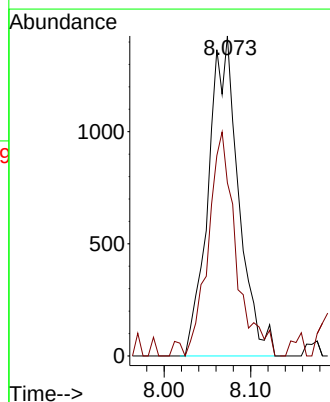
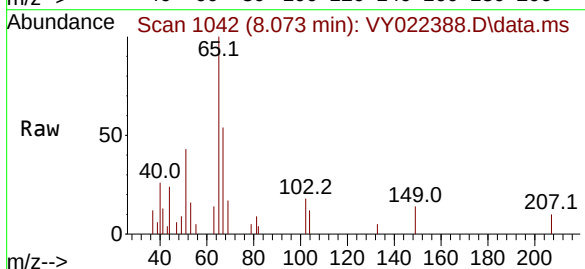
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-052125RE

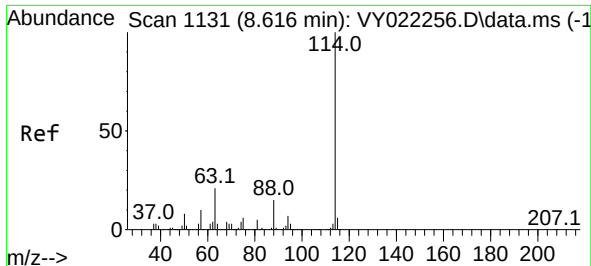
Tgt Ion:168 Resp: 7444
Ion Ratio Lower Upper
168 100
99 42.1 44.2 66.4#



#33
1,2-Dichloroethane-d4
Concen: 42.468 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022388.D
Acq: 22 May 2025 12:11

Tgt Ion: 65 Resp: 3455
Ion Ratio Lower Upper
65 100
67 64.1 0.0 104.6

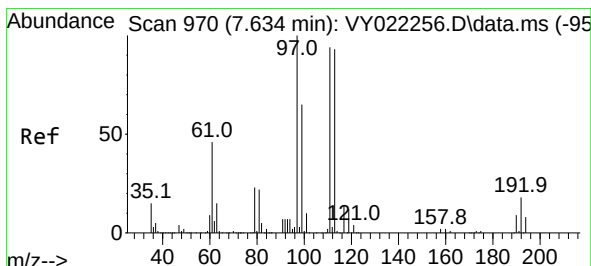
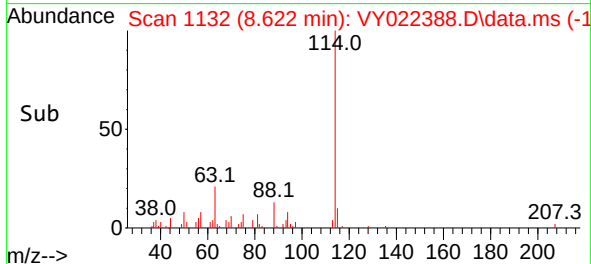
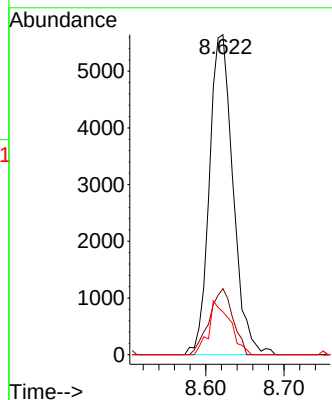
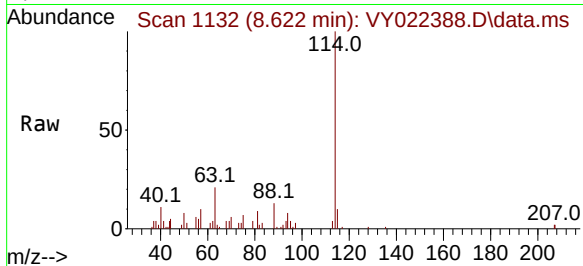




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY022388.D
Acq: 22 May 2025 12:11

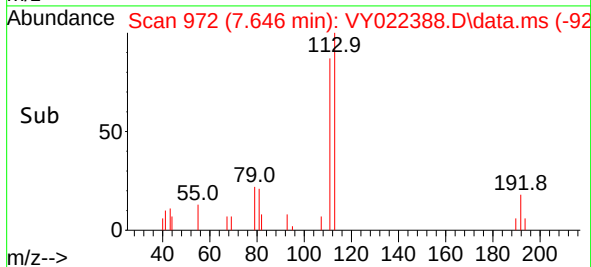
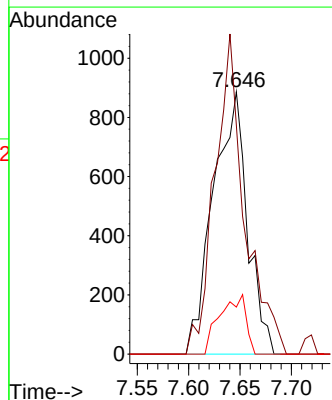
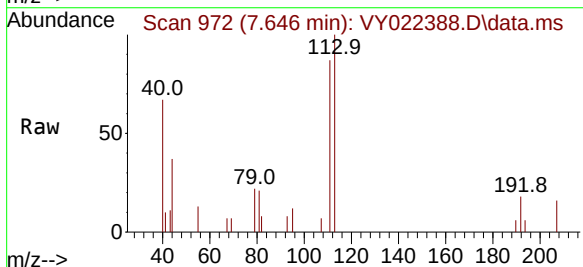
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-052125RE

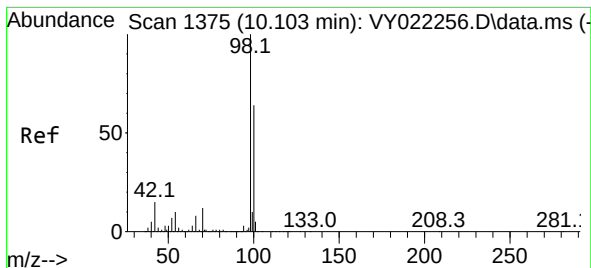
Tgt Ion:	114	Resp:	11850
Ion Ratio	Lower	Upper	
114	100		
63	20.6	0.0	41.0
88	13.4	0.0	29.4



#35
Dibromofluoromethane
Concen: 28.984 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY022388.D
Acq: 22 May 2025 12:11

Tgt Ion:	113	Resp:	2050
Ion Ratio	Lower	Upper	
113	100		
111	106.5	82.6	123.8
192	17.3	15.2	22.8

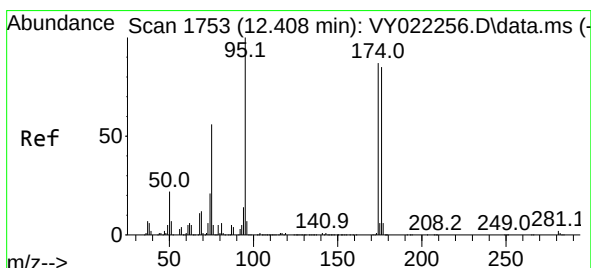
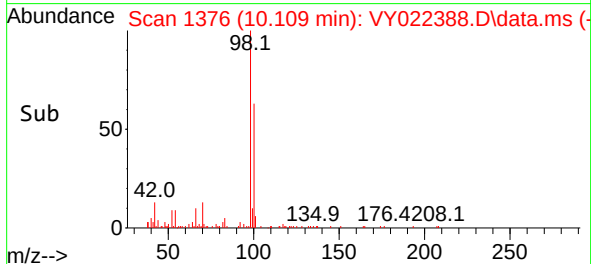
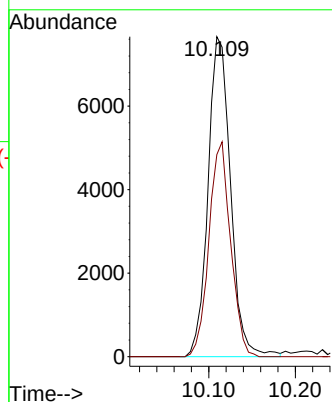
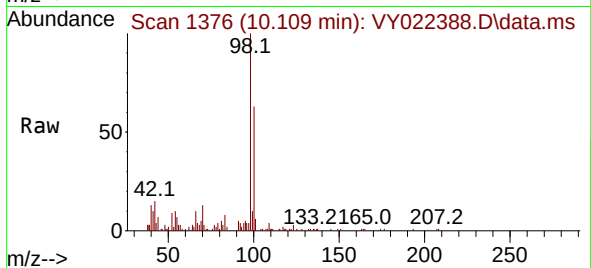




#50
Toluene-d8
Concen: 47.792 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022388.D
Acq: 22 May 2025 12:11

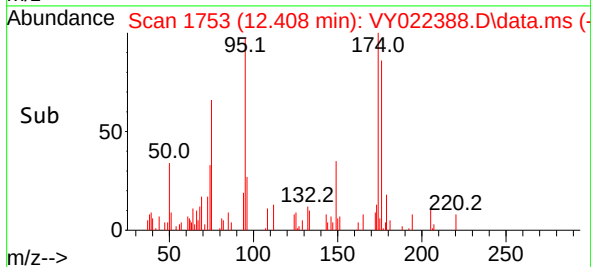
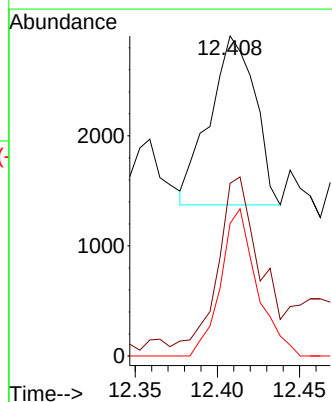
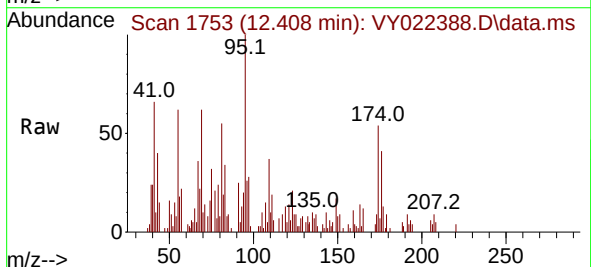
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-052125RE

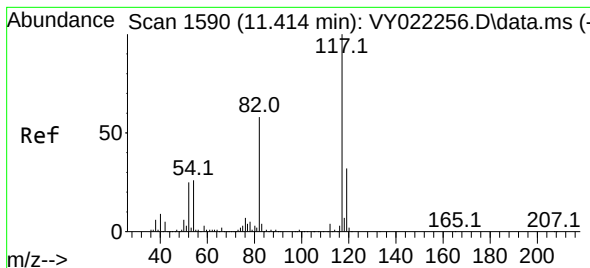
Tgt Ion: 98 Resp: 13844
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 32.032 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022388.D
Acq: 22 May 2025 12:11

Tgt Ion: 95 Resp: 2941
Ion Ratio Lower Upper
95 100
174 92.8 0.0 166.8
176 69.5 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: VY022388.D

Acq: 22 May 2025 12:11

Instrument :

MSVOA_Y

ClientSampleId :

TR-06-052125RE

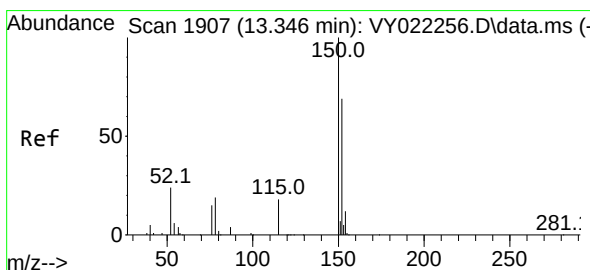
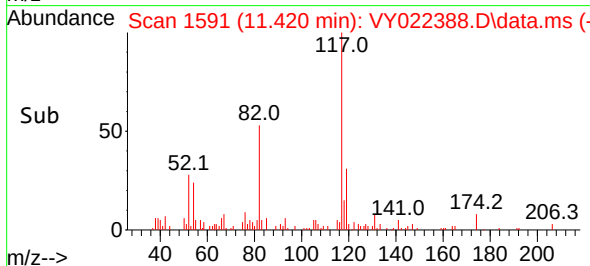
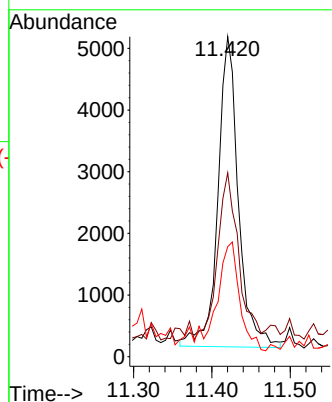
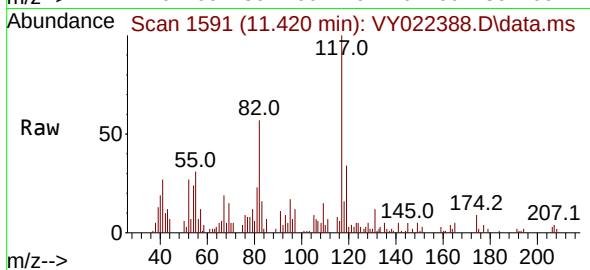
Tgt Ion:117 Resp: 9162

Ion Ratio Lower Upper

117 100

82 52.9 46.6 70.0

119 33.6 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: VY022388.D

Acq: 22 May 2025 12:11

Tgt Ion:152 Resp: 2096

Ion Ratio Lower Upper

152 100

115 63.1 29.4 88.2

150 111.2 0.0 353.8

