

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022392.D
 Acq On : 22 May 2025 13:45
 Operator : SY/MD
 Sample : Q2074-04
 Misc : 7.61g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-20

Quant Time: May 23 03:37:22 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)

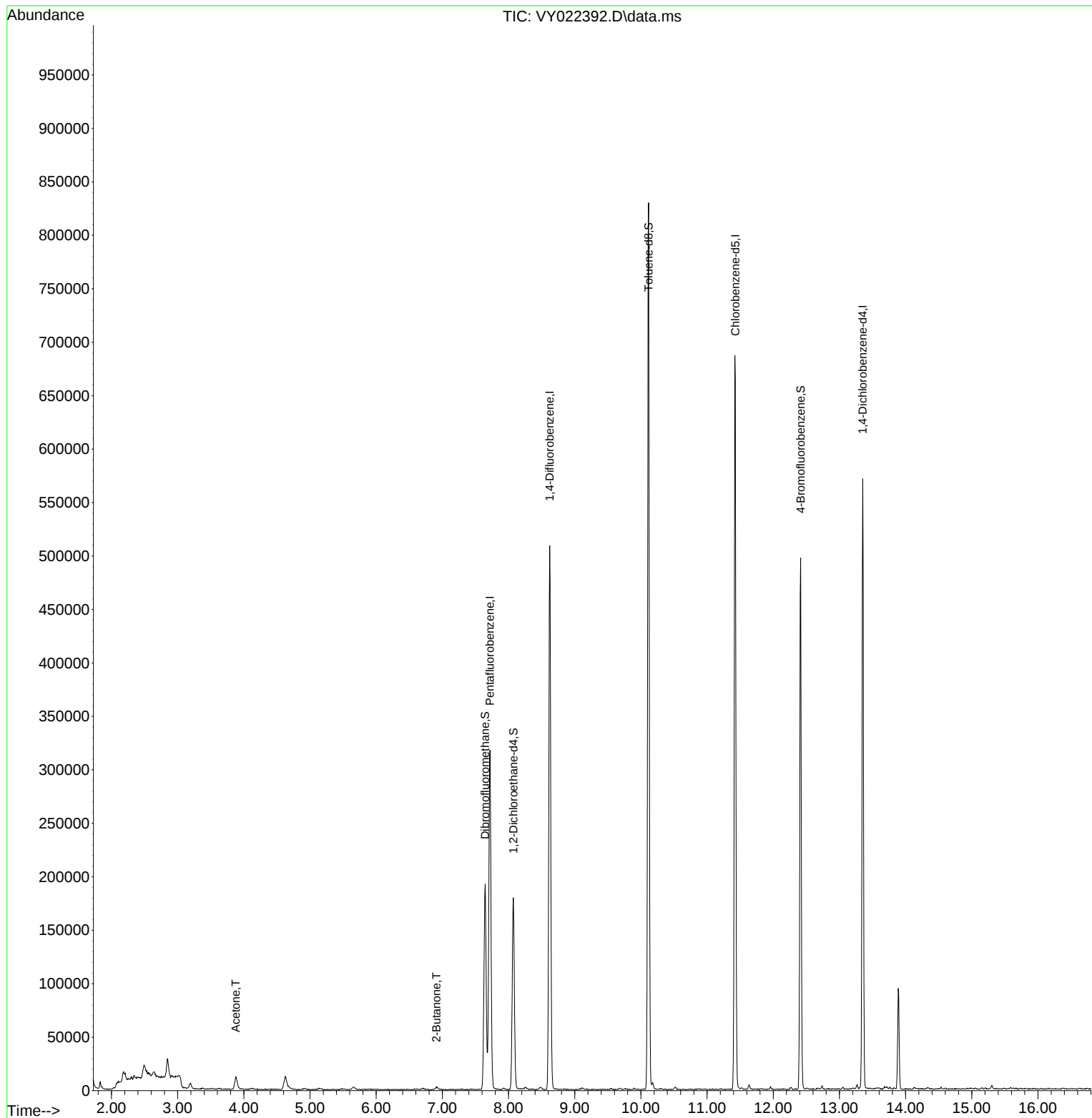
Internal Standards						
1) Pentafluorobenzene	7.719	168	243454	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	431875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	349983	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	131238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	132631	49.848	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.700%
35) Dibromofluoromethane	7.646	113	130701	50.705	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.400%
50) Toluene-d8	10.115	98	520772	49.329	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.660%
62) 4-Bromofluorobenzene	12.414	95	134355	40.151	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.300%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	20631	41.353	ug/l	95
25) 2-Butanone	6.909	43	3046	3.650	ug/l	96

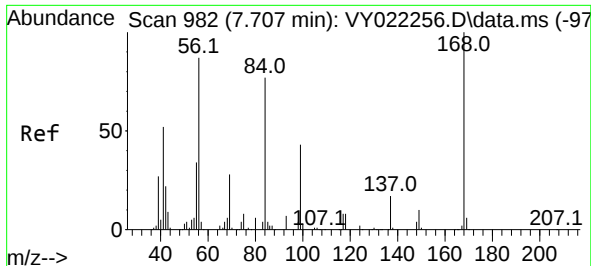
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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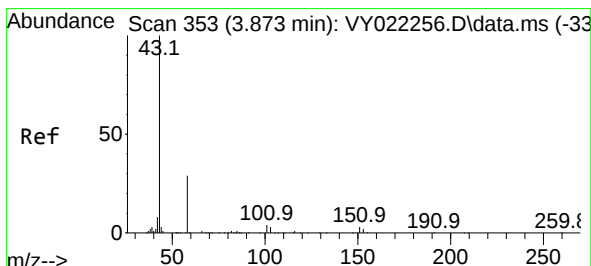
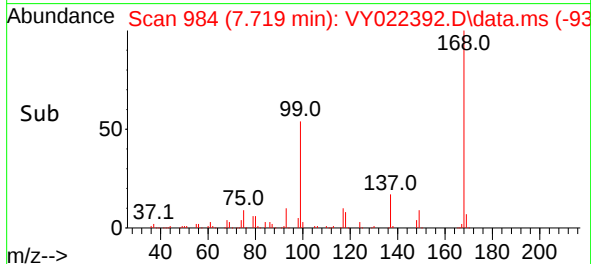
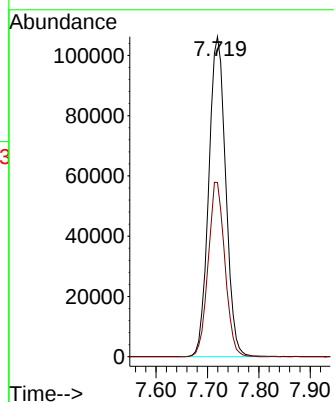
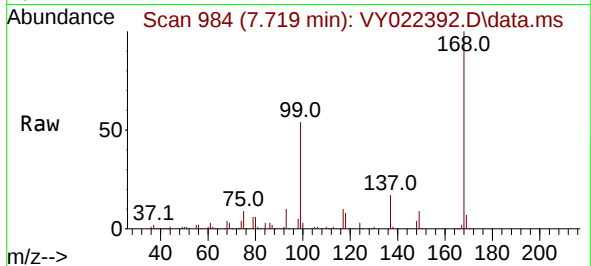




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY022392.D
Acq: 22 May 2025 13:45

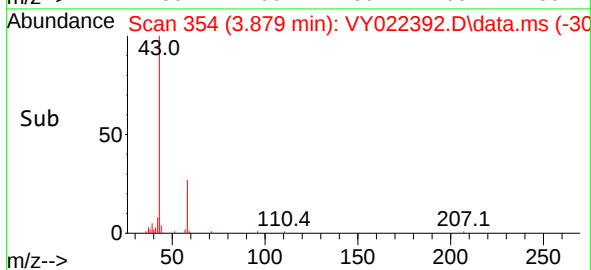
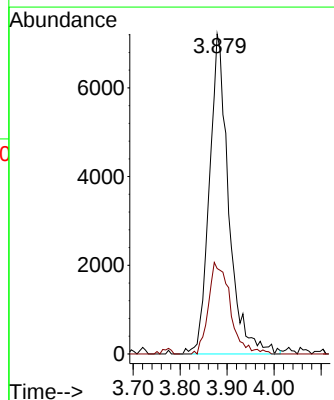
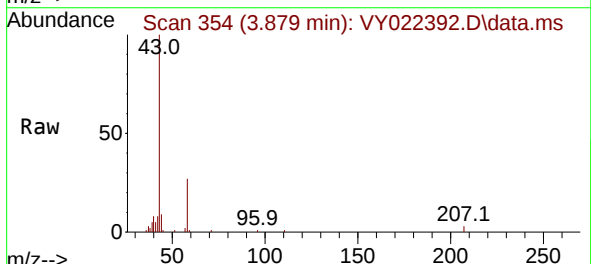
Instrument :
MSVOA_Y
ClientSampleId :
TP-20

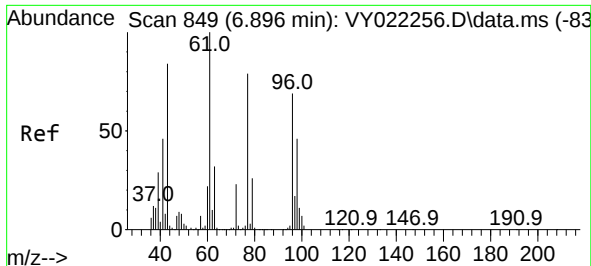
Tgt Ion:168 Resp: 243454
Ion Ratio Lower Upper
168 100
99 54.4 44.2 66.4



#16
Acetone
Concen: 41.353 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022392.D
Acq: 22 May 2025 13:45

Tgt Ion: 43 Resp: 20631
Ion Ratio Lower Upper
43 100
58 26.7 23.6 35.4





#25

2-Butanone

Concen: 3.650 ug/l

RT: 6.909 min Scan# 8

Delta R.T. 0.012 min

Lab File: VY022392.D

Acq: 22 May 2025 13:45

Instrument :

MSVOA_Y

ClientSampleId :

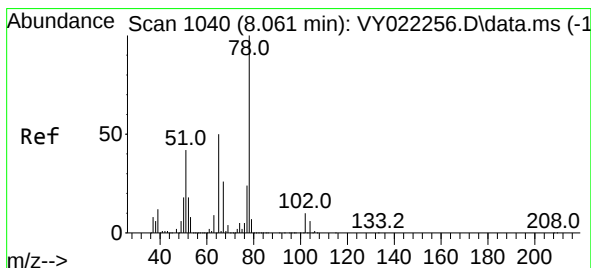
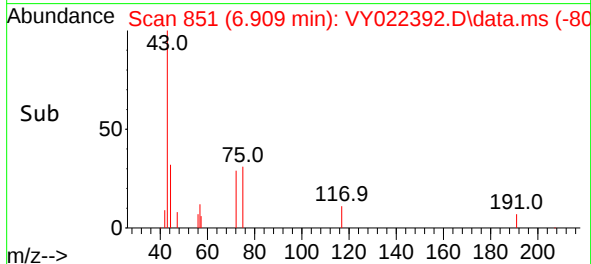
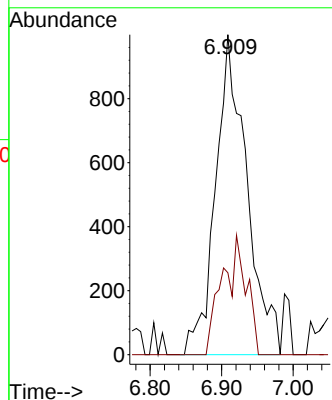
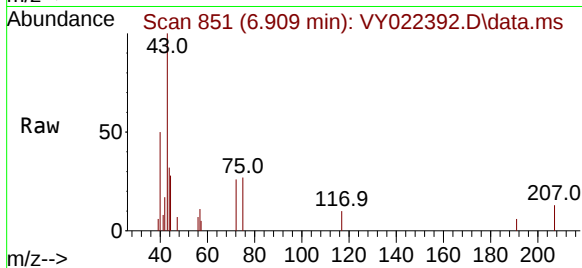
TP-20

Tgt Ion: 43 Resp: 3046

Ion Ratio Lower Upper

43 100

72 25.6 22.1 33.1



#33

1,2-Dichloroethane-d4

Concen: 49.848 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.012 min

Lab File: VY022392.D

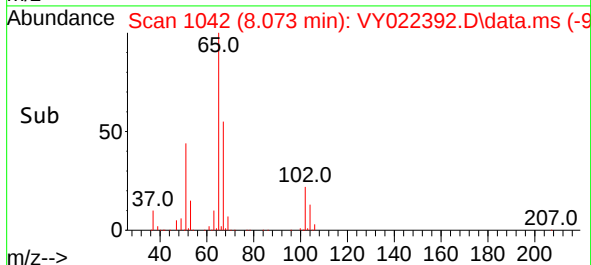
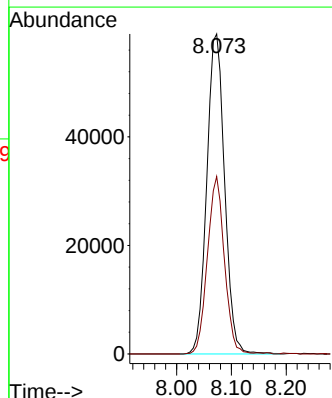
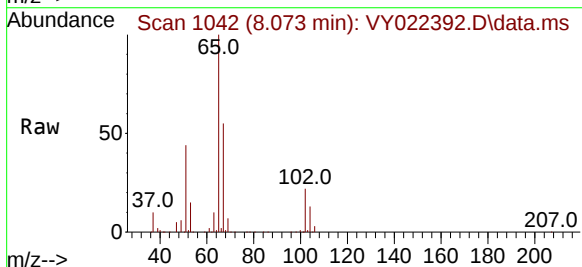
Acq: 22 May 2025 13:45

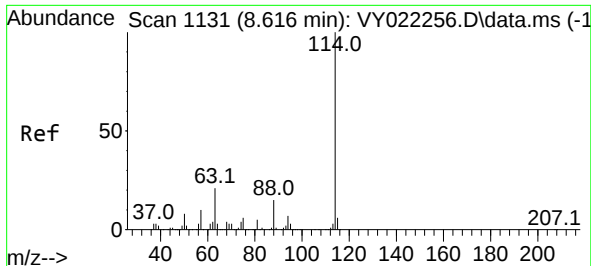
Tgt Ion: 65 Resp: 132631

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022392.D

Acq: 22 May 2025 13:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-20

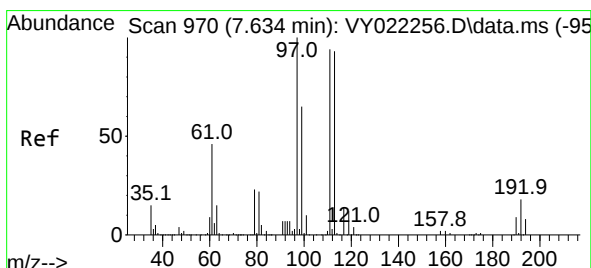
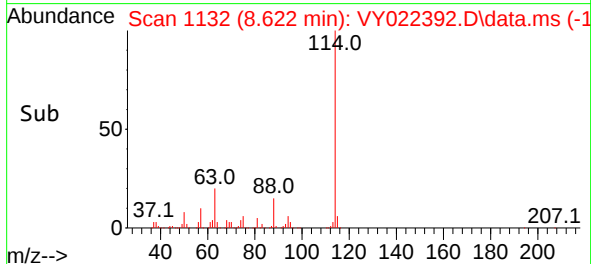
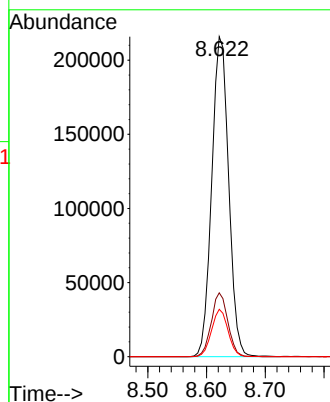
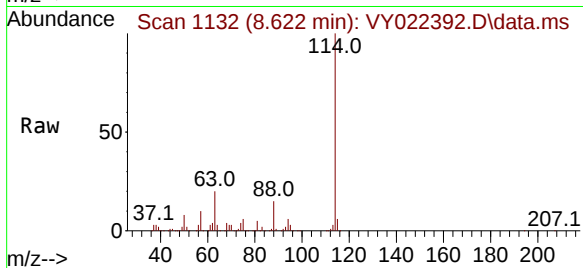
Tgt Ion:114 Resp: 431875

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.0

88 14.8 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.705 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY022392.D

Acq: 22 May 2025 13:45

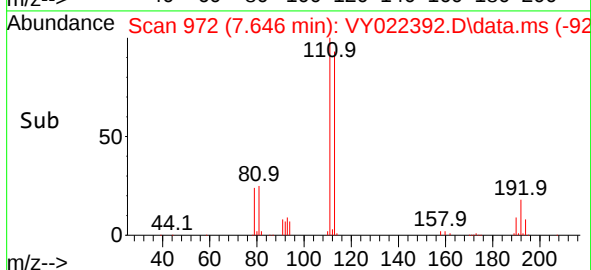
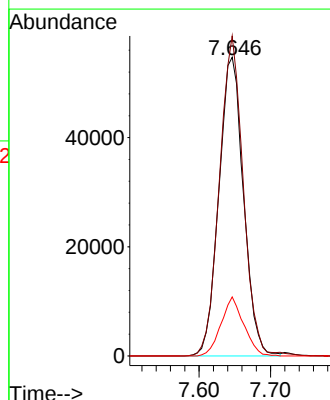
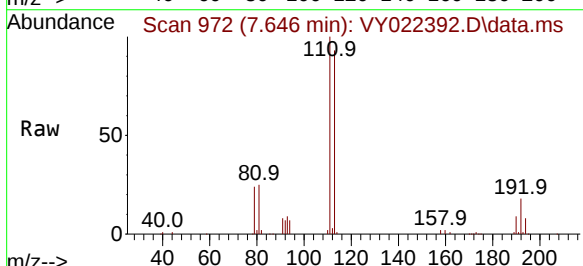
Tgt Ion:113 Resp: 130701

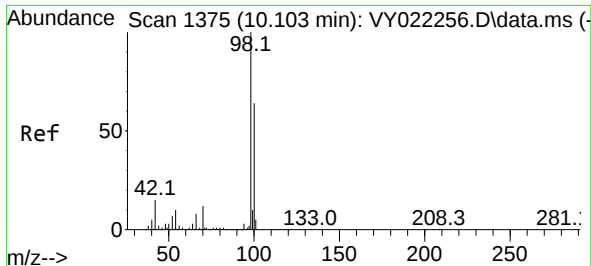
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 18.3 15.2 22.8

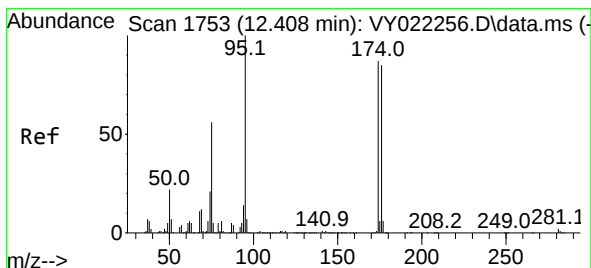
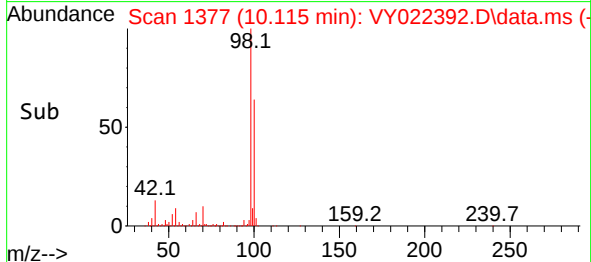
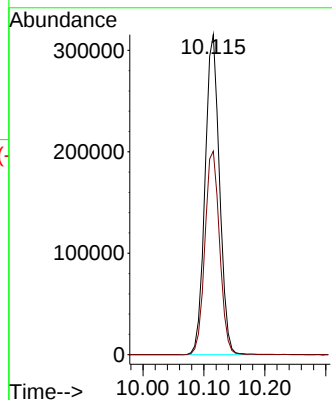
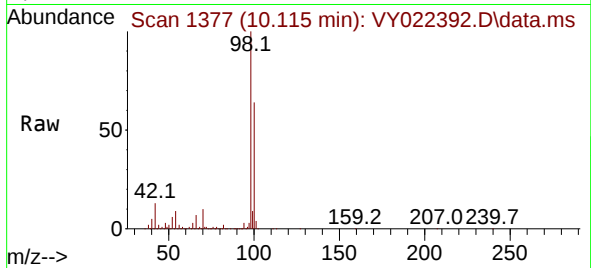




#50
Toluene-d8
Concen: 49.329 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022392.D
Acq: 22 May 2025 13:45

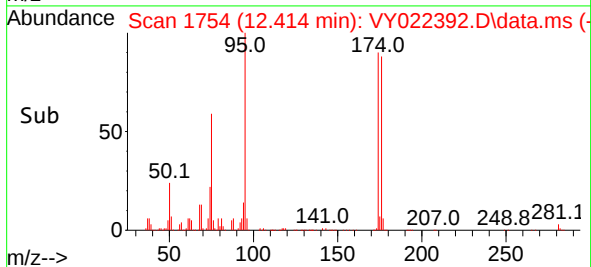
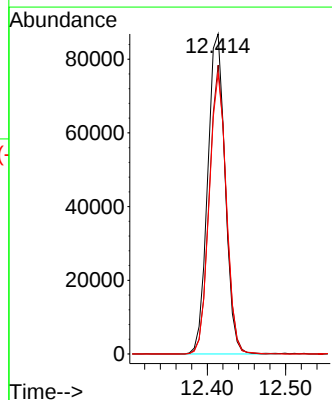
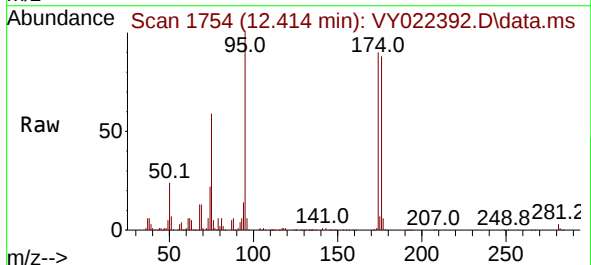
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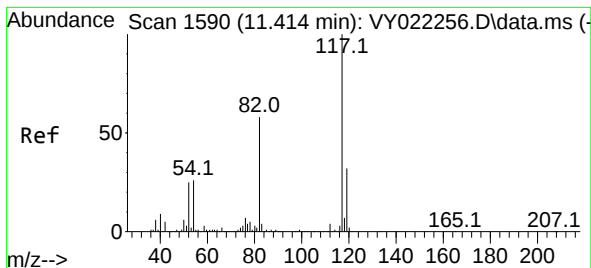
Tgt Ion: 98 Resp: 520772
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.151 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022392.D
Acq: 22 May 2025 13:45

Tgt Ion: 95 Resp: 134355
Ion Ratio Lower Upper
95 100
174 86.6 0.0 166.8
176 85.8 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY022392.D

Acq: 22 May 2025 13:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-20

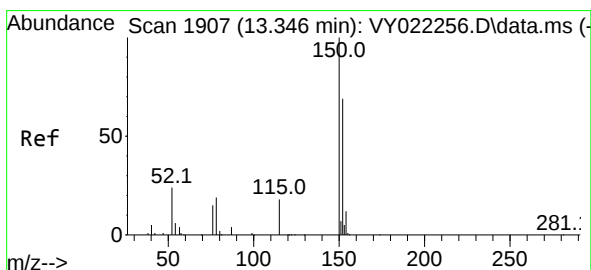
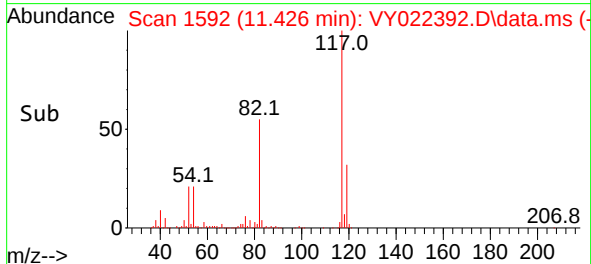
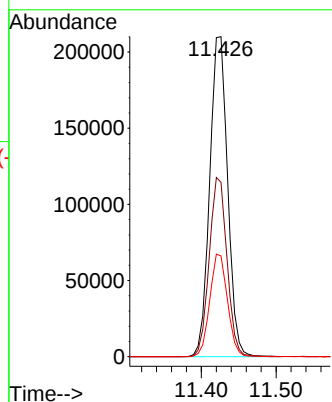
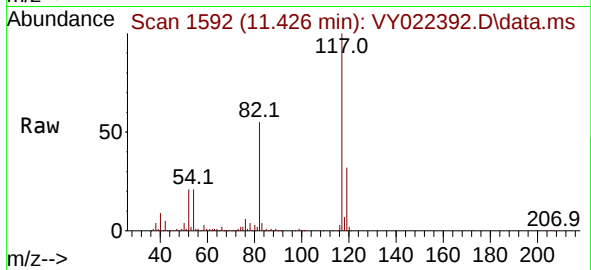
Tgt Ion:117 Resp: 349983

Ion Ratio Lower Upper

117 100

82 54.5 46.6 70.0

119 31.5 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: VY022392.D

Acq: 22 May 2025 13:45

Tgt Ion:152 Resp: 131238

Ion Ratio Lower Upper

152 100

115 57.5 29.4 88.2

150 158.0 0.0 353.8

