

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022396.D
 Acq On : 22 May 2025 15:19
 Operator : SY/MD
 Sample : Q2074-08
 Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-18

Quant Time: May 23 03:38:47 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)

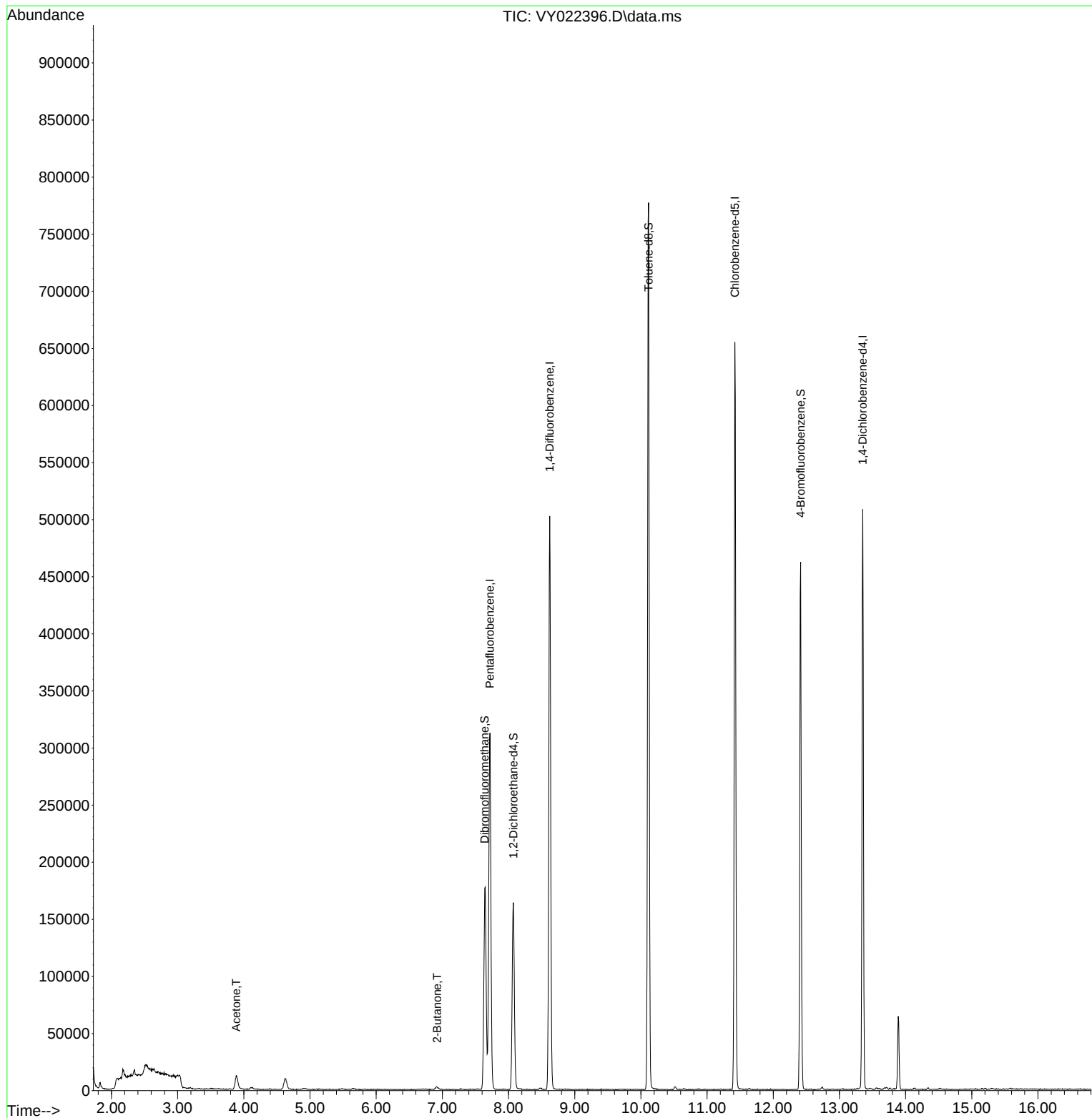
Internal Standards						
1) Pentafluorobenzene	7.719	168	236909	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	424090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	327971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	117014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	121510	46.930	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.860%
35) Dibromofluoromethane	7.640	113	122812	48.519	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.040%
50) Toluene-d8	10.115	98	496981	47.940	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.880%
62) 4-Bromofluorobenzene	12.414	95	122403	37.251	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.500%
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	23151	47.686	ug/l	98
25) 2-Butanone	6.921	43	4170	5.135	ug/l #	85

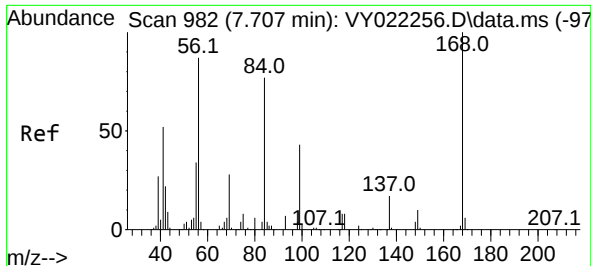
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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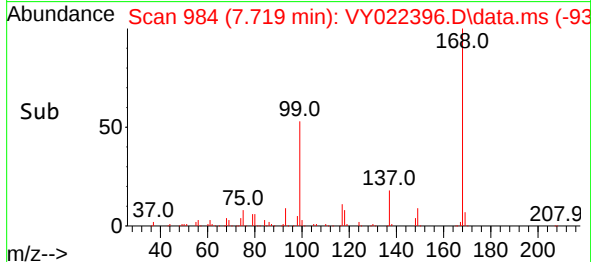
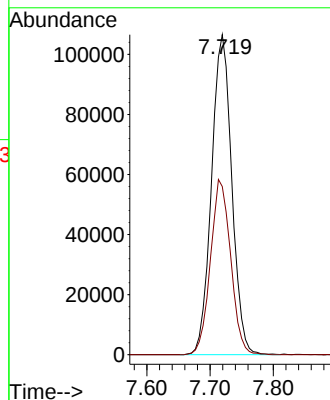
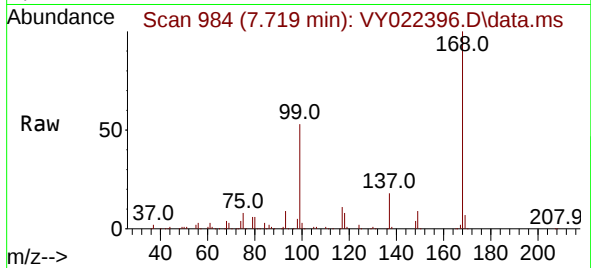




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

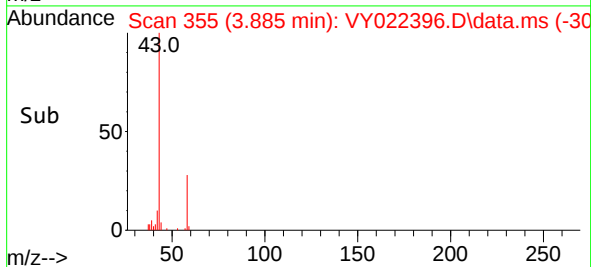
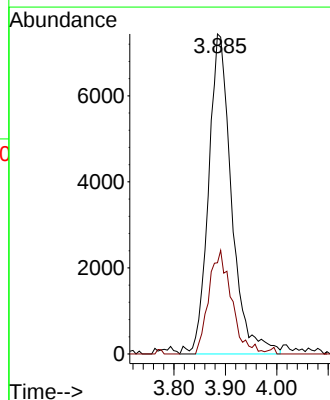
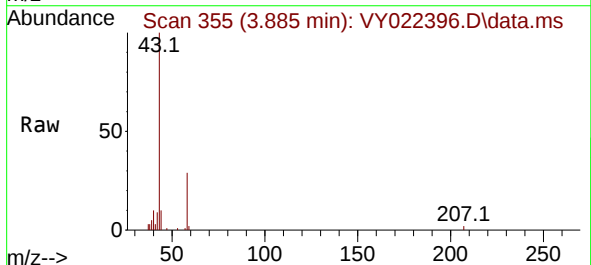
Instrument :
MSVOA_Y
ClientSampleId :
TP-18

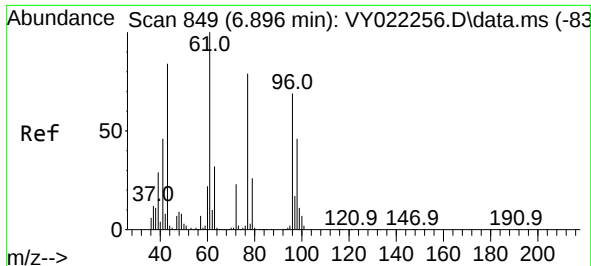
Tgt Ion:168 Resp: 236909
Ion Ratio Lower Upper
168 100
99 52.6 44.2 66.4



#16
Acetone
Concen: 47.686 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

Tgt Ion: 43 Resp: 23151
Ion Ratio Lower Upper
43 100
58 28.5 23.6 35.4





#25

2-Butanone

Concen: 5.135 ug/l

RT: 6.921 min Scan# 8

Delta R.T. 0.024 min

Lab File: VY022396.D

Acq: 22 May 2025 15:19

Instrument :

MSVOA_Y

ClientSampleId :

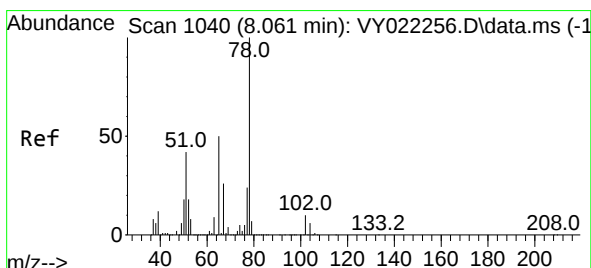
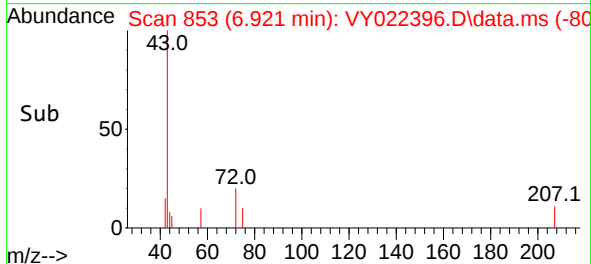
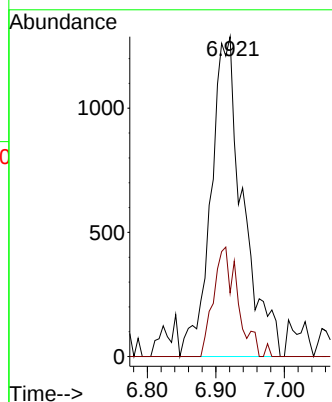
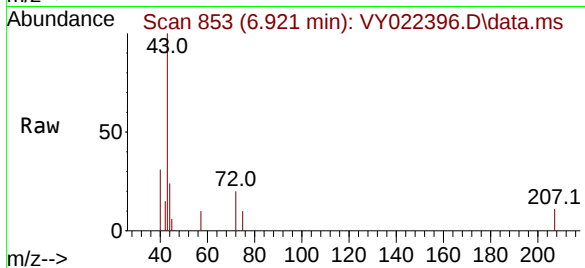
TP-18

Tgt Ion: 43 Resp: 4170

Ion Ratio Lower Upper

43 100

72 19.9 22.1 33.1#



#33

1,2-Dichloroethane-d4

Concen: 46.930 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.012 min

Lab File: VY022396.D

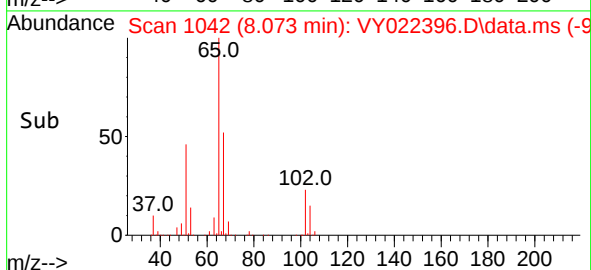
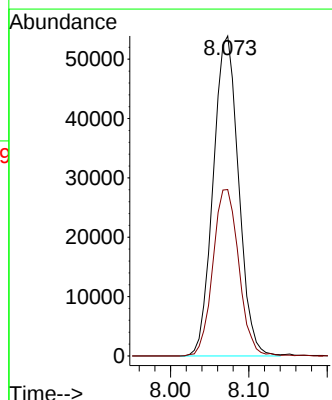
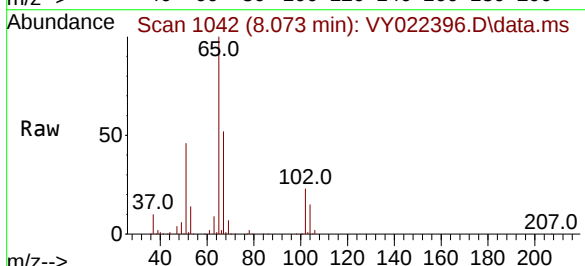
Acq: 22 May 2025 15:19

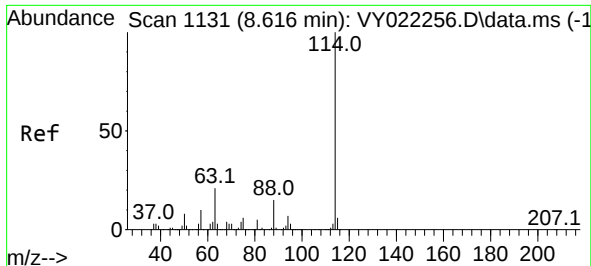
Tgt Ion: 65 Resp: 121510

Ion Ratio Lower Upper

65 100

67 53.1 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: VY022396.D

Acq: 22 May 2025 15:19

Instrument :

MSVOA_Y

ClientSampleId :

TP-18

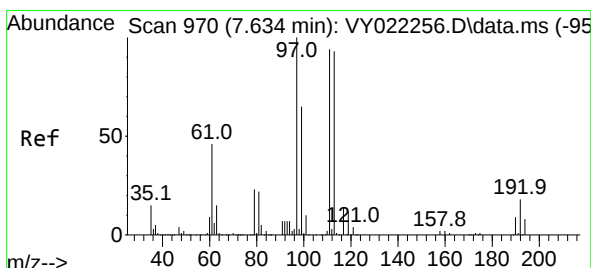
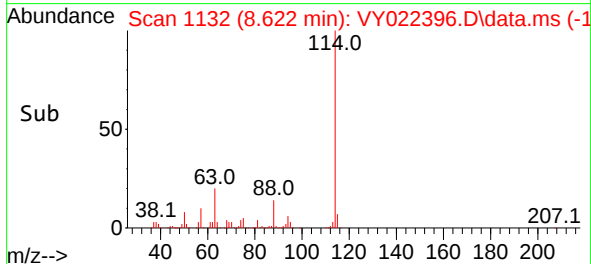
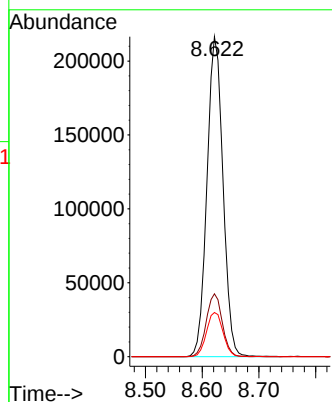
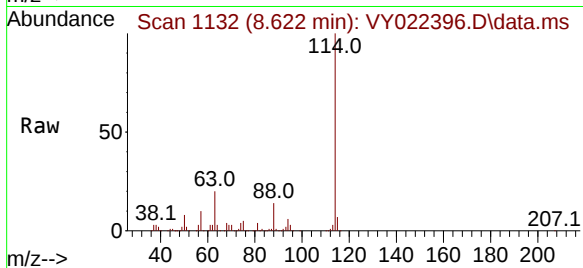
Tgt Ion:114 Resp: 424090

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.0

88 13.8 0.0 29.4



#35

Dibromofluoromethane

Concen: 48.519 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022396.D

Acq: 22 May 2025 15:19

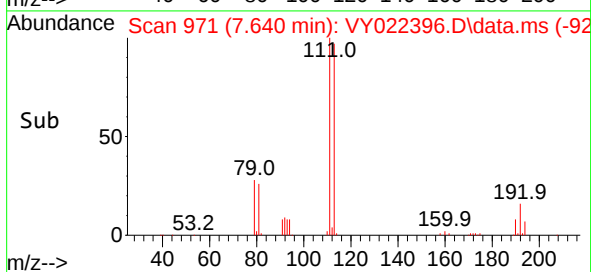
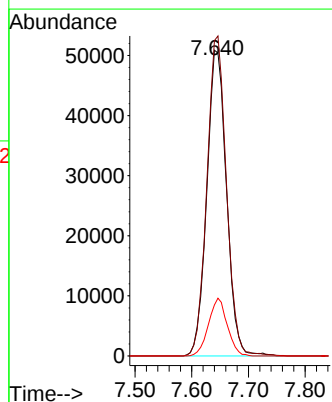
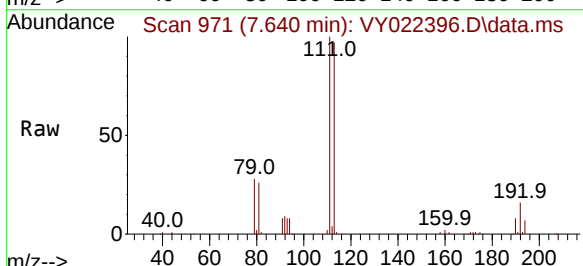
Tgt Ion:113 Resp: 122812

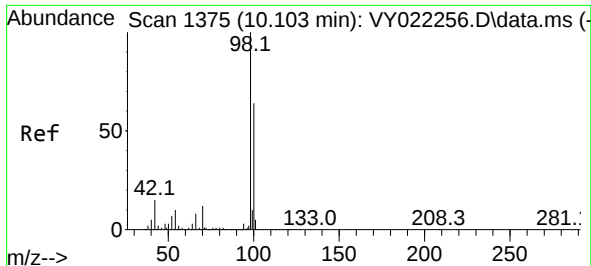
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 18.0 15.2 22.8

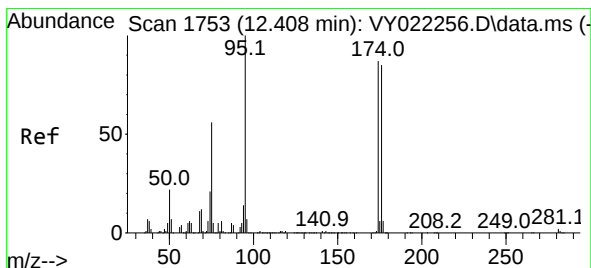
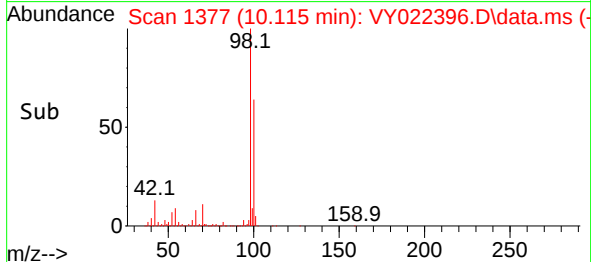
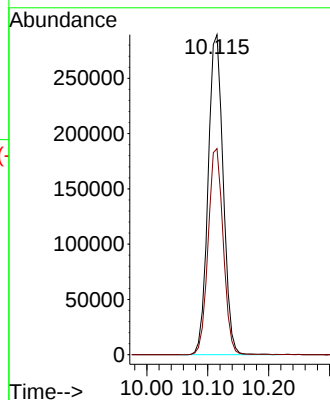
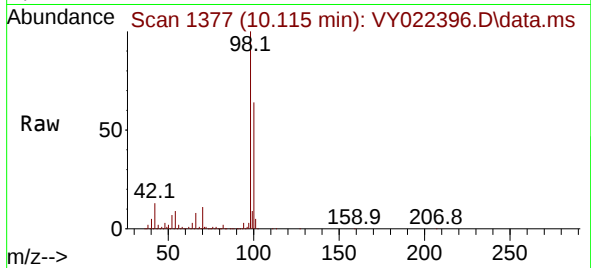




#50
Toluene-d8
Concen: 47.940 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

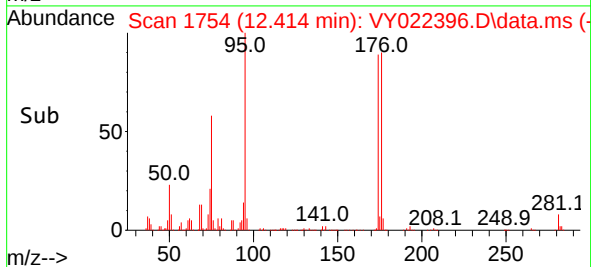
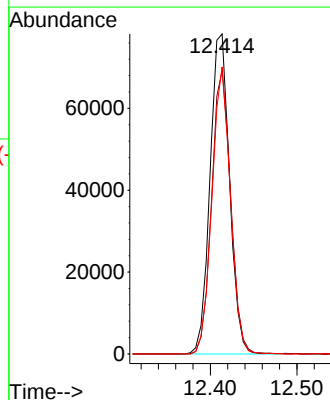
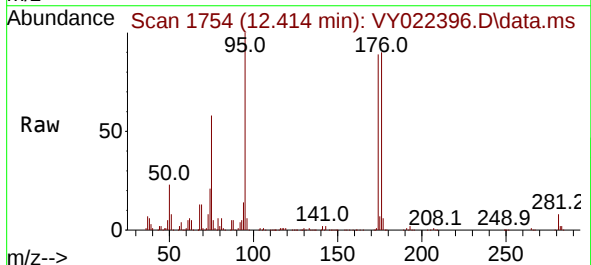
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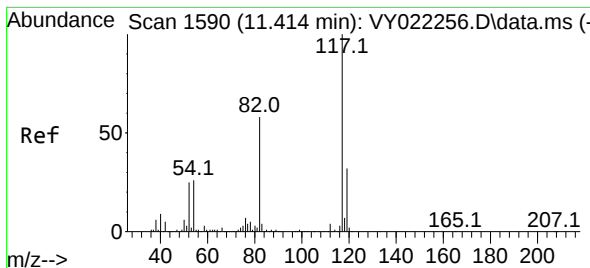
Tgt Ion: 98 Resp: 496981
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 37.251 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

Tgt Ion: 95 Resp: 122403
Ion Ratio Lower Upper
95 100
174 86.5 0.0 166.8
176 84.8 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: VY022396.D

Acq: 22 May 2025 15:19

Instrument :

MSVOA_Y

ClientSampleId :

TP-18

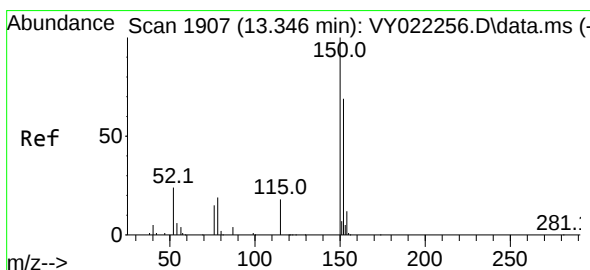
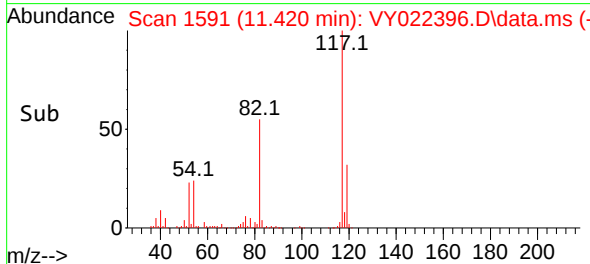
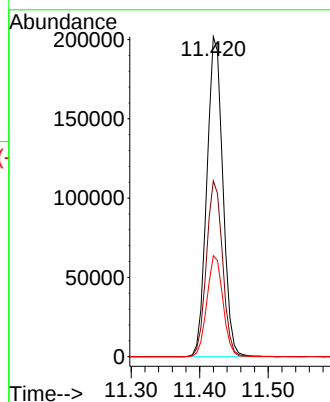
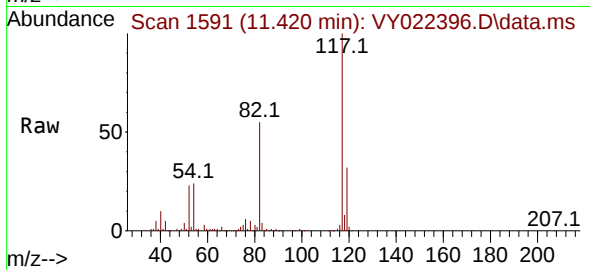
Tgt Ion:117 Resp: 327971

Ion Ratio Lower Upper

117 100

82 54.9 46.6 70.0

119 31.5 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022396.D

Acq: 22 May 2025 15:19

Tgt Ion:152 Resp: 117014

Ion Ratio Lower Upper

152 100

115 56.8 29.4 88.2

150 155.2 0.0 353.8

