

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022395.D
 Acq On : 22 May 2025 14:55
 Operator : SY/MD
 Sample : Q2074-07
 Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-40

Quant Time: May 23 03:38:26 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)

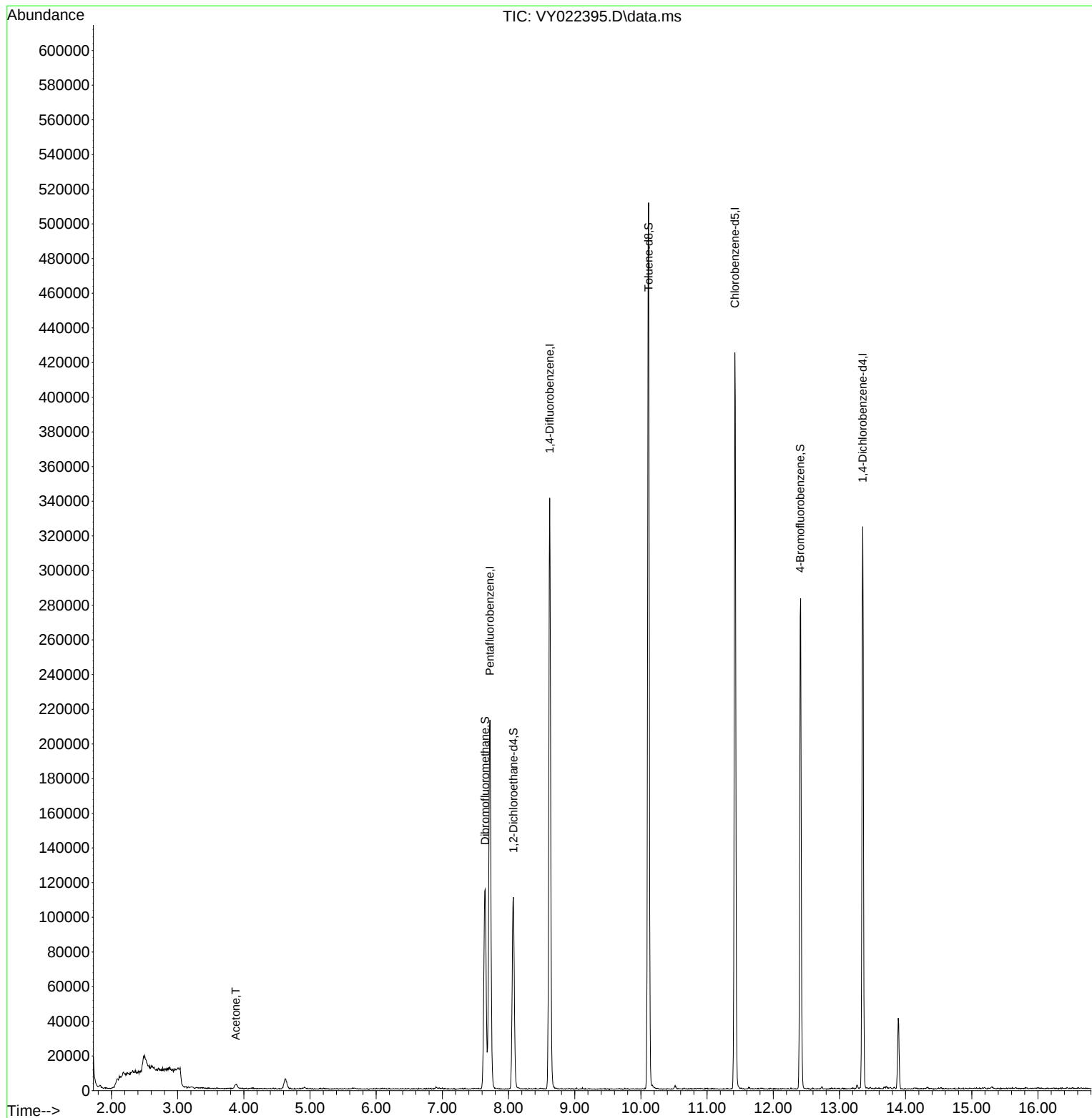
Internal Standards						
1) Pentafluorobenzene	7.719	168	163884	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	278478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	213324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	75609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	83592	46.671	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.340%
35) Dibromofluoromethane	7.646	113	81440	48.998	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.000%
50) Toluene-d8	10.115	98	324899	47.728	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.460%
62) 4-Bromofluorobenzene	12.407	95	78682	36.466	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.940%
Target Compounds						
16) Acetone	3.879	43	5169	15.391	ug/l	Qvalue # 88

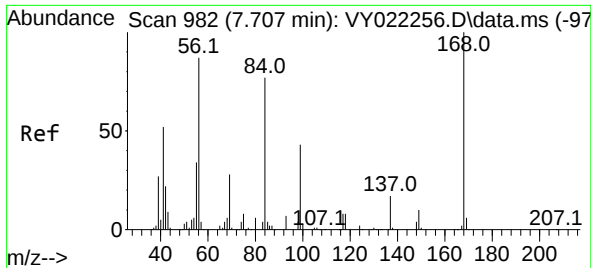
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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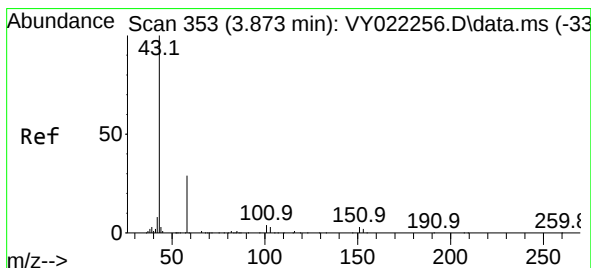
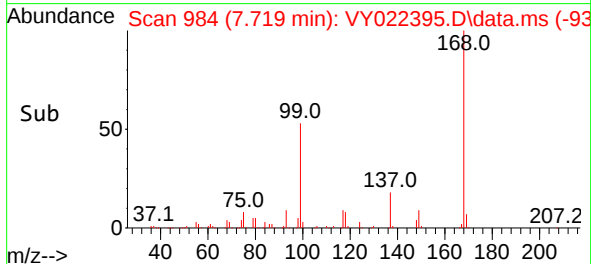
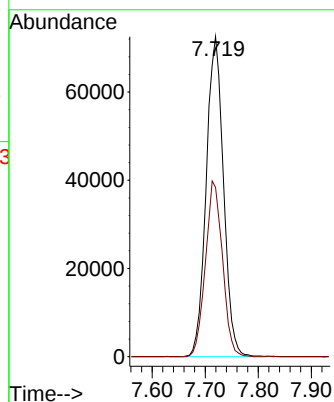
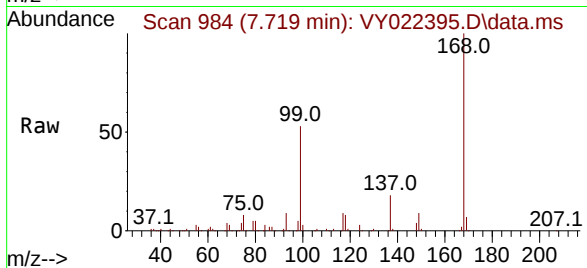




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY022395.D
Acq: 22 May 2025 14:55

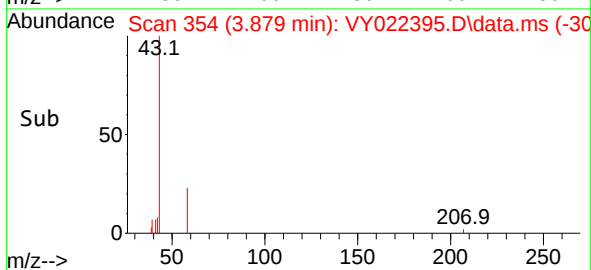
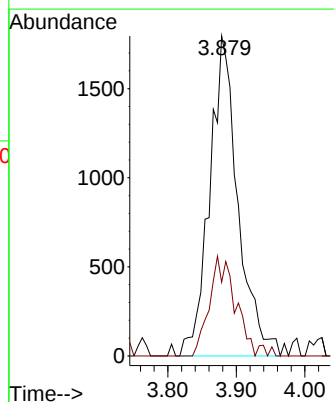
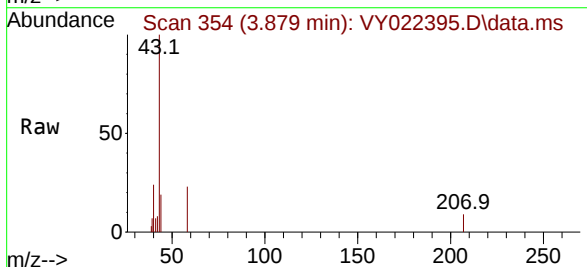
Instrument :
MSVOA_Y
ClientSampleId :
TP-40

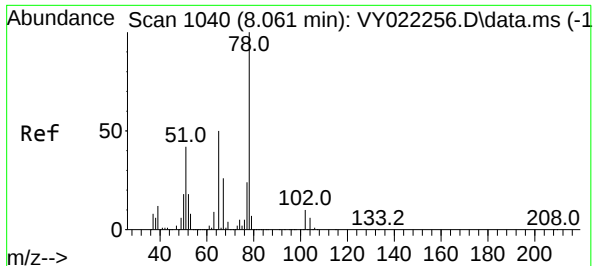
Tgt Ion:168 Resp: 163884
Ion Ratio Lower Upper
168 100
99 52.9 44.2 66.4



#16
Acetone
Concen: 15.391 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022395.D
Acq: 22 May 2025 14:55

Tgt Ion: 43 Resp: 5169
Ion Ratio Lower Upper
43 100
58 23.1 23.6 35.4#





#33

1,2-Dichloroethane-d4

Concen: 46.671 ug/l

RT: 8.073 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY022395.D

Acq: 22 May 2025 14:55

Instrument :

MSVOA_Y

ClientSampleId :

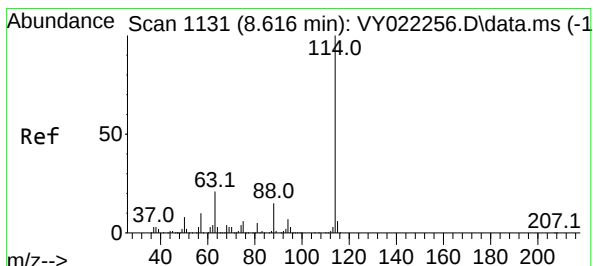
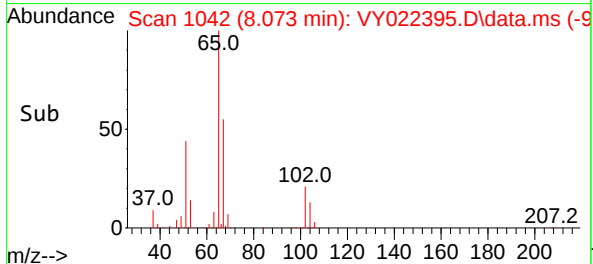
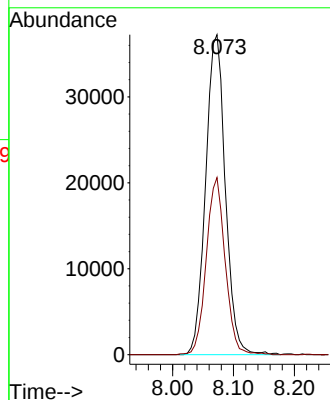
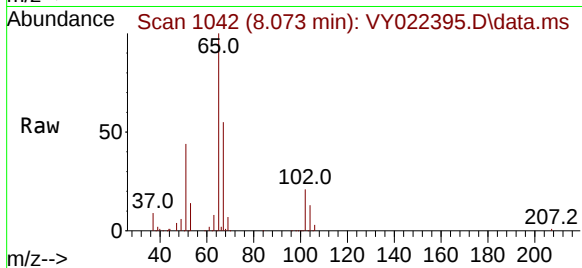
TP-40

Tgt Ion: 65 Resp: 83592

Ion Ratio Lower Upper

65 100

67 53.2 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: VY022395.D

Acq: 22 May 2025 14:55

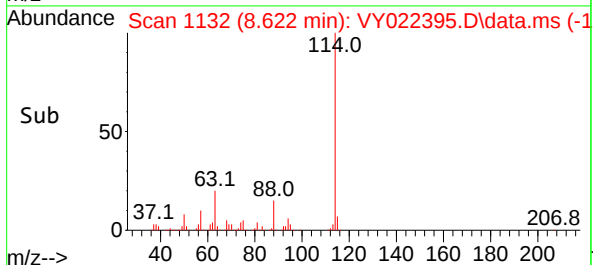
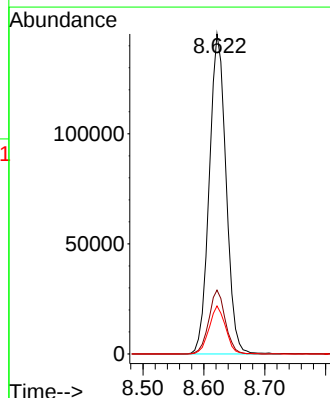
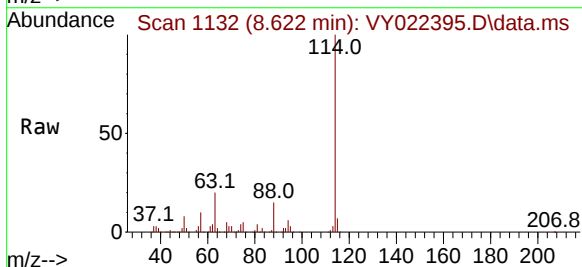
Tgt Ion: 114 Resp: 278478

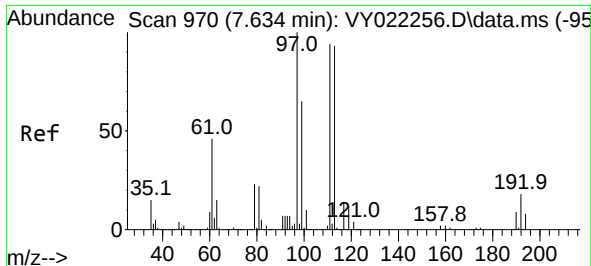
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.0

88 15.0 0.0 29.4

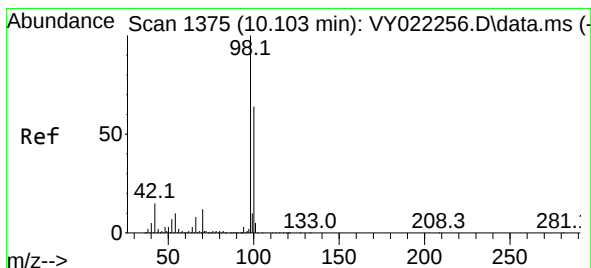
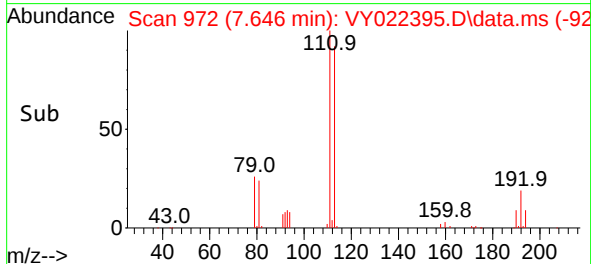
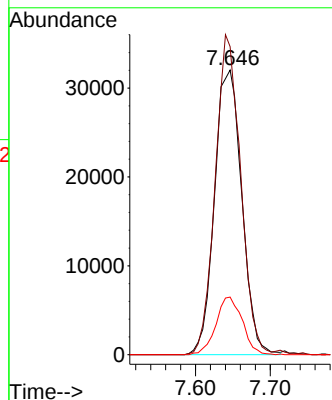
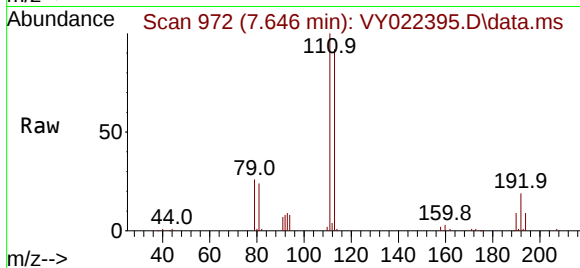




#35
Dibromofluoromethane
Concen: 48.998 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022395.D
Acq: 22 May 2025 14:55

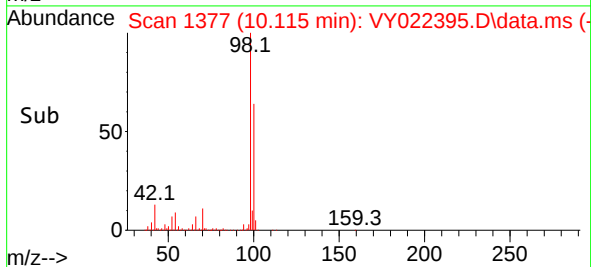
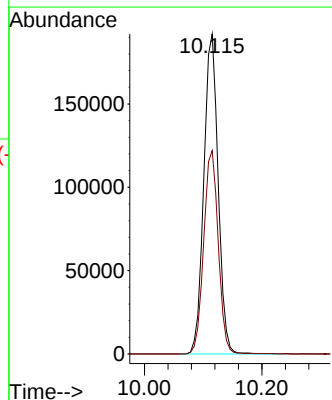
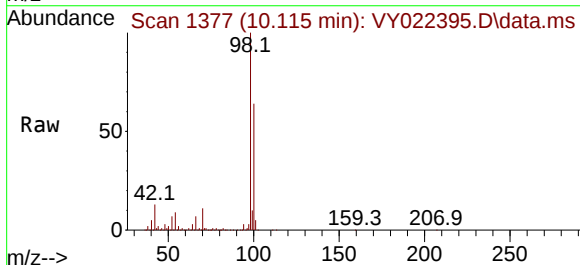
Instrument :
MSVOA_Y
ClientSampleId :
TP-40

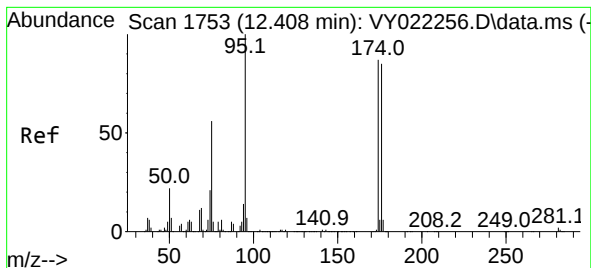
Tgt Ion:113 Resp: 81440
Ion Ratio Lower Upper
113 100
111 104.2 82.6 123.8
192 19.6 15.2 22.8



#50
Toluene-d8
Concen: 47.728 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022395.D
Acq: 22 May 2025 14:55

Tgt Ion: 98 Resp: 324899
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8

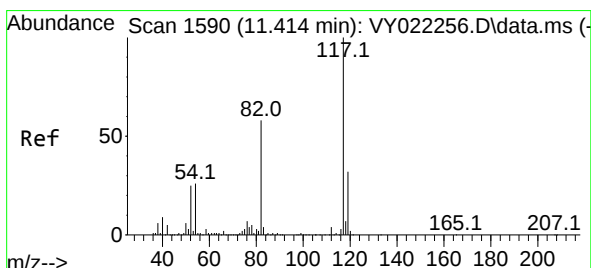
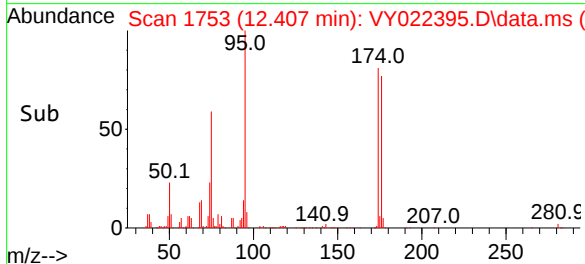
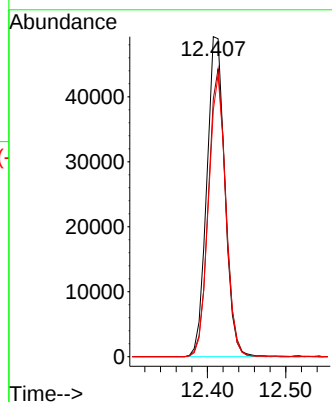
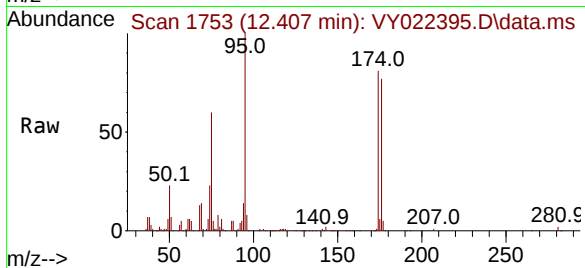




#62
4-Bromofluorobenzene
Concen: 36.466 ug/l
RT: 12.407 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022395.D
Acq: 22 May 2025 14:55

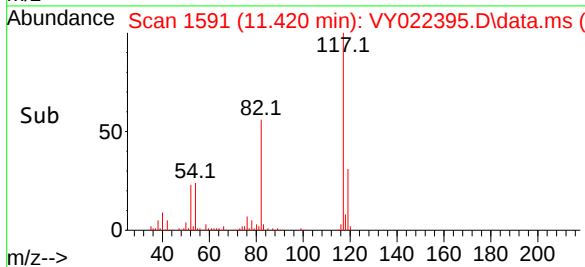
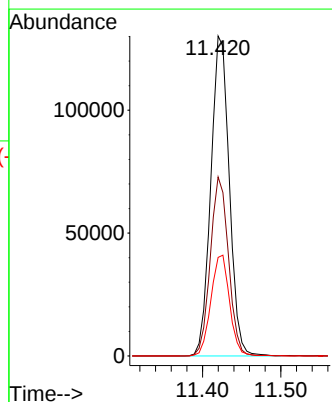
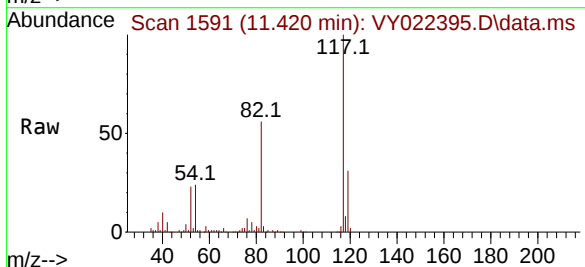
Instrument :
MSVOA_Y
ClientSampleId :
TP-40

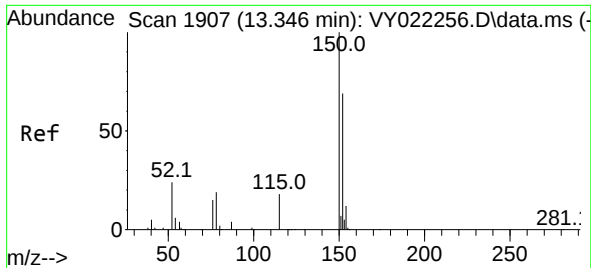
Tgt Ion: 95 Resp: 78682
Ion Ratio Lower Upper
95 100
174 87.1 0.0 166.8
176 83.9 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022395.D
Acq: 22 May 2025 14:55

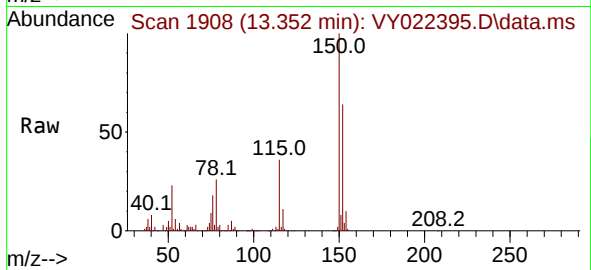
Tgt Ion: 117 Resp: 213324
Ion Ratio Lower Upper
117 100
82 56.0 46.6 70.0
119 30.8 25.8 38.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VY022395.D
 Acq: 22 May 2025 14:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-40



Tgt Ion:152 Resp: 75609
 Ion Ratio Lower Upper
 152 100
 115 57.3 29.4 88.2
 150 157.1 0.0 353.8

