

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022793.D
 Acq On : 24 Jun 2025 13:32
 Operator : SY/MD
 Sample : Q2363-01
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GCAP1

Quant Time: Jun 25 01:25:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

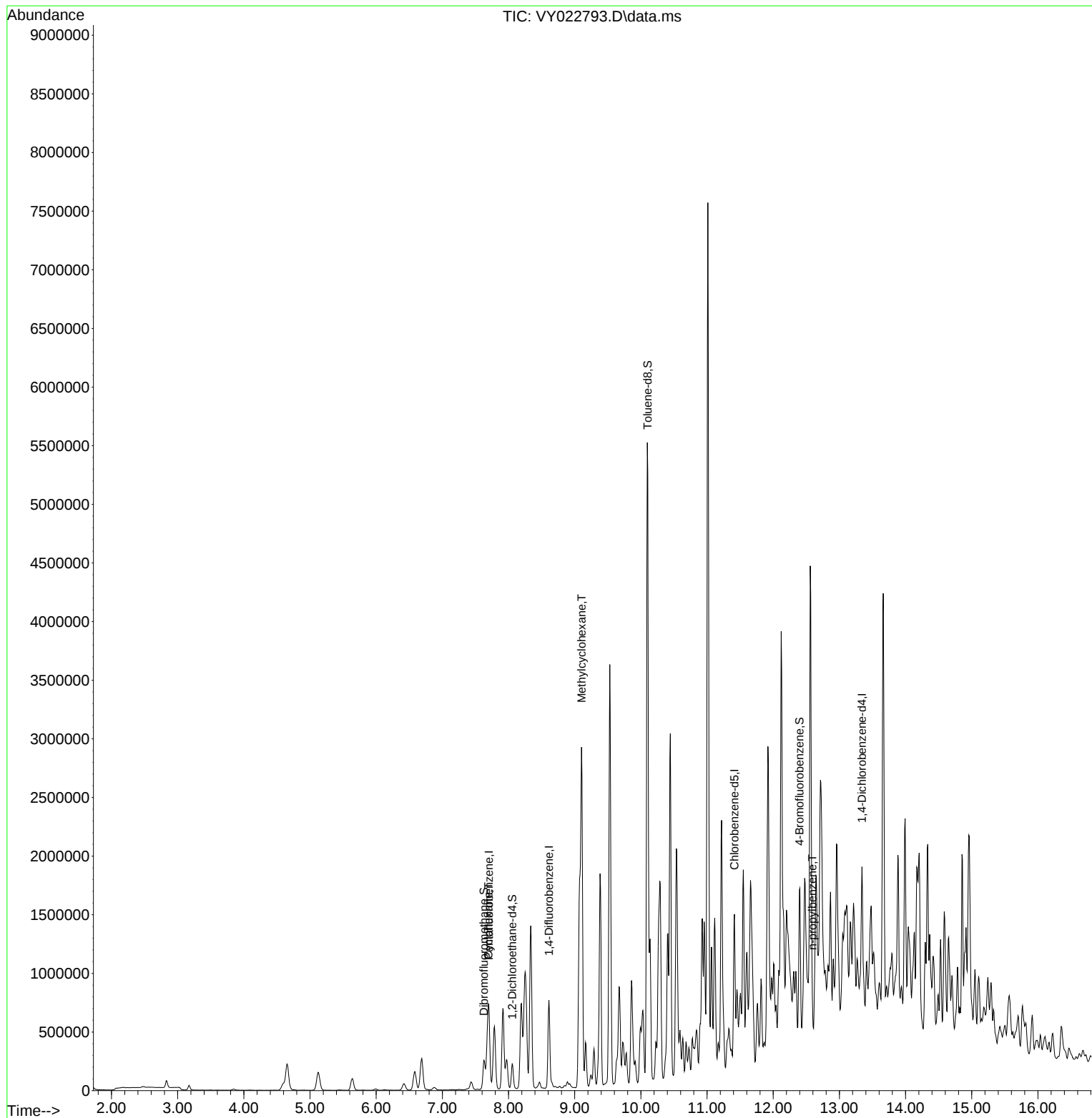
Internal Standards						
1) Pentafluorobenzene	7.701	168	325185	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	571084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	576784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	303388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	165802	45.683	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.360%
35) Dibromofluoromethane	7.628	113	173360	49.916	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.840%
50) Toluene-d8	10.103	98	896002	65.014	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	130.020%
62) 4-Bromofluorobenzene	12.396	95	365336	82.462	ug/l	-0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	164.920%#
Target Compounds						
					Qvalue	
31) Cyclohexane	7.695	56	185350	29.732	ug/l	94
39) Methylcyclohexane	9.103	83	1398906	205.343	ug/l	99
78) n-propylbenzene	12.591	91	106853	3.944	ug/l	93

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

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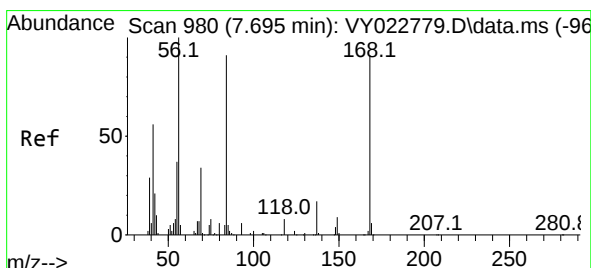
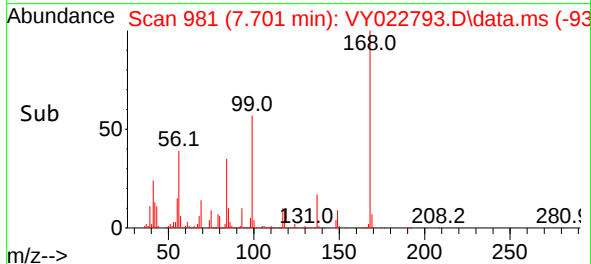
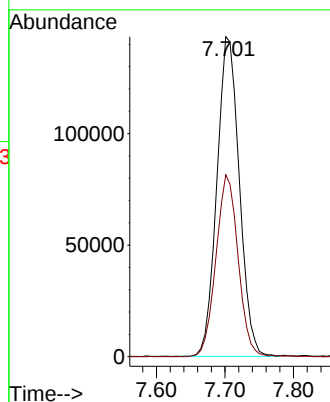
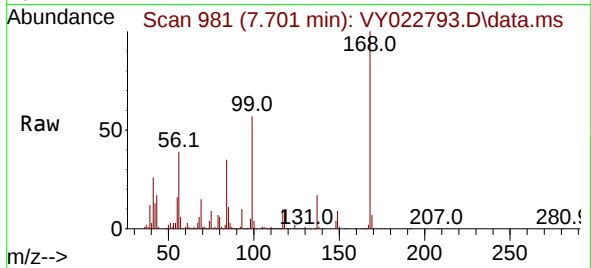




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022793.D
Acq: 24 Jun 2025 13:32

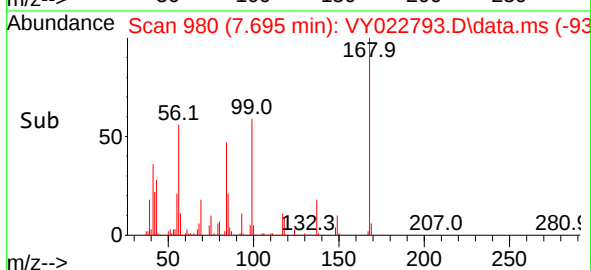
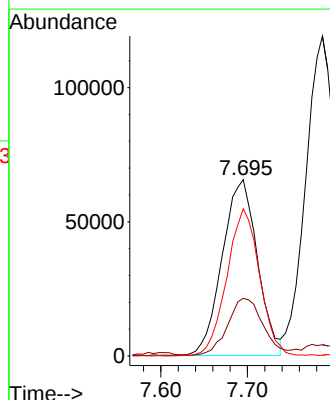
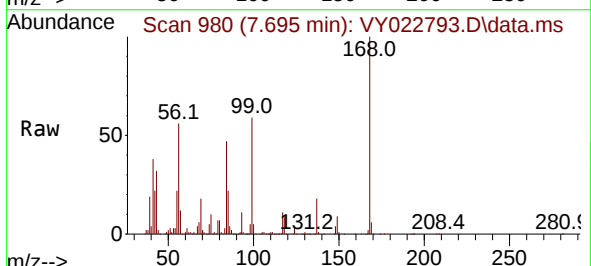
Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

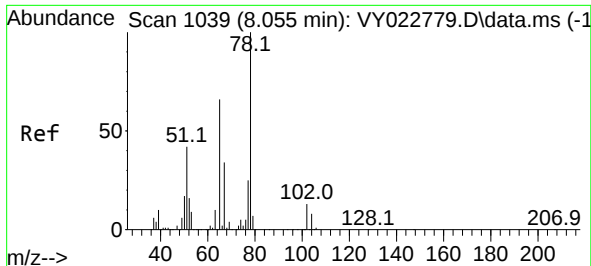
Tgt Ion:168 Resp: 325185
Ion Ratio Lower Upper
168 100
99 56.9 44.3 66.5



#31
Cyclohexane
Concen: 29.732 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.012 min
Lab File: VY022793.D
Acq: 24 Jun 2025 13:32

Tgt Ion: 56 Resp: 185350
Ion Ratio Lower Upper
56 100
69 32.0 27.0 40.6
84 83.5 72.6 109.0

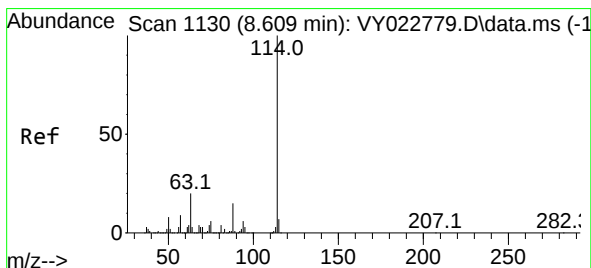
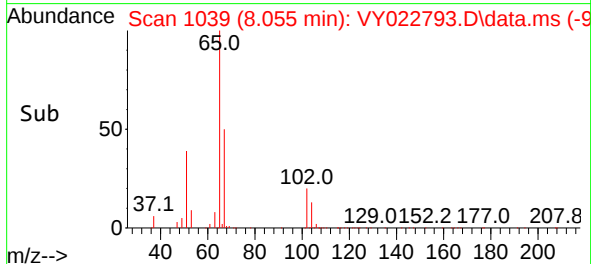
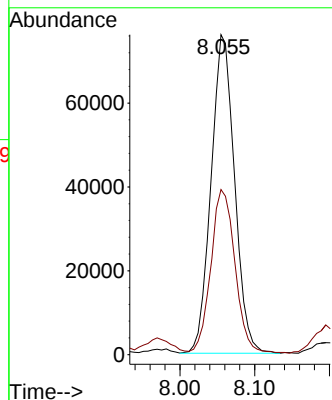
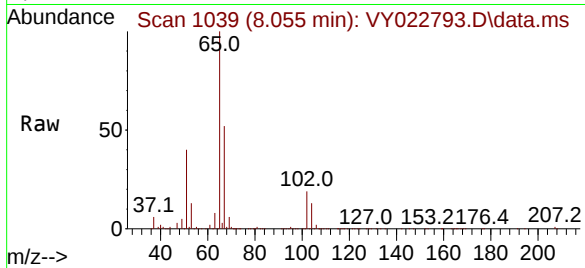




#33
 1,2-Dichloroethane-d4
 Concen: 45.683 ug/l
 RT: 8.055 min Scan# 1039
 Delta R.T. -0.012 min
 Lab File: VY022793.D
 Acq: 24 Jun 2025 13:32

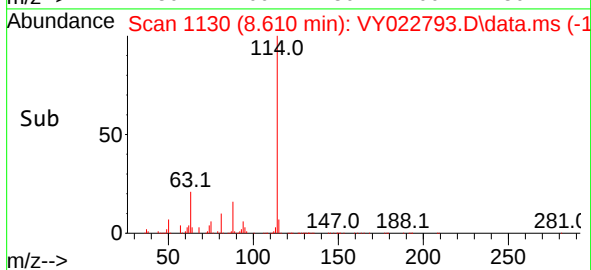
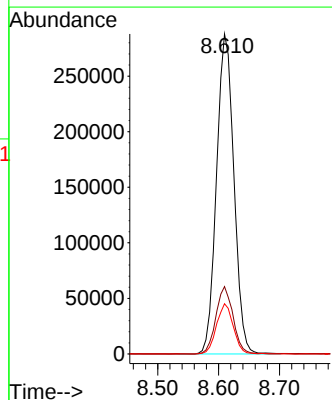
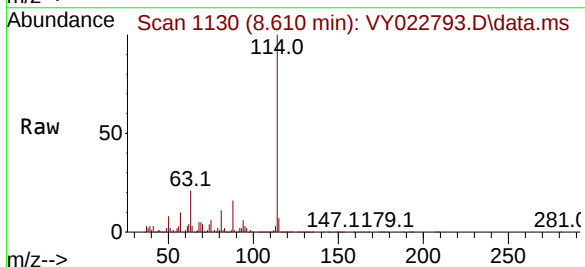
Instrument :
 MSVOA_Y
 ClientSampleId :
 GCAP1

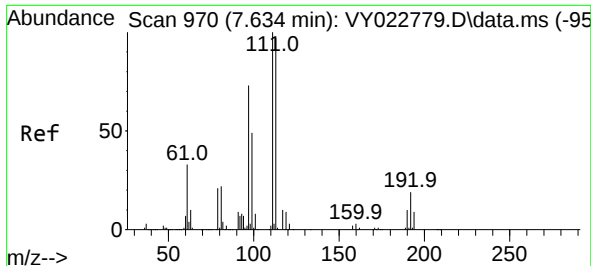
Tgt Ion: 65 Resp: 165802
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.610 min Scan# 1130
 Delta R.T. -0.006 min
 Lab File: VY022793.D
 Acq: 24 Jun 2025 13:32

Tgt Ion: 114 Resp: 571084
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.8
 88 15.7 0.0 27.8

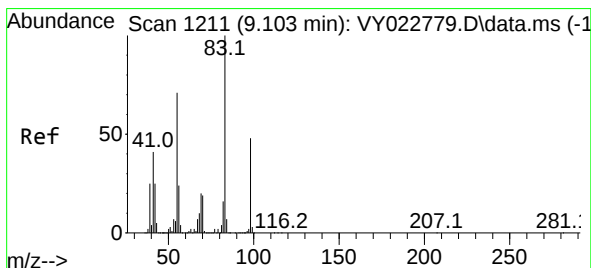
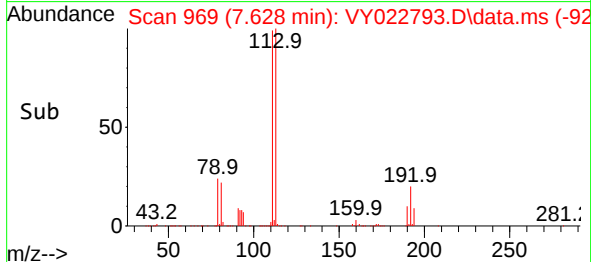
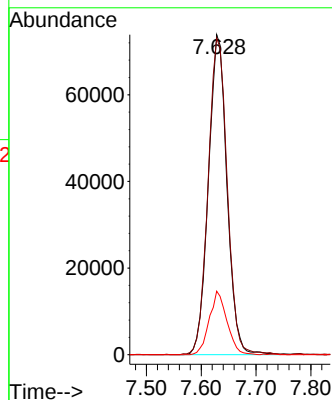
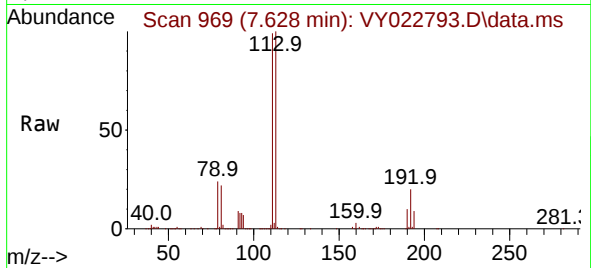




#35
Dibromofluoromethane
Concen: 49.916 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022793.D
Acq: 24 Jun 2025 13:32

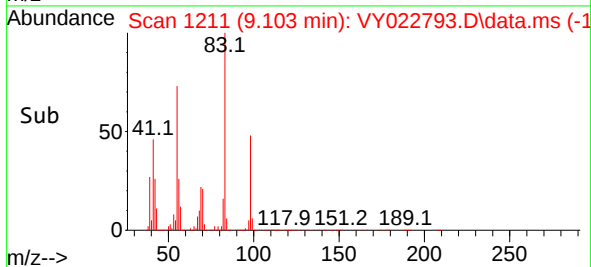
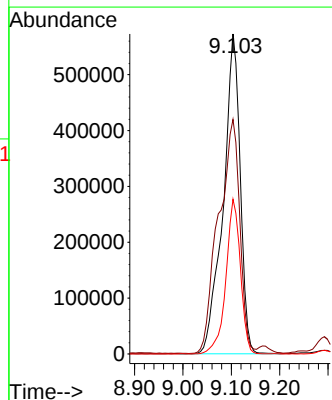
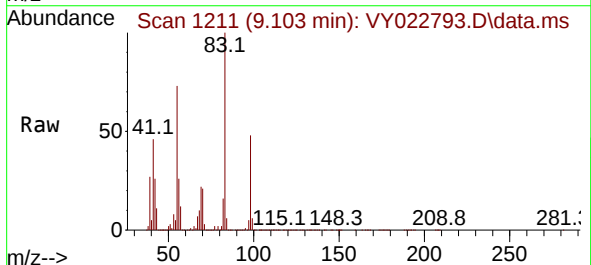
Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

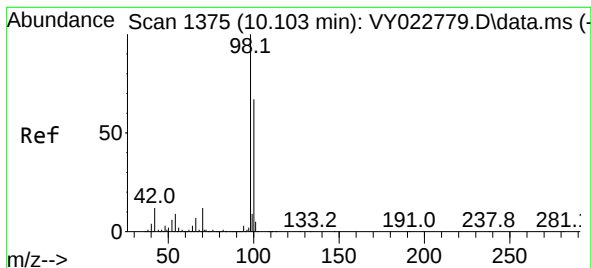
Tgt Ion:113 Resp: 173360
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 18.9 14.2 21.2



#39
Methylcyclohexane
Concen: 205.343 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.012 min
Lab File: VY022793.D
Acq: 24 Jun 2025 13:32

Tgt Ion: 83 Resp: 1398906
Ion Ratio Lower Upper
83 100
55 73.1 58.1 87.1
98 48.4 39.0 58.6

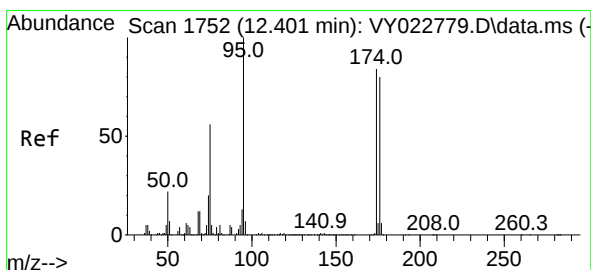
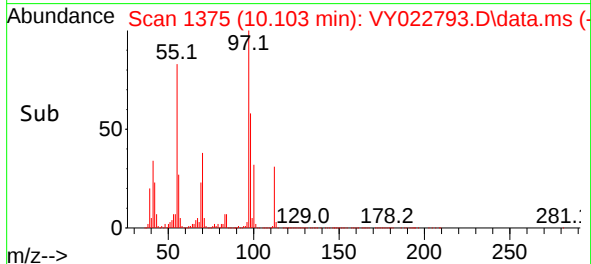
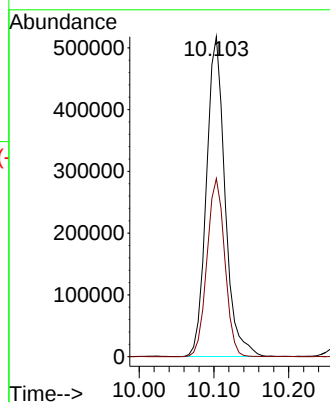
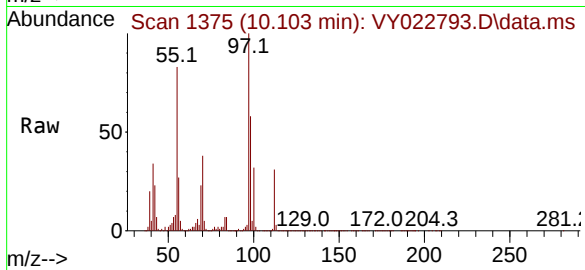




#50
Toluene-d8
Concen: 65.014 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022793.D
Acq: 24 Jun 2025 13:32

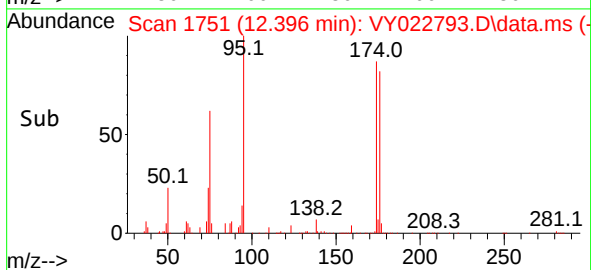
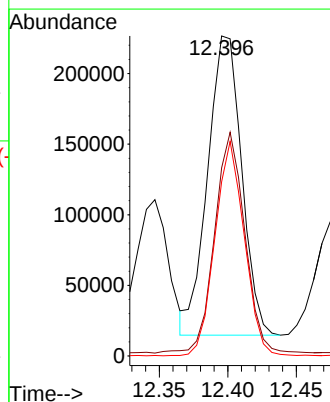
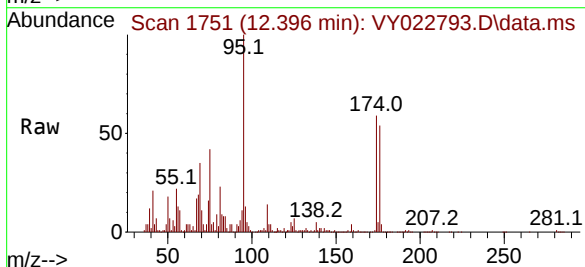
Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

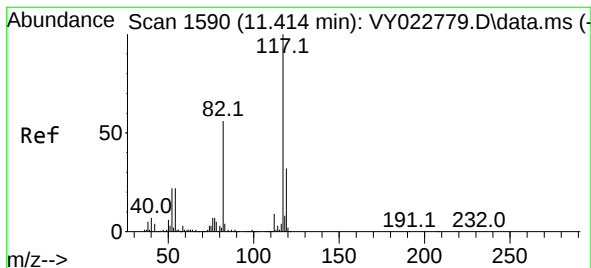
Tgt Ion: 98 Resp: 896002
Ion Ratio Lower Upper
98 100
100 53.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 82.462 ug/l
RT: 12.396 min Scan# 1751
Delta R.T. -0.012 min
Lab File: VY022793.D
Acq: 24 Jun 2025 13:32

Tgt Ion: 95 Resp: 365336
Ion Ratio Lower Upper
95 100
174 65.7 0.0 170.0
176 61.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022793.D

Acq: 24 Jun 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

GCAP1

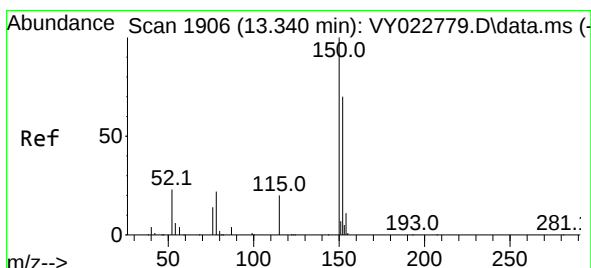
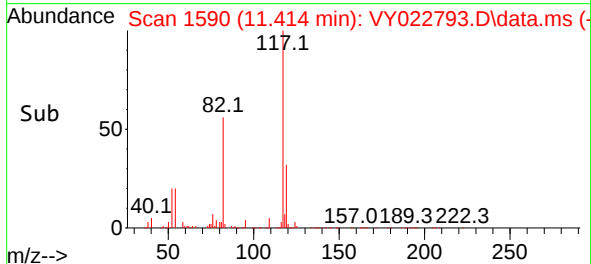
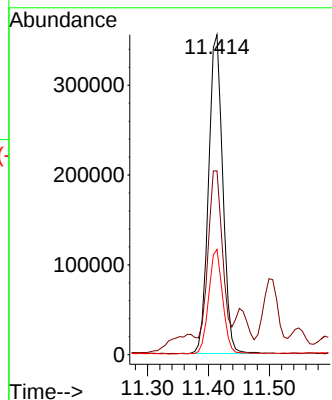
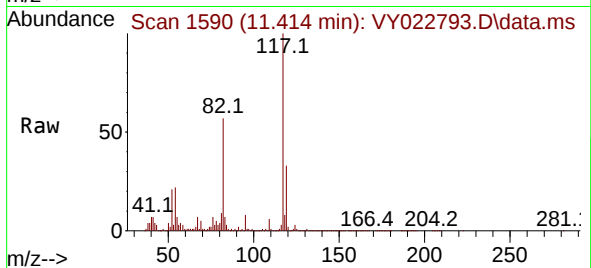
Tgt Ion:117 Resp: 576784

Ion Ratio Lower Upper

117 100

82 52.0 44.6 66.8

119 32.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022793.D

Acq: 24 Jun 2025 13:32

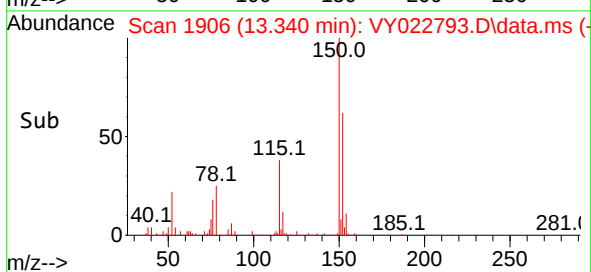
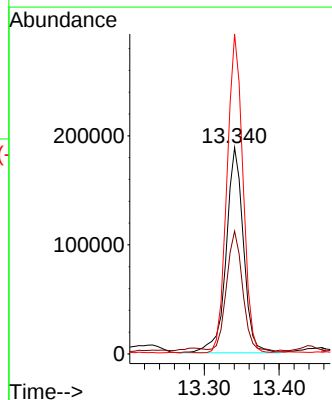
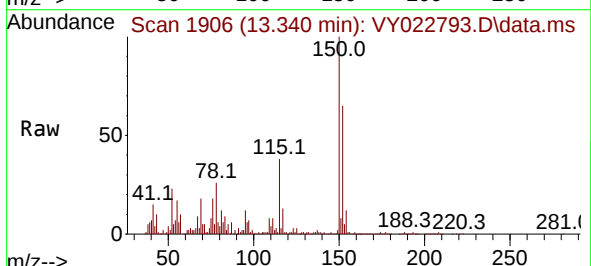
Tgt Ion:152 Resp: 303388

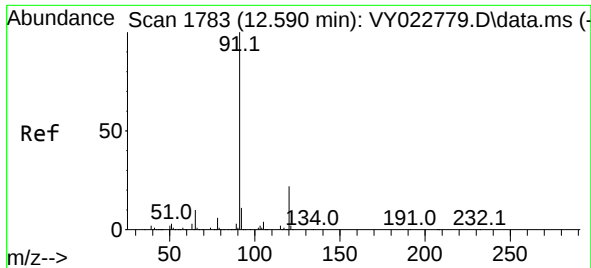
Ion Ratio Lower Upper

152 100

115 55.2 28.9 86.7

150 142.9 0.0 349.6





#78
 n-propylbenzene
 Concen: 3.944 ug/l
 RT: 12.591 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY022793.D
 Acq: 24 Jun 2025 13:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 GCAP1

Tgt Ion: 91 Resp: 106853
 Ion Ratio Lower Upper
 91 100
 120 18.4 10.8 32.4

