

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022857.D
 Acq On : 27 Jun 2025 13:22
 Operator : SY/MD
 Sample : Q2436-02
 Misc : 6.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-69

Quant Time: Jun 27 23:17:19 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)

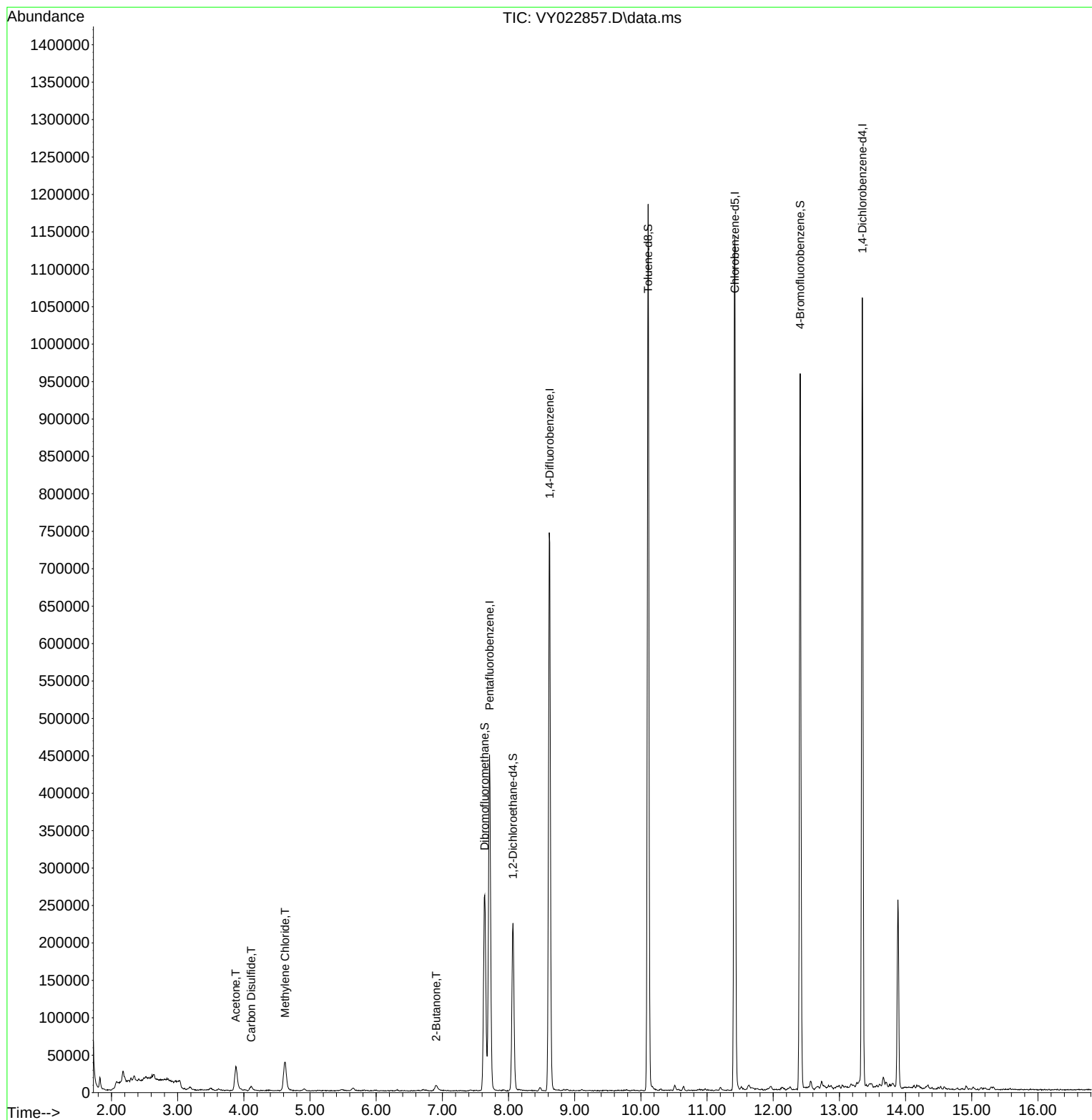
Internal Standards						
1) Pentafluorobenzene	7.713	168	340803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	625770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	598373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	255220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	178070	46.815	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.620%
35) Dibromofluoromethane	7.640	113	189953	49.914	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.820%
50) Toluene-d8	10.109	98	748141	49.542	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.080%
62) 4-Bromofluorobenzene	12.408	95	262926	54.160	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.320%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	59812	83.196	ug/l	96
17) Carbon Disulfide	4.110	76	11378	1.021	ug/l #	95
20) Methylene Chloride	4.622	84	28478	6.272	ug/l	93
25) 2-Butanone	6.909	43	10979	10.493	ug/l	98

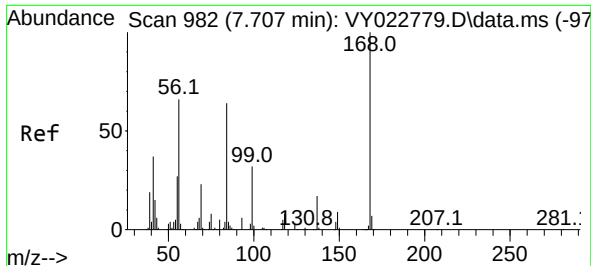
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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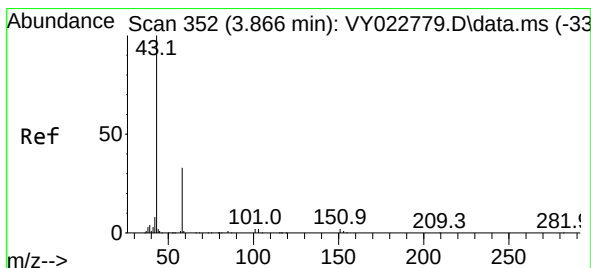
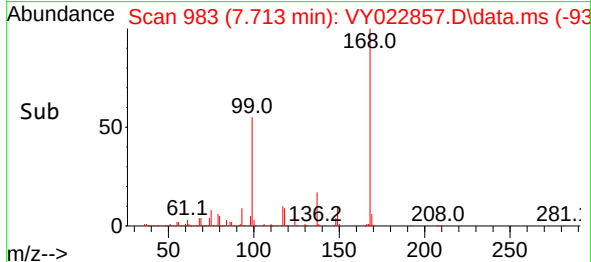
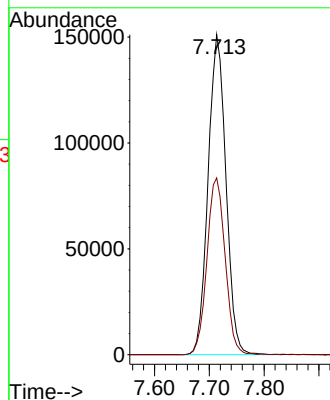
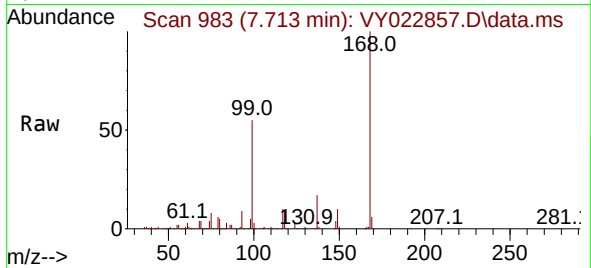




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

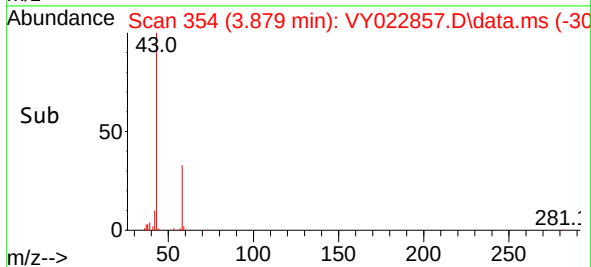
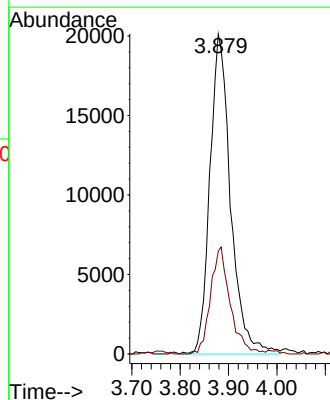
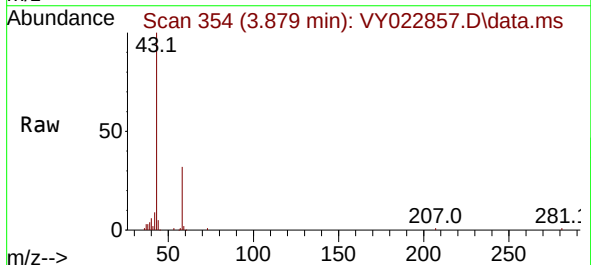
Instrument :
MSVOA_Y
ClientSampleId :
TP-69

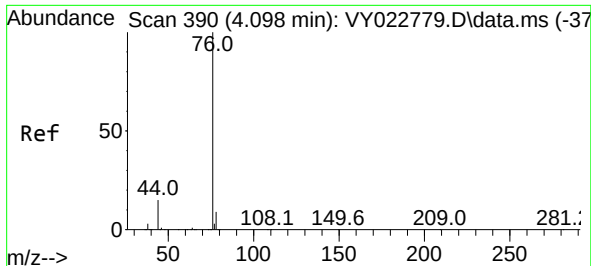
Tgt Ion:168 Resp: 340803
Ion Ratio Lower Upper
168 100
99 55.3 44.3 66.5



#16
Acetone
Concen: 83.196 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

Tgt Ion: 43 Resp: 59812
Ion Ratio Lower Upper
43 100
58 32.2 24.0 36.0

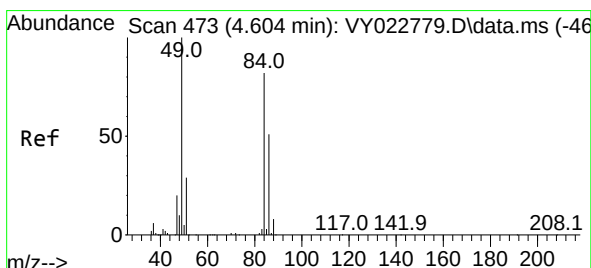
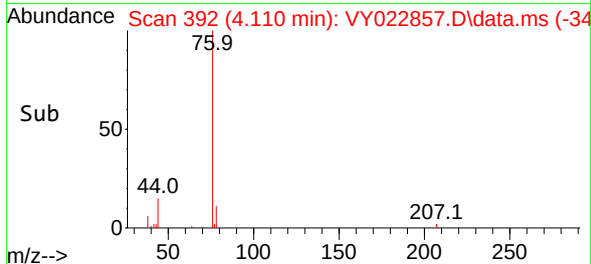
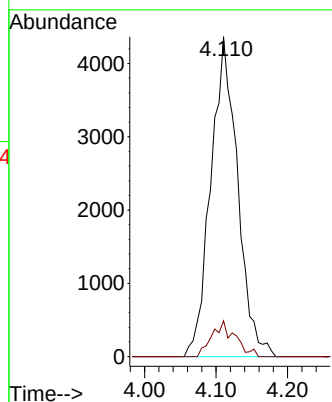
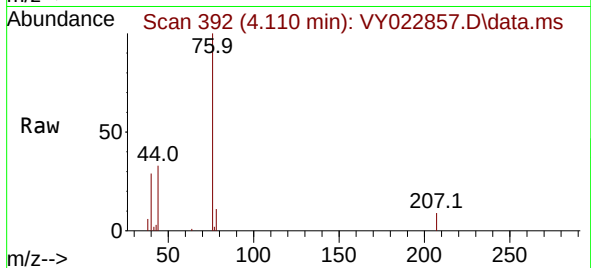




#17
Carbon Disulfide
Concen: 1.021 ug/l
RT: 4.110 min Scan# 390
Delta R.T. -0.000 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

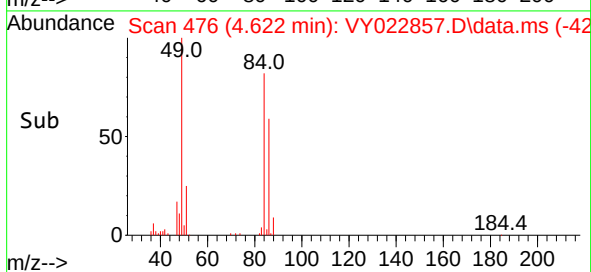
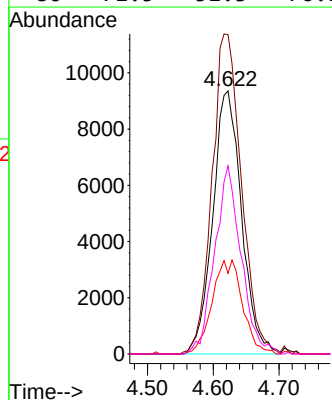
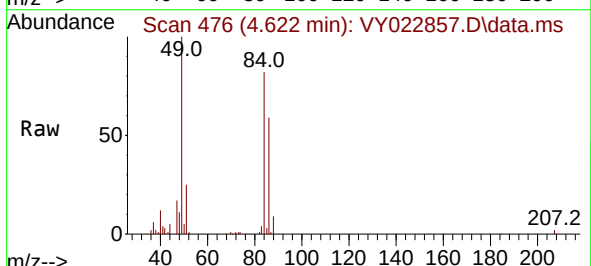
Instrument :
MSVOA_Y
ClientSampleId :
TP-69

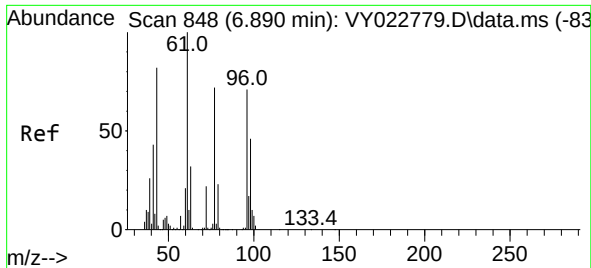
Tgt Ion: 76 Resp: 11378
Ion Ratio Lower Upper
76 100
78 11.2 7.4 11.2#



#20
Methylene Chloride
Concen: 6.272 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

Tgt Ion: 84 Resp: 28478
Ion Ratio Lower Upper
84 100
49 121.4 101.9 152.9
51 30.7 29.8 44.8
86 71.5 51.3 76.9

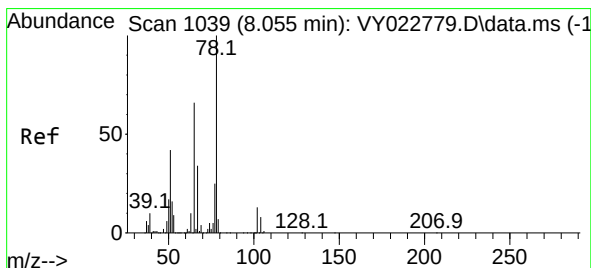
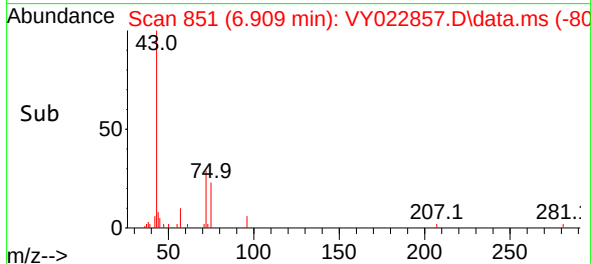
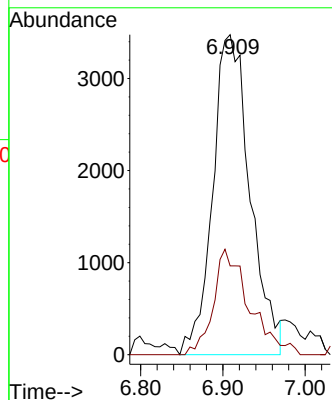
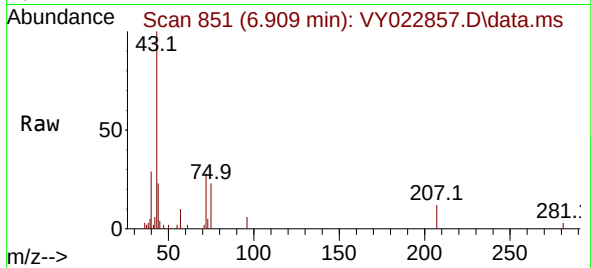




#25
2-Butanone
Concen: 10.493 ug/l
RT: 6.909 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

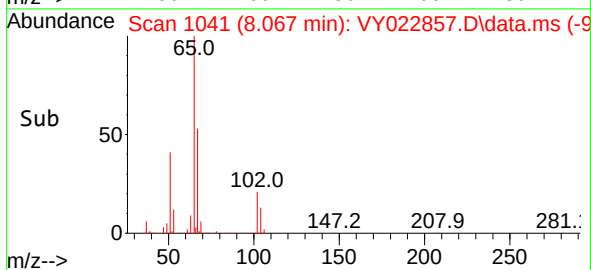
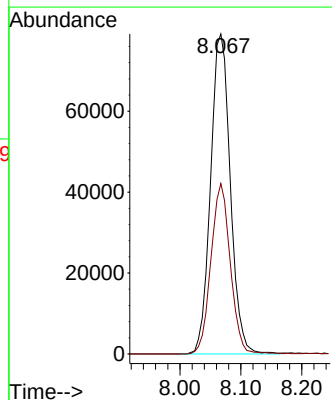
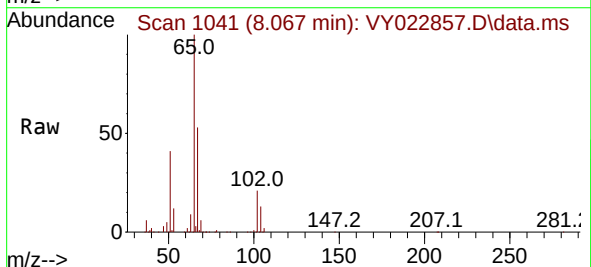
Instrument :
MSVOA_Y
ClientSampleId :
TP-69

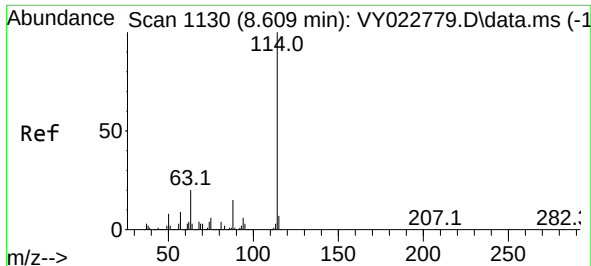
Tgt Ion: 43 Resp: 10979
Ion Ratio Lower Upper
43 100
72 27.8 22.9 34.3



#33
1,2-Dichloroethane-d4
Concen: 46.815 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

Tgt Ion: 65 Resp: 178070
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4

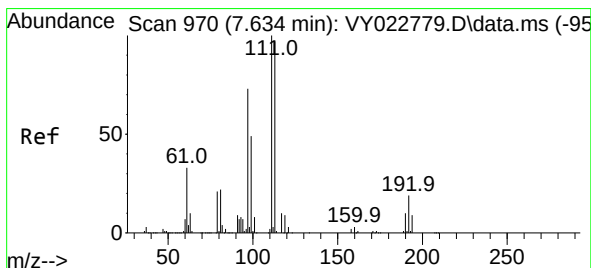
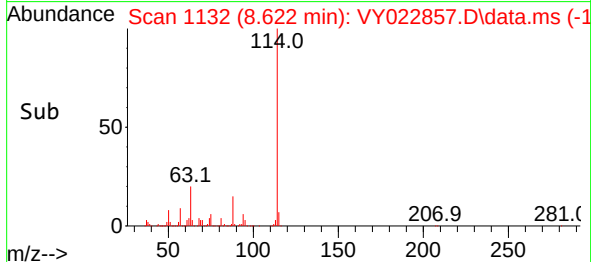
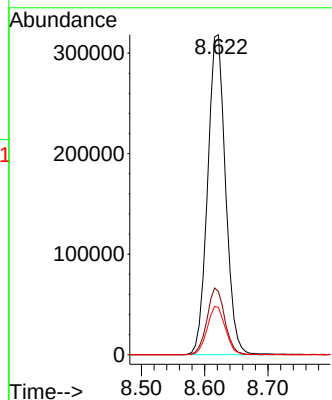
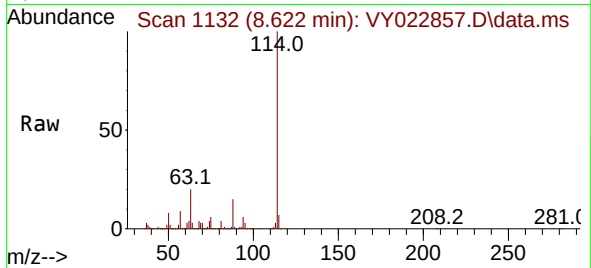




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

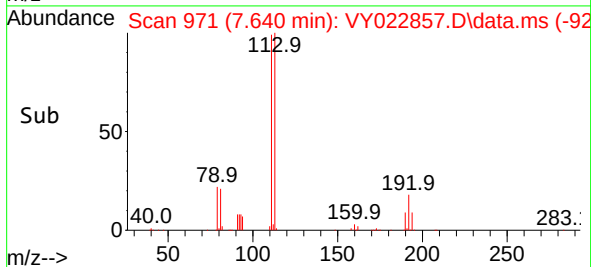
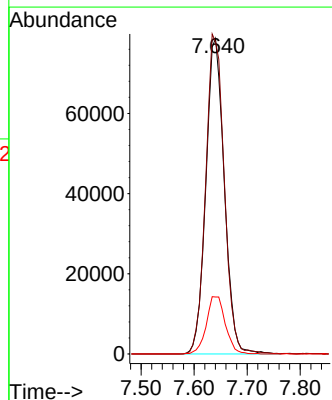
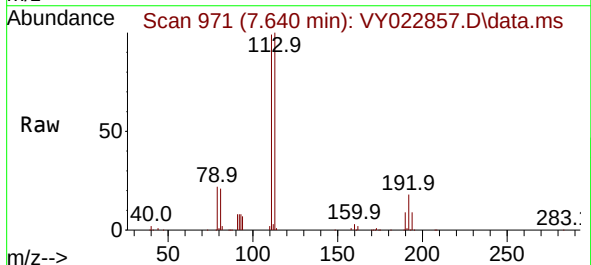
Instrument :
MSVOA_Y
ClientSampleId :
TP-69

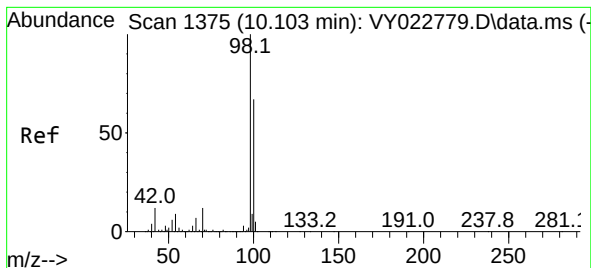
Tgt Ion:114 Resp: 625770
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 14.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.914 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

Tgt Ion:113 Resp: 189953
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 18.8 14.2 21.2





#50

Toluene-d8

Concen: 49.542 ug/l

RT: 10.109 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022857.D

Acq: 27 Jun 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

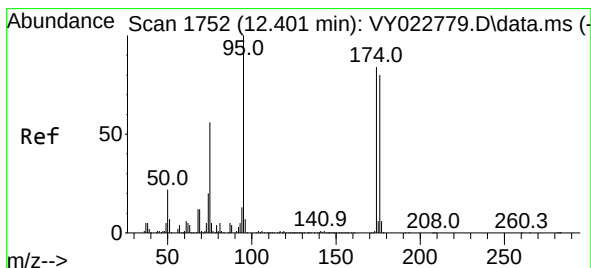
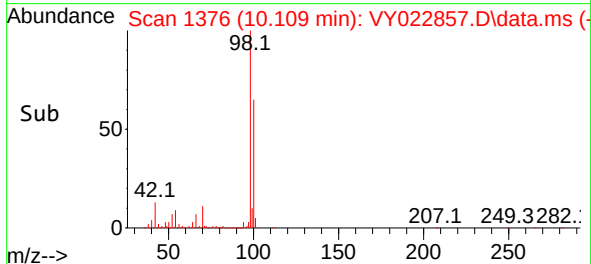
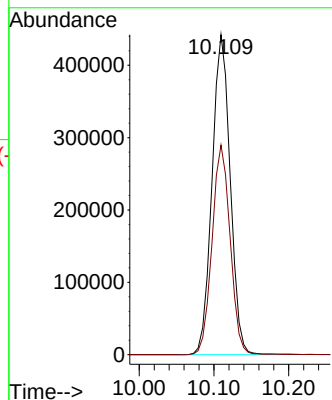
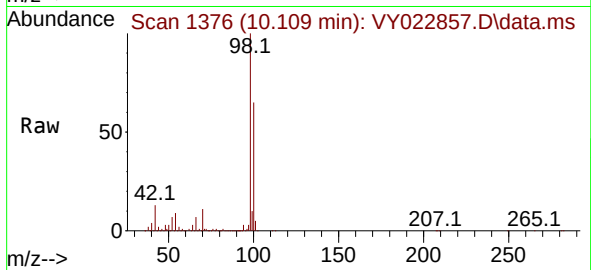
TP-69

Tgt Ion: 98 Resp: 748141

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 54.160 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY022857.D

Acq: 27 Jun 2025 13:22

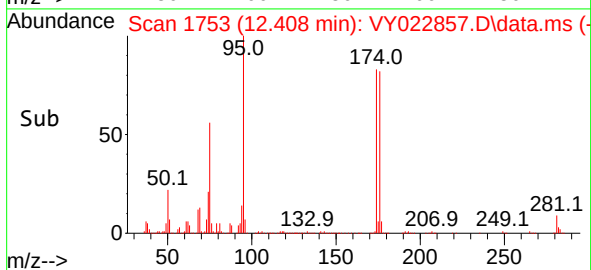
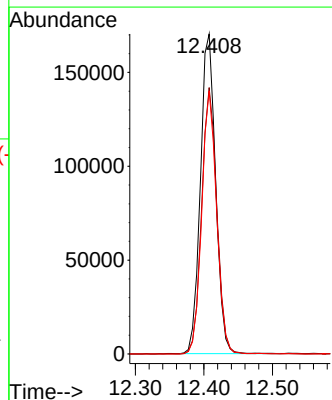
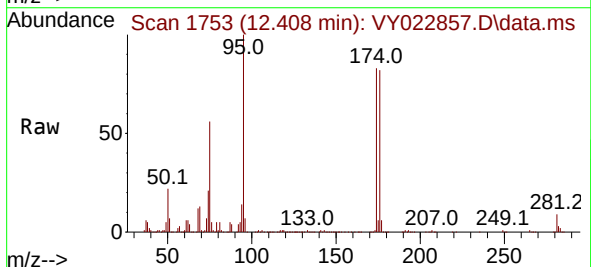
Tgt Ion: 95 Resp: 262926

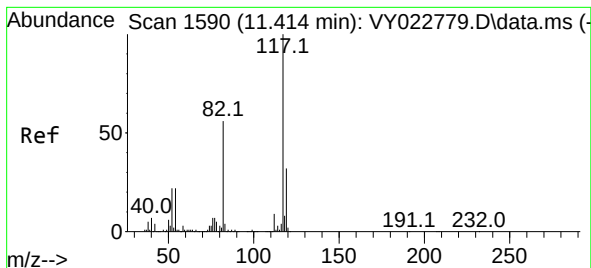
Ion Ratio Lower Upper

95 100

174 83.4 0.0 170.0

176 80.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022857.D

Acq: 27 Jun 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-69

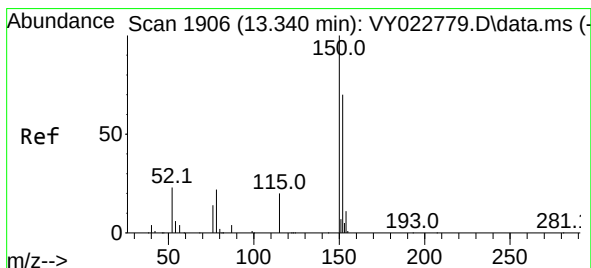
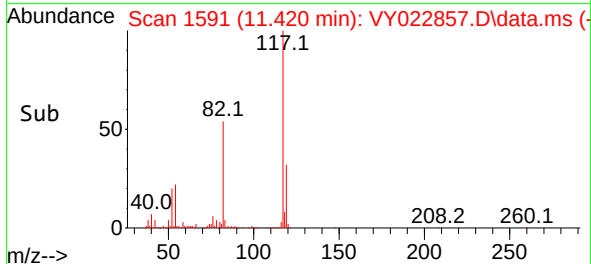
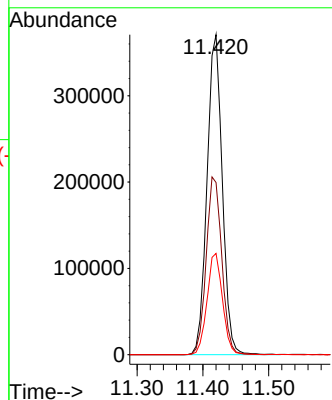
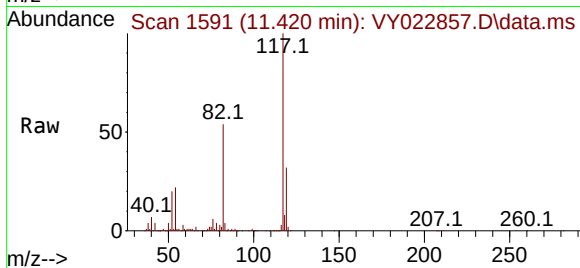
Tgt Ion:117 Resp: 598373

Ion Ratio Lower Upper

117 100

82 53.8 44.6 66.8

119 31.7 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022857.D

Acq: 27 Jun 2025 13:22

Tgt Ion:152 Resp: 255220

Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

150 157.2 0.0 349.6

