

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022878.D
 Acq On : 30 Jun 2025 14:28
 Operator : SY/MD
 Sample : Q2436-04
 Misc : 6.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-86

Quant Time: Jul 01 03:37:50 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)

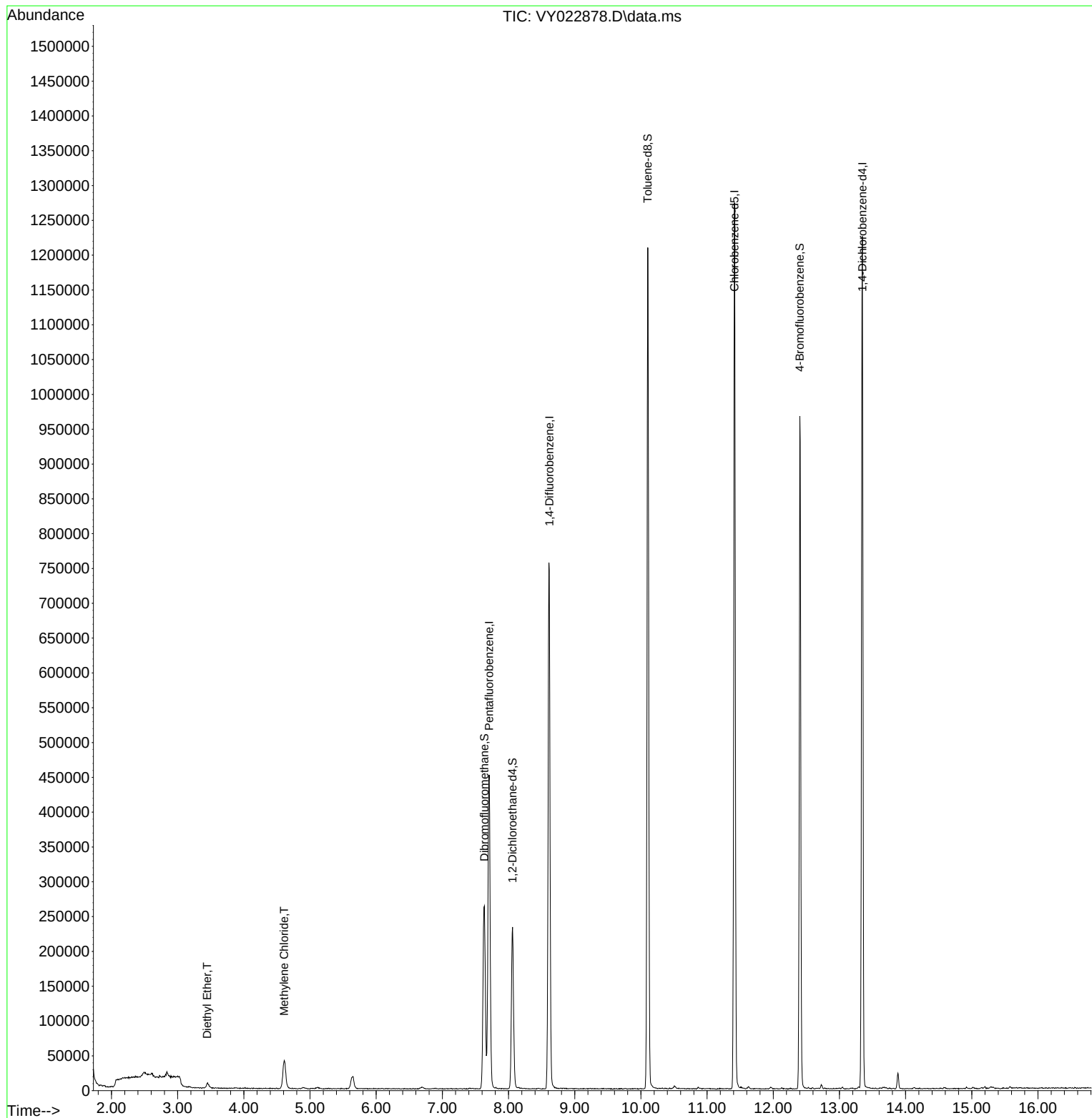
Internal Standards						
1) Pentafluorobenzene	7.707	168	346216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	639767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	633746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	290240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	186161	48.177	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.360%
35) Dibromofluoromethane	7.634	113	193368	49.699	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.400%
50) Toluene-d8	10.103	98	774867	50.189	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.380%
62) 4-Bromofluorobenzene	12.402	95	287178	57.862	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	115.720%
Target Compounds						
8) Diethyl Ether	3.446	74	3708	1.920	ug/l	79
20) Methylene Chloride	4.610	84	30216	6.551	ug/l	94

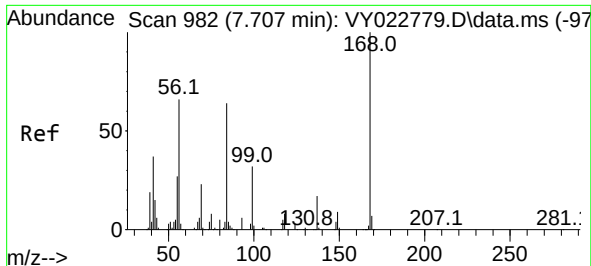
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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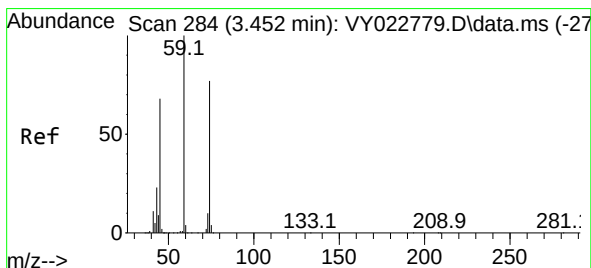
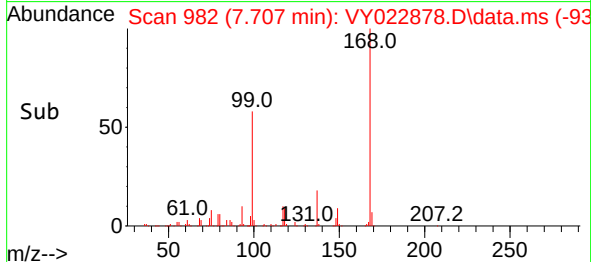
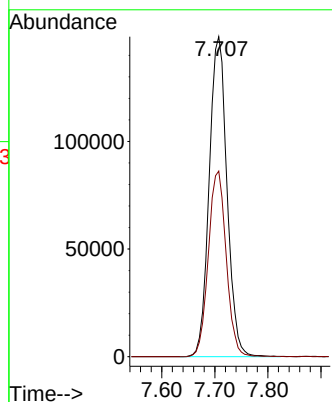
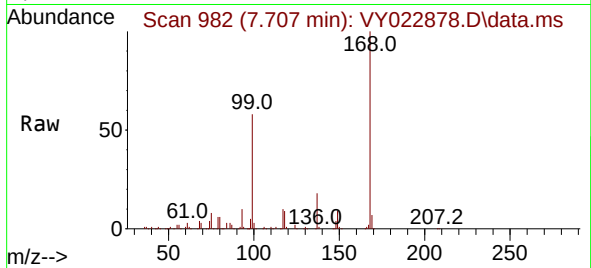




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022878.D
Acq: 30 Jun 2025 14:28

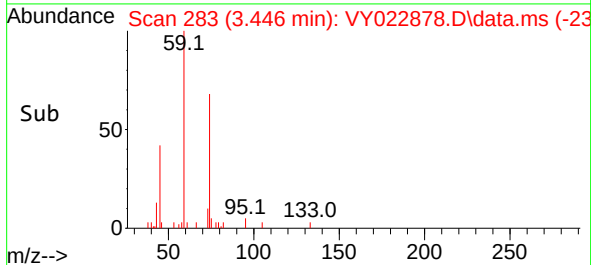
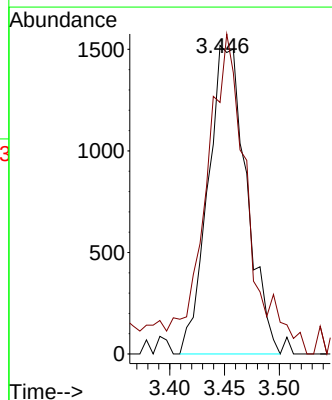
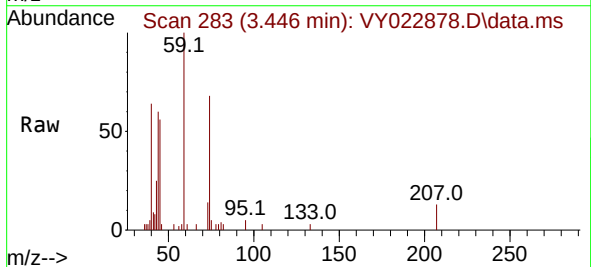
Instrument :
MSVOA_Y
ClientSampleId :
TP-86

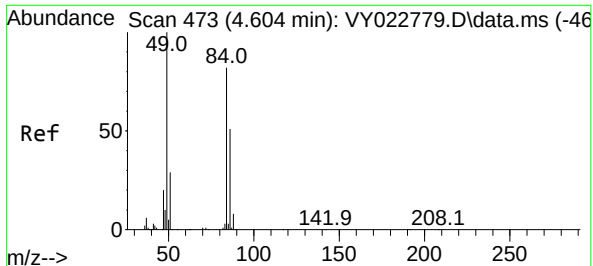
Tgt Ion:168 Resp: 346216
Ion Ratio Lower Upper
168 100
99 58.0 44.3 66.5



#8
Diethyl Ether
Concen: 1.920 ug/l
RT: 3.446 min Scan# 283
Delta R.T. -0.018 min
Lab File: VY022878.D
Acq: 30 Jun 2025 14:28

Tgt Ion: 74 Resp: 3708
Ion Ratio Lower Upper
74 100
45 112.0 45.9 137.6

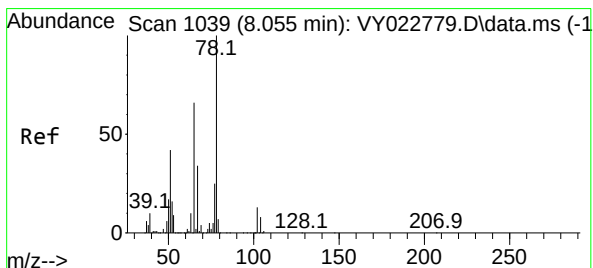
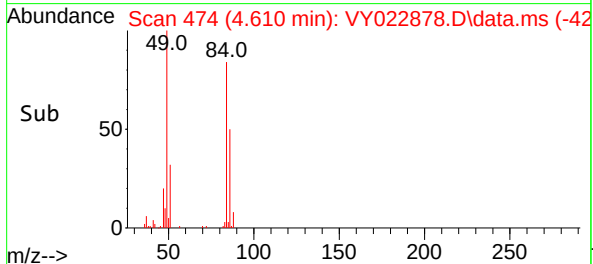
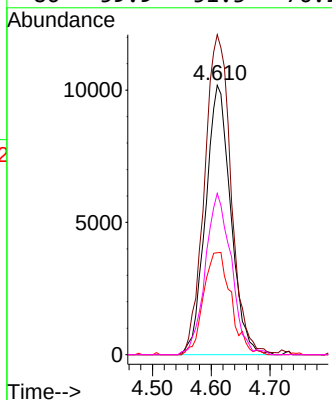
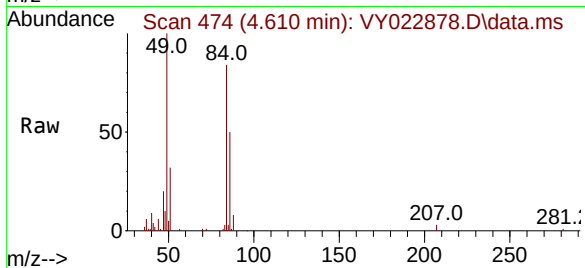




#20
Methylene Chloride
Concen: 6.551 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022878.D
Acq: 30 Jun 2025 14:28

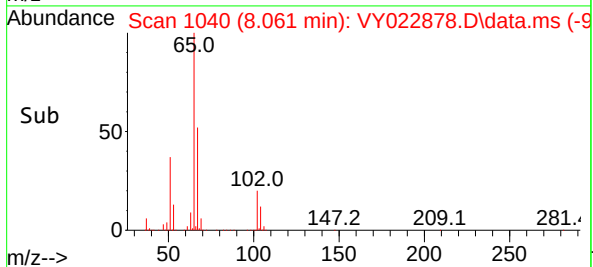
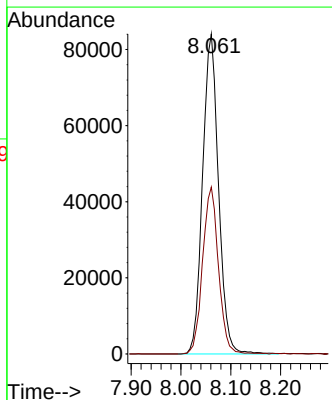
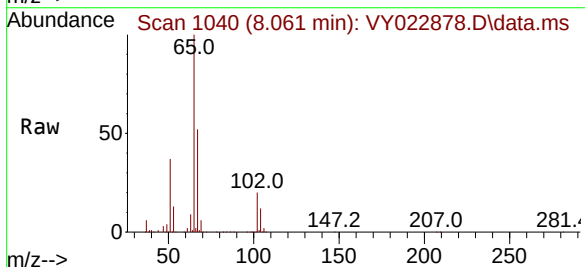
Instrument :
MSVOA_Y
ClientSampleId :
TP-86

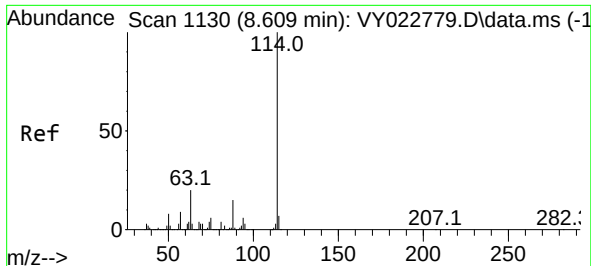
Tgt Ion: 84	Resp: 30216
Ion Ratio	Lower Upper
84 100	
49 118.8	101.9 152.9
51 37.8	29.8 44.8
86 59.9	51.3 76.9



#33
1,2-Dichloroethane-d4
Concen: 48.177 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022878.D
Acq: 30 Jun 2025 14:28

Tgt Ion: 65	Resp: 186161
Ion Ratio	Lower Upper
65 100	
67 52.0	0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022878.D

Acq: 30 Jun 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-86

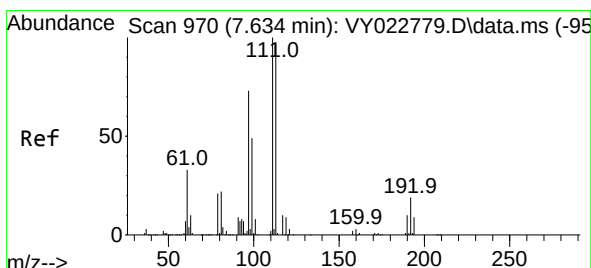
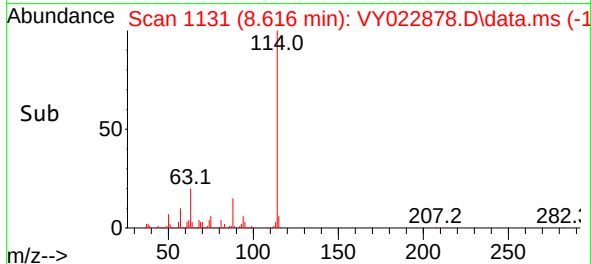
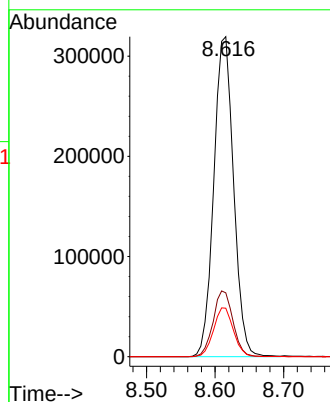
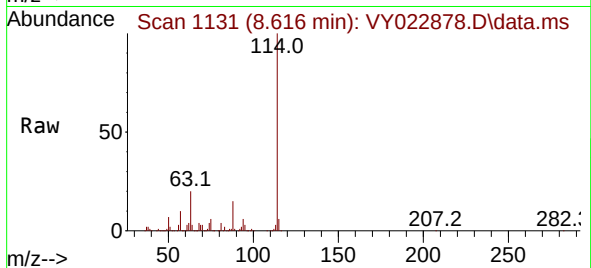
Tgt Ion:114 Resp: 639767

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 15.1 0.0 27.8



#35

Dibromofluoromethane

Concen: 49.699 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022878.D

Acq: 30 Jun 2025 14:28

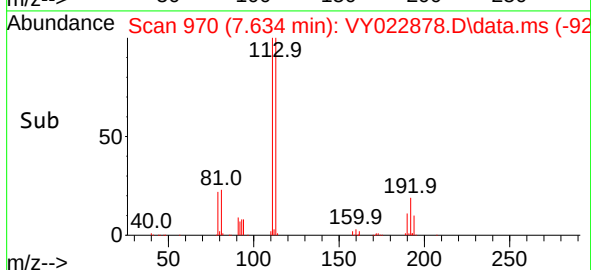
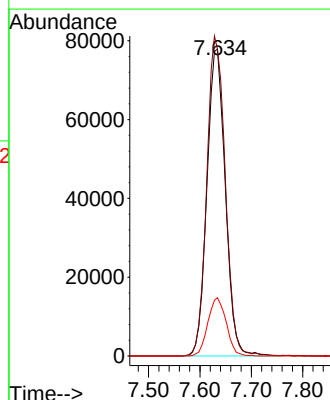
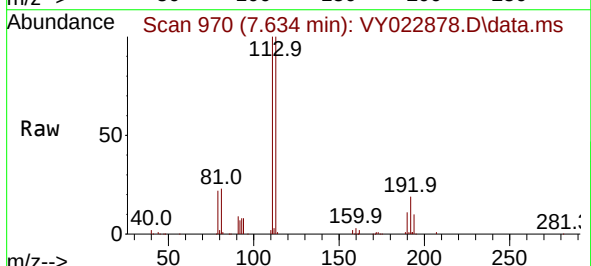
Tgt Ion:113 Resp: 193368

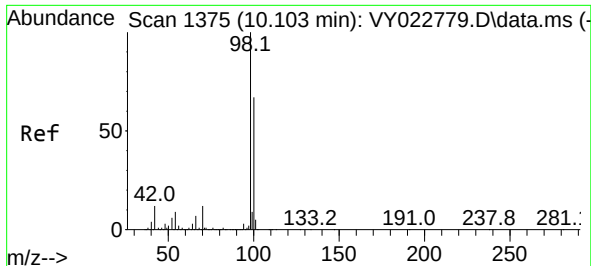
Ion Ratio Lower Upper

113 100

111 104.8 81.1 121.7

192 18.9 14.2 21.2

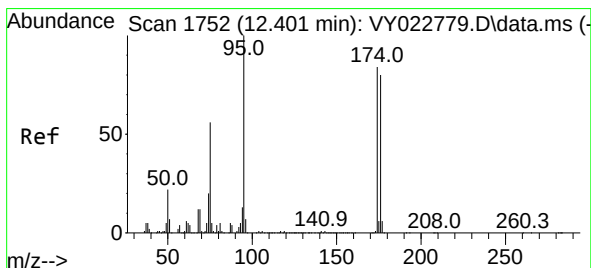
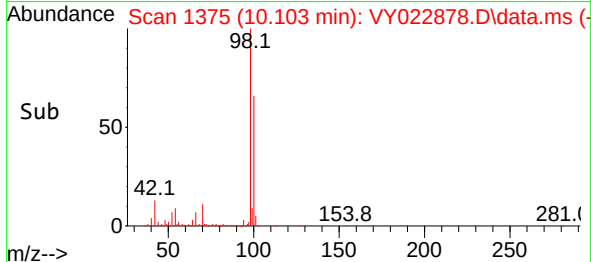
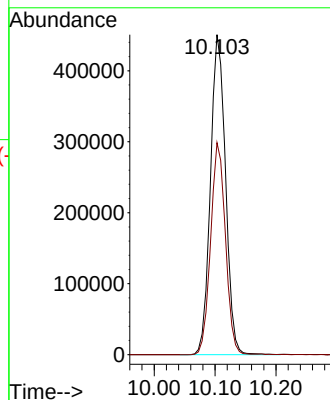
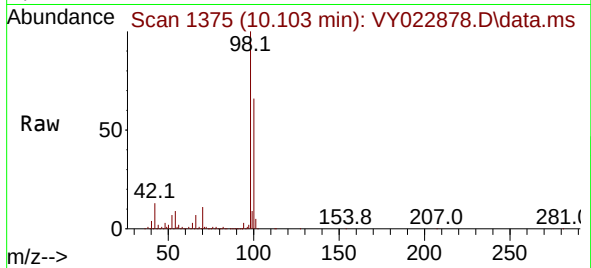




#50
Toluene-d8
Concen: 50.189 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022878.D
Acq: 30 Jun 2025 14:28

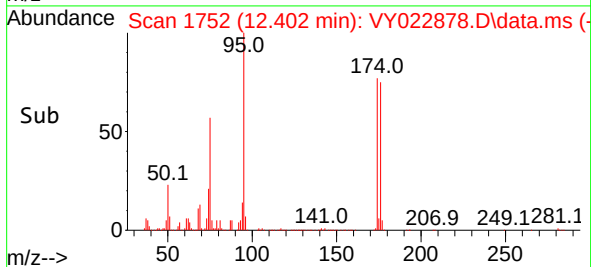
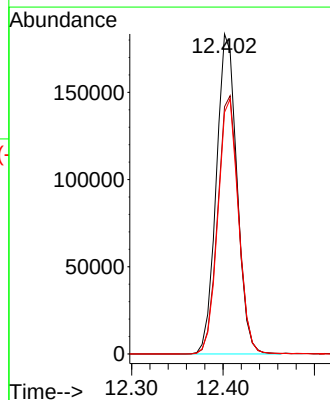
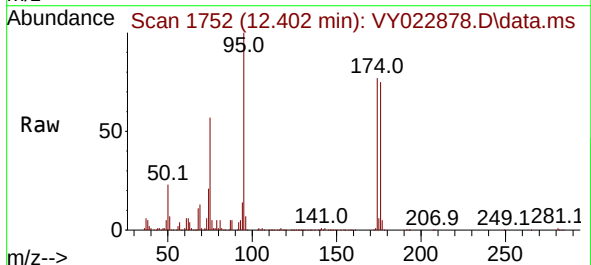
Instrument :
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TP-86

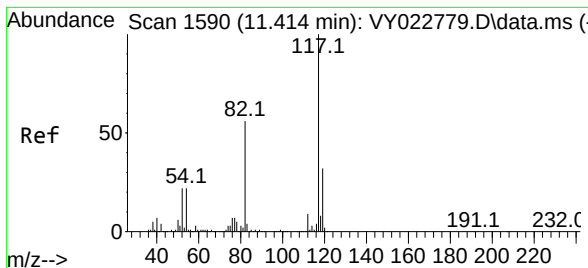
Tgt Ion: 98 Resp: 774867
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 57.862 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022878.D
Acq: 30 Jun 2025 14:28

Tgt Ion: 95 Resp: 287178
Ion Ratio Lower Upper
95 100
174 81.8 0.0 170.0
176 79.5 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: VY022878.D

Acq: 30 Jun 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-86

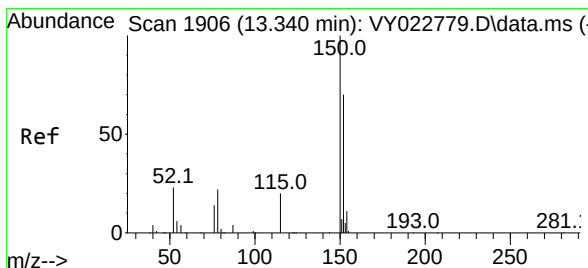
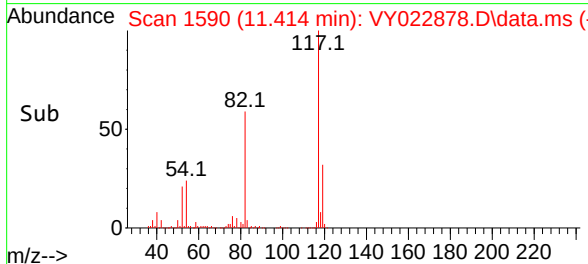
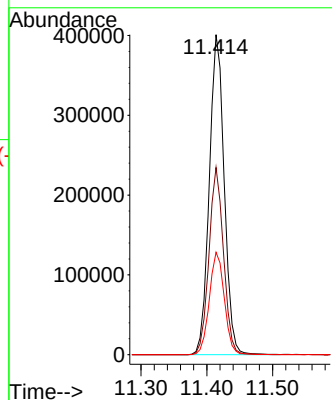
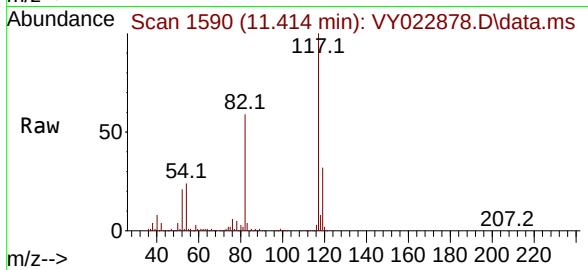
Tgt Ion:117 Resp: 633746

Ion Ratio Lower Upper

117 100

82 58.5 44.6 66.8

119 32.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022878.D

Acq: 30 Jun 2025 14:28

Tgt Ion:152 Resp: 290240

Ion Ratio Lower Upper

152 100

115 59.3 28.9 86.7

150 158.5 0.0 349.6

