

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
 Data File : VY023860.D
 Acq On : 02 Dec 2025 15:33
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Dec 03 01:04:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

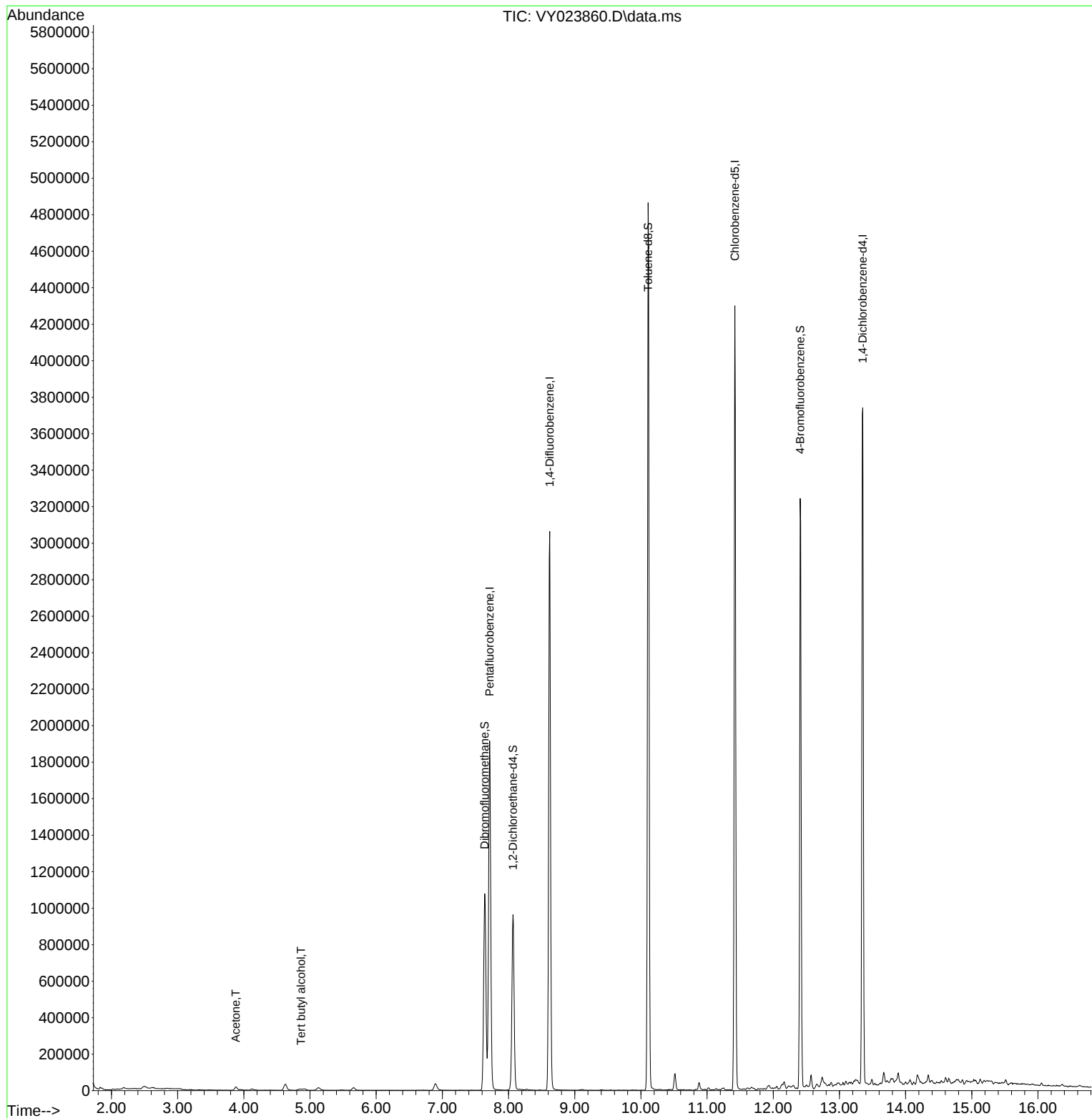
Internal Standards						
1) Pentafluorobenzene	7.713	168	1482875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	2580044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	2213455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	970055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	742207	51.396	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	102.800%	
35) Dibromofluoromethane	7.640	113	782357	51.188	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	102.380%	
50) Toluene-d8	10.109	98	3088230	50.871	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	101.740%	
62) 4-Bromofluorobenzene	12.407	95	949202	47.520	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	95.040%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.866	59	10840	9.140	ug/l	# 93
16) Acetone	3.878	43	31605	7.596	ug/l	98

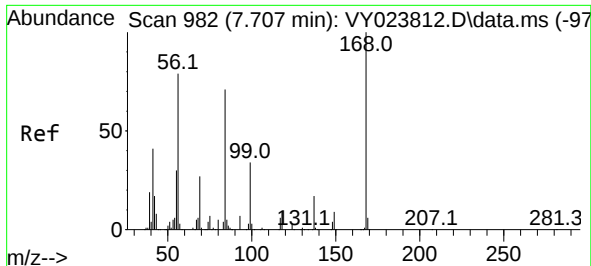
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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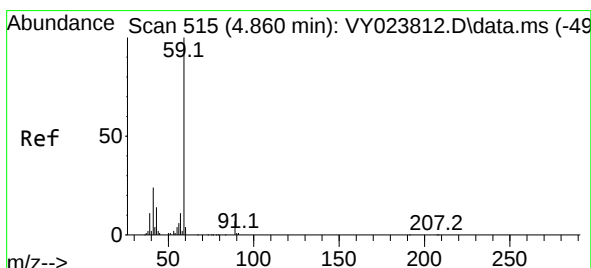
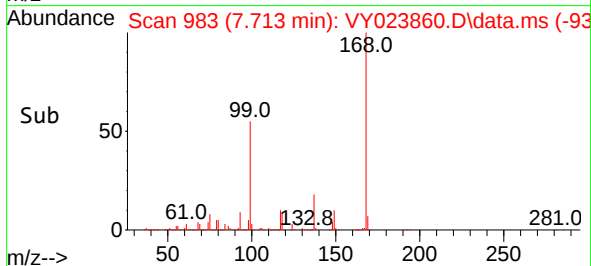
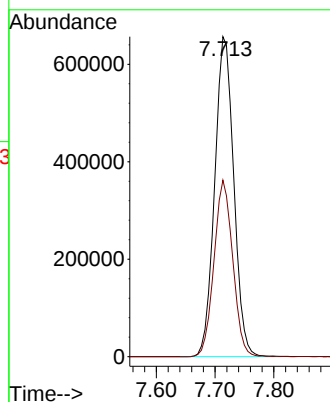
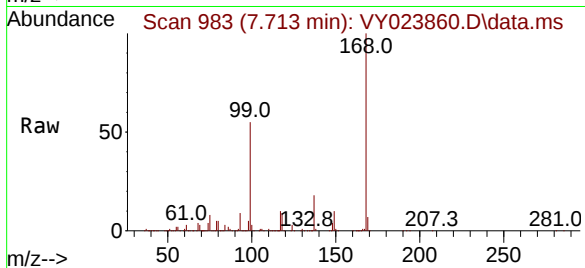




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023860.D
Acq: 02 Dec 2025 15:33

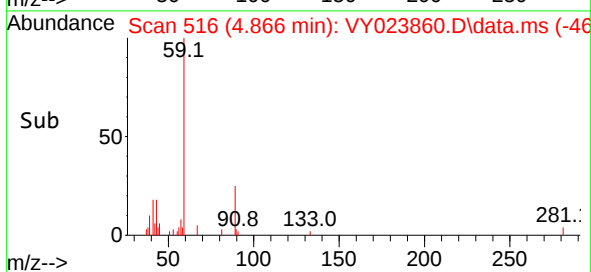
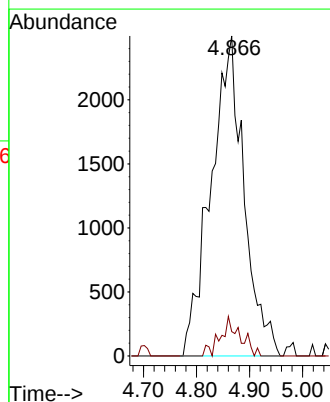
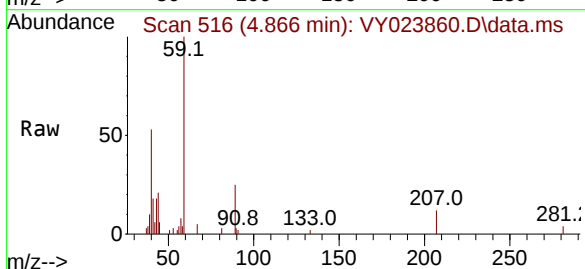
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

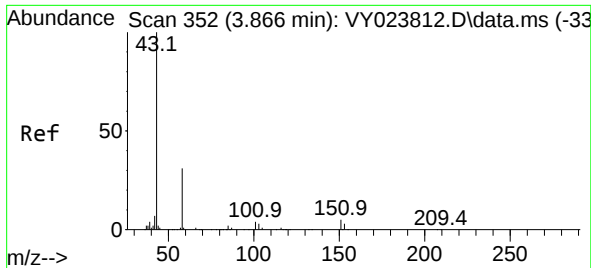
Tgt Ion:168 Resp: 1482875
Ion Ratio Lower Upper
168 100
99 55.1 44.0 66.0



#11
Tert butyl alcohol
Concen: 9.140 ug/l
RT: 4.866 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY023860.D
Acq: 02 Dec 2025 15:33

Tgt Ion: 59 Resp: 10840
Ion Ratio Lower Upper
59 100
57 7.3 8.0 12.0#





#16

Acetone

Concen: 7.596 ug/l

RT: 3.878 min Scan# 316

Delta R.T. 0.012 min

Lab File: VY023860.D

Acq: 02 Dec 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

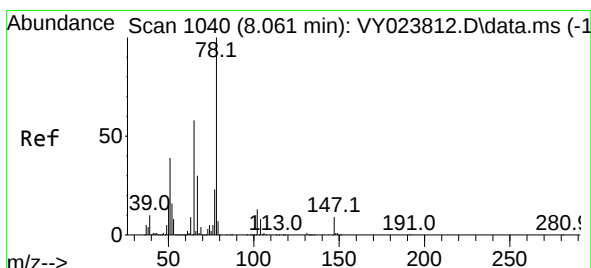
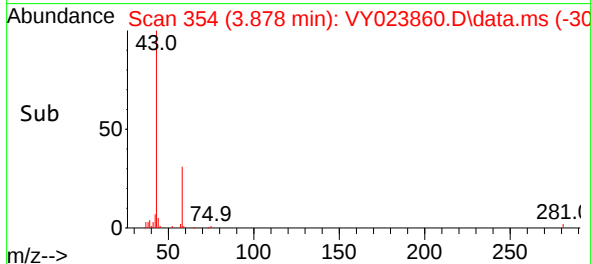
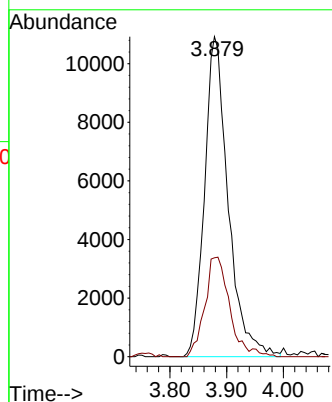
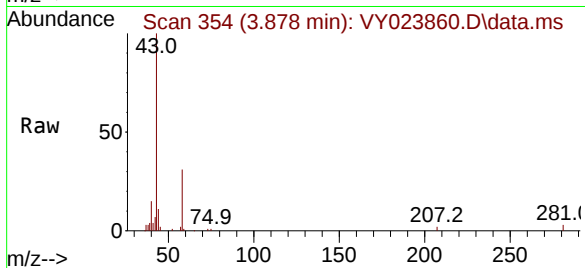
VIBLK

Tgt Ion: 43 Resp: 31605

Ion Ratio Lower Upper

43 100

58 30.9 25.4 38.2



#33

1,2-Dichloroethane-d4

Concen: 51.396 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023860.D

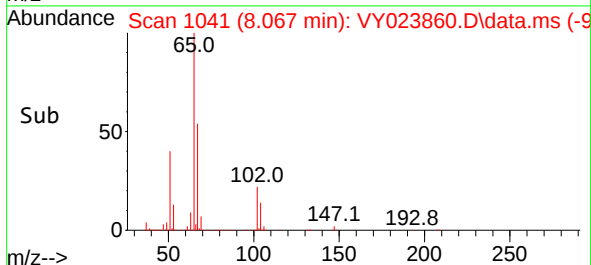
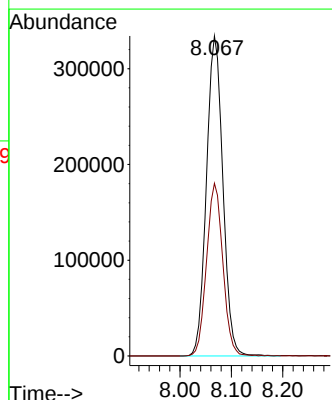
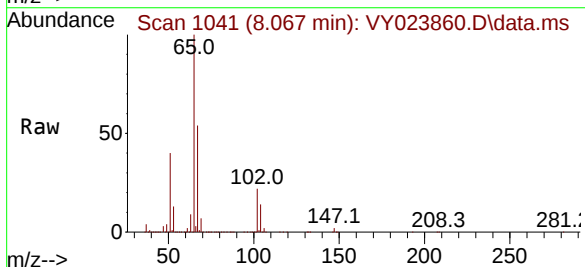
Acq: 02 Dec 2025 15:33

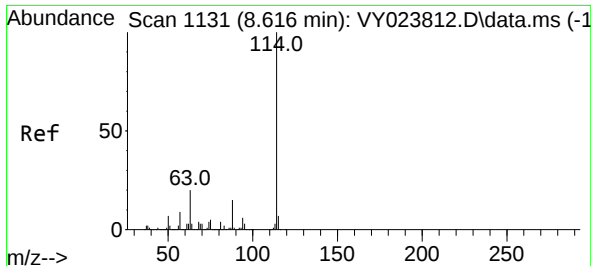
Tgt Ion: 65 Resp: 742207

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023860.D

Acq: 02 Dec 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

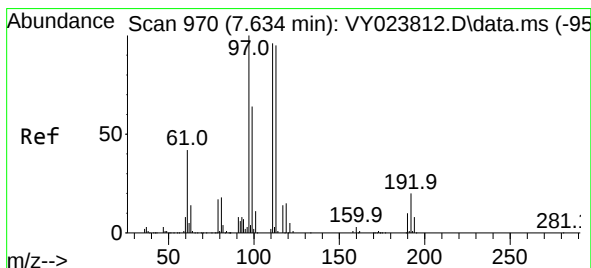
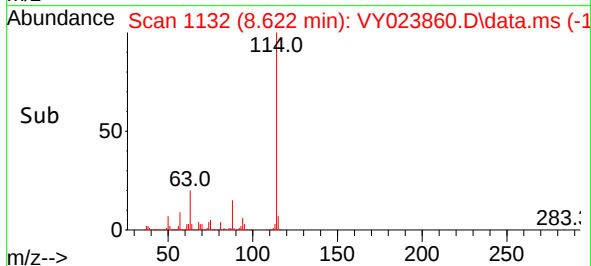
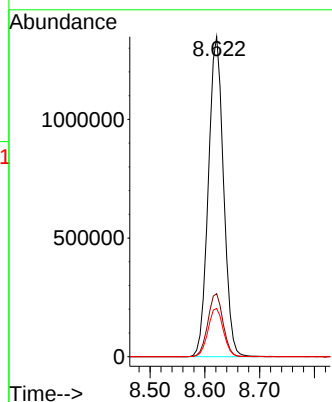
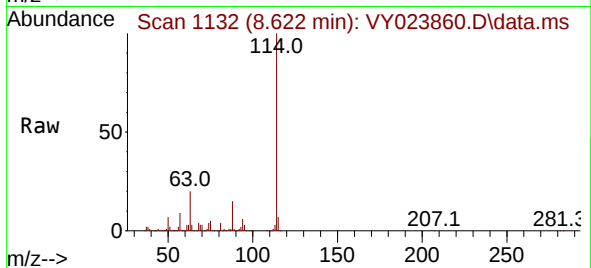
Tgt Ion:114 Resp: 2580044

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.4

88 15.0 0.0 30.8



#35

Dibromofluoromethane

Concen: 51.188 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023860.D

Acq: 02 Dec 2025 15:33

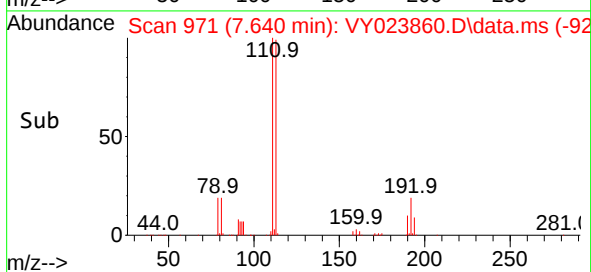
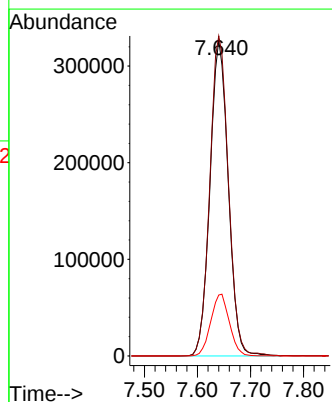
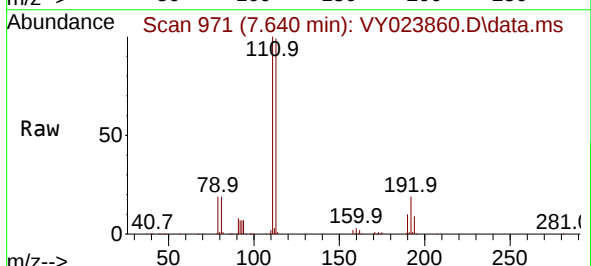
Tgt Ion:113 Resp: 782357

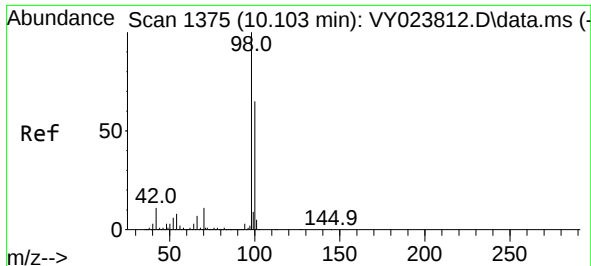
Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

192 20.0 15.8 23.8

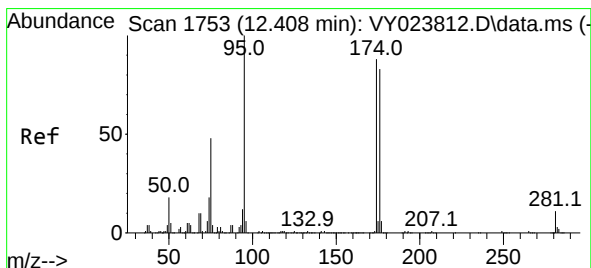
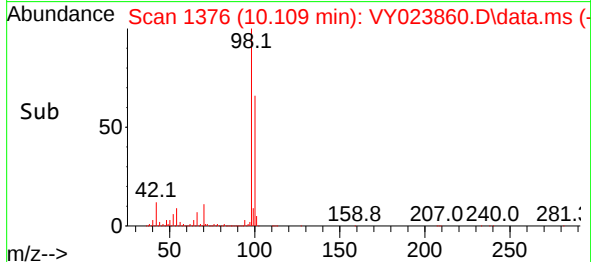
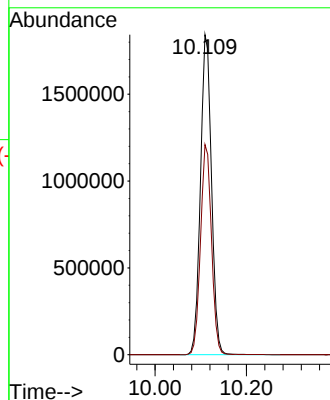
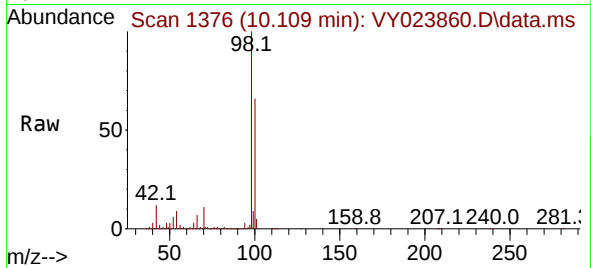




#50
Toluene-d8
Concen: 50.871 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023860.D
Acq: 02 Dec 2025 15:33

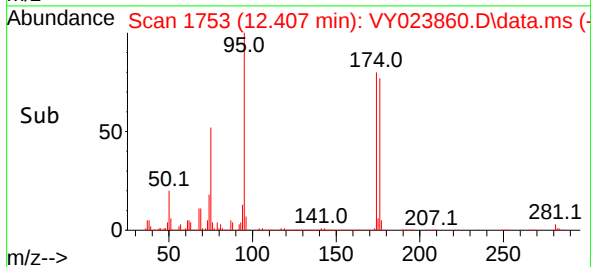
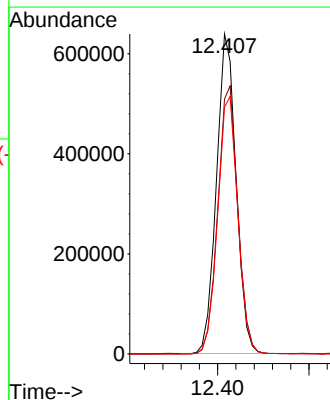
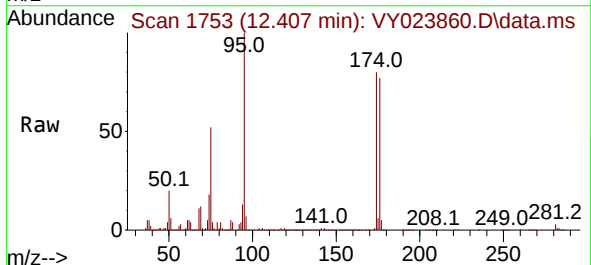
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

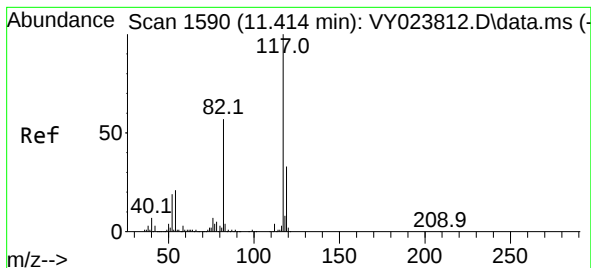
Tgt Ion: 98 Resp: 3088230
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 47.520 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023860.D
Acq: 02 Dec 2025 15:33

Tgt Ion: 95 Resp: 949202
Ion Ratio Lower Upper
95 100
174 86.1 0.0 168.6
176 83.0 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023860.D

Acq: 02 Dec 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

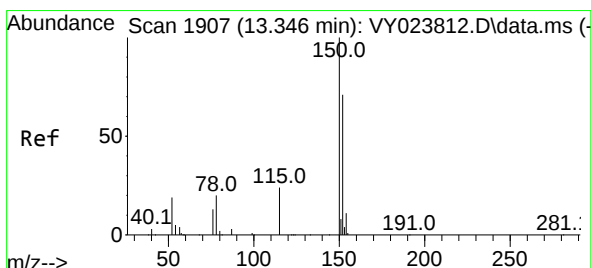
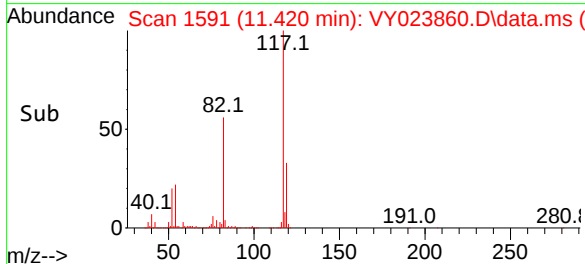
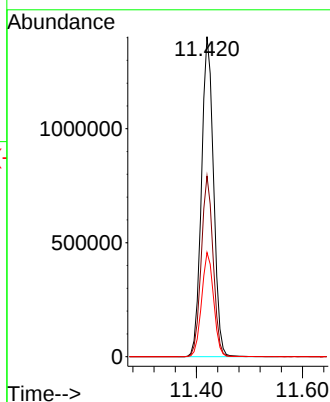
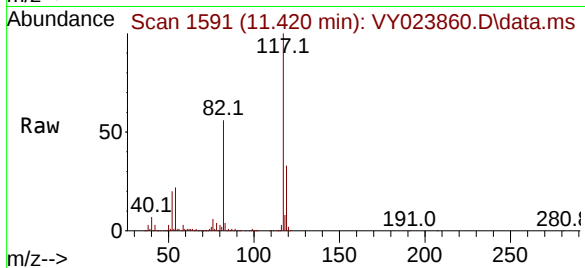
Tgt Ion:117 Resp: 2213455

Ion Ratio Lower Upper

117 100

82 56.4 45.4 68.0

119 32.5 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023860.D

Acq: 02 Dec 2025 15:33

Tgt Ion:152 Resp: 970055

Ion Ratio Lower Upper

152 100

115 57.7 28.7 86.3

150 157.8 0.0 345.6

