

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
 Data File : VY023854.D
 Acq On : 02 Dec 2025 12:31
 Operator : SY/MD
 Sample : Q3735-01
 Misc : 7.10g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-3-112625

Quant Time: Dec 03 01:02:28 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)

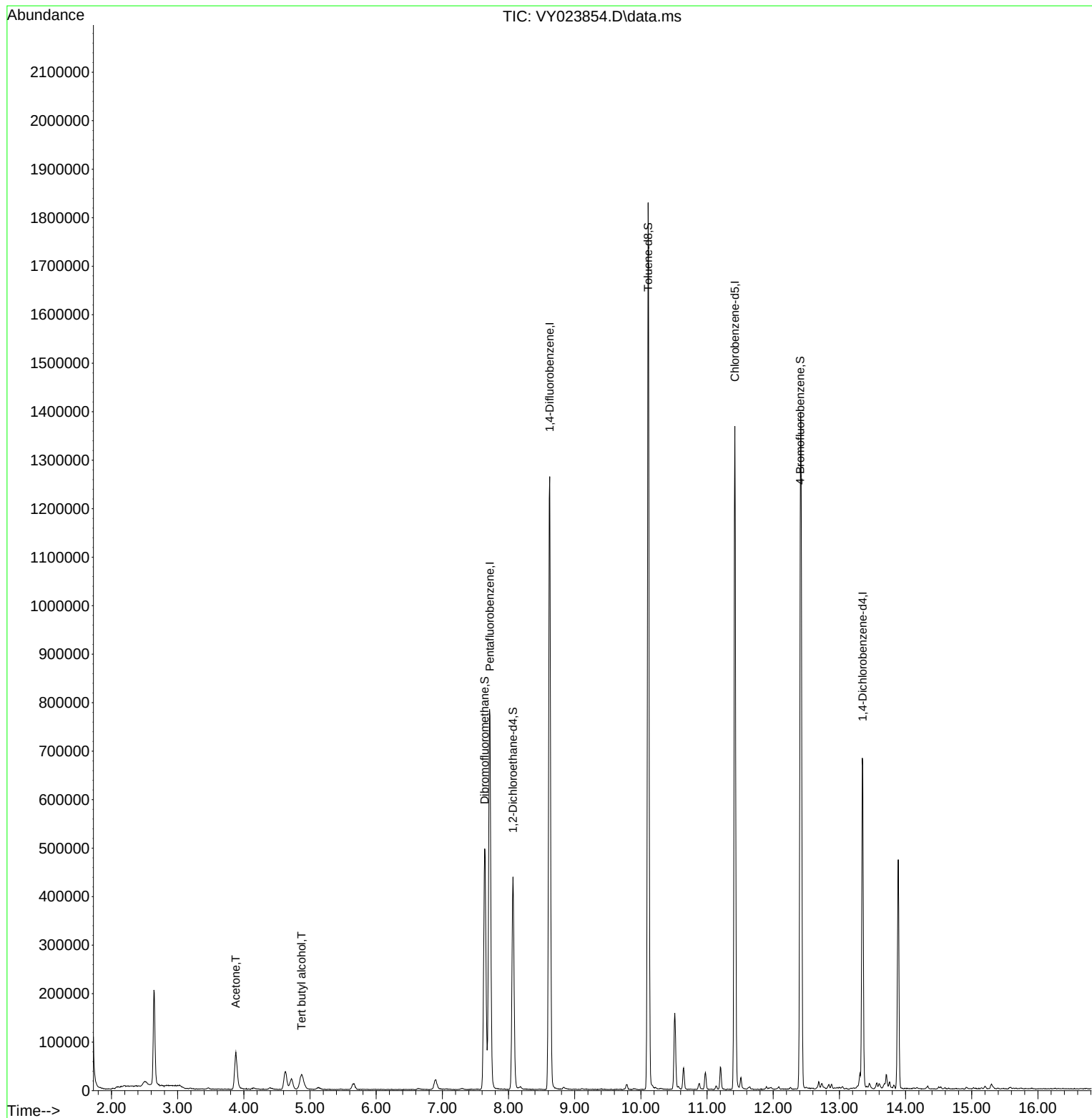
Internal Standards						
1) Pentafluorobenzene	7.719	168	630246	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	1100018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	720635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	180492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	347773	56.662	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.320%
35) Dibromofluoromethane	7.640	113	361229	55.434	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.860%
50) Toluene-d8	10.109	98	1182278	45.678	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.360%
62) 4-Bromofluorobenzene	12.408	95	230244	27.035	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	54.080%
Target Compounds						Qvalue
11) Tert butyl alcohol	4.872	59	62000	122.996	ug/l #	88
16) Acetone	3.879	43	137185	77.578	ug/l	96

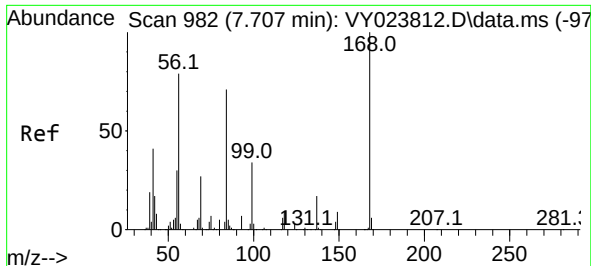
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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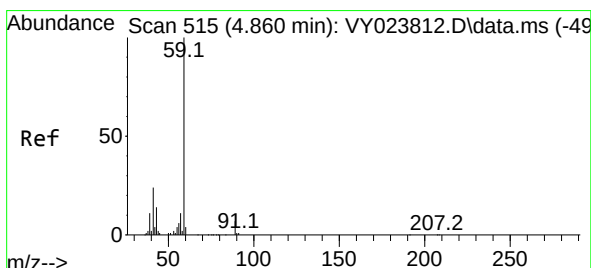
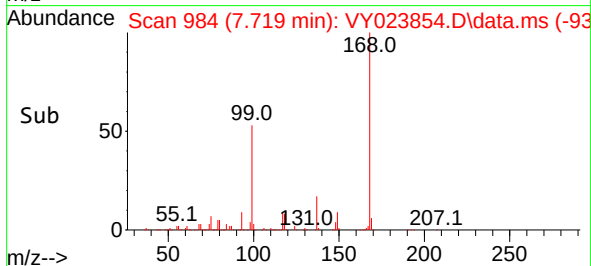
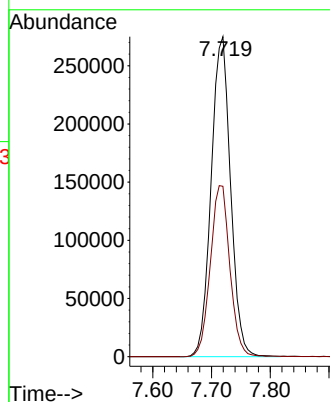
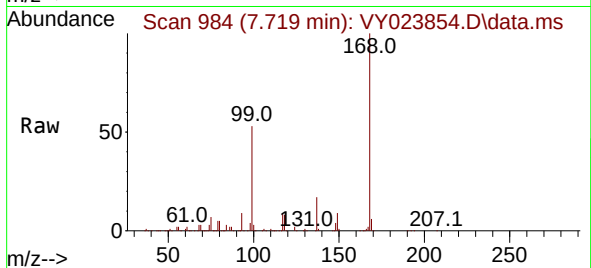




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023854.D
Acq: 02 Dec 2025 12:31

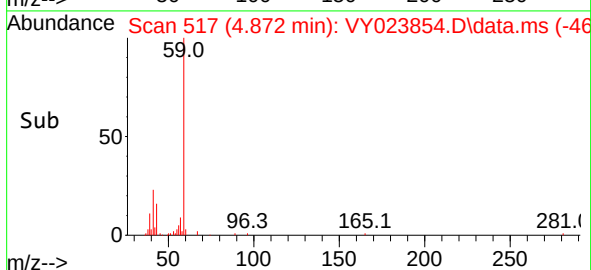
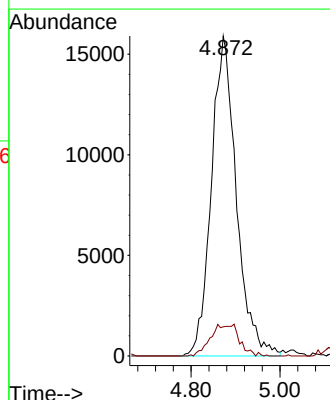
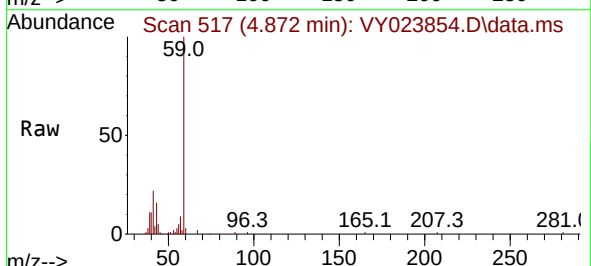
Instrument :
MSVOA_Y
ClientSampleId :
BU-3-112625

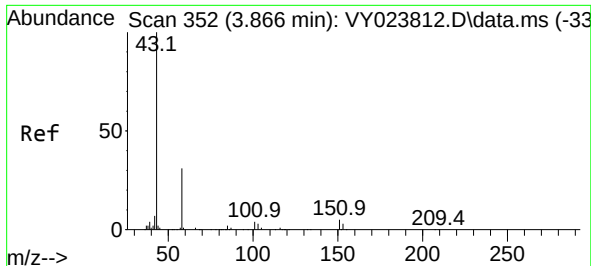
Tgt Ion:168 Resp: 630246
Ion Ratio Lower Upper
168 100
99 53.2 44.0 66.0



#11
Tert butyl alcohol
Concen: 122.996 ug/l
RT: 4.872 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY023854.D
Acq: 02 Dec 2025 12:31

Tgt Ion: 59 Resp: 62000
Ion Ratio Lower Upper
59 100
57 5.5 8.0 12.0#

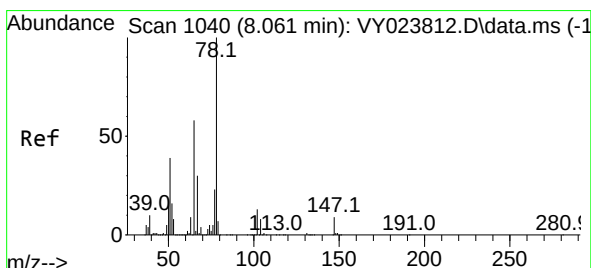
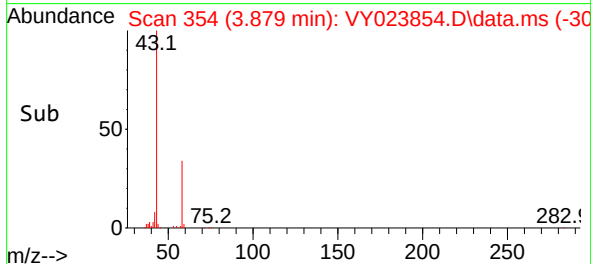
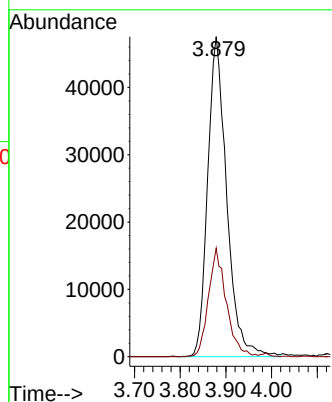
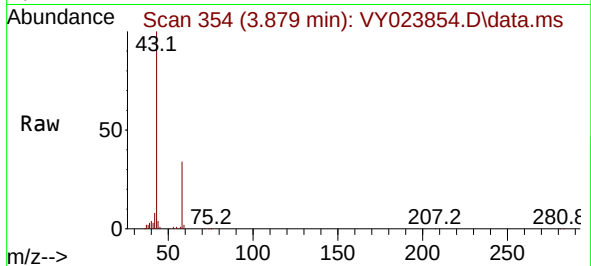




#16
Acetone
Concen: 77.578 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023854.D
Acq: 02 Dec 2025 12:31

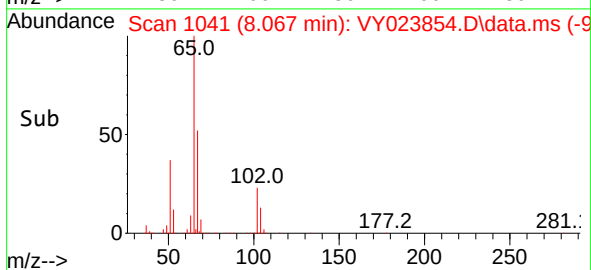
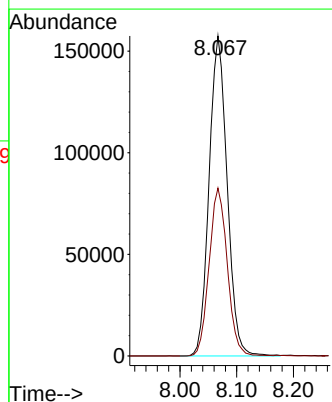
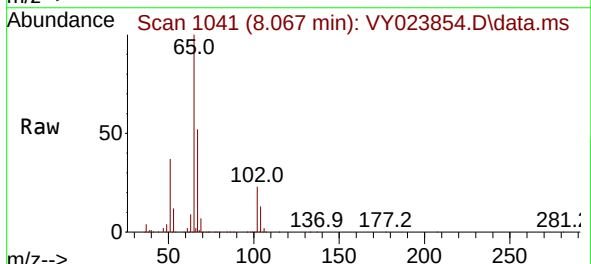
Instrument :
MSVOA_Y
ClientSampleId :
BU-3-112625

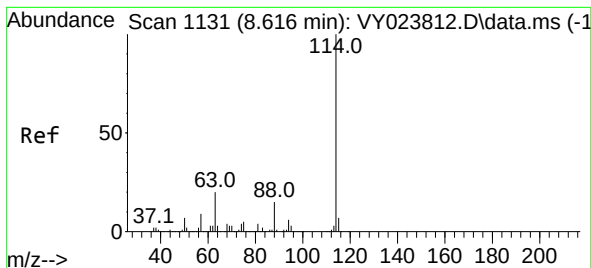
Tgt Ion: 43 Resp: 137185
Ion Ratio Lower Upper
43 100
58 33.9 25.4 38.2



#33
1,2-Dichloroethane-d4
Concen: 56.662 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023854.D
Acq: 02 Dec 2025 12:31

Tgt Ion: 65 Resp: 347773
Ion Ratio Lower Upper
65 100
67 52.8 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: VY023854.D

Acq: 02 Dec 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

BU-3-112625

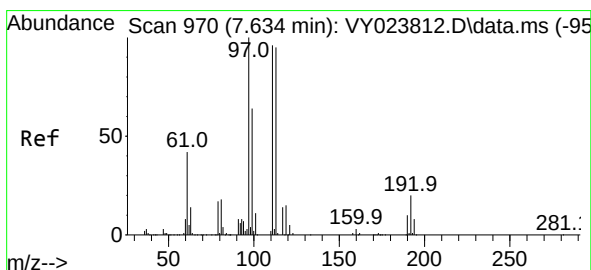
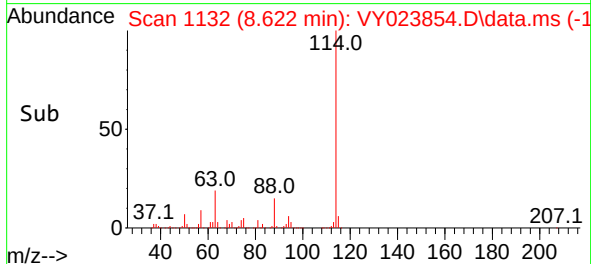
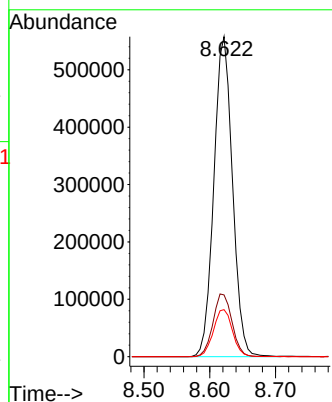
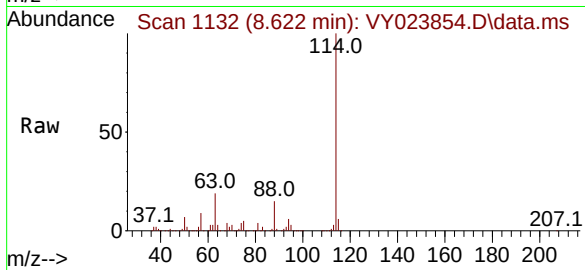
Tgt Ion:114 Resp: 1100018

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.4

88 14.7 0.0 30.8



#35

Dibromofluoromethane

Concen: 55.434 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023854.D

Acq: 02 Dec 2025 12:31

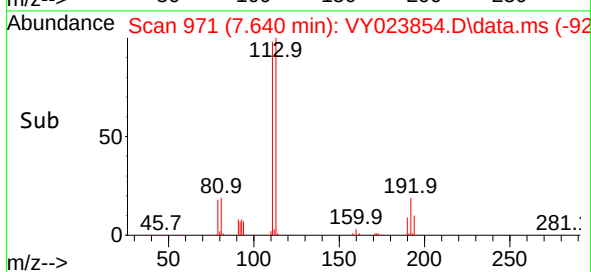
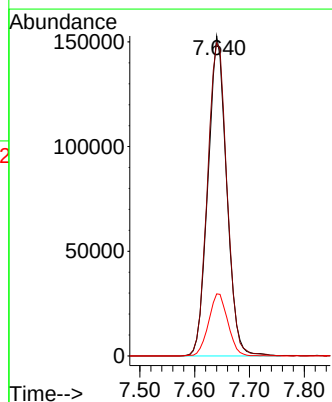
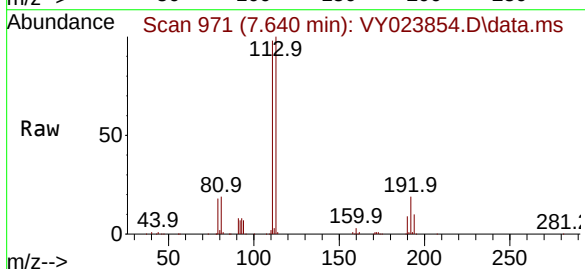
Tgt Ion:113 Resp: 361229

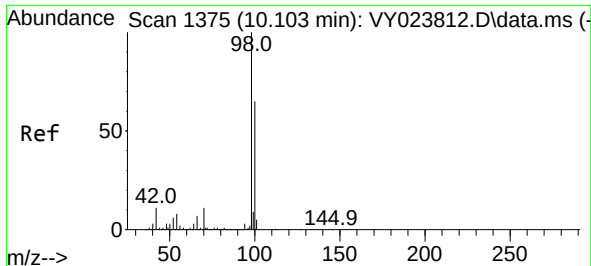
Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

192 20.0 15.8 23.8

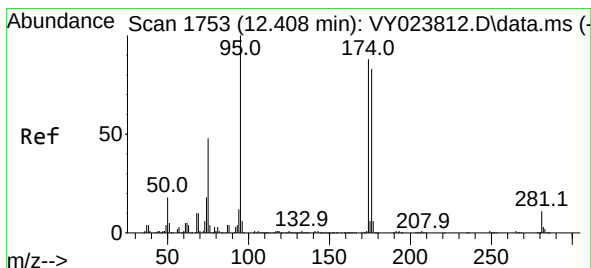
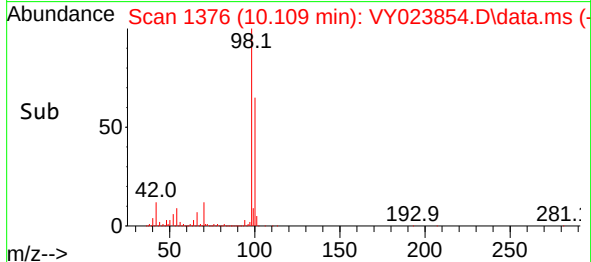
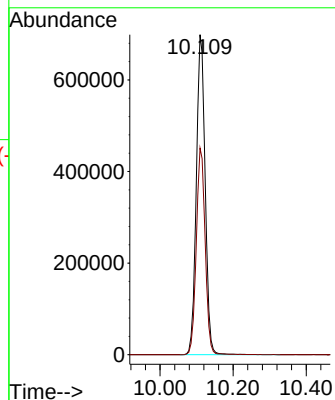
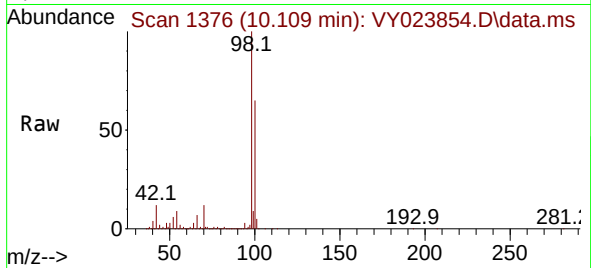




#50
Toluene-d8
Concen: 45.678 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023854.D
Acq: 02 Dec 2025 12:31

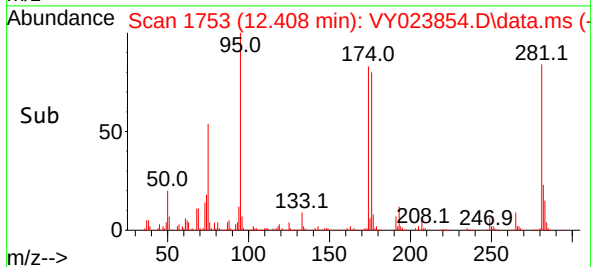
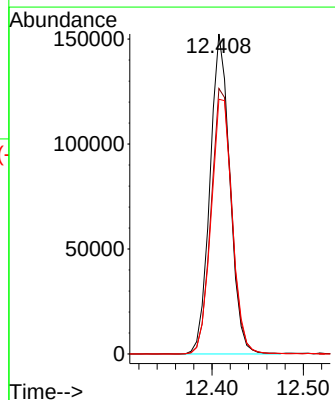
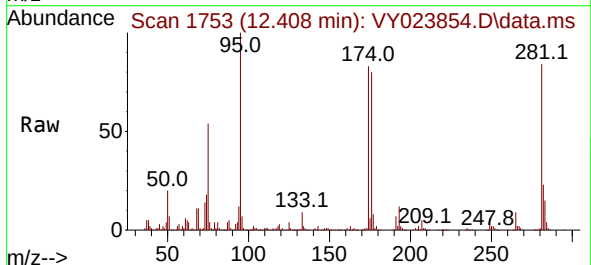
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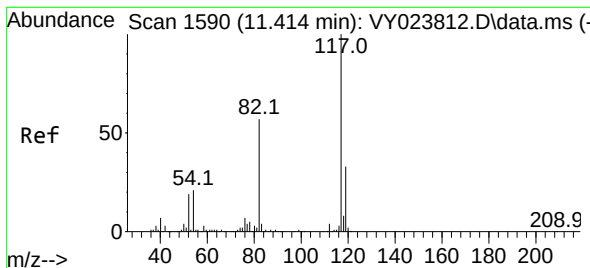
Tgt Ion: 98 Resp: 1182278
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 27.035 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023854.D
Acq: 02 Dec 2025 12:31

Tgt Ion: 95 Resp: 230244
Ion Ratio Lower Upper
95 100
174 86.8 0.0 168.6
176 84.9 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: VY023854.D

Acq: 02 Dec 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

BU-3-112625

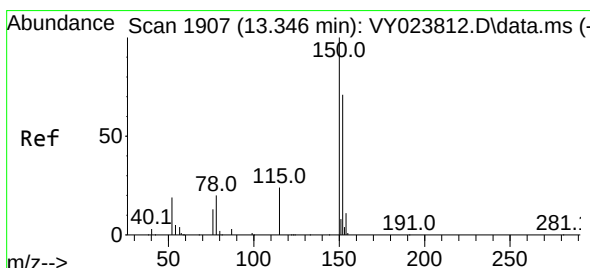
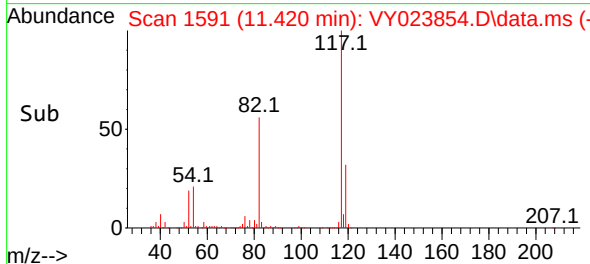
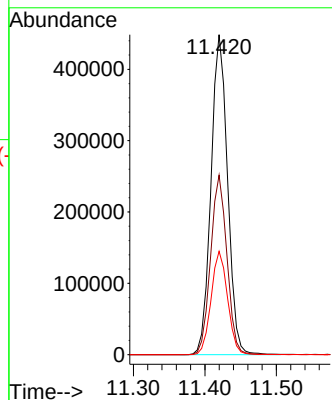
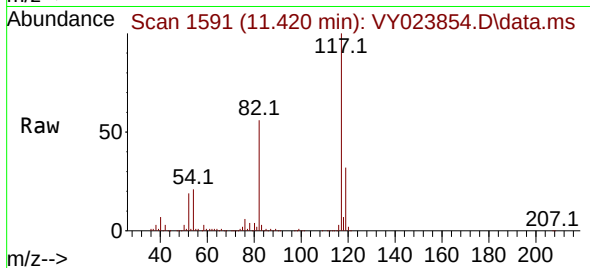
Tgt Ion:117 Resp: 720635

Ion Ratio Lower Upper

117 100

82 56.1 45.4 68.0

119 32.3 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: VY023854.D

Acq: 02 Dec 2025 12:31

Tgt Ion:152 Resp: 180492

Ion Ratio Lower Upper

152 100

115 58.6 28.7 86.3

150 158.7 0.0 345.6

