

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023920.D
 Acq On : 09 Dec 2025 19:48
 Operator : SY/MD
 Sample : Q3812-01
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-120825

Quant Time: Dec 10 02:34:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

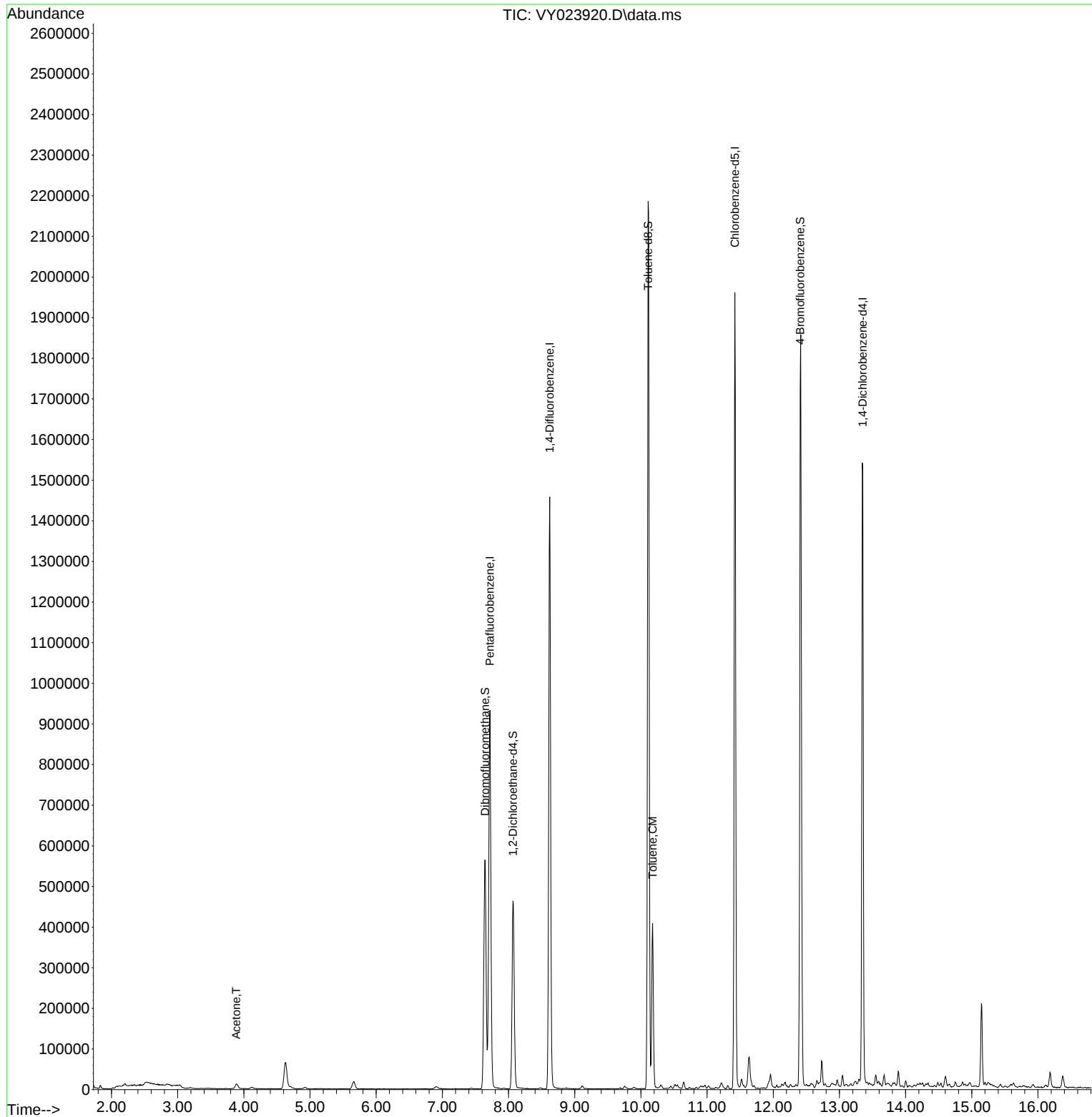
Internal Standards						
1) Pentafluorobenzene	7.719	168	774030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1313980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1090073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	419103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	369158	47.676	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.360%
35) Dibromofluoromethane	7.646	113	410279	48.683	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.360%
50) Toluene-d8	10.109	98	1474912	44.974	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.940%
62) 4-Bromofluorobenzene	12.408	95	422191	37.744	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.480%
Target Compounds						
16) Acetone	3.885	43	22622	9.750	ug/l	92
52) Toluene	10.176	92	175916	7.479	ug/l	99

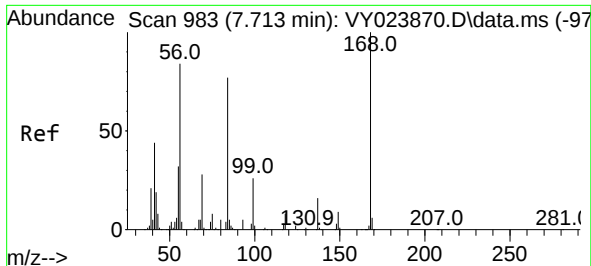
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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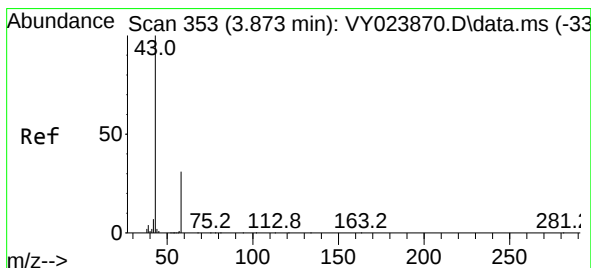
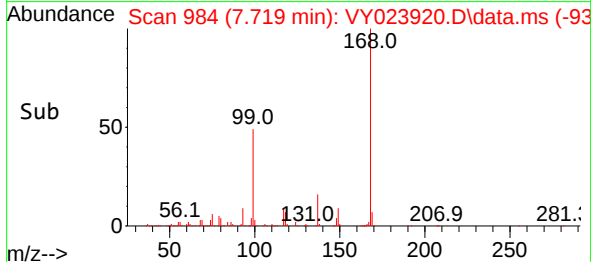
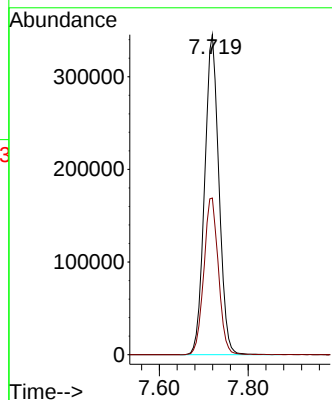
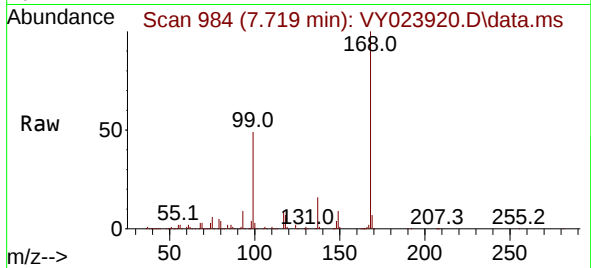




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023920.D
Acq: 09 Dec 2025 19:48

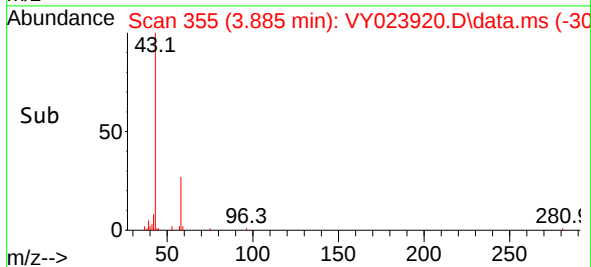
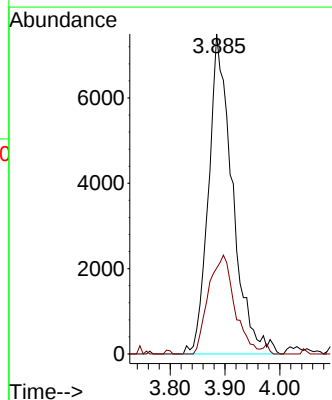
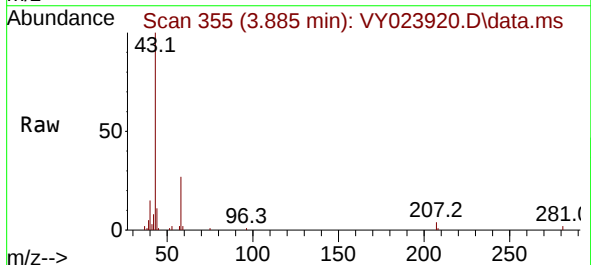
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-120825

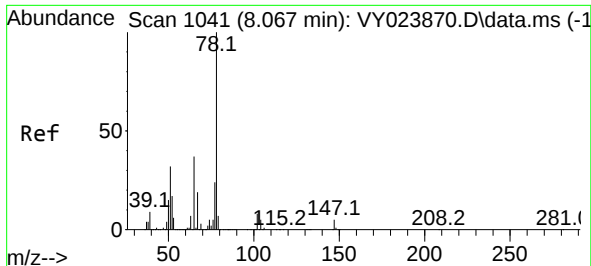
Tgt Ion:168 Resp: 774030
Ion Ratio Lower Upper
168 100
99 49.0 42.5 63.7



#16
Acetone
Concen: 9.750 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY023920.D
Acq: 09 Dec 2025 19:48

Tgt Ion: 43 Resp: 22622
Ion Ratio Lower Upper
43 100
58 26.8 25.1 37.7





#33

1,2-Dichloroethane-d4

Concen: 47.676 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY023920.D

Acq: 09 Dec 2025 19:48

Instrument :

MSVOA_Y

ClientSampleId :

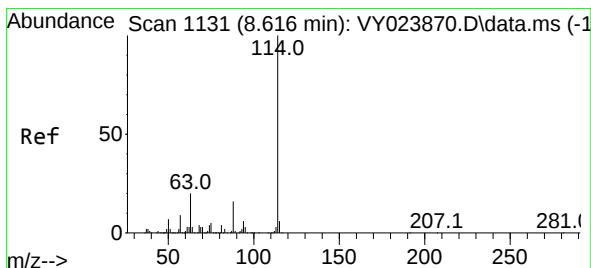
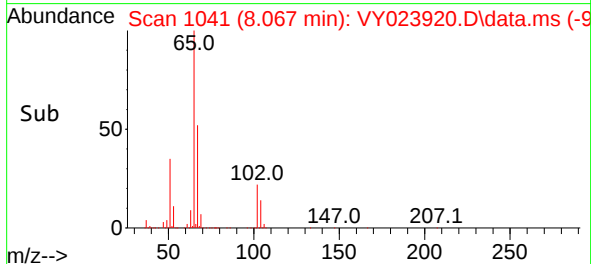
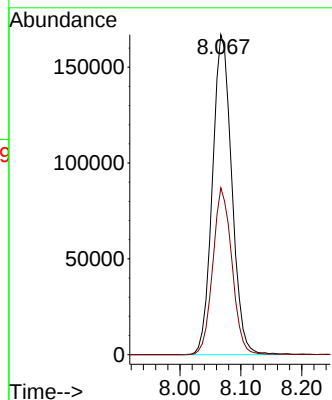
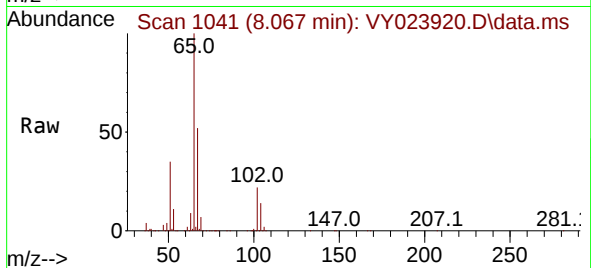
OR-02-120825

Tgt Ion: 65 Resp: 369158

Ion Ratio Lower Upper

65 100

67 51.5 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023920.D

Acq: 09 Dec 2025 19:48

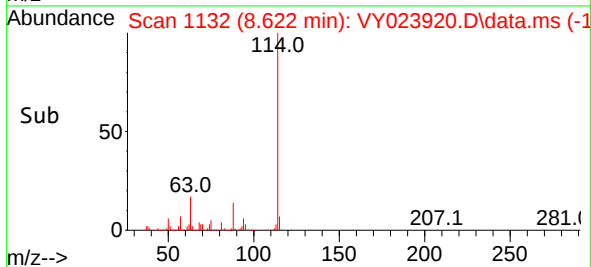
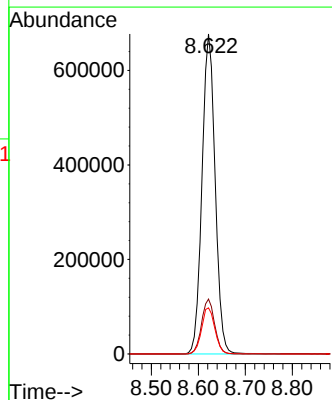
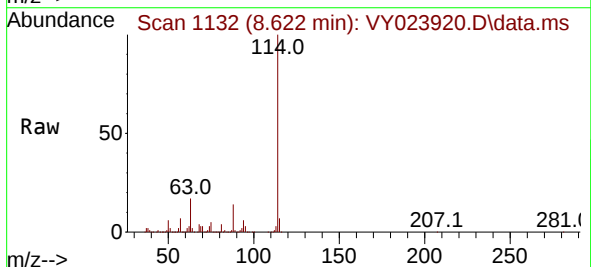
Tgt Ion:114 Resp: 1313980

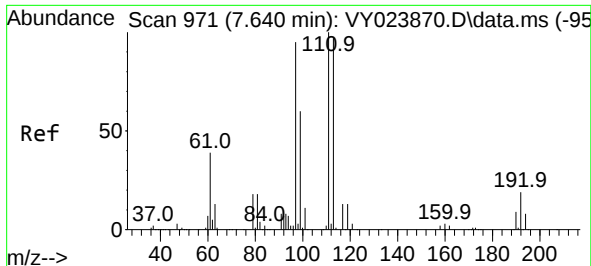
Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.2

88 14.4 0.0 31.4

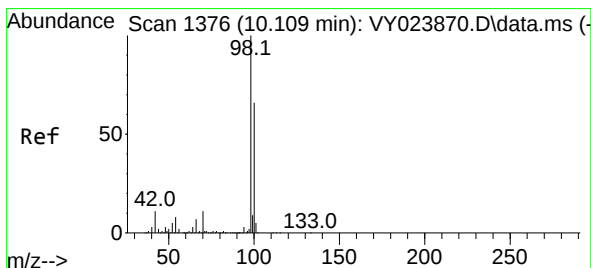
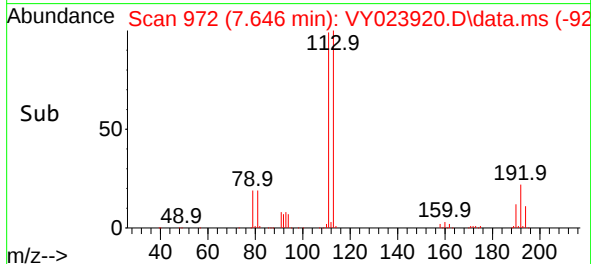
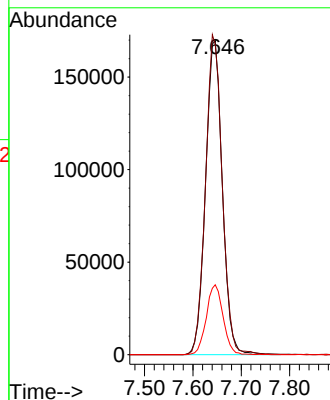
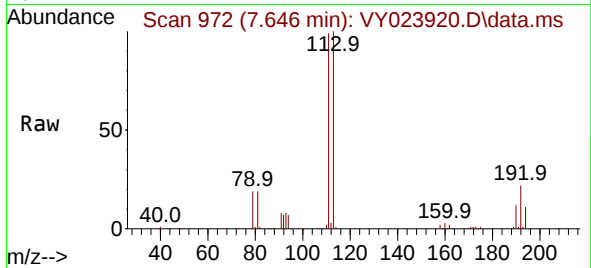




#35
Dibromofluoromethane
Concen: 48.683 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023920.D
Acq: 09 Dec 2025 19:48

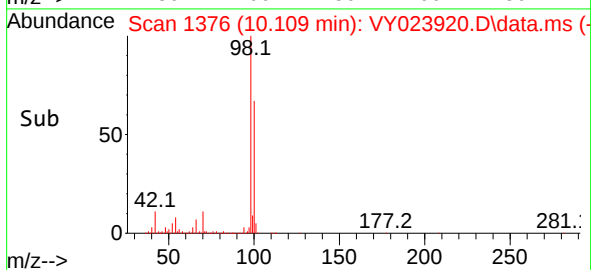
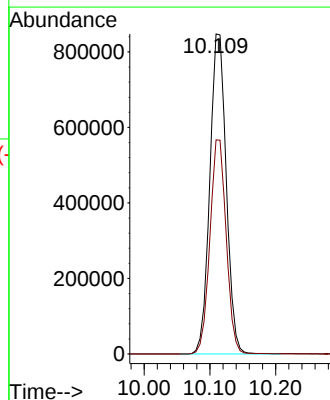
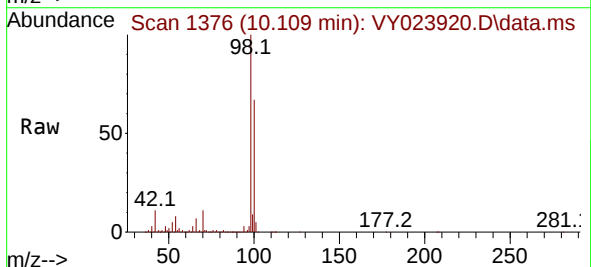
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-120825

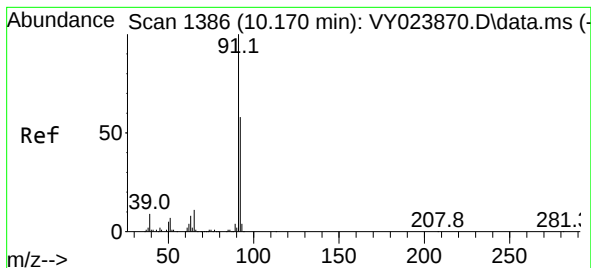
Tgt Ion:113 Resp: 410279
Ion Ratio Lower Upper
113 100
111 101.3 82.2 123.2
192 22.2 15.8 23.8



#50
Toluene-d8
Concen: 44.974 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023920.D
Acq: 09 Dec 2025 19:48

Tgt Ion: 98 Resp: 1474912
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7





#52

Toluene

Concen: 7.479 ug/l

RT: 10.176 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023920.D

Acq: 09 Dec 2025 19:48

Instrument :

MSVOA_Y

ClientSampleId :

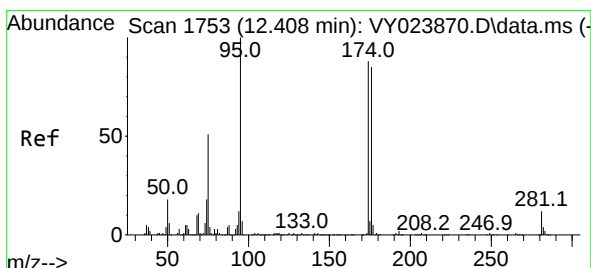
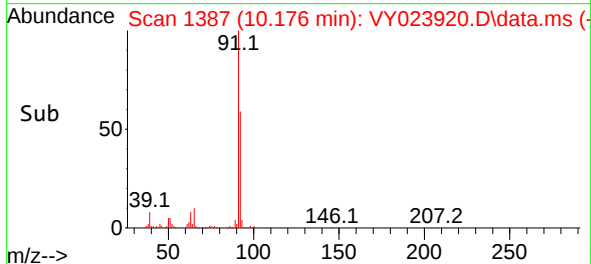
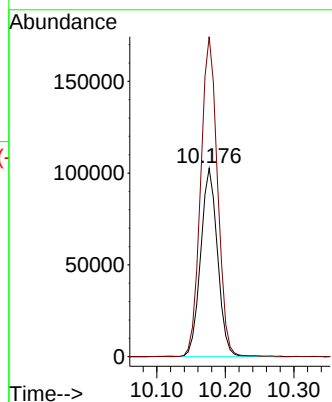
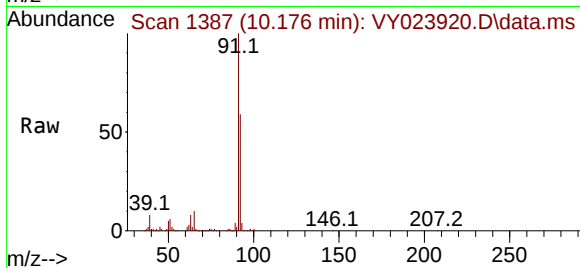
OR-02-120825

Tgt Ion: 92 Resp: 175916

Ion Ratio Lower Upper

92 100

91 169.9 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 37.744 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY023920.D

Acq: 09 Dec 2025 19:48

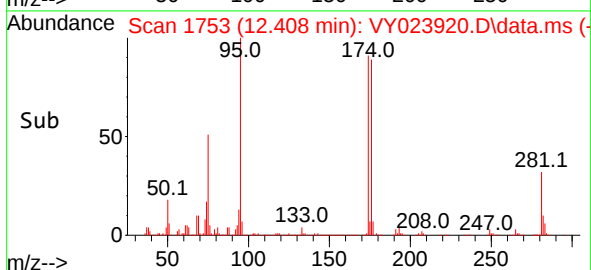
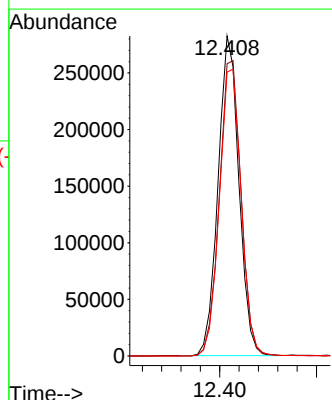
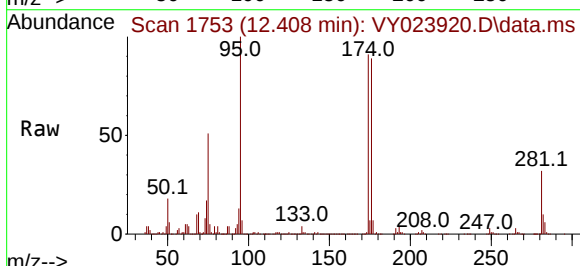
Tgt Ion: 95 Resp: 422191

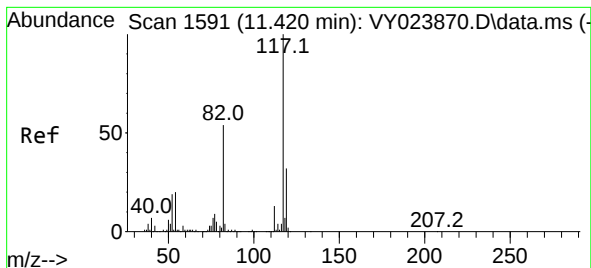
Ion Ratio Lower Upper

95 100

174 96.3 0.0 169.6

176 94.2 0.0 164.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023920.D

Acq: 09 Dec 2025 19:48

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-120825

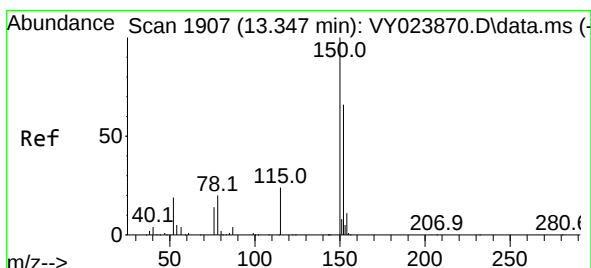
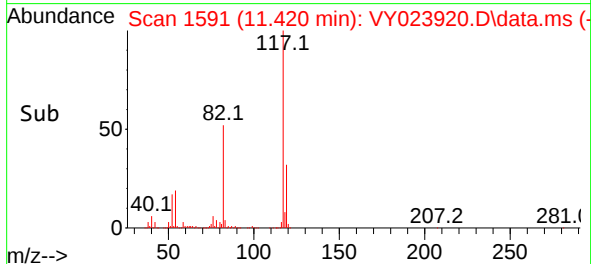
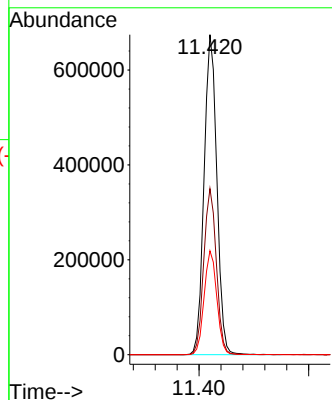
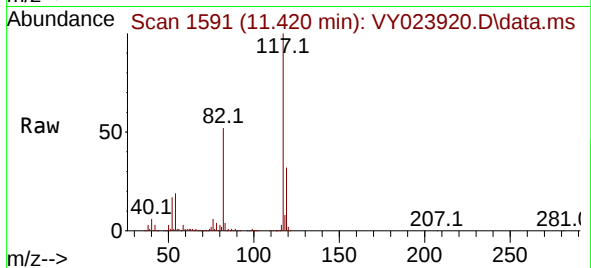
Tgt Ion:117 Resp: 1090073

Ion Ratio Lower Upper

117 100

82 51.9 43.1 64.7

119 32.5 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023920.D

Acq: 09 Dec 2025 19:48

Tgt Ion:152 Resp: 419103

Ion Ratio Lower Upper

152 100

115 54.0 28.8 86.4

150 155.9 0.0 352.2

