

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022594.D
 Acq On : 06 Jun 2025 12:50
 Operator : SY/MD
 Sample : Q2208-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-06

Quant Time: Jun 06 23:41:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

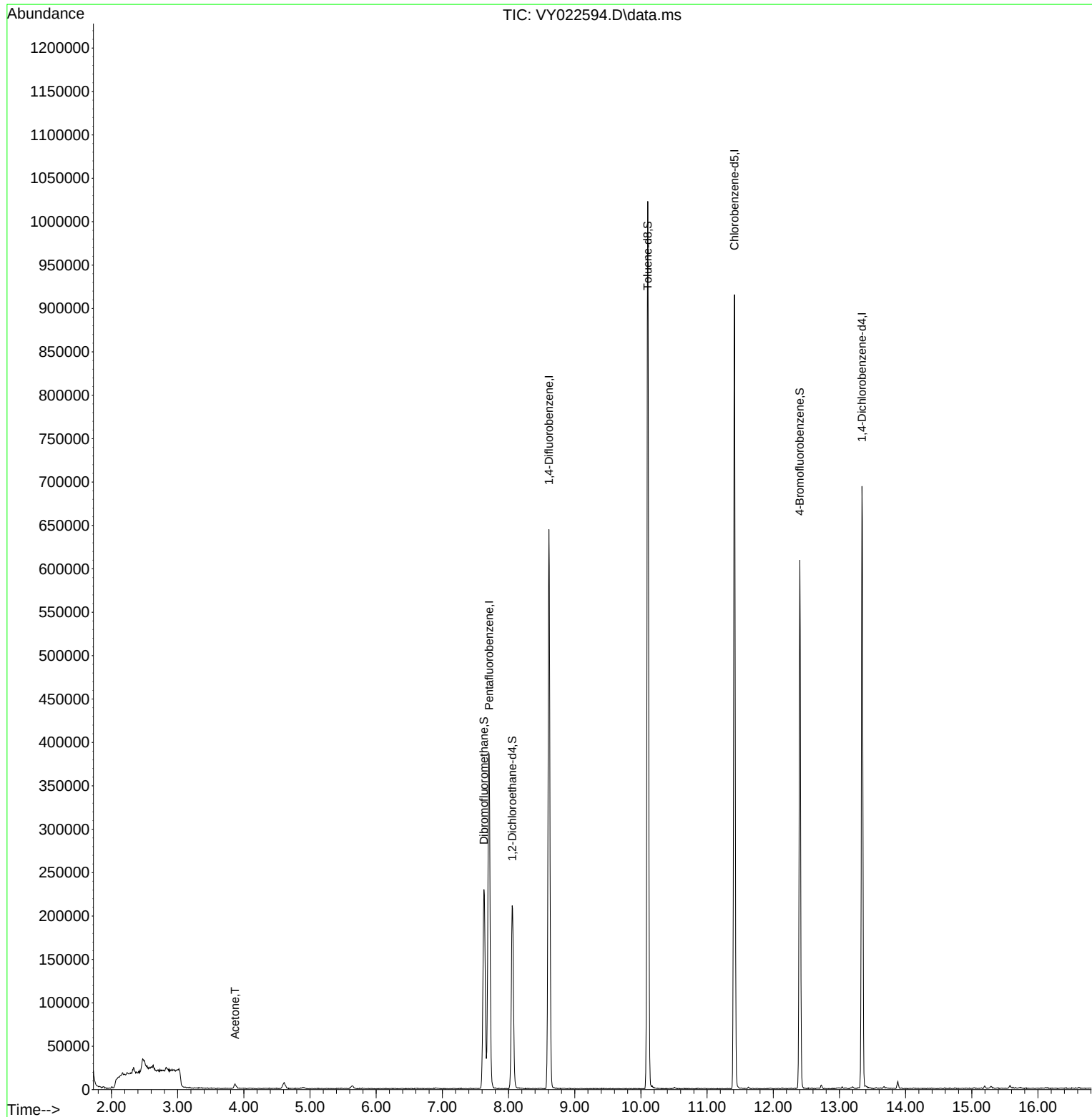
Internal Standards						
1) Pentafluorobenzene	7.707	168	284321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	524392	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	425857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	158560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	160651	50.520	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.040%	
35) Dibromofluoromethane	7.628	113	158952	50.784	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.560%	
50) Toluene-d8	10.103	98	632485	50.010	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.020%	
62) 4-Bromofluorobenzene	12.402	95	161951	42.978	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.960%	
Target Compounds						
16) Acetone	3.866	43	7401	11.460	ug/l	Qvalue 99

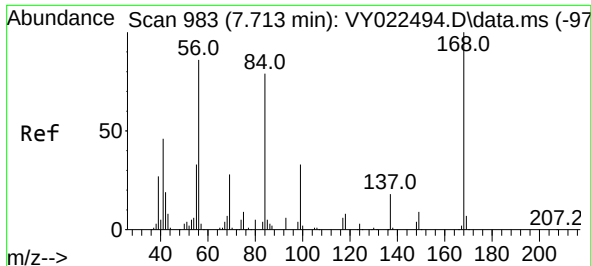
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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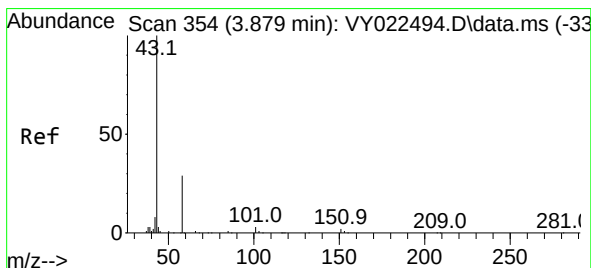
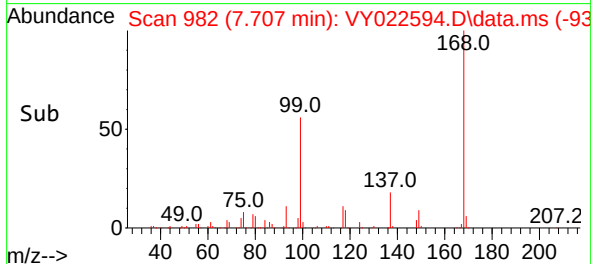
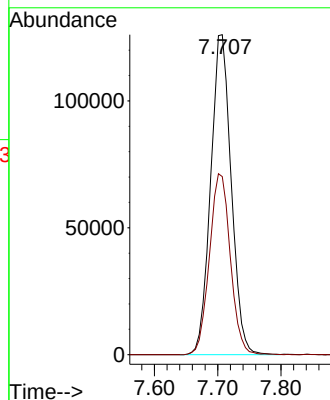
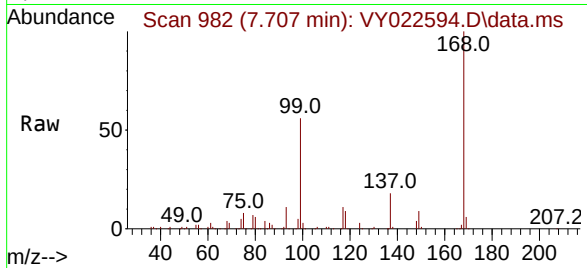




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY022594.D
Acq: 06 Jun 2025 12:50

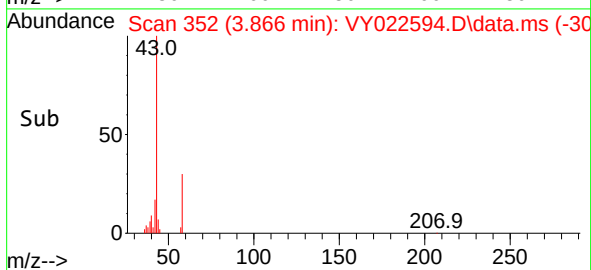
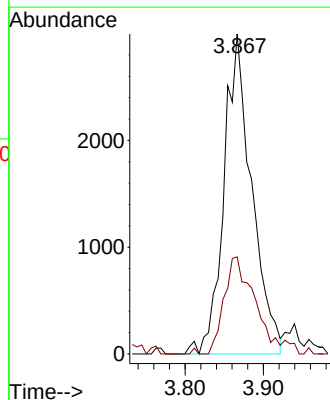
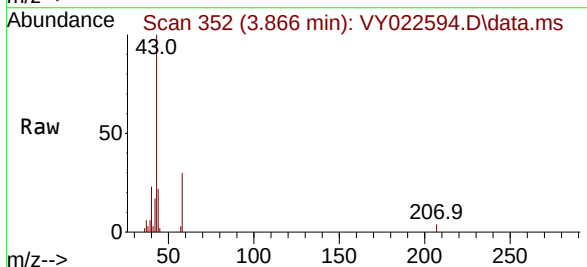
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-06

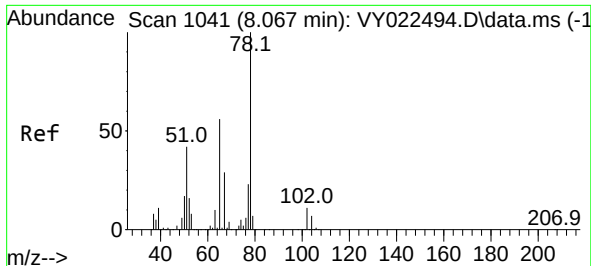
Tgt Ion:168 Resp: 284321
Ion Ratio Lower Upper
168 100
99 55.7 44.3 66.5



#16
Acetone
Concen: 11.460 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022594.D
Acq: 06 Jun 2025 12:50

Tgt Ion: 43 Resp: 7401
Ion Ratio Lower Upper
43 100
58 30.3 24.0 36.0





#33

1,2-Dichloroethane-d4

Concen: 50.520 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY022594.D

Acq: 06 Jun 2025 12:50

Instrument :

MSVOA_Y

ClientSampleId :

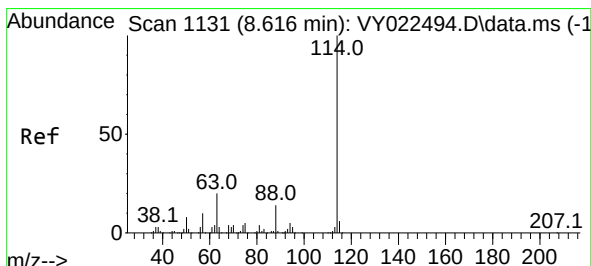
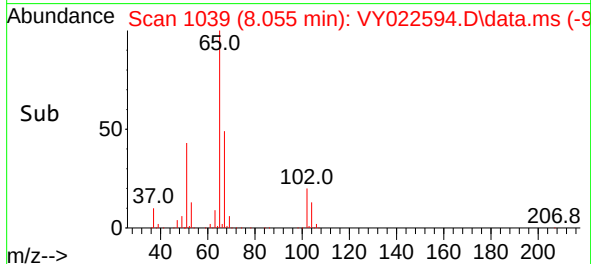
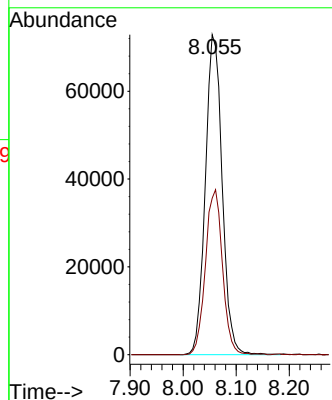
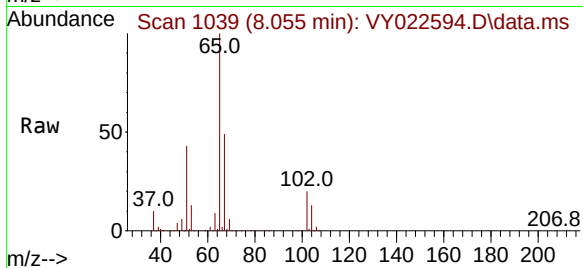
BU-703-VOC-06

Tgt Ion: 65 Resp: 160651

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022594.D

Acq: 06 Jun 2025 12:50

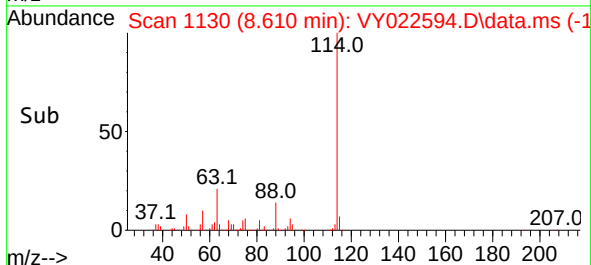
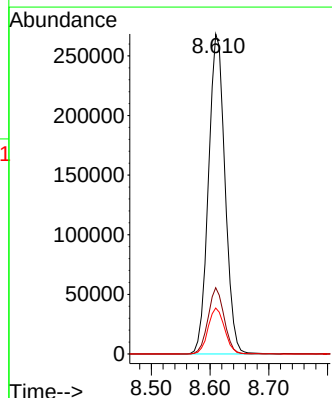
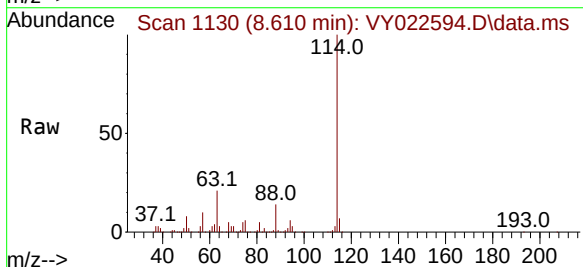
Tgt Ion: 114 Resp: 524392

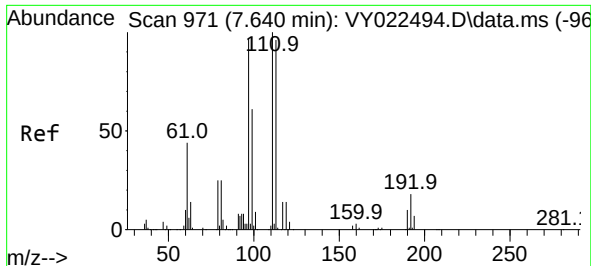
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 14.4 0.0 27.8

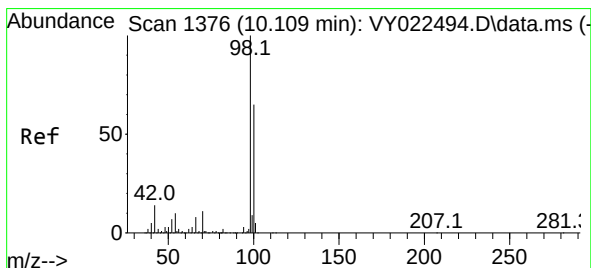
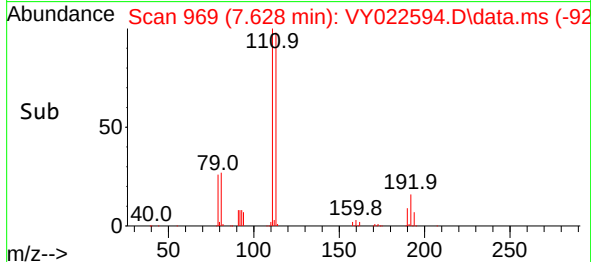
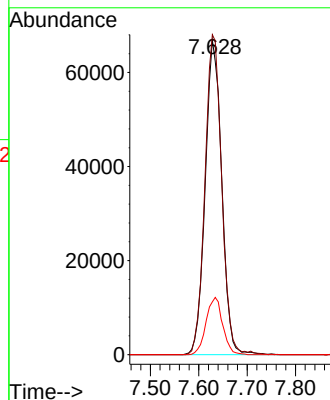
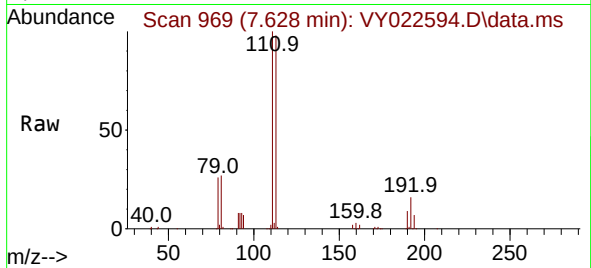




#35
Dibromofluoromethane
Concen: 50.784 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022594.D
Acq: 06 Jun 2025 12:50

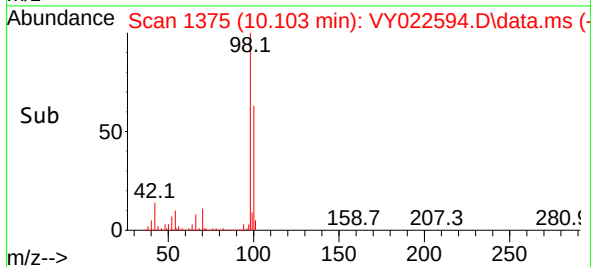
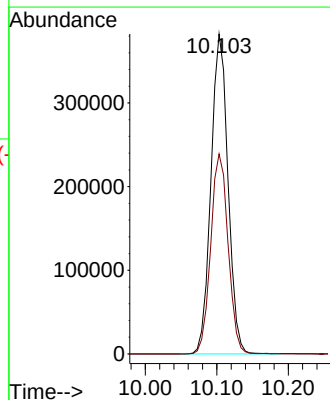
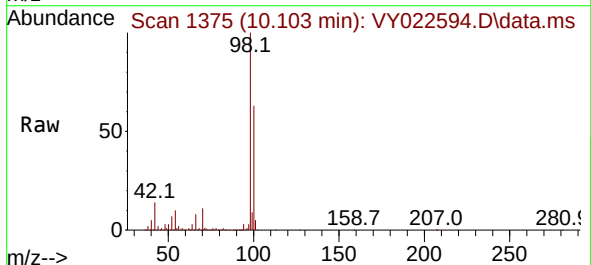
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-06

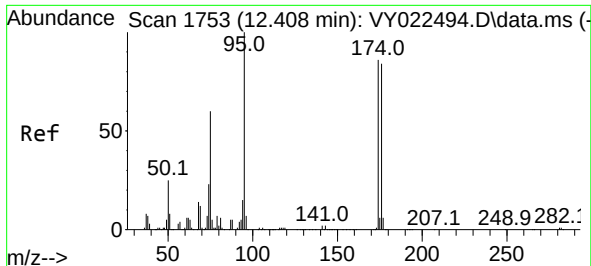
Tgt Ion:113 Resp: 158952
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 18.2 14.2 21.2



#50
Toluene-d8
Concen: 50.010 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022594.D
Acq: 06 Jun 2025 12:50

Tgt Ion: 98 Resp: 632485
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0

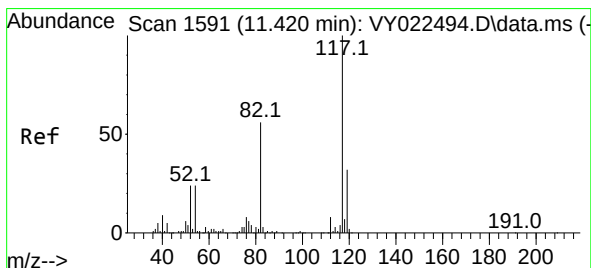
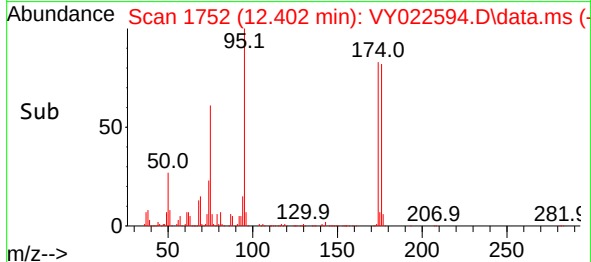
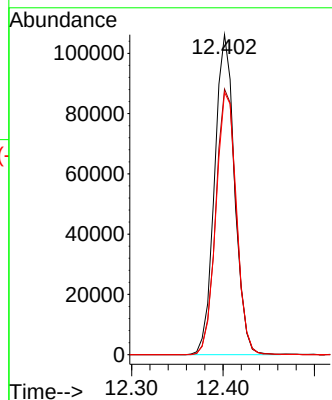
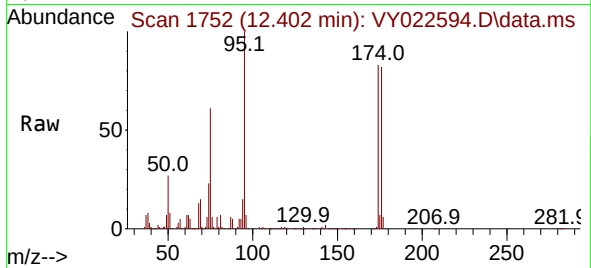




#62
4-Bromofluorobenzene
Concen: 42.978 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022594.D
Acq: 06 Jun 2025 12:50

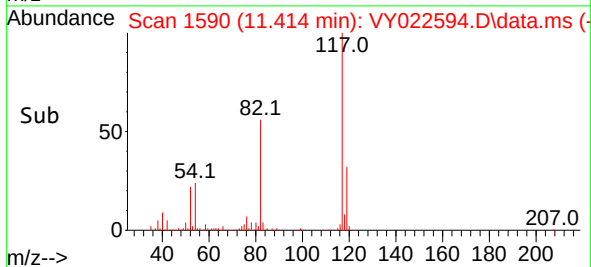
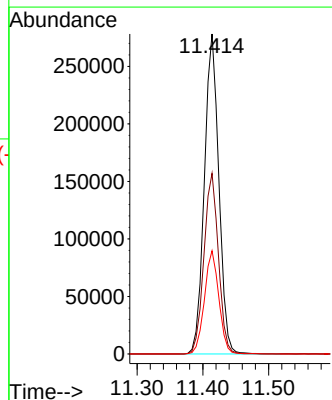
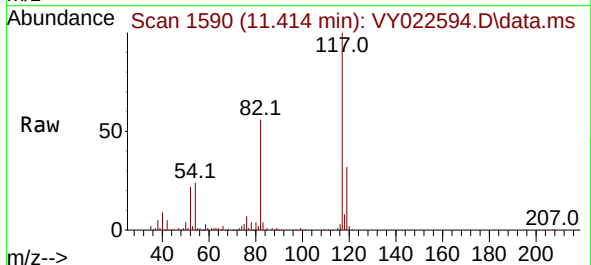
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-06

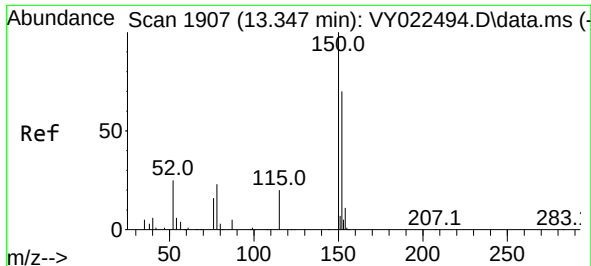
Tgt Ion: 95 Resp: 161951
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.0
176 83.6 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022594.D
Acq: 06 Jun 2025 12:50

Tgt Ion: 117 Resp: 425857
Ion Ratio Lower Upper
117 100
82 56.5 44.6 66.8
119 32.3 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022594.D

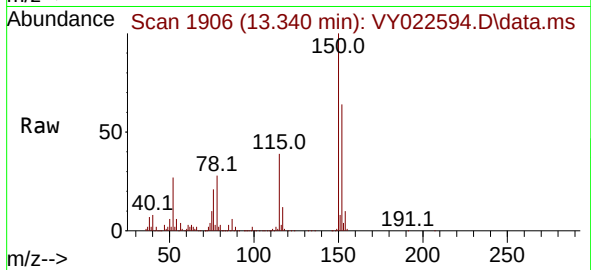
Acq: 06 Jun 2025 12:50

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-06



Tgt Ion:152 Resp: 158560

Ion Ratio Lower Upper

152 100

115 58.7 28.9 86.7

150 159.5 0.0 349.6

