

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022597.D
 Acq On : 06 Jun 2025 14:01
 Operator : SY/MD
 Sample : Q2208-29
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-09

Quant Time: Jun 06 23:42:54 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)

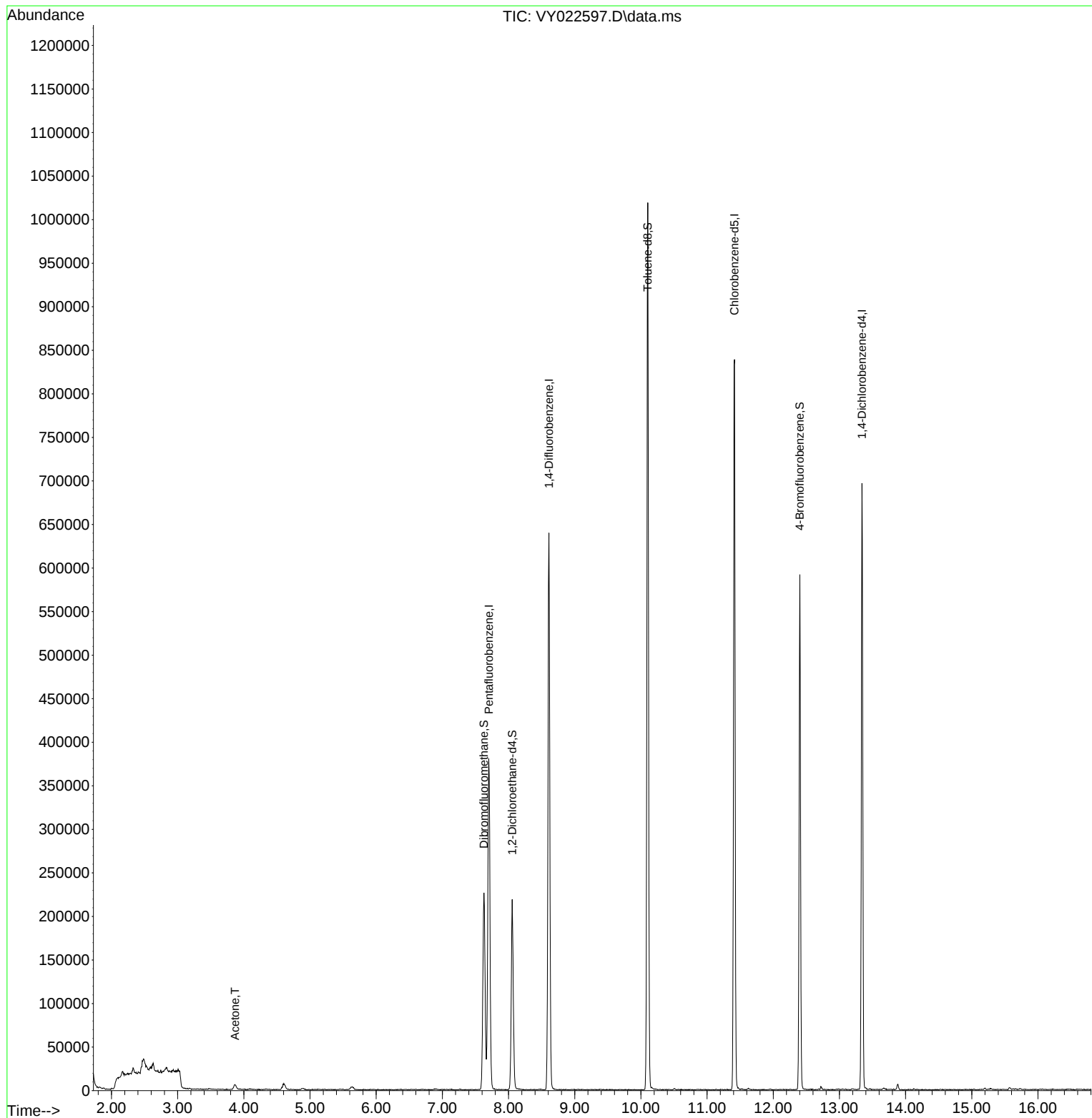
Internal Standards						
1) Pentafluorobenzene	7.701	168	282589	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	513290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	420013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	158796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	153576	48.591	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.180%
35) Dibromofluoromethane	7.628	113	154431	50.406	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.820%
50) Toluene-d8	10.103	98	618769	49.984	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.960%
62) 4-Bromofluorobenzene	12.402	95	160186	43.429	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.860%
Target Compounds						
16) Acetone	3.866	43	9307	14.500	ug/l	Qvalue 98

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

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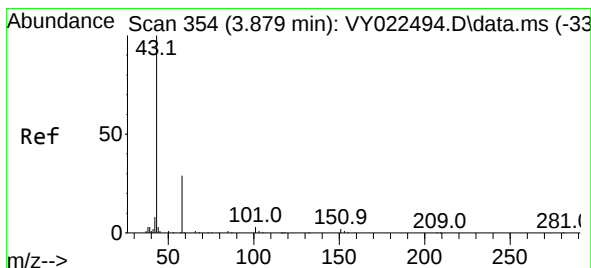
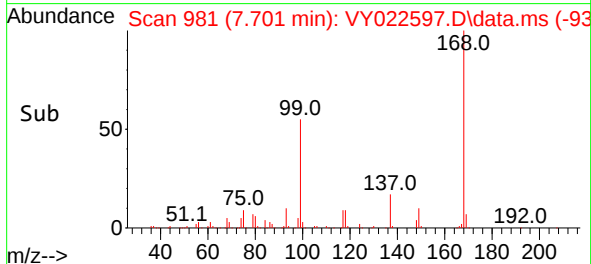
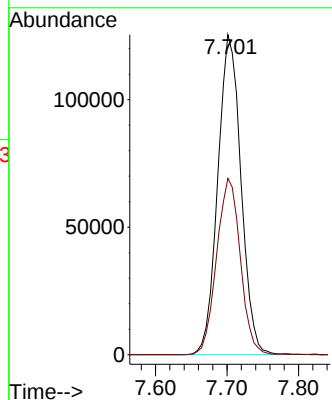
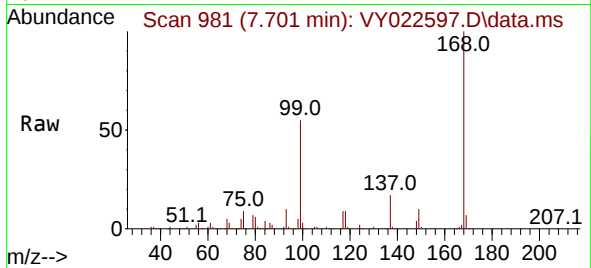




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022597.D
Acq: 06 Jun 2025 14:01

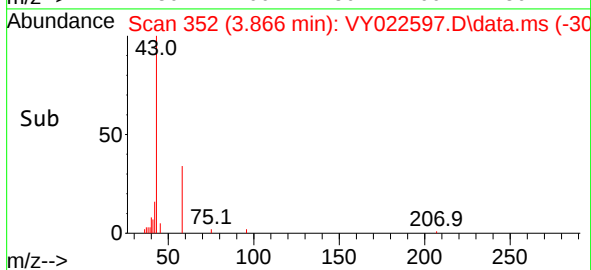
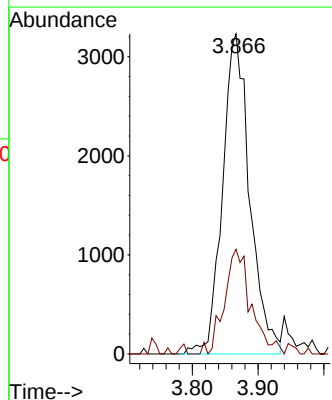
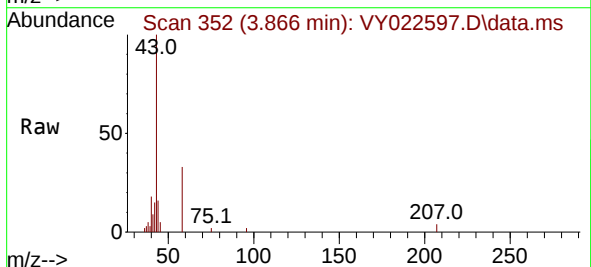
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-09

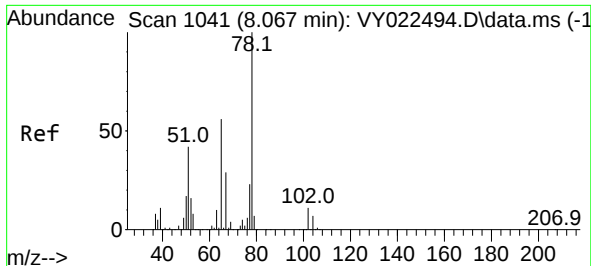
Tgt Ion:168 Resp: 282589
Ion Ratio Lower Upper
168 100
99 55.1 44.3 66.5



#16
Acetone
Concen: 14.500 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022597.D
Acq: 06 Jun 2025 14:01

Tgt Ion: 43 Resp: 9307
Ion Ratio Lower Upper
43 100
58 31.1 24.0 36.0





#33

1,2-Dichloroethane-d4

Concen: 48.591 ug/l

RT: 8.055 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY022597.D

Acq: 06 Jun 2025 14:01

Instrument :

MSVOA_Y

ClientSampleId :

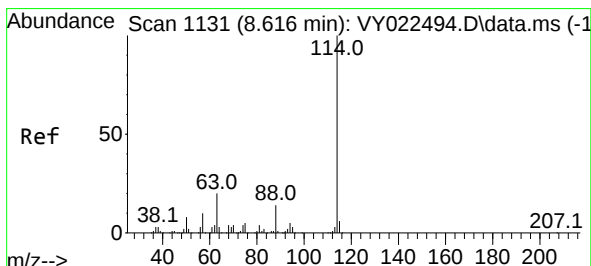
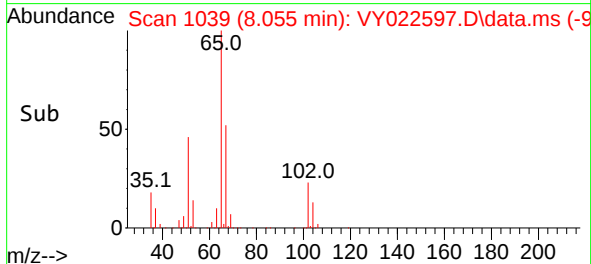
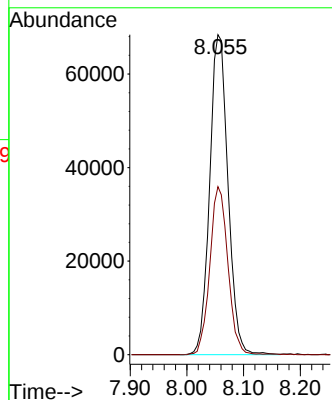
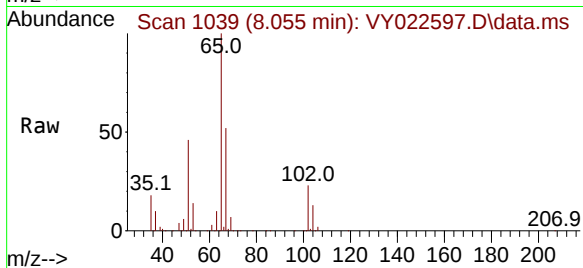
BU-703-VOC-09

Tgt Ion: 65 Resp: 153576

Ion Ratio Lower Upper

65 100

67 51.7 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: VY022597.D

Acq: 06 Jun 2025 14:01

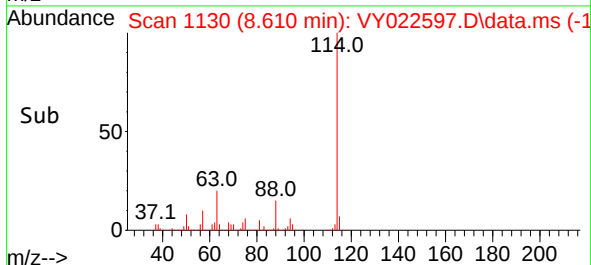
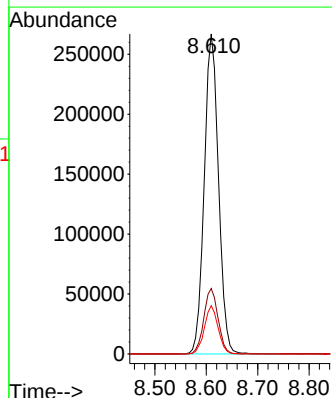
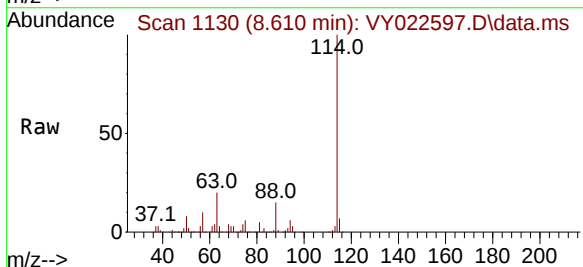
Tgt Ion: 114 Resp: 513290

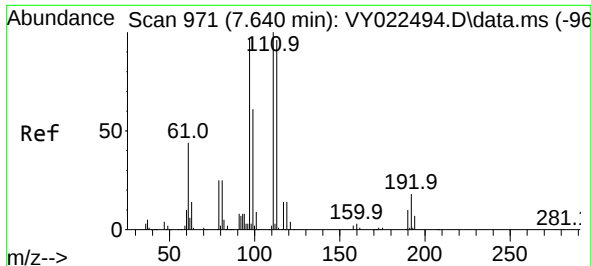
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 15.1 0.0 27.8

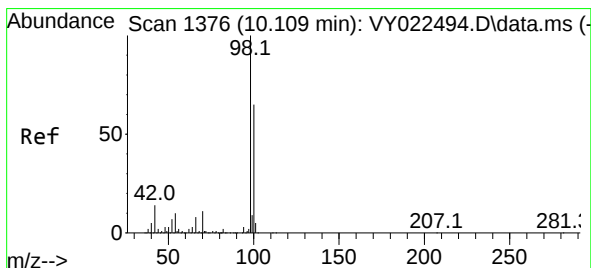
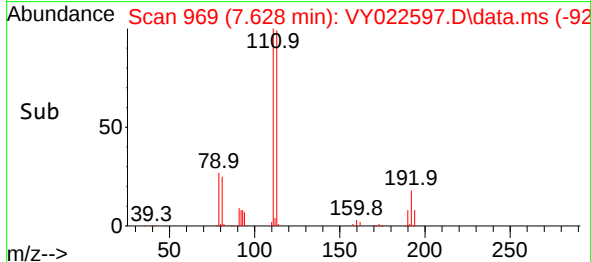
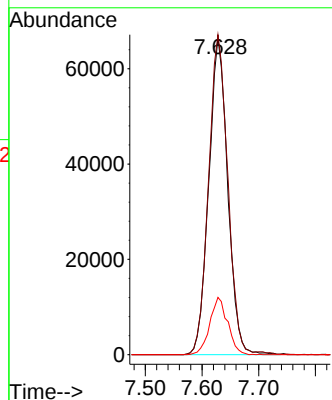
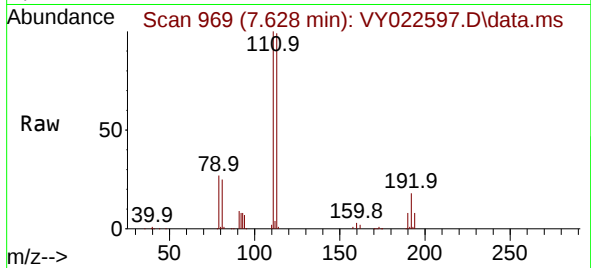




#35
Dibromofluoromethane
Concen: 50.406 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022597.D
Acq: 06 Jun 2025 14:01

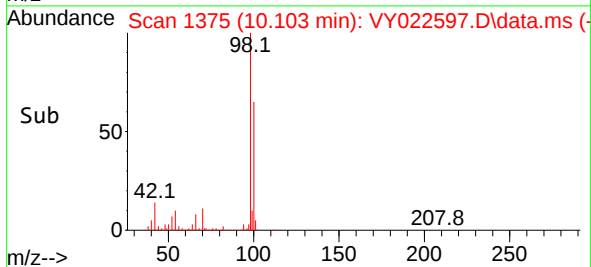
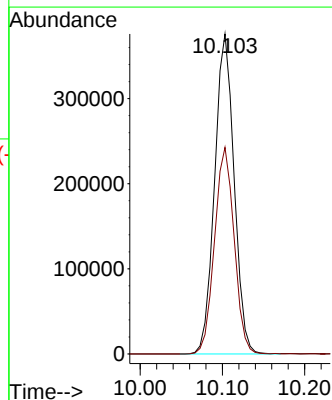
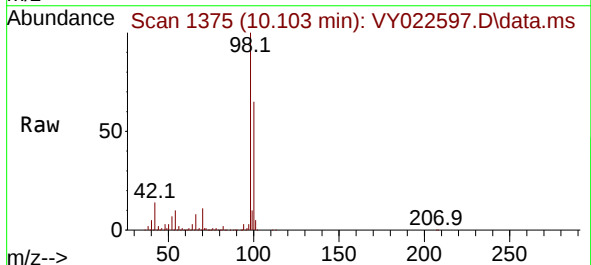
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-09

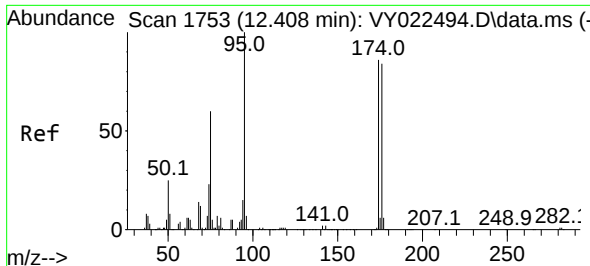
Tgt Ion:113 Resp: 154431
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 17.2 14.2 21.2



#50
Toluene-d8
Concen: 49.984 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022597.D
Acq: 06 Jun 2025 14:01

Tgt Ion: 98 Resp: 618769
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0

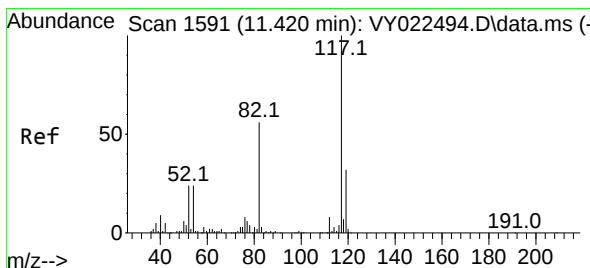
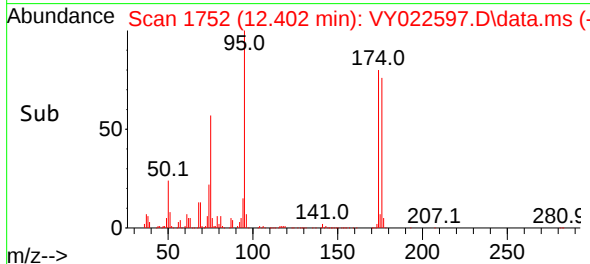
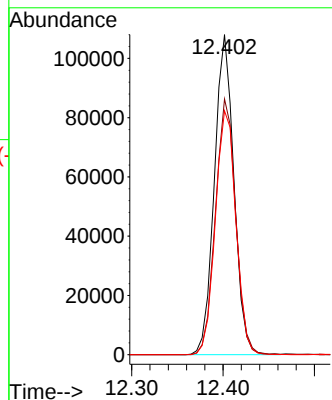
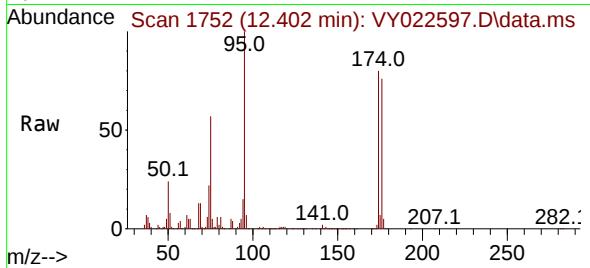




#62
4-Bromofluorobenzene
Concen: 43.429 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022597.D
Acq: 06 Jun 2025 14:01

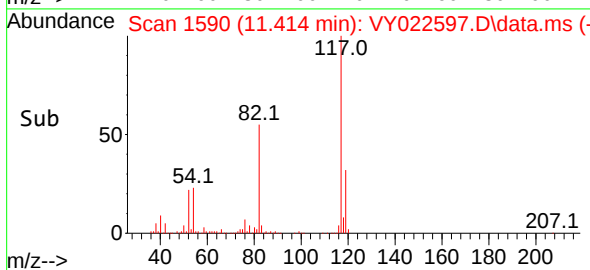
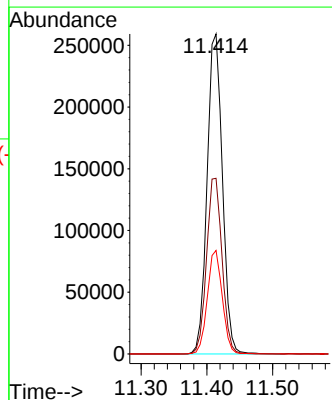
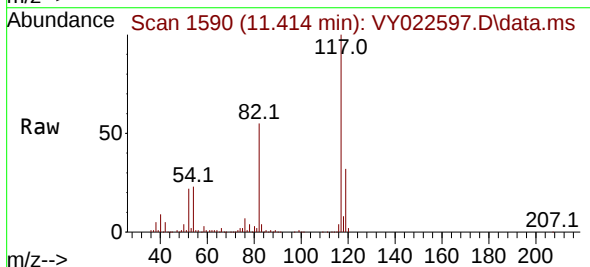
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-09

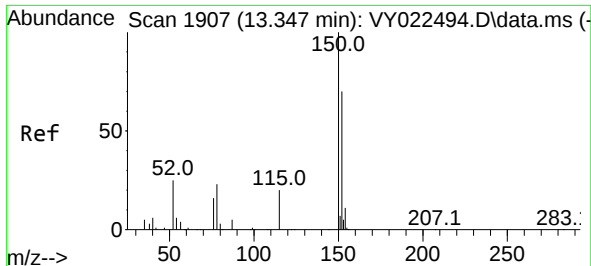
Tgt Ion: 95 Resp: 160186
Ion Ratio Lower Upper
95 100
174 83.1 0.0 170.0
176 80.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022597.D
Acq: 06 Jun 2025 14:01

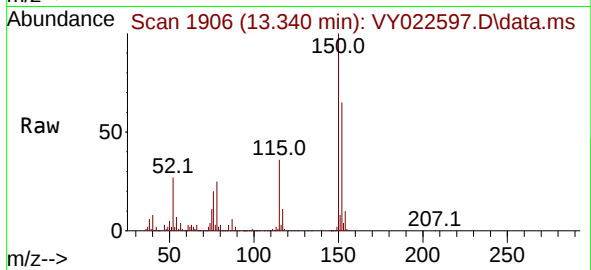
Tgt Ion: 117 Resp: 420013
Ion Ratio Lower Upper
117 100
82 54.9 44.6 66.8
119 32.3 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY022597.D
 Acq: 06 Jun 2025 14:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-09



Tgt Ion:152 Resp: 158796
 Ion Ratio Lower Upper
 152 100
 115 55.6 28.9 86.7
 150 155.0 0.0 349.6

