

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022802.D
 Acq On : 24 Jun 2025 17:03
 Operator : SY/MD
 Sample : Q2399-03
 Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-13-VOC

Quant Time: Jun 25 01:28:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

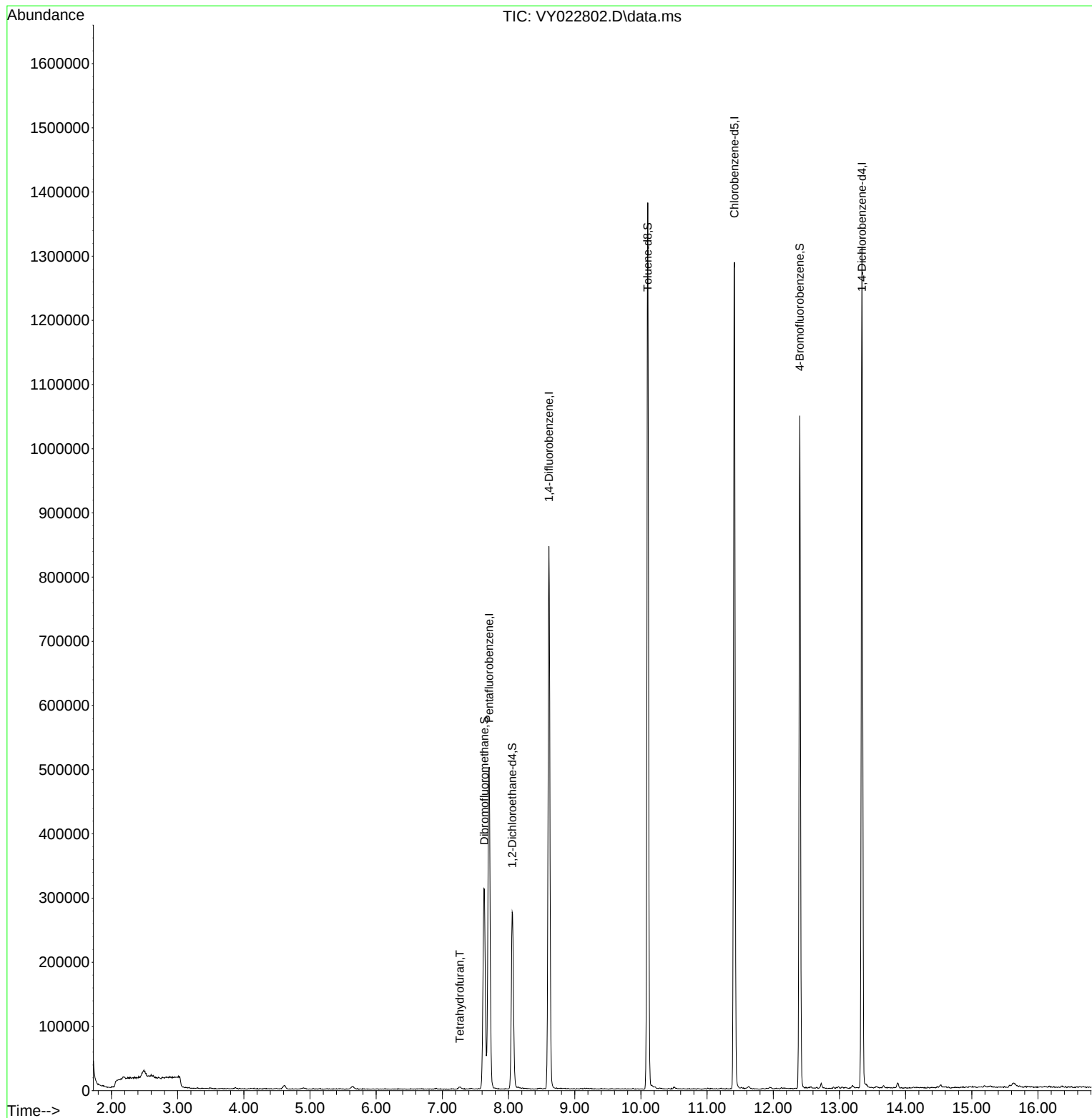
Internal Standards						
1) Pentafluorobenzene	7.707	168	393118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	710436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	676903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	313864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	218863	49.882	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.760%
35) Dibromofluoromethane	7.634	113	220900	51.128	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.260%
50) Toluene-d8	10.103	98	863231	50.350	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.700%
62) 4-Bromofluorobenzene	12.402	95	299413	54.326	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.660%
Target Compounds						
29) Tetrahydrofuran	7.262	42	2379	3.122	ug/l	98

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

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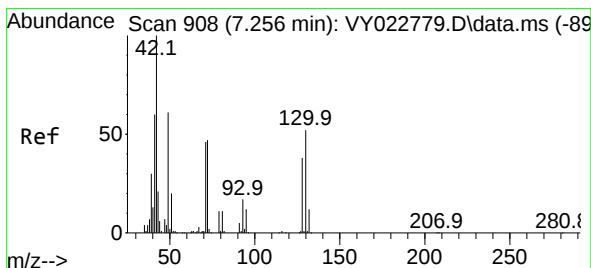
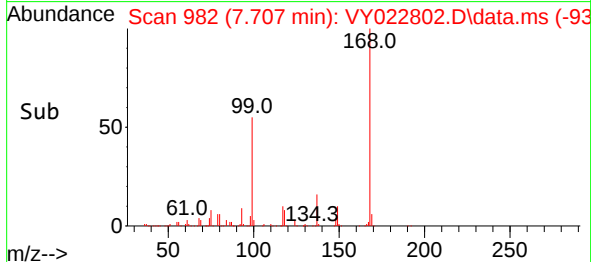
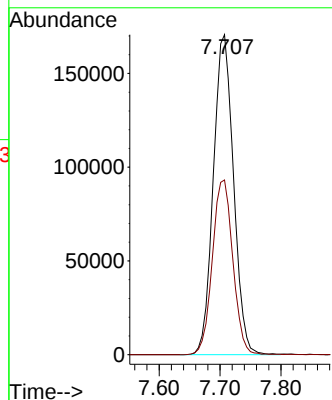
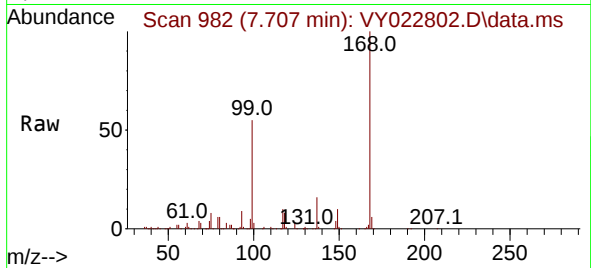




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022802.D
Acq: 24 Jun 2025 17:03

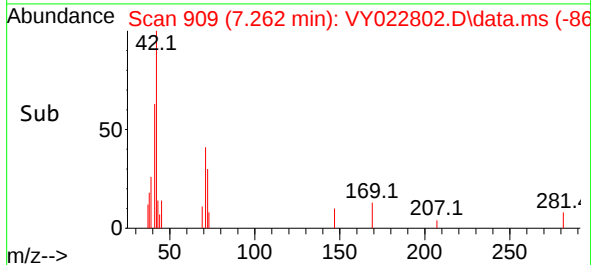
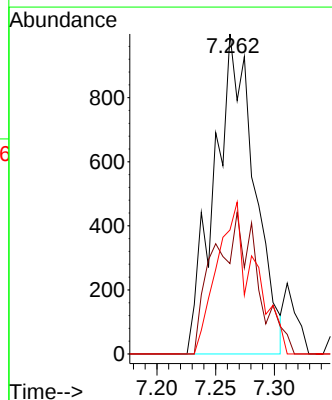
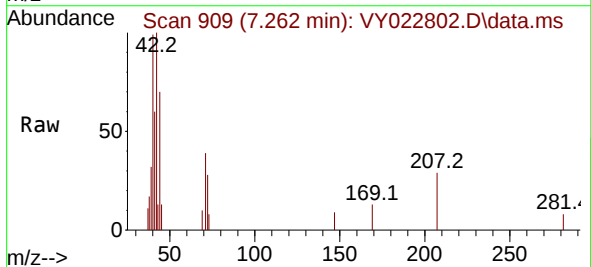
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-VOC

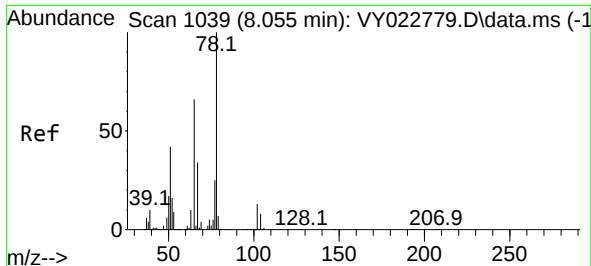
Tgt Ion:168 Resp: 393118
Ion Ratio Lower Upper
168 100
99 54.6 44.3 66.5



#29
Tetrahydrofuran
Concen: 3.122 ug/l
RT: 7.262 min Scan# 909
Delta R.T. -0.006 min
Lab File: VY022802.D
Acq: 24 Jun 2025 17:03

Tgt Ion: 42 Resp: 2379
Ion Ratio Lower Upper
42 100
72 48.0 37.4 56.2
71 44.1 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 49.882 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022802.D

Acq: 24 Jun 2025 17:03

Instrument :

MSVOA_Y

ClientSampleId :

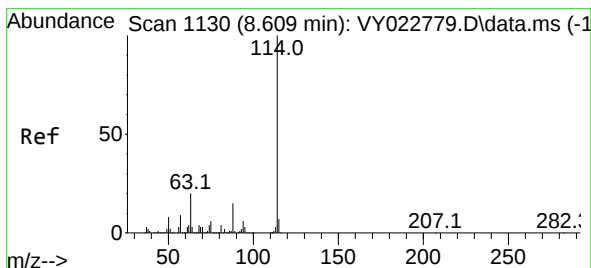
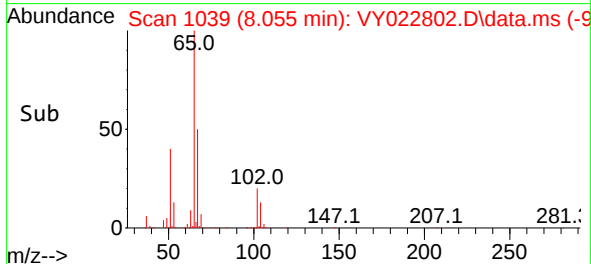
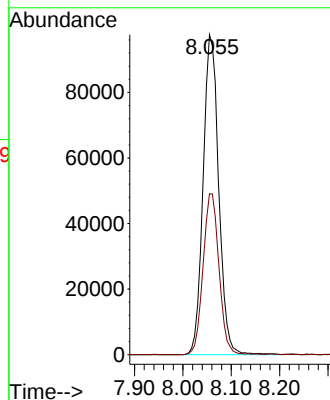
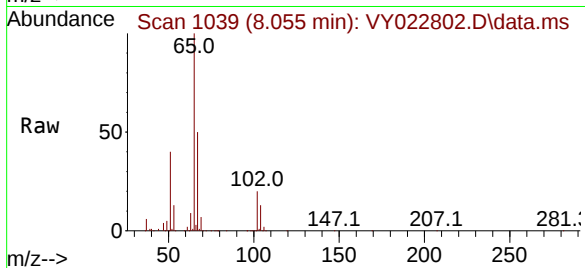
TP-13-VOC

Tgt Ion: 65 Resp: 218863

Ion Ratio Lower Upper

65 100

67 51.4 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: VY022802.D

Acq: 24 Jun 2025 17:03

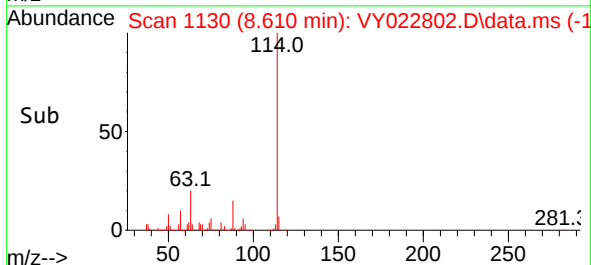
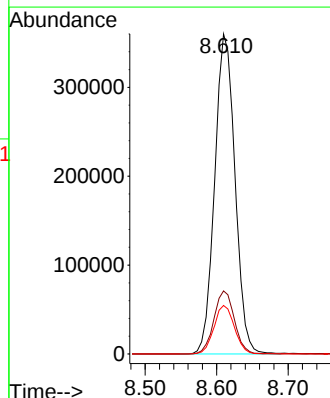
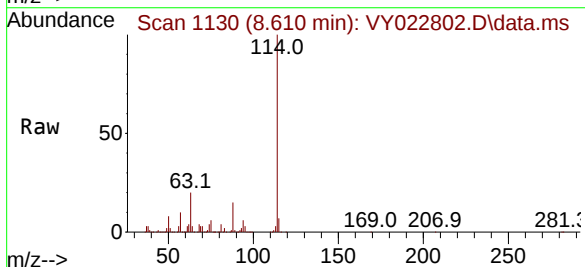
Tgt Ion: 114 Resp: 710436

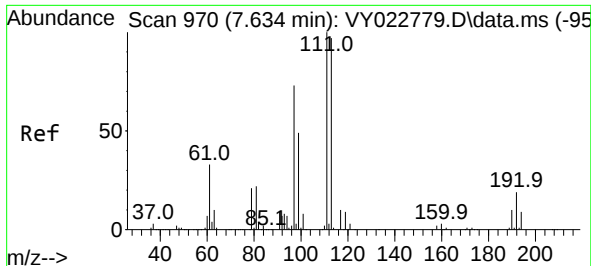
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 15.2 0.0 27.8

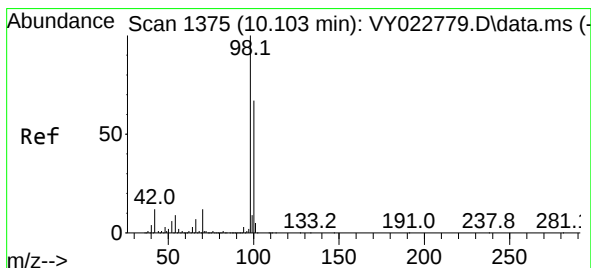
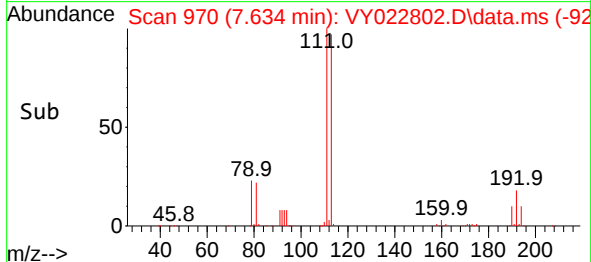
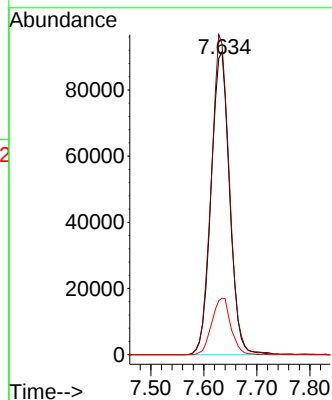
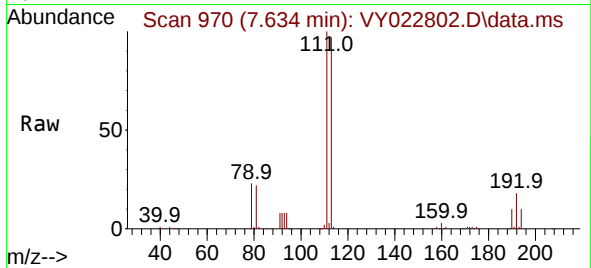




#35
Dibromofluoromethane
Concen: 51.128 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022802.D
Acq: 24 Jun 2025 17:03

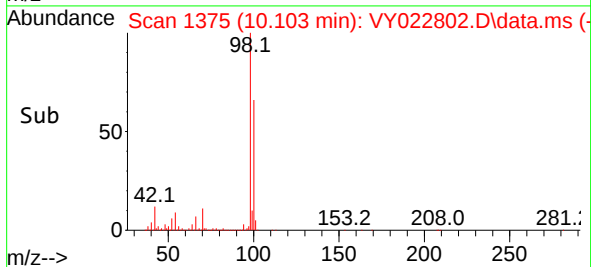
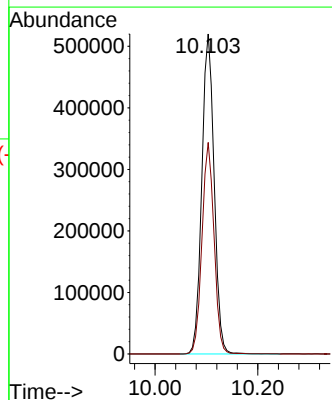
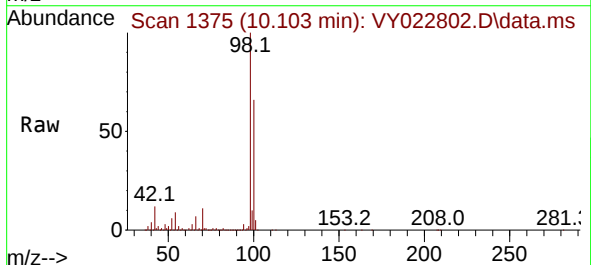
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-VOC

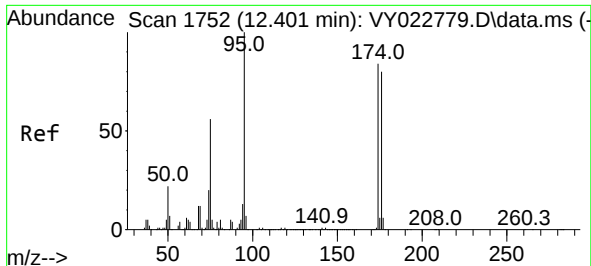
Tgt Ion:113 Resp: 220900
Ion Ratio Lower Upper
113 100
111 104.1 81.1 121.7
192 19.2 14.2 21.2



#50
Toluene-d8
Concen: 50.350 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022802.D
Acq: 24 Jun 2025 17:03

Tgt Ion: 98 Resp: 863231
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0

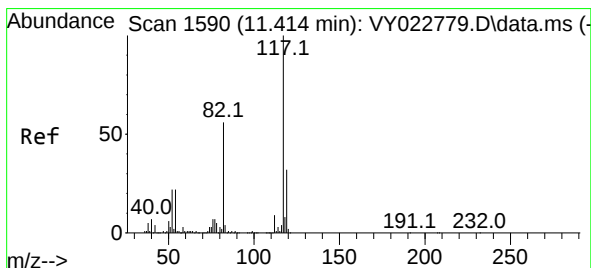
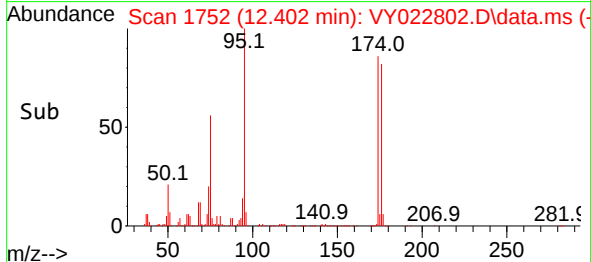
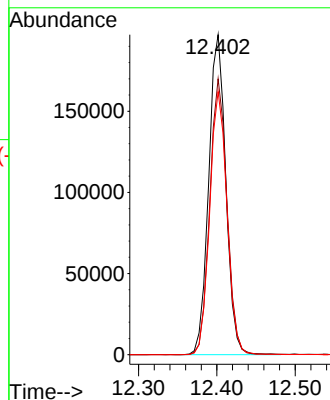
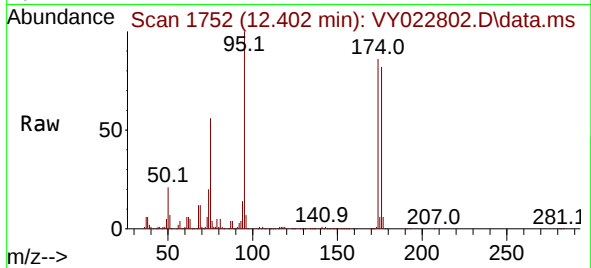




#62
4-Bromofluorobenzene
Concen: 54.326 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022802.D
Acq: 24 Jun 2025 17:03

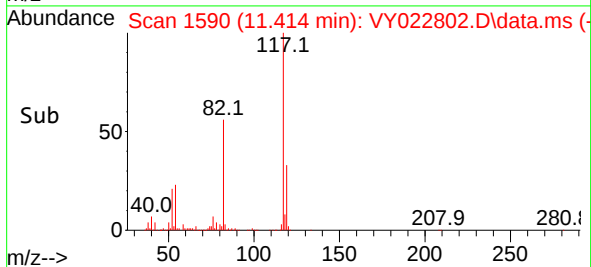
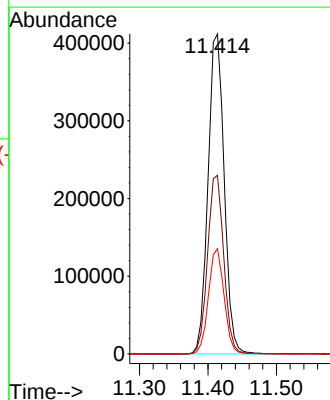
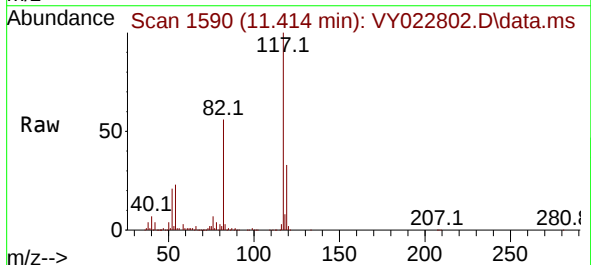
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-VOC

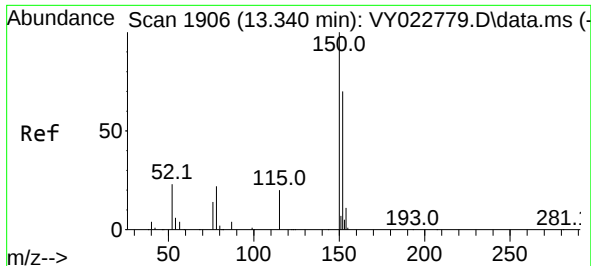
Tgt Ion: 95 Resp: 299413
Ion Ratio Lower Upper
95 100
174 86.6 0.0 170.0
176 83.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022802.D
Acq: 24 Jun 2025 17:03

Tgt Ion: 117 Resp: 676903
Ion Ratio Lower Upper
117 100
82 55.8 44.6 66.8
119 32.9 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: VY022802.D

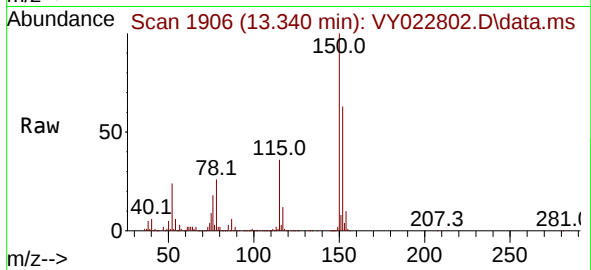
Acq: 24 Jun 2025 17:03

Instrument :

MSVOA_Y

ClientSampleId :

TP-13-VOC



Tgt Ion:152 Resp: 313864

Ion Ratio Lower Upper

152 100

115 57.3 28.9 86.7

150 156.8 0.0 349.6

