

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022886.D
 Acq On : 30 Jun 2025 17:35
 Operator : SY/MD
 Sample : Q2459-03
 Misc : 6.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

Quant Time: Jul 01 03:41:36 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)

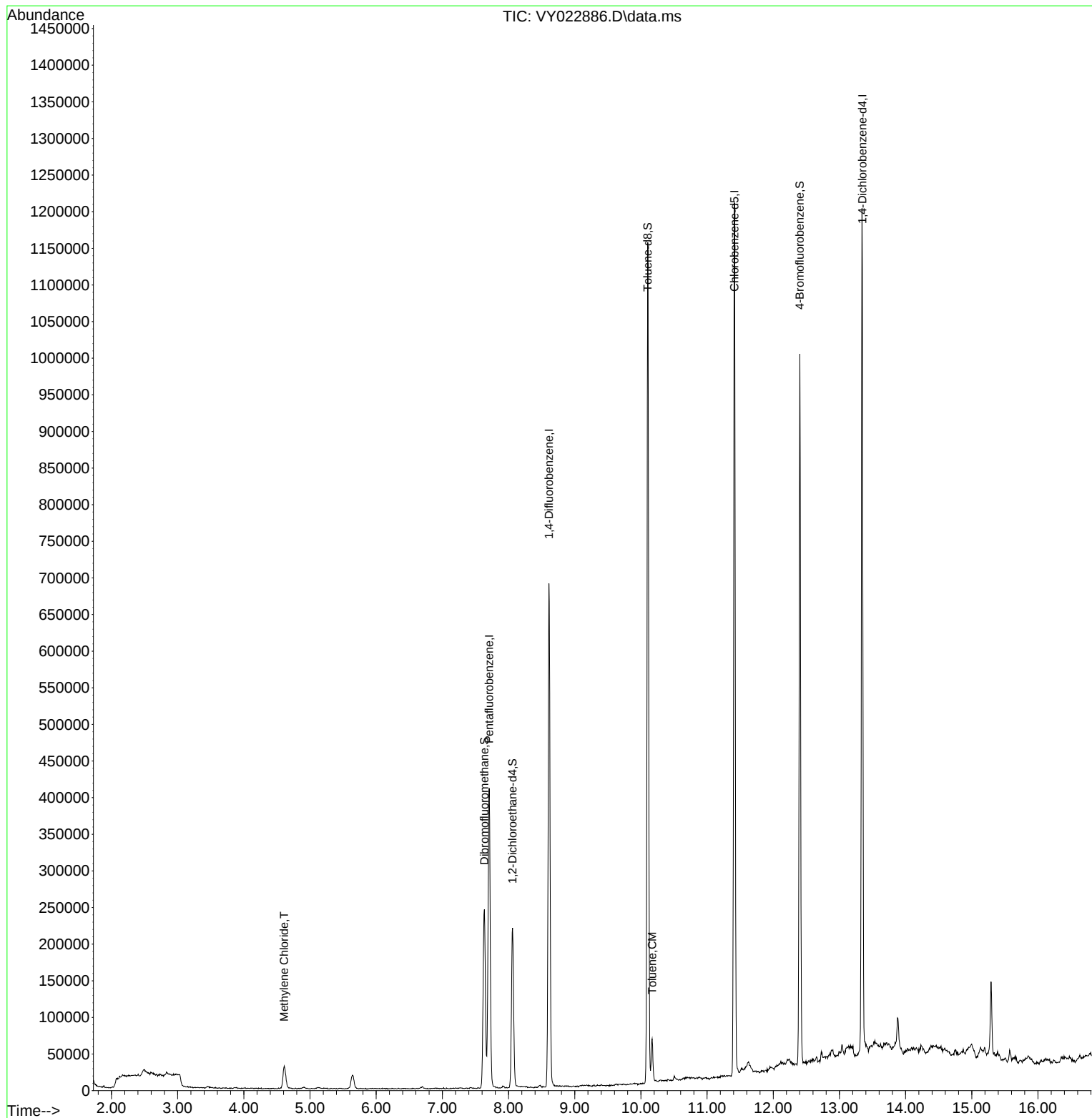
Internal Standards						
1) Pentafluorobenzene	7.707	168	304811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	580674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	602743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	271326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	170037	49.981	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.960%
35) Dibromofluoromethane	7.634	113	174294	49.356	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.720%
50) Toluene-d8	10.103	98	717777	51.222	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.440%
62) 4-Bromofluorobenzene	12.401	95	274295	60.890	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	121.780%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	21445	5.281	ug/l #	93
52) Toluene	10.170	92	22734	2.190	ug/l	98

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

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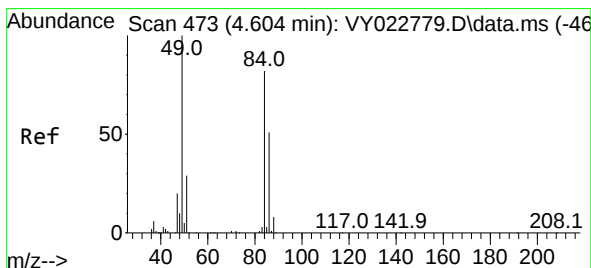
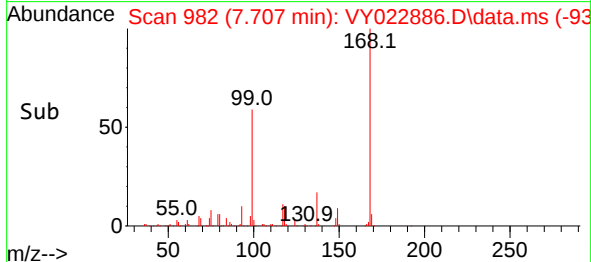
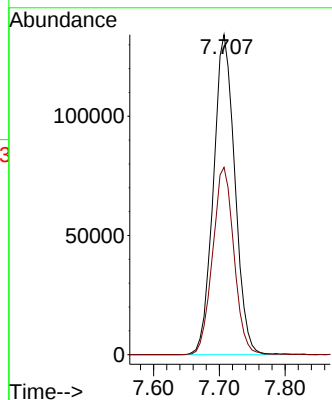
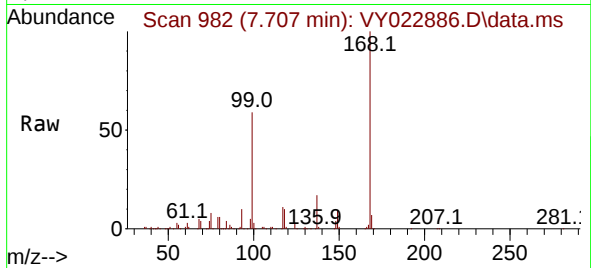




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022886.D
Acq: 30 Jun 2025 17:35

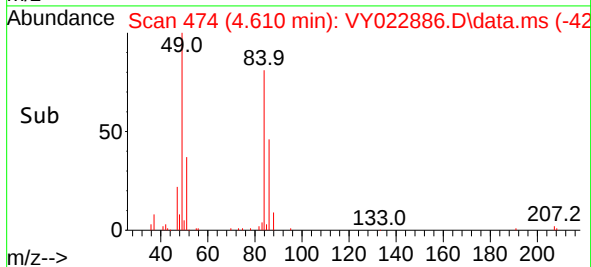
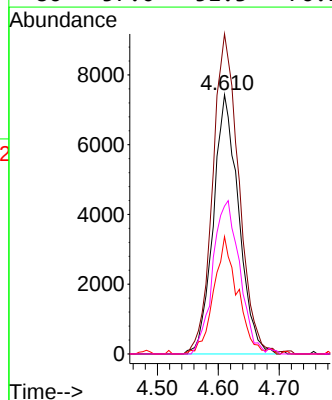
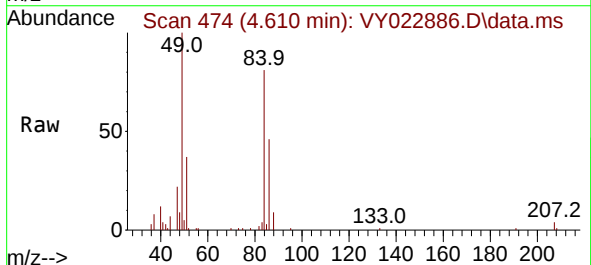
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

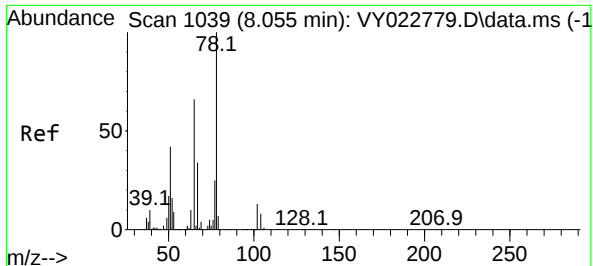
Tgt Ion:168 Resp: 304811
Ion Ratio Lower Upper
168 100
99 58.5 44.3 66.5



#20
Methylene Chloride
Concen: 5.281 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022886.D
Acq: 30 Jun 2025 17:35

Tgt Ion: 84 Resp: 21445
Ion Ratio Lower Upper
84 100
49 123.5 101.9 152.9
51 45.3 29.8 44.8#
86 57.0 51.3 76.9

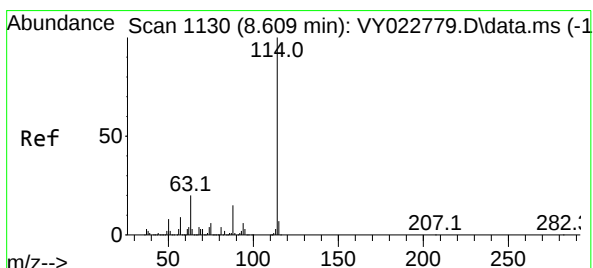
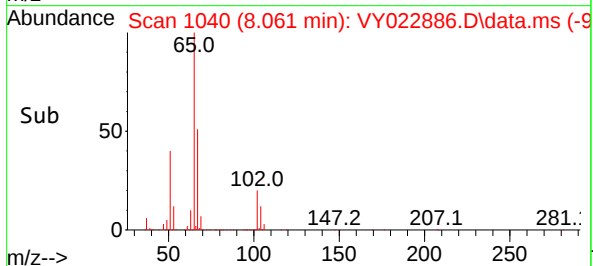
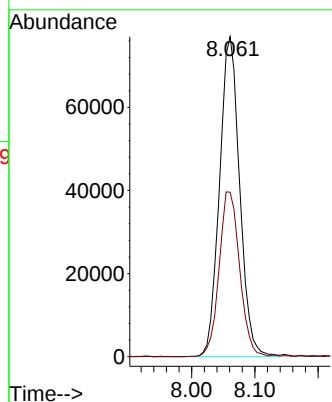
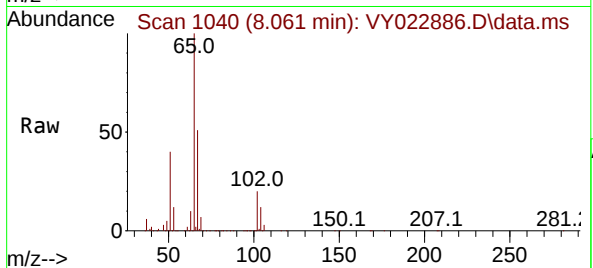




#33
1,2-Dichloroethane-d4
Concen: 49.981 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022886.D
Acq: 30 Jun 2025 17:35

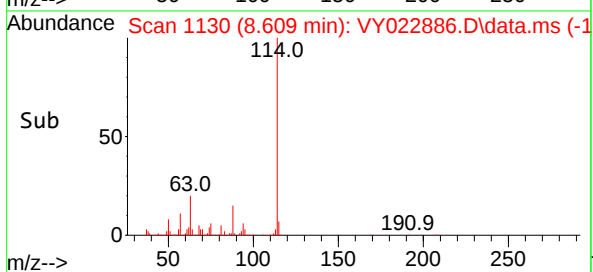
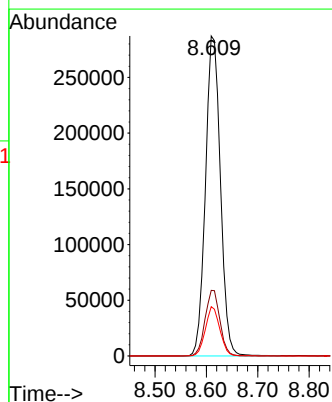
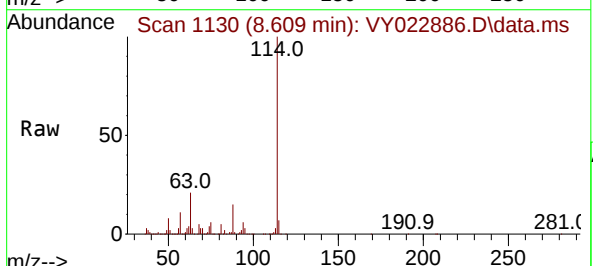
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

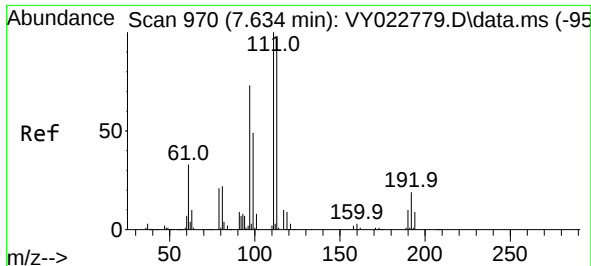
Tgt Ion: 65 Resp: 170037
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022886.D
Acq: 30 Jun 2025 17:35

Tgt Ion:114 Resp: 580674
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 15.4 0.0 27.8

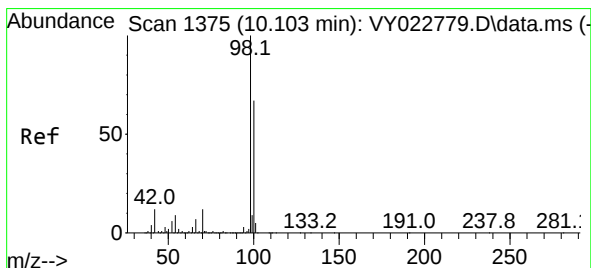
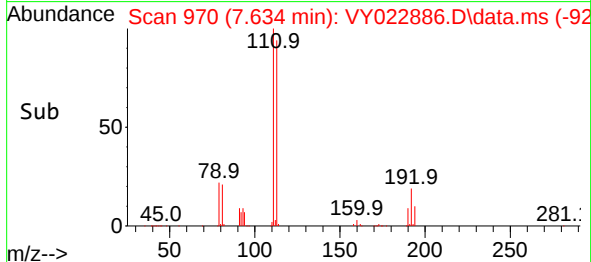
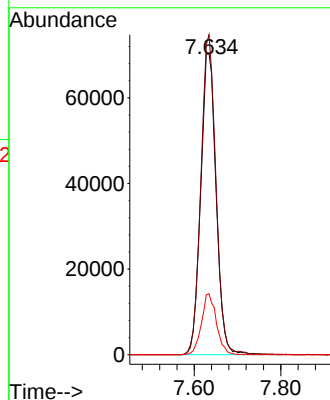
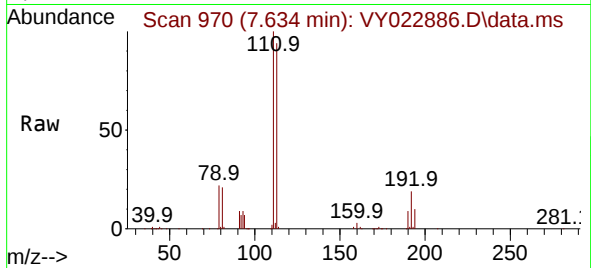




#35
Dibromofluoromethane
Concen: 49.356 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022886.D
Acq: 30 Jun 2025 17:35

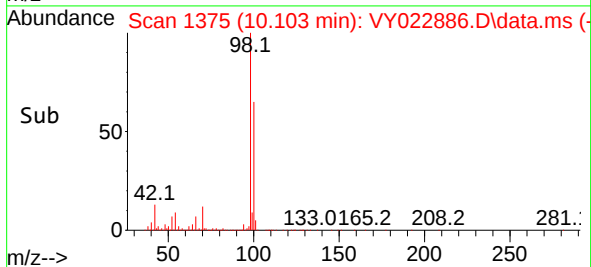
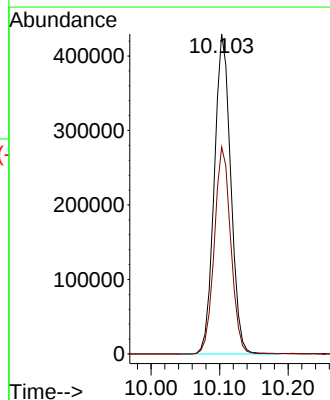
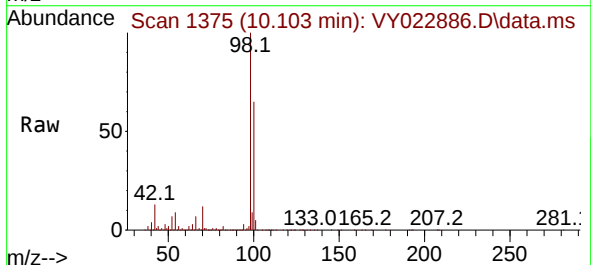
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

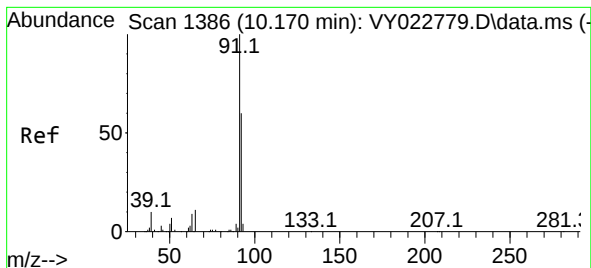
Tgt Ion:113 Resp: 174294
Ion Ratio Lower Upper
113 100
111 103.7 81.1 121.7
192 19.5 14.2 21.2



#50
Toluene-d8
Concen: 51.222 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022886.D
Acq: 30 Jun 2025 17:35

Tgt Ion: 98 Resp: 717777
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0





#52

Toluene

Concen: 2.190 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.006 min

Lab File: VY022886.D

Acq: 30 Jun 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

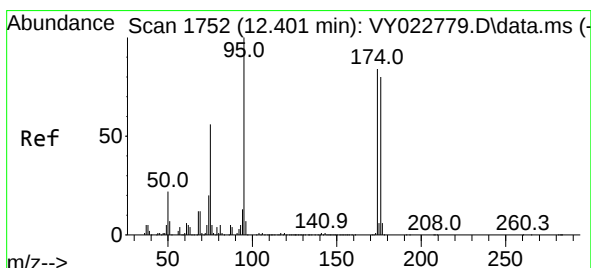
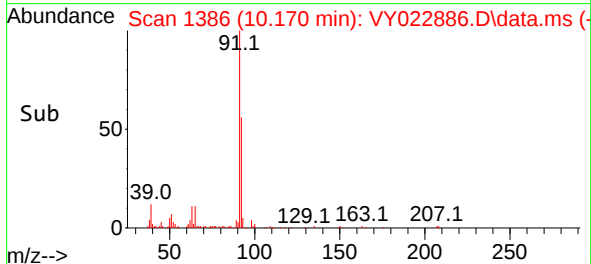
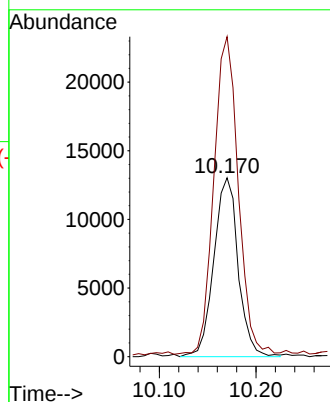
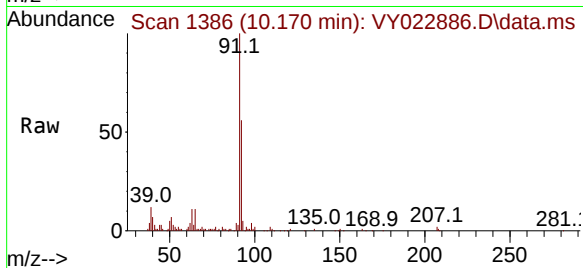
TP-1-VOC

Tgt Ion: 92 Resp: 22734

Ion Ratio Lower Upper

92 100

91 175.9 139.0 208.4



#62

4-Bromofluorobenzene

Concen: 60.890 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022886.D

Acq: 30 Jun 2025 17:35

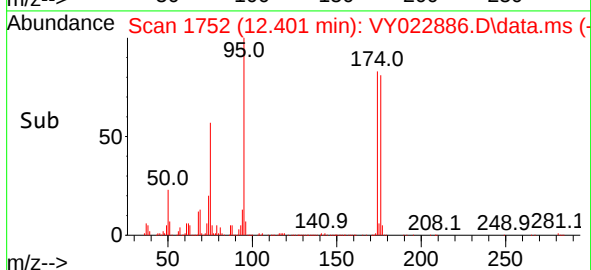
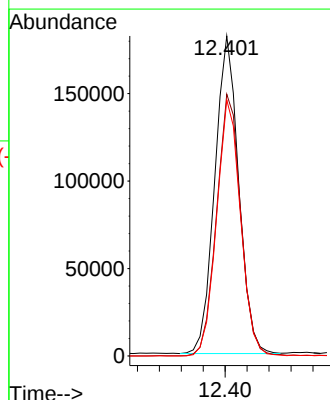
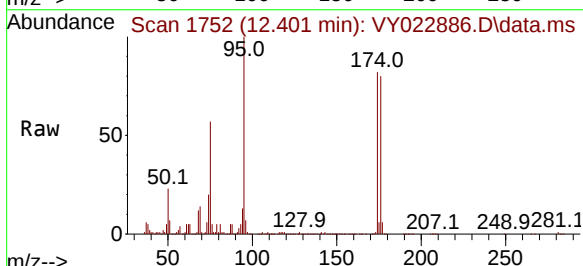
Tgt Ion: 95 Resp: 274295

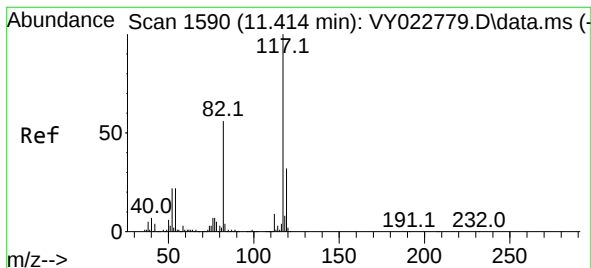
Ion Ratio Lower Upper

95 100

174 83.7 0.0 170.0

176 80.8 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022886.D

Acq: 30 Jun 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

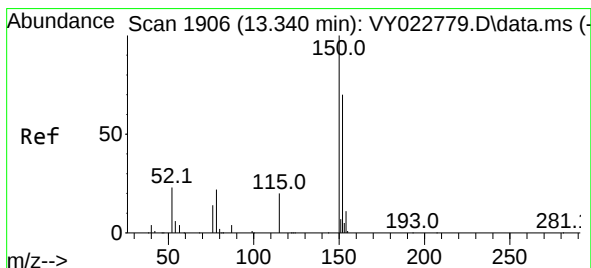
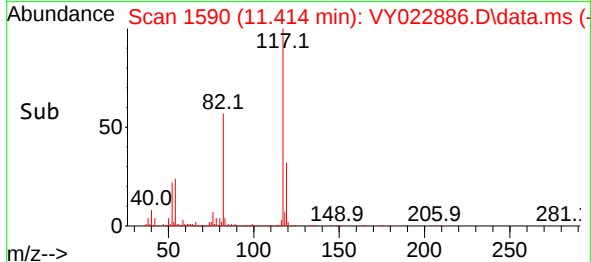
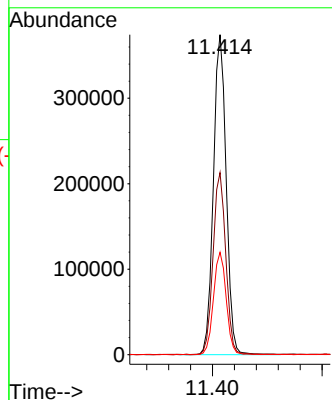
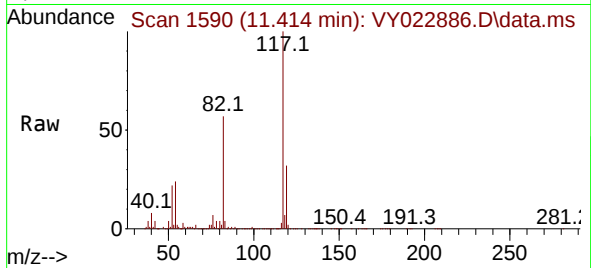
Tgt Ion:117 Resp: 602743

Ion Ratio Lower Upper

117 100

82 56.8 44.6 66.8

119 32.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022886.D

Acq: 30 Jun 2025 17:35

Tgt Ion:152 Resp: 271326

Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

150 159.1 0.0 349.6

