

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
 Data File : VY022704.D
 Acq On : 16 Jun 2025 14:12
 Operator : SY/MD
 Sample : Q2312-03
 Misc : 4.93g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

Quant Time: Jun 17 05:54:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

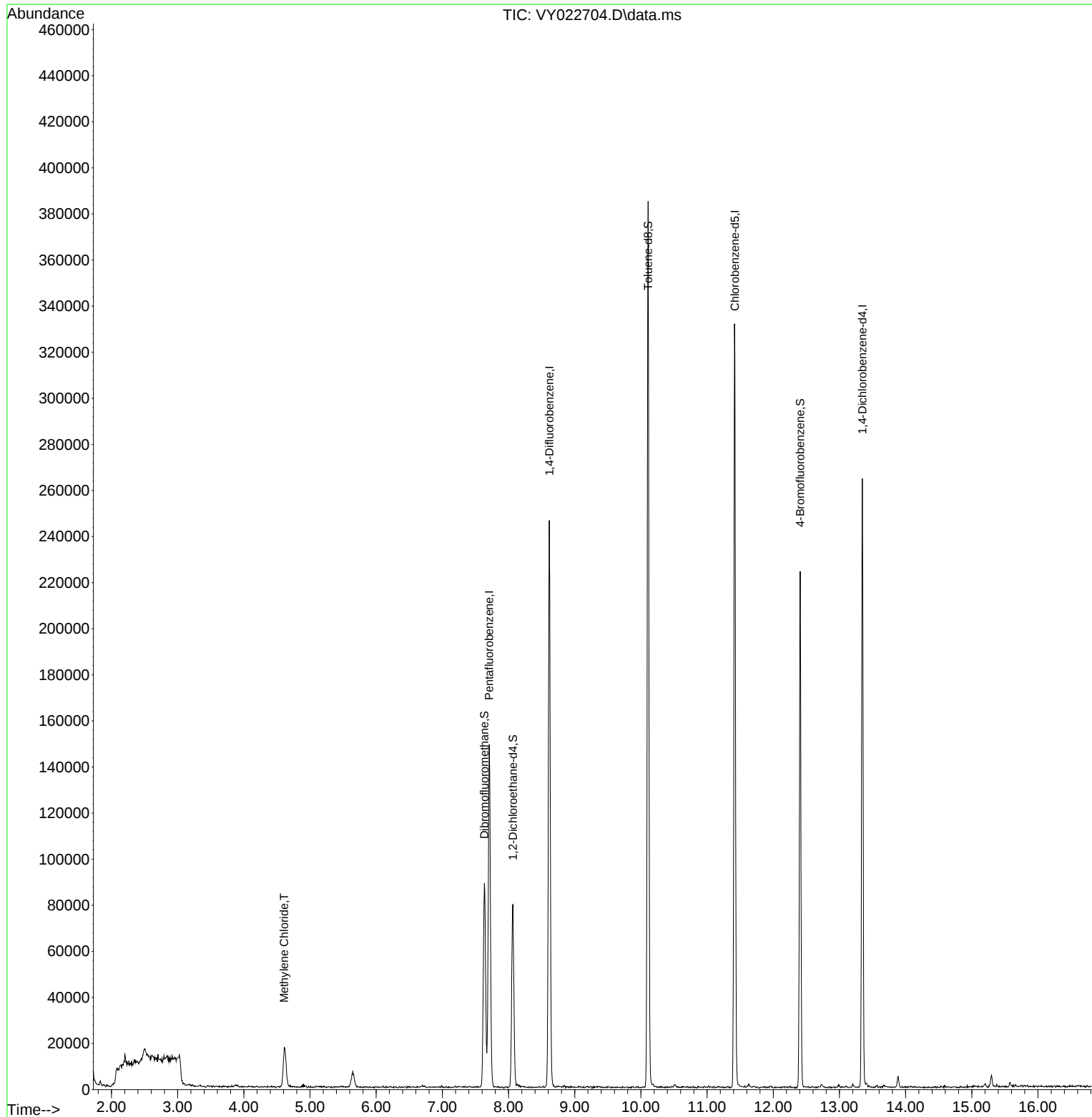
Internal Standards						
1) Pentafluorobenzene	7.707	168	106896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	201024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	165211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	61995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	60424	50.540	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.080%
35) Dibromofluoromethane	7.634	113	60637	50.536	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.080%
50) Toluene-d8	10.109	98	239392	49.377	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.760%
62) 4-Bromofluorobenzene	12.408	95	60765	42.066	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.140%
Target Compounds						Qvalue
20) Methylene Chloride	4.610	84	12603	9.138	ug/l	91

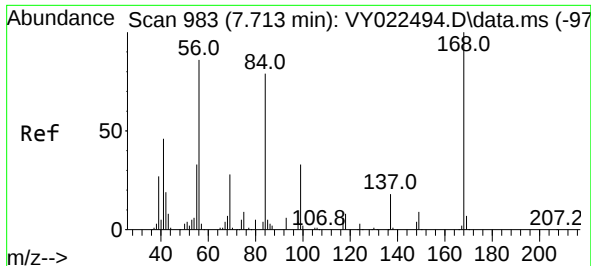
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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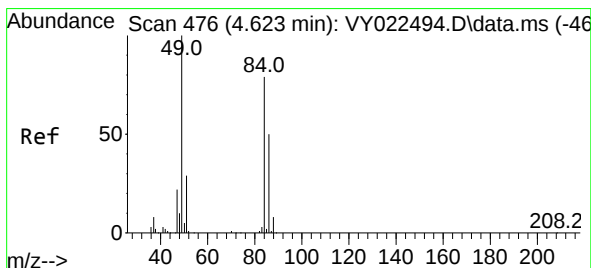
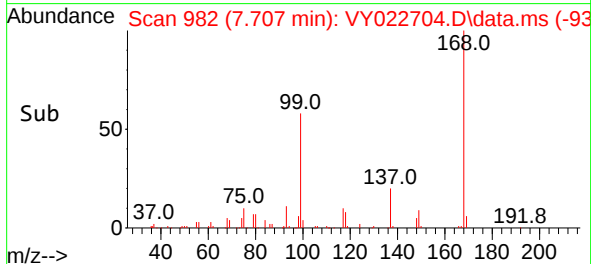
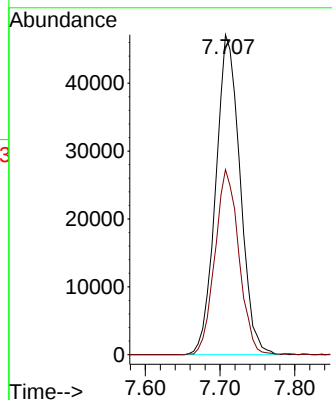
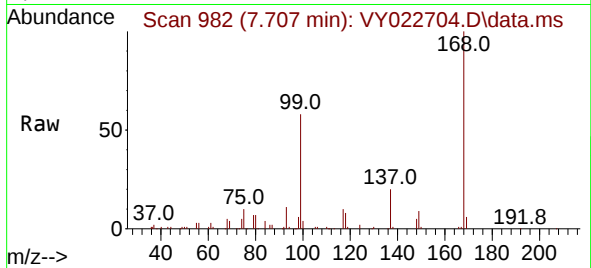




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022704.D
Acq: 16 Jun 2025 14:12

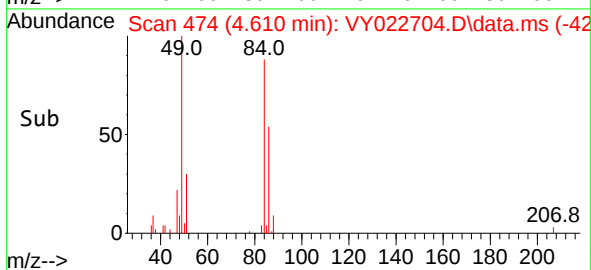
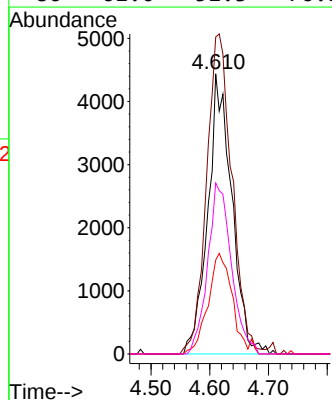
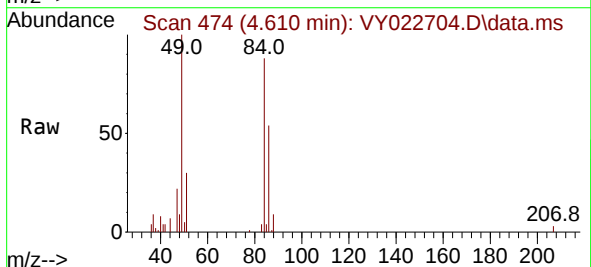
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

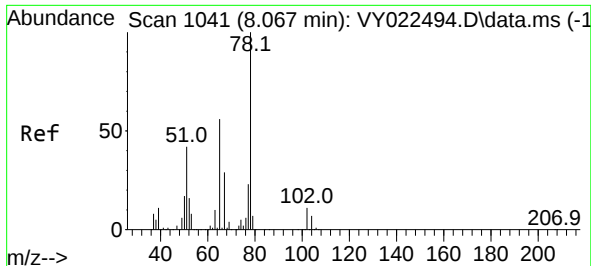
Tgt Ion:168 Resp: 106896
Ion Ratio Lower Upper
168 100
99 57.8 44.3 66.5



#20
Methylene Chloride
Concen: 9.138 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022704.D
Acq: 16 Jun 2025 14:12

Tgt Ion: 84 Resp: 12603
Ion Ratio Lower Upper
84 100
49 113.1 101.9 152.9
51 33.5 29.8 44.8
86 61.0 51.3 76.9

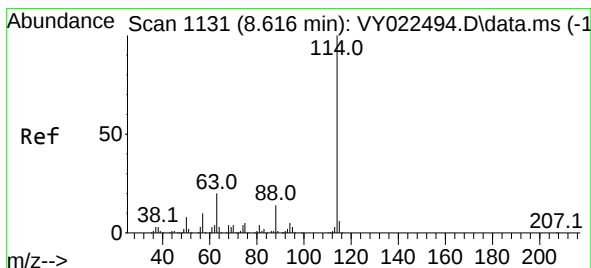
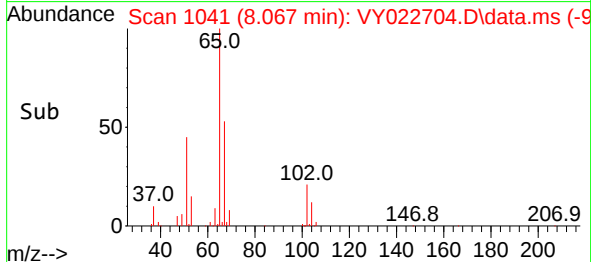
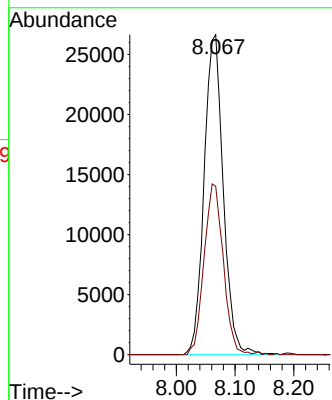
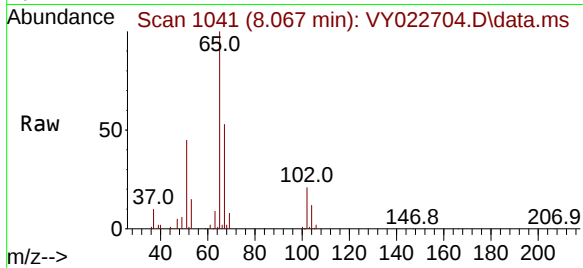




#33
1,2-Dichloroethane-d4
Concen: 50.540 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022704.D
Acq: 16 Jun 2025 14:12

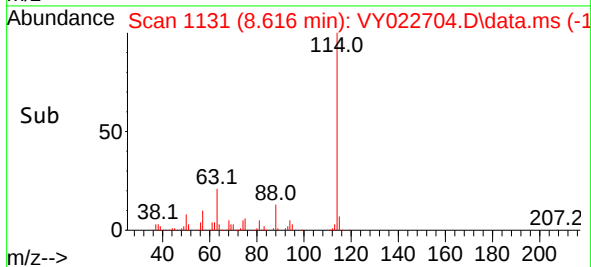
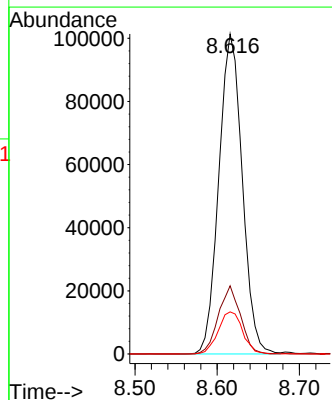
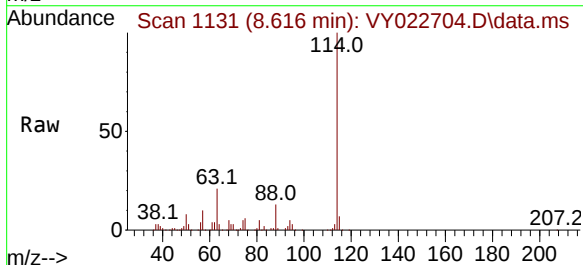
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

Tgt Ion: 65 Resp: 60424
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022704.D
Acq: 16 Jun 2025 14:12

Tgt Ion: 114 Resp: 201024
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 13.2 0.0 27.8

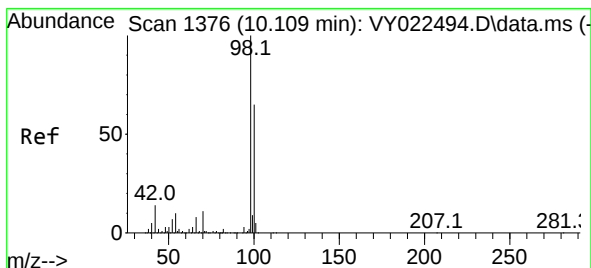
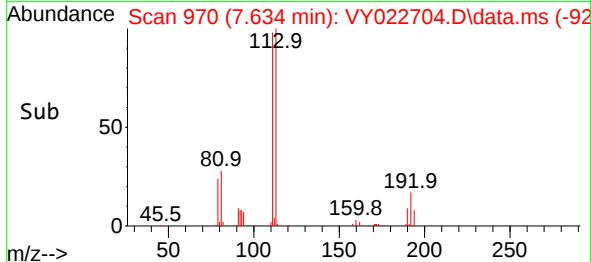
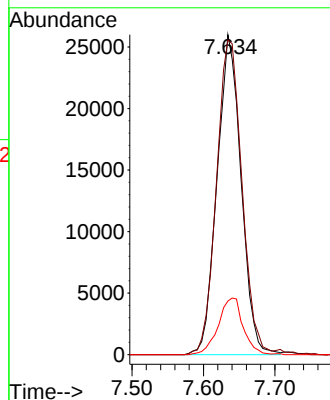
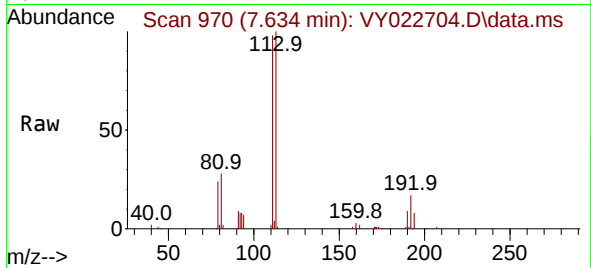




#35
Dibromofluoromethane
Concen: 50.536 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022704.D
Acq: 16 Jun 2025 14:12

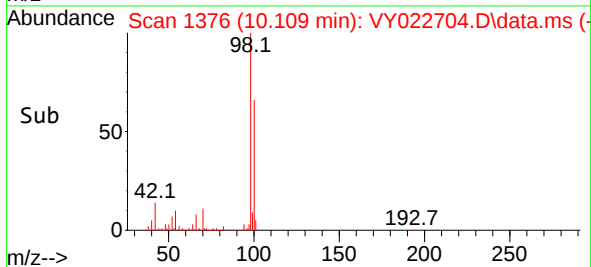
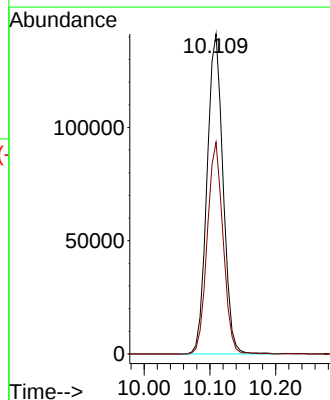
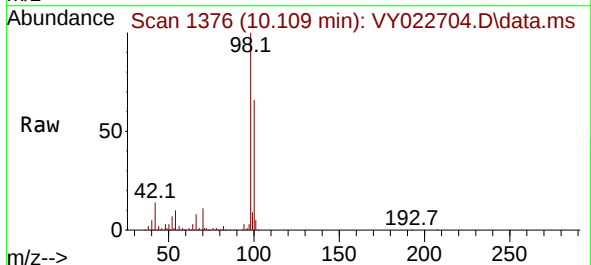
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

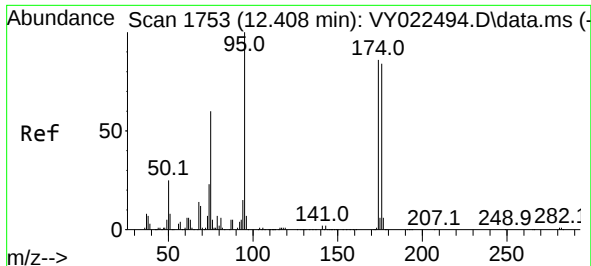
Tgt Ion:113 Resp: 60637
Ion Ratio Lower Upper
113 100
111 105.0 81.1 121.7
192 18.4 14.2 21.2



#50
Toluene-d8
Concen: 49.377 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022704.D
Acq: 16 Jun 2025 14:12

Tgt Ion: 98 Resp: 239392
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0

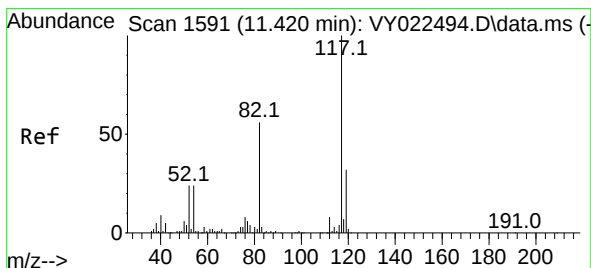
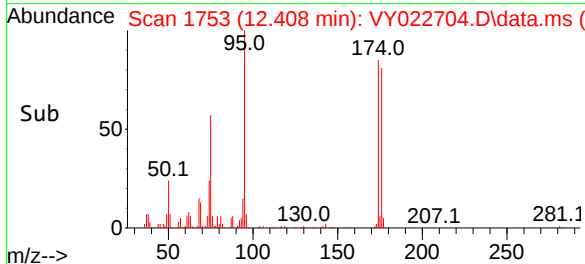
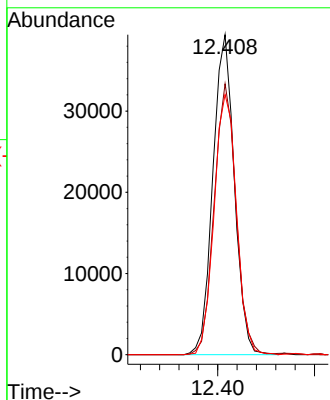
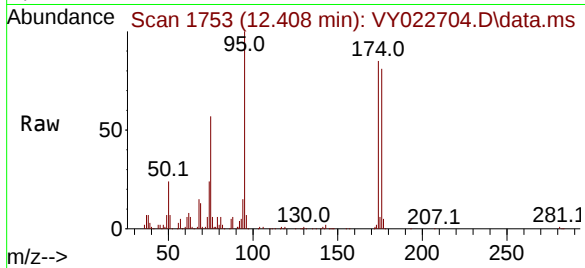




#62
4-Bromofluorobenzene
Concen: 42.066 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022704.D
Acq: 16 Jun 2025 14:12

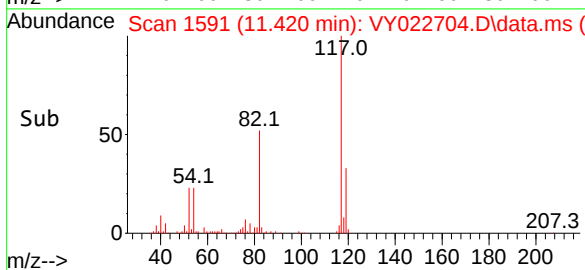
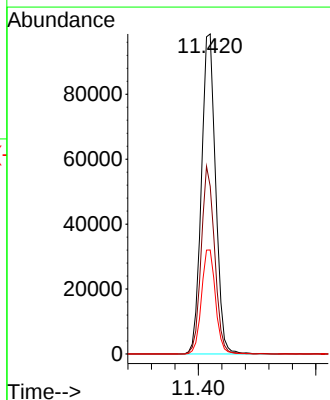
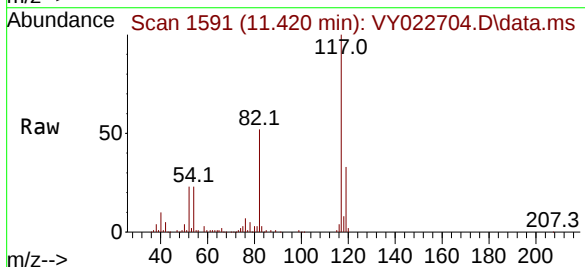
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

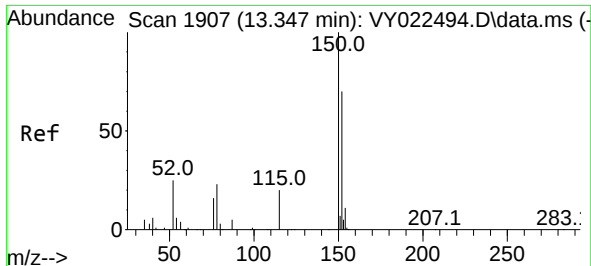
Tgt Ion: 95 Resp: 60765
Ion Ratio Lower Upper
95 100
174 86.1 0.0 170.0
176 84.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022704.D
Acq: 16 Jun 2025 14:12

Tgt Ion: 117 Resp: 165211
Ion Ratio Lower Upper
117 100
82 52.4 44.6 66.8
119 32.5 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: VY022704.D

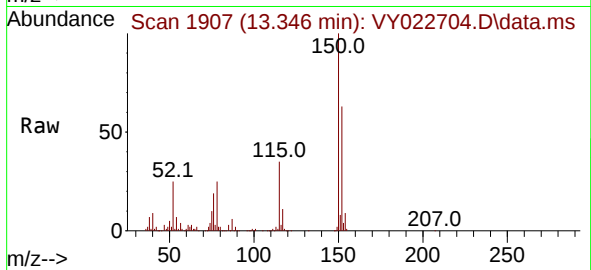
Acq: 16 Jun 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC



Tgt Ion:152 Resp: 61995

Ion Ratio Lower Upper

152 100

115 56.8 28.9 86.7

150 157.1 0.0 349.6

