

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061325\
 Data File : VY022689.D
 Acq On : 13 Jun 2025 11:55
 Operator : SY/MD
 Sample : Q2311-06
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP04-MH2MH3-VOC

Quant Time: Jun 14 02:03:30 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)

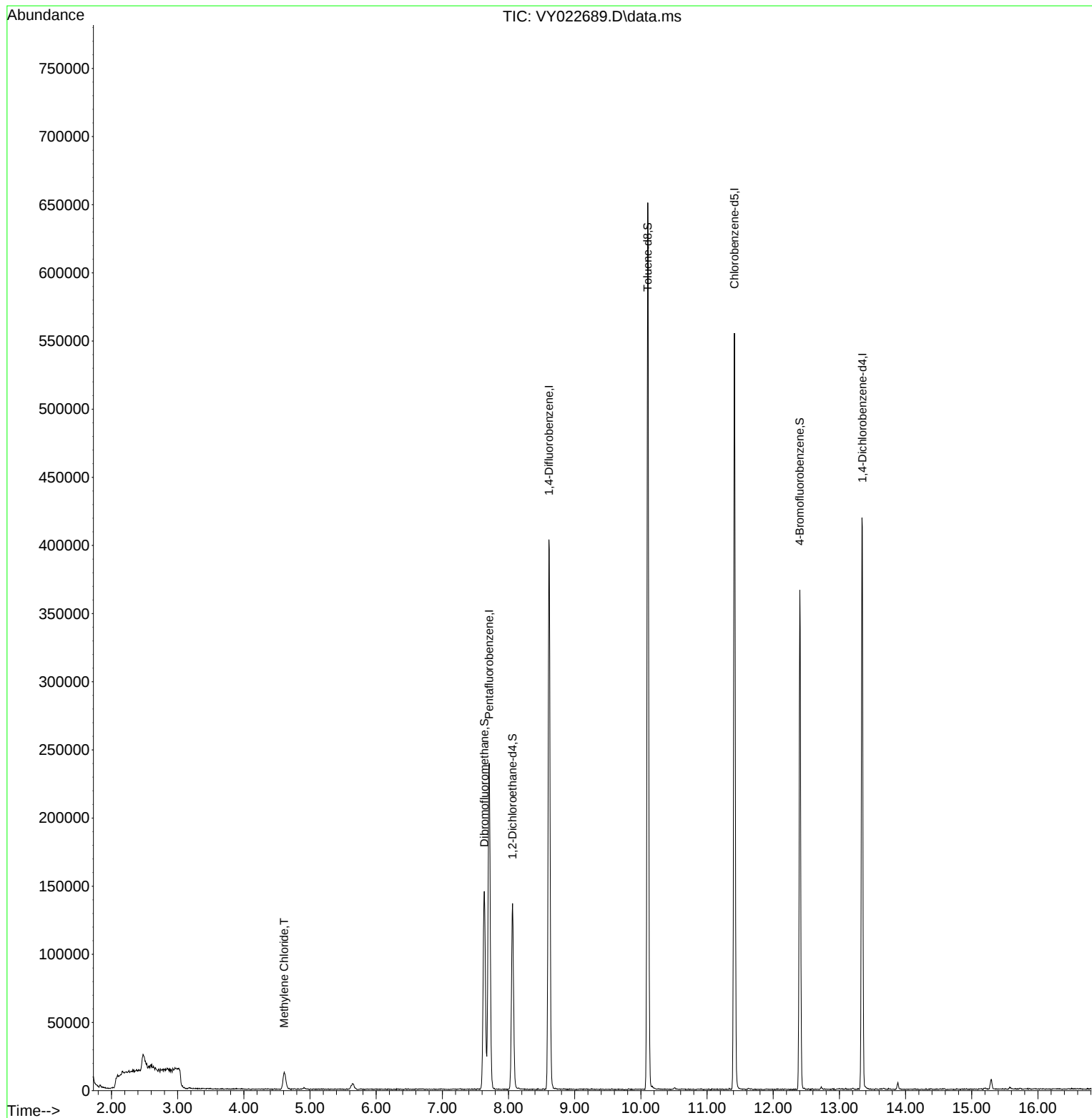
Internal Standards						
1) Pentafluorobenzene	7.707	168	178619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	333609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	267351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	95264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	100535	50.324	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	100.640%	
35) Dibromofluoromethane	7.634	113	99504	49.971	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	99.940%	
50) Toluene-d8	10.103	98	399261	49.623	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	99.240%	
62) 4-Bromofluorobenzene	12.401	95	98682	41.164	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	82.320%	
Target Compounds						
						Qvalue
20) Methylene Chloride	4.610	84	8640	3.749	ug/l	# 95

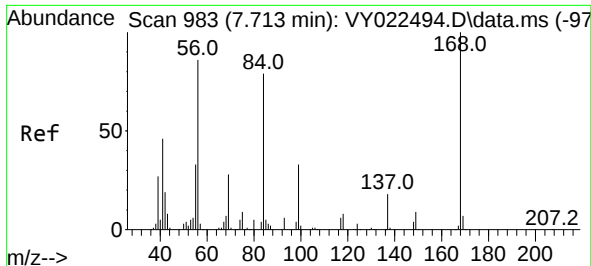
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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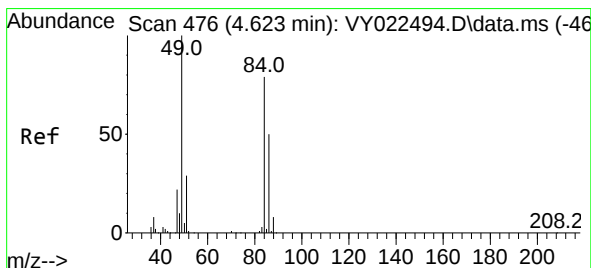
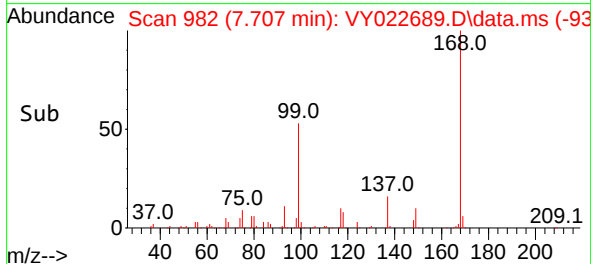
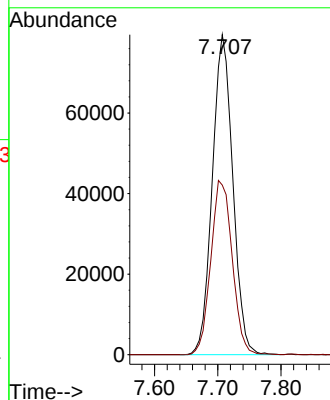
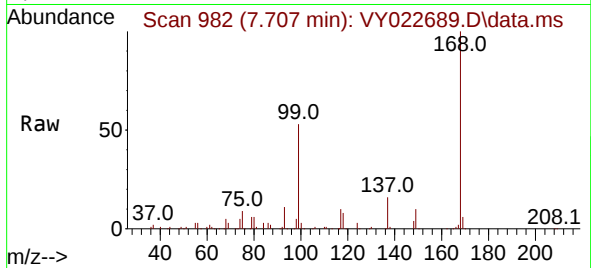




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022689.D
Acq: 13 Jun 2025 11:55

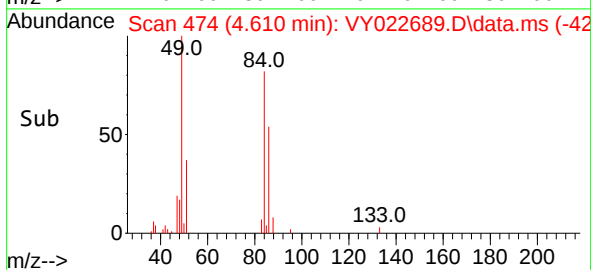
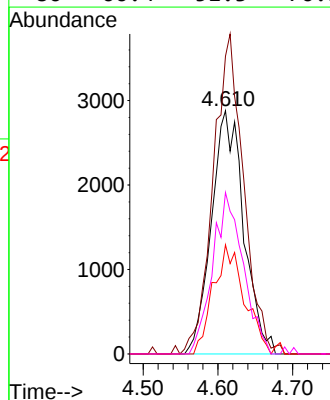
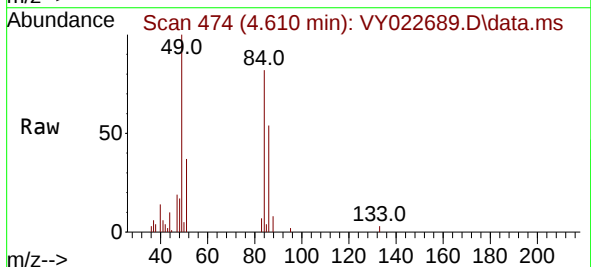
Instrument :
MSVOA_Y
ClientSampleId :
TP04-MH2MH3-VOC

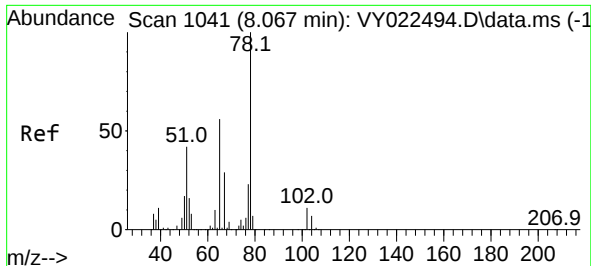
Tgt Ion:168 Resp: 178619
Ion Ratio Lower Upper
168 100
99 53.0 44.3 66.5



#20
Methylene Chloride
Concen: 3.749 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022689.D
Acq: 13 Jun 2025 11:55

Tgt Ion: 84 Resp: 8640
Ion Ratio Lower Upper
84 100
49 122.5 101.9 152.9
51 44.9 29.8 44.8#
86 66.4 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 50.324 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022689.D

Acq: 13 Jun 2025 11:55

Instrument :

MSVOA_Y

ClientSampleId :

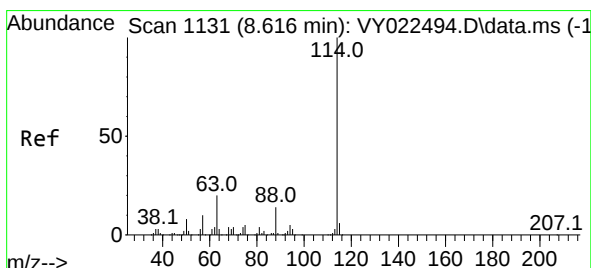
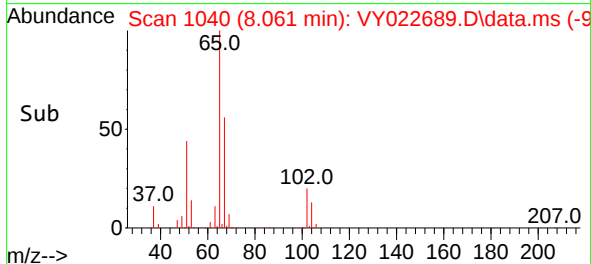
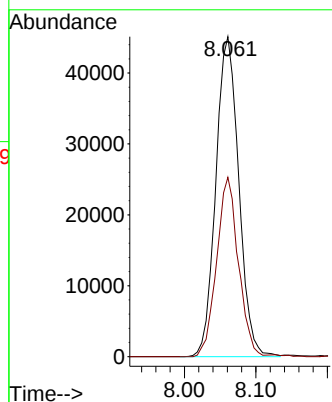
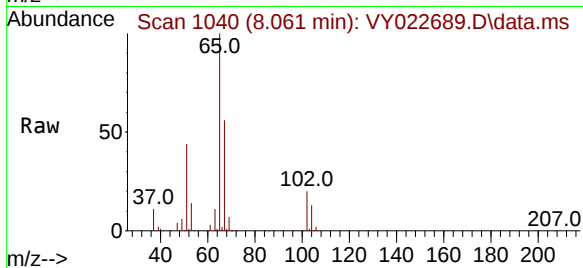
TP04-MH2MH3-VOC

Tgt Ion: 65 Resp: 100535

Ion Ratio Lower Upper

65 100

67 53.1 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: VY022689.D

Acq: 13 Jun 2025 11:55

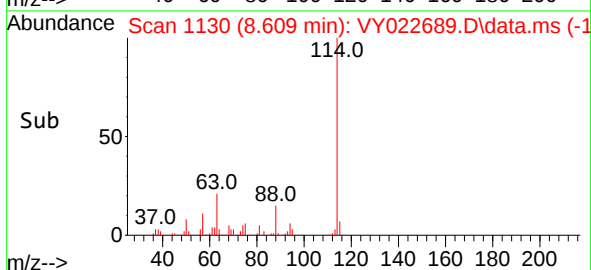
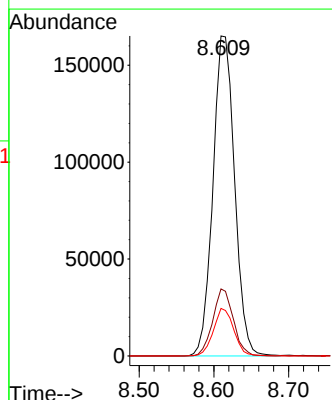
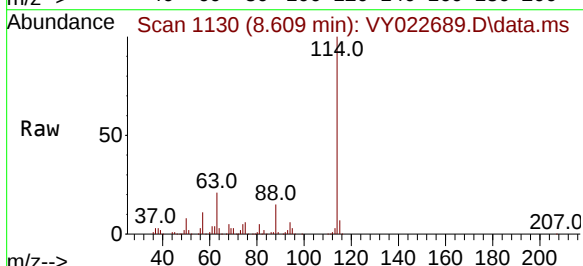
Tgt Ion: 114 Resp: 333609

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 14.8 0.0 27.8

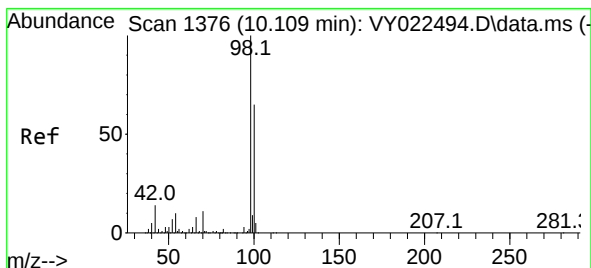
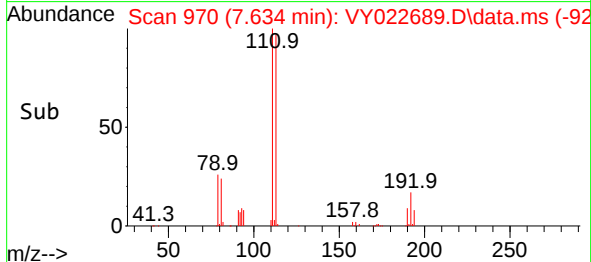
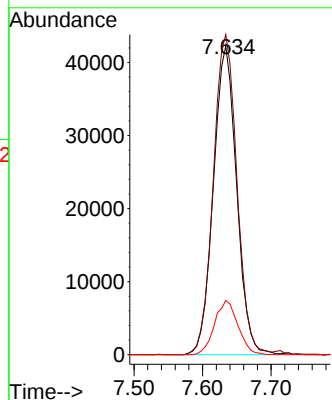
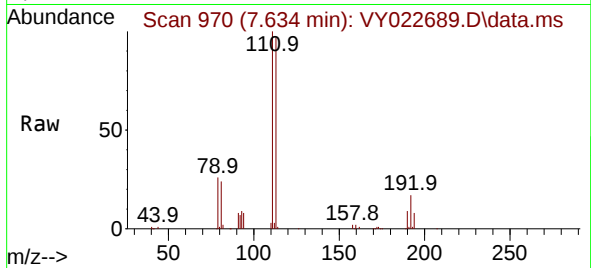




#35
Dibromofluoromethane
Concen: 49.971 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022689.D
Acq: 13 Jun 2025 11:55

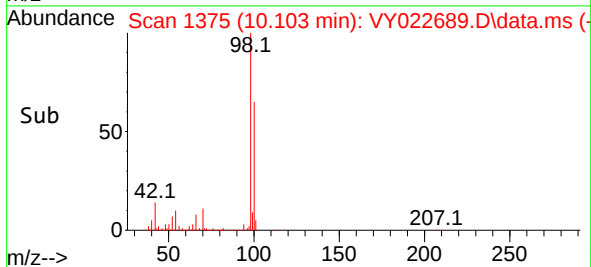
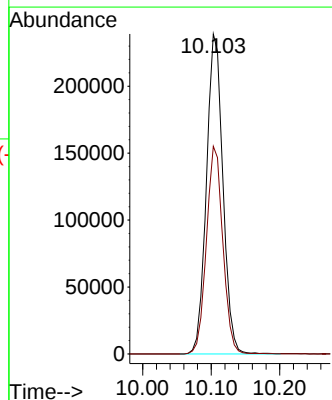
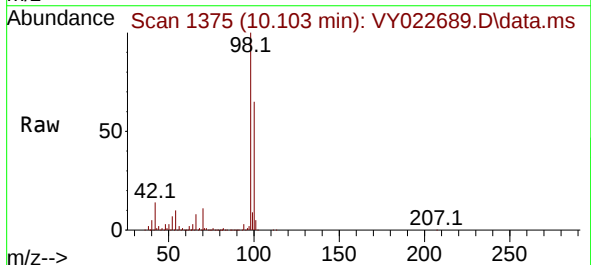
Instrument :
MSVOA_Y
ClientSampleId :
TP04-MH2MH3-VOC

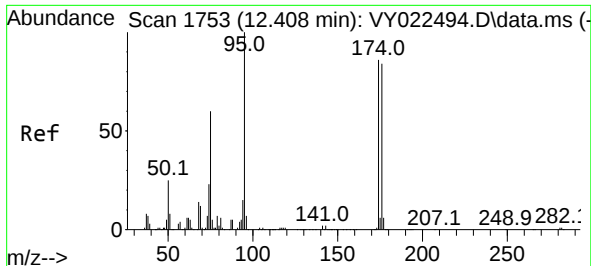
Tgt Ion:113 Resp: 99504
Ion Ratio Lower Upper
113 100
111 105.0 81.1 121.7
192 17.6 14.2 21.2



#50
Toluene-d8
Concen: 49.623 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022689.D
Acq: 13 Jun 2025 11:55

Tgt Ion: 98 Resp: 399261
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0

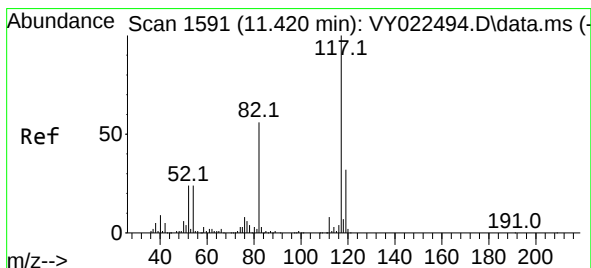
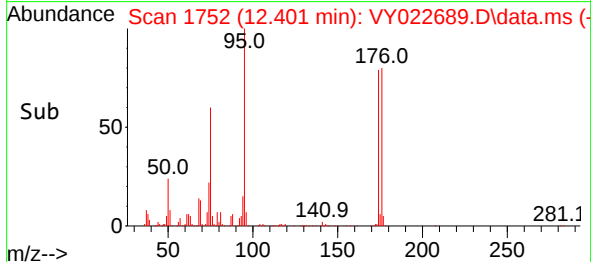
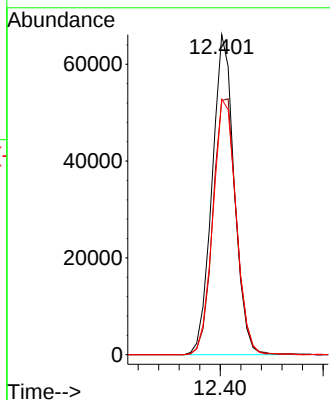
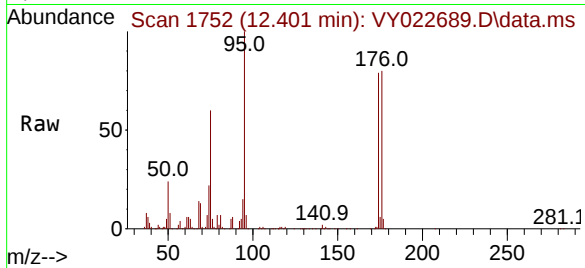




#62
4-Bromofluorobenzene
Concen: 41.164 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022689.D
Acq: 13 Jun 2025 11:55

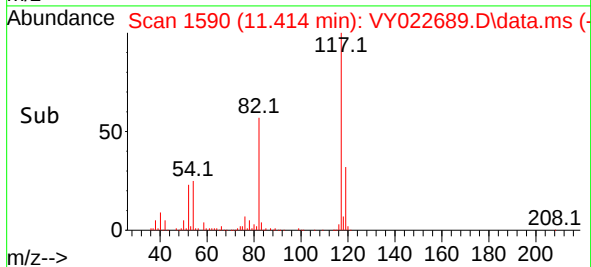
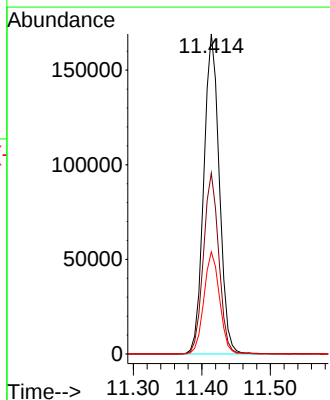
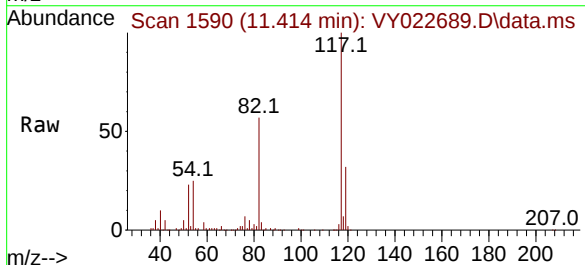
Instrument :
MSVOA_Y
ClientSampleId :
TP04-MH2MH3-VOC

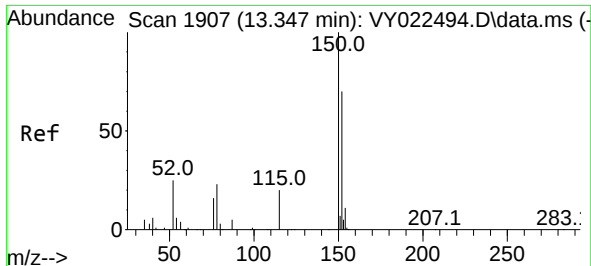
Tgt Ion: 95 Resp: 98682
Ion Ratio Lower Upper
95 100
174 84.4 0.0 170.0
176 83.7 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022689.D
Acq: 13 Jun 2025 11:55

Tgt Ion: 117 Resp: 267351
Ion Ratio Lower Upper
117 100
82 56.5 44.6 66.8
119 31.9 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: VY022689.D

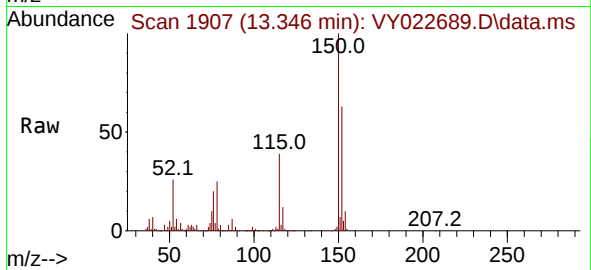
Acq: 13 Jun 2025 11:55

Instrument :

MSVOA_Y

ClientSampleId :

TP04-MH2MH3-VOC



Tgt Ion:152 Resp: 95264

Ion Ratio Lower Upper

152 100

115 58.5 28.9 86.7

150 158.7 0.0 349.6

