

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022849.D
 Acq On : 26 Jun 2025 14:54
 Operator : SY/MD
 Sample : Q2430-03
 Misc : 2.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-E/F-VOC

Quant Time: Jun 27 01:29:20 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)

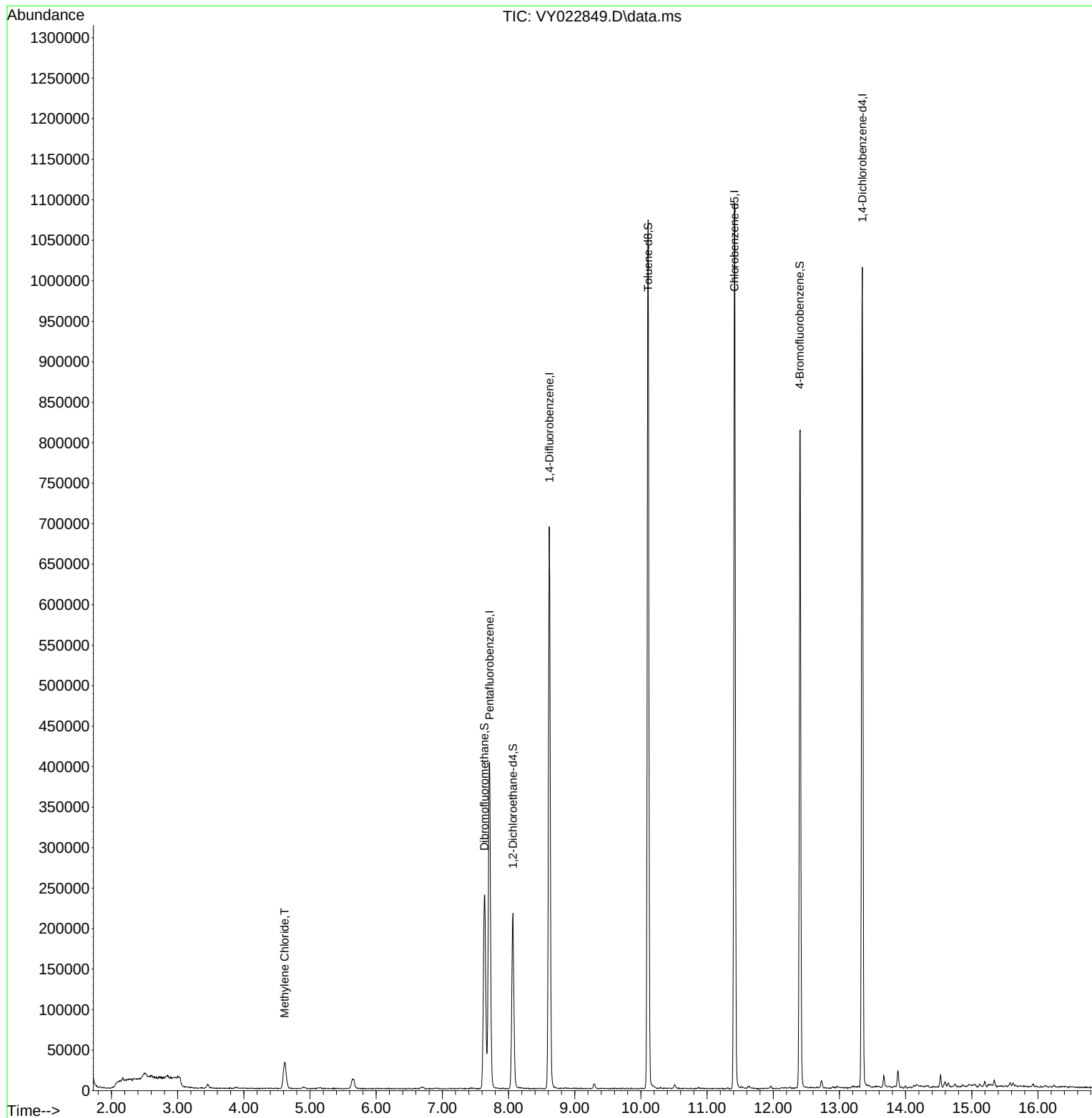
Internal Standards						
1) Pentafluorobenzene	7.713	168	315227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	575559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	246749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	165443	47.024	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.040%
35) Dibromofluoromethane	7.634	113	174296	49.795	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.580%
50) Toluene-d8	10.109	98	691255	49.768	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.540%
62) 4-Bromofluorobenzene	12.401	95	244412	54.739	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.480%
Target Compounds						
20) Methylene Chloride	4.616	84	25193	5.999	ug/l	Qvalue 90

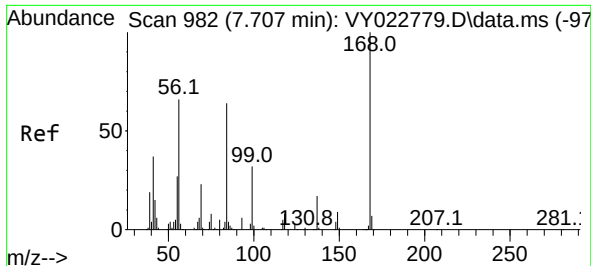
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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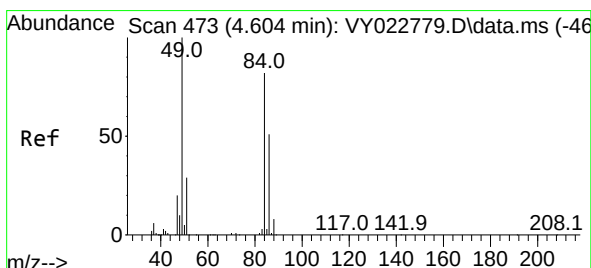
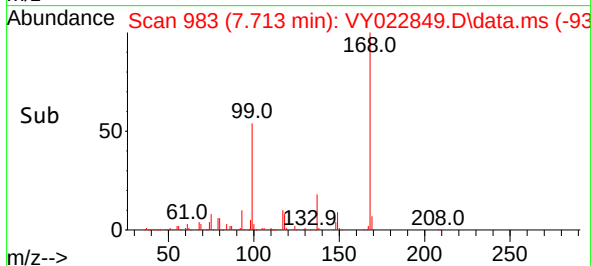
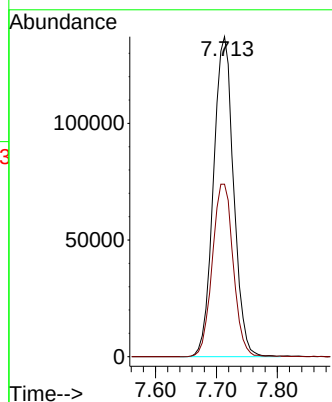
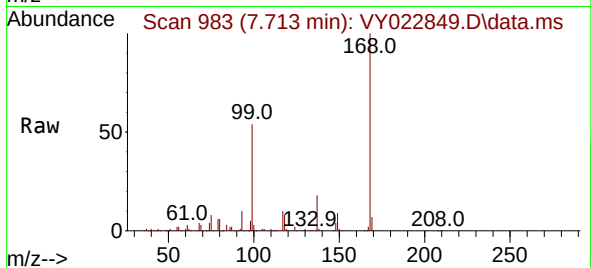




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022849.D
Acq: 26 Jun 2025 14:54

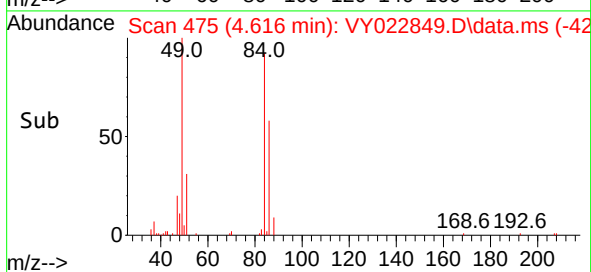
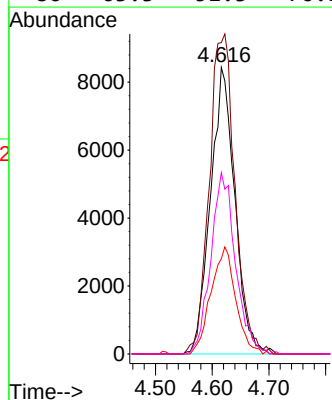
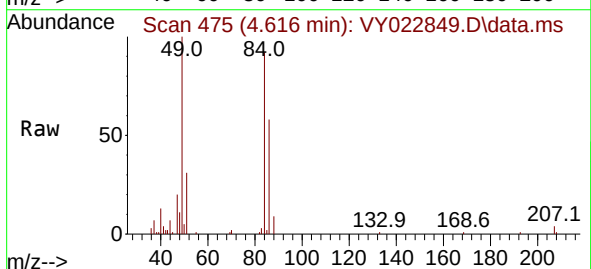
Instrument :
MSVOA_Y
ClientSampleId :
MH-E/F-VOC

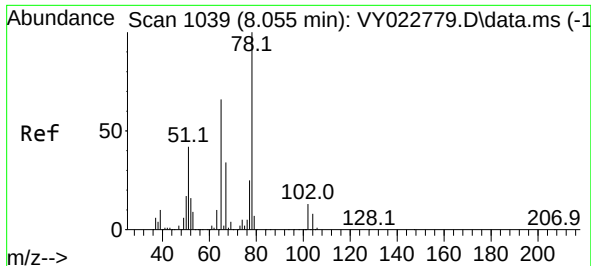
Tgt Ion:168 Resp: 315227
Ion Ratio Lower Upper
168 100
99 53.9 44.3 66.5



#20
Methylene Chloride
Concen: 5.999 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022849.D
Acq: 26 Jun 2025 14:54

Tgt Ion: 84 Resp: 25193
Ion Ratio Lower Upper
84 100
49 108.6 101.9 152.9
51 33.2 29.8 44.8
86 63.3 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 47.024 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY022849.D

Acq: 26 Jun 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

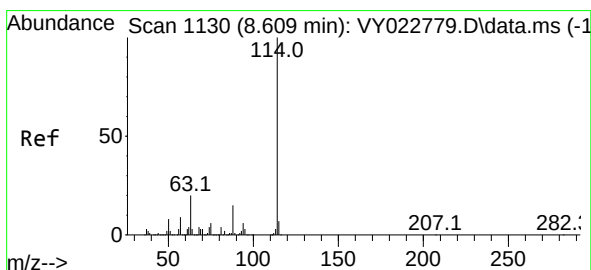
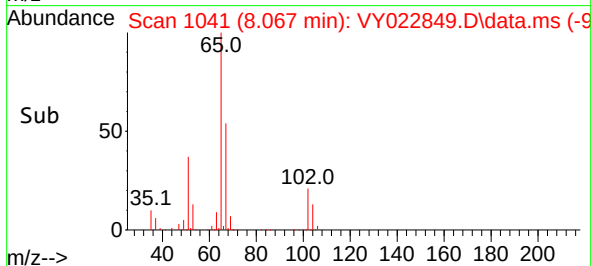
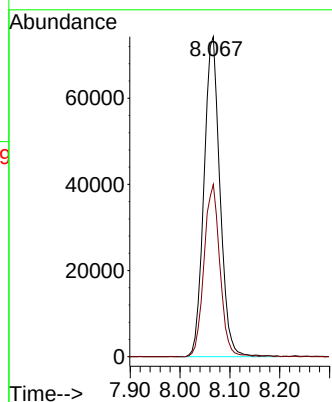
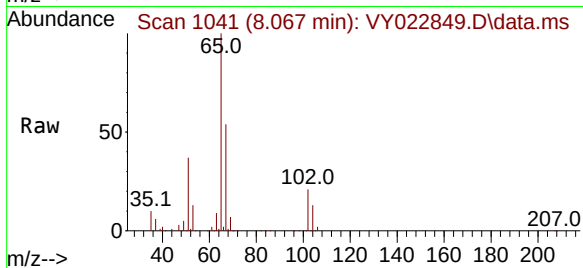
MH-E/F-VOC

Tgt Ion: 65 Resp: 165443

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022849.D

Acq: 26 Jun 2025 14:54

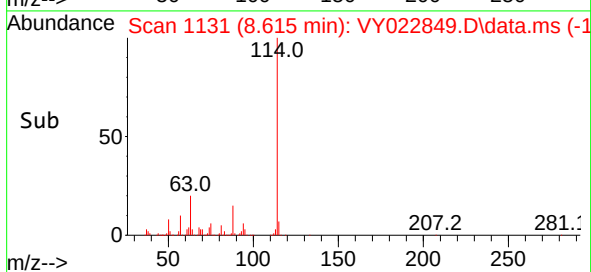
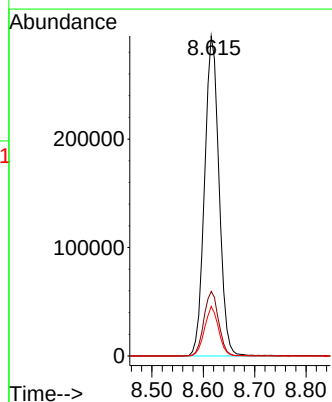
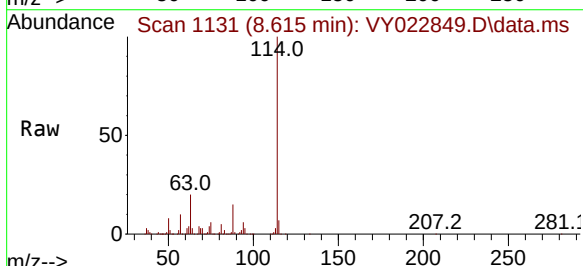
Tgt Ion: 114 Resp: 575559

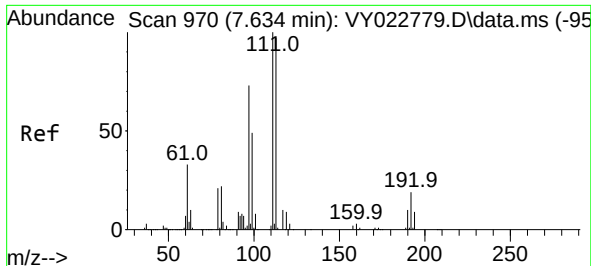
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.5 0.0 27.8

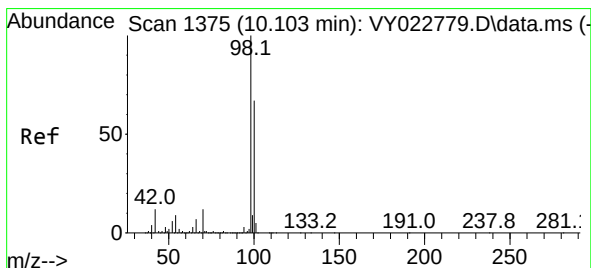
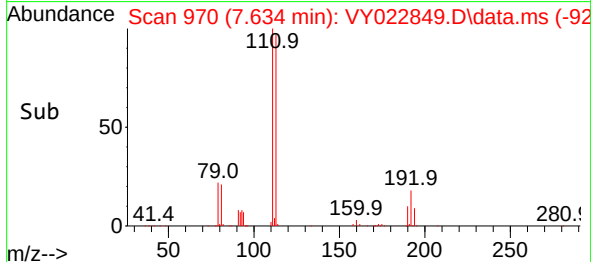
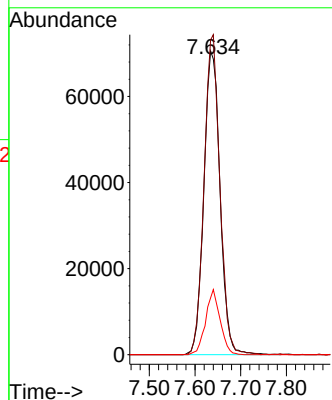
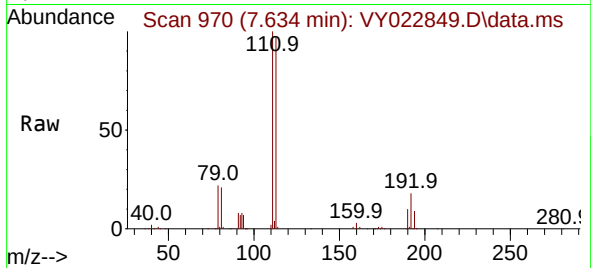




#35
Dibromofluoromethane
Concen: 49.795 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022849.D
Acq: 26 Jun 2025 14:54

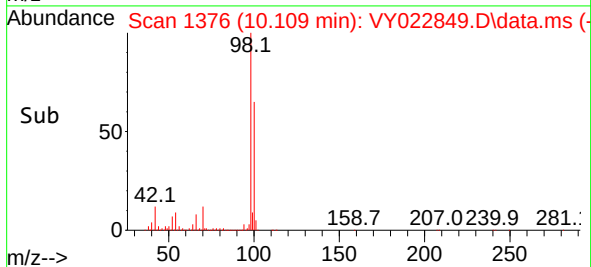
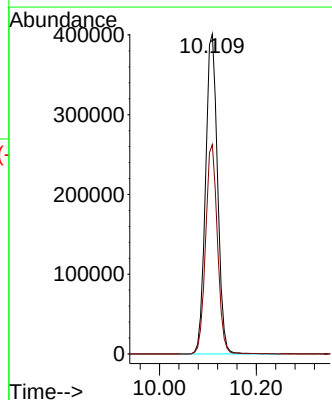
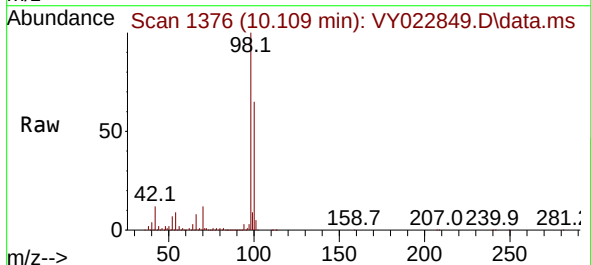
Instrument :
MSVOA_Y
ClientSampleId :
MH-E/F-VOC

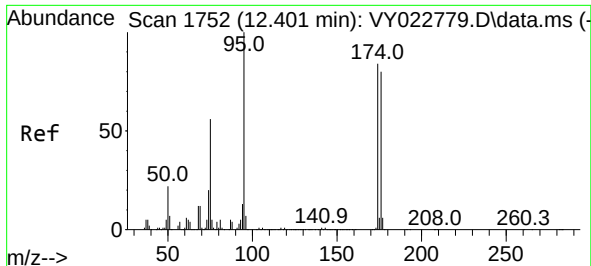
Tgt Ion:113 Resp: 174296
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 19.1 14.2 21.2



#50
Toluene-d8
Concen: 49.768 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022849.D
Acq: 26 Jun 2025 14:54

Tgt Ion: 98 Resp: 691255
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0

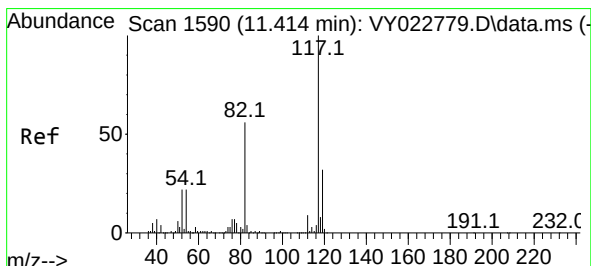
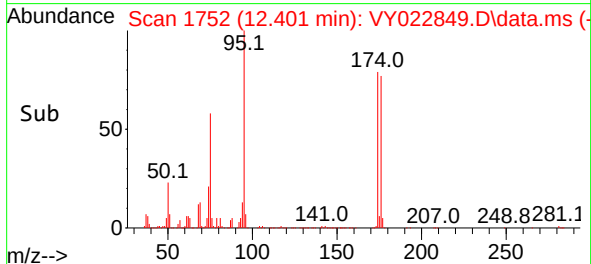
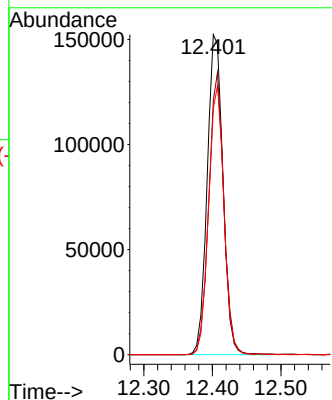
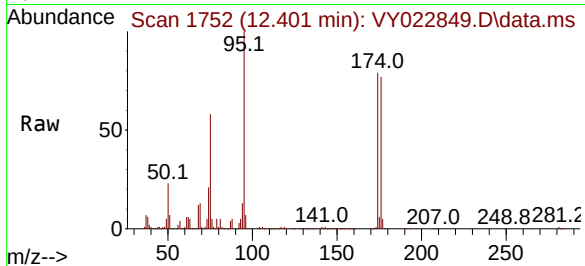




#62
4-Bromofluorobenzene
Concen: 54.739 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022849.D
Acq: 26 Jun 2025 14:54

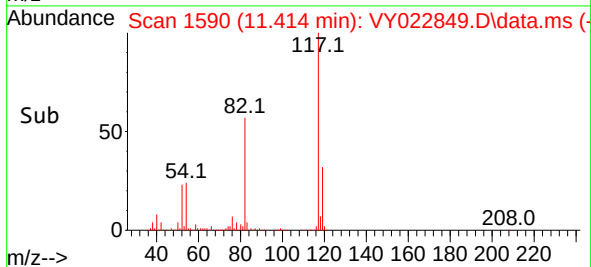
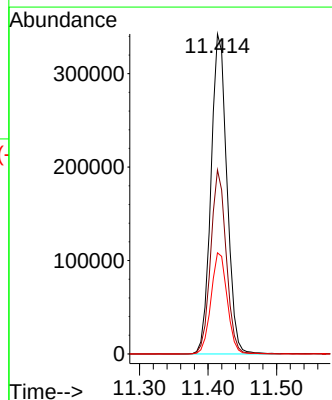
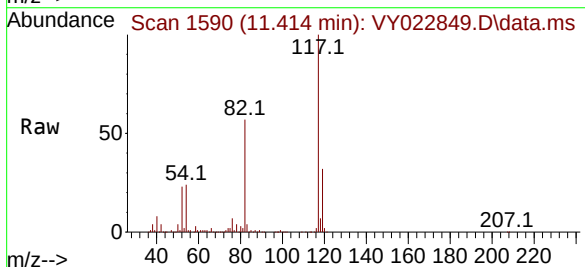
Instrument :
MSVOA_Y
ClientSampleId :
MH-E/F-VOC

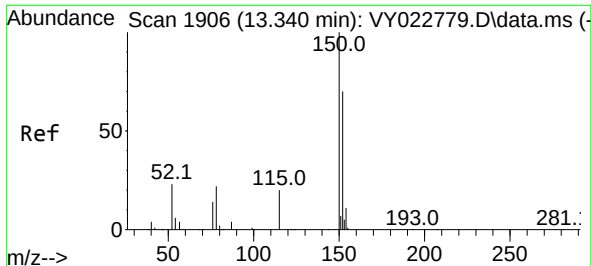
Tgt Ion: 95 Resp: 244412
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.0
176 81.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022849.D
Acq: 26 Jun 2025 14:54

Tgt Ion: 117 Resp: 553403
Ion Ratio Lower Upper
117 100
82 57.5 44.6 66.8
119 31.6 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: VY022849.D

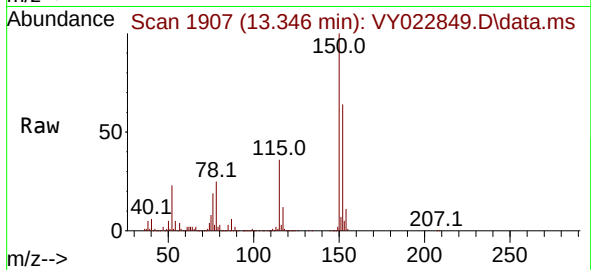
Acq: 26 Jun 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

MH-E/F-VOC



Tgt Ion:152 Resp: 246749

Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 157.8 0.0 349.6

