

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022972.D
 Acq On : 08 Jul 2025 13:43
 Operator : SY/MD
 Sample : Q2507-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-7.3-2025-VOC

Quant Time: Jul 08 14:22:46 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)

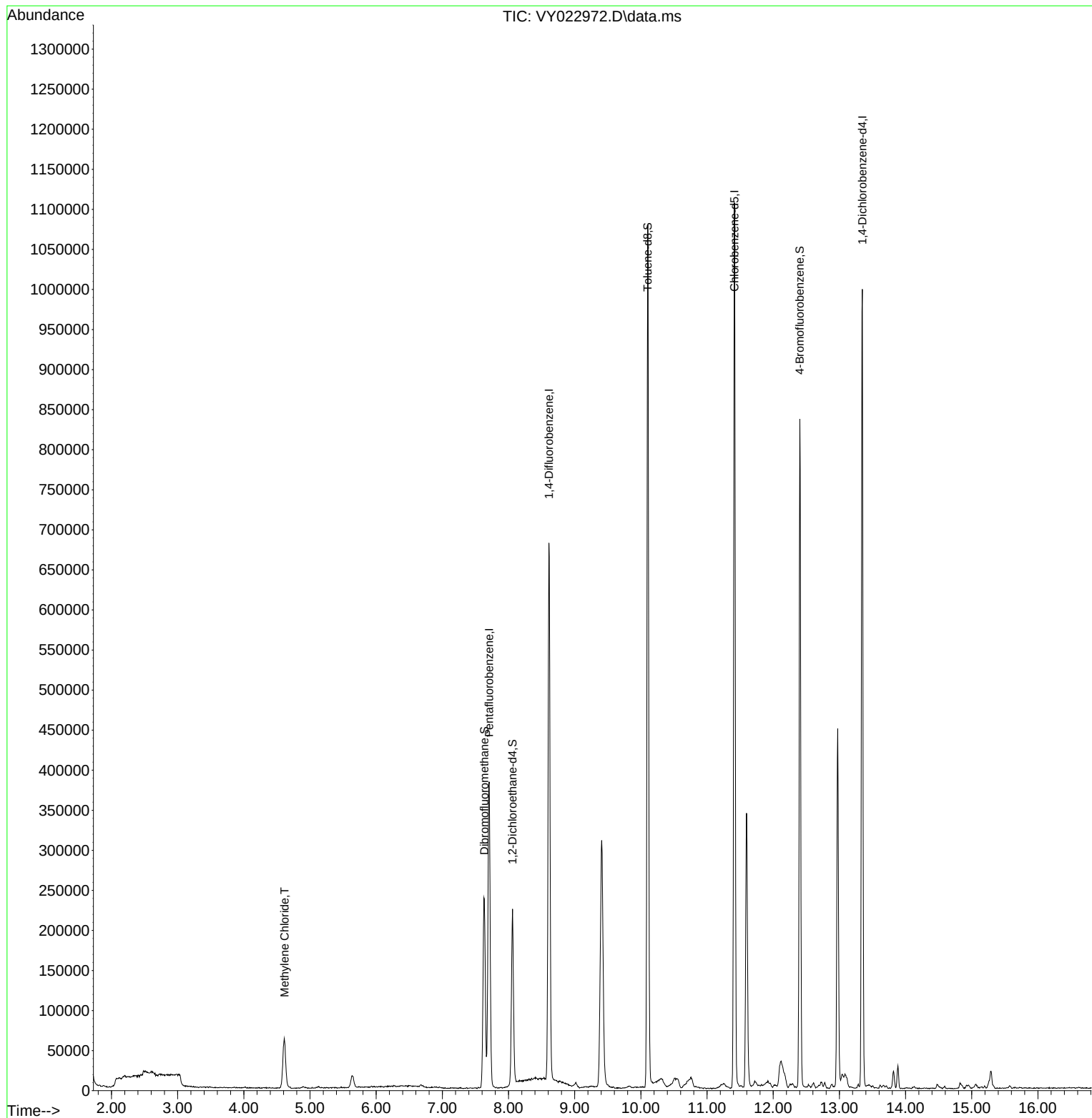
Internal Standards						
1) Pentafluorobenzene	7.707	168	294497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	559537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	550220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	238987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	164136	49.937	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.880%
35) Dibromofluoromethane	7.634	113	171334	50.350	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.700%
50) Toluene-d8	10.103	98	686438	50.836	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.680%
62) 4-Bromofluorobenzene	12.401	95	244261	56.271	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	112.540%
Target Compounds						
20) Methylene Chloride	4.616	84	43372	11.055	ug/l	Qvalue 97

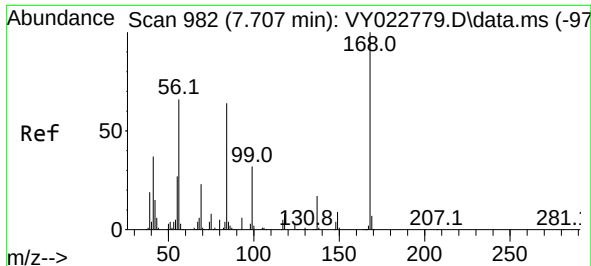
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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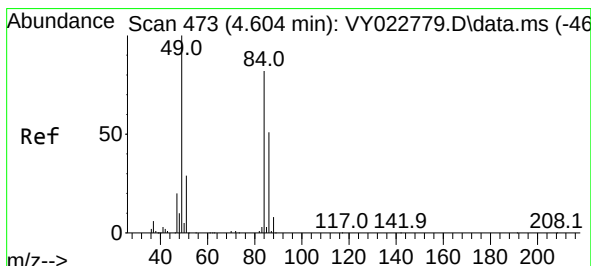
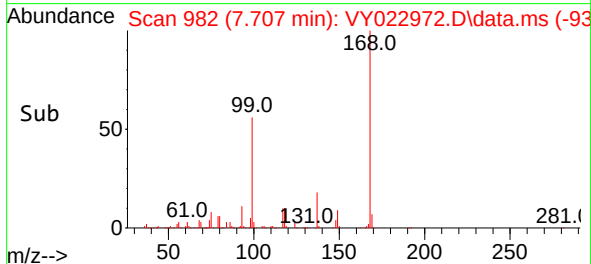
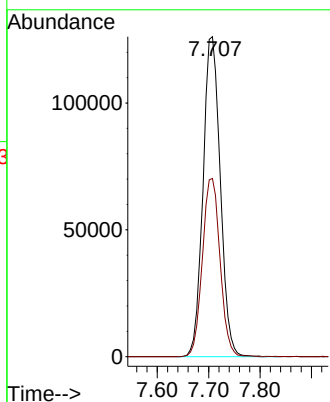
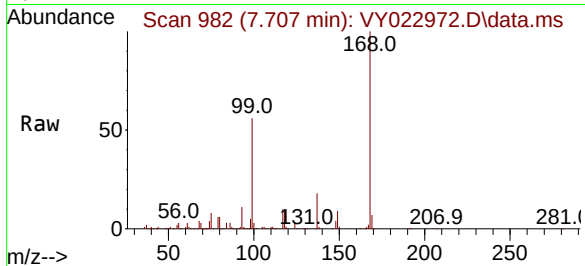




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022972.D
Acq: 08 Jul 2025 13:43

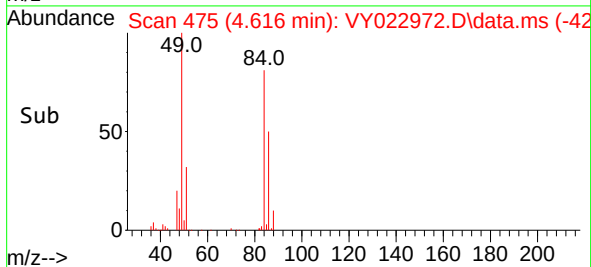
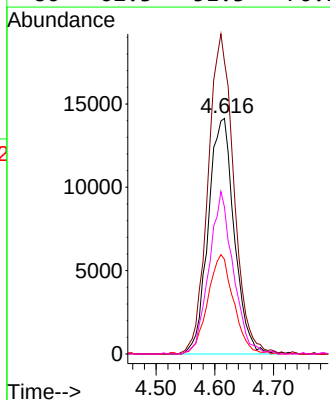
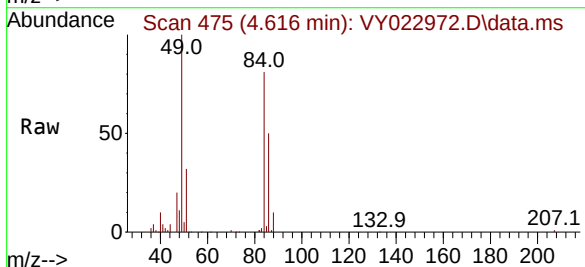
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-7.3-2025-VOC

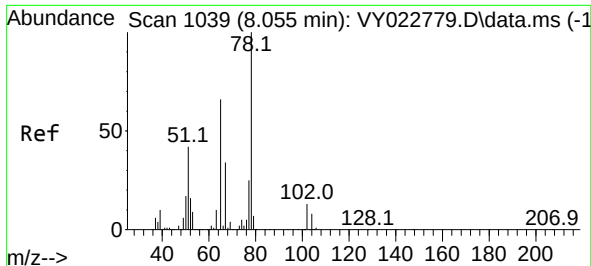
Tgt Ion:168 Resp: 294497
Ion Ratio Lower Upper
168 100
99 55.7 44.3 66.5



#20
Methylene Chloride
Concen: 11.055 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022972.D
Acq: 08 Jul 2025 13:43

Tgt Ion: 84 Resp: 43372
Ion Ratio Lower Upper
84 100
49 124.1 101.9 152.9
51 40.1 29.8 44.8
86 62.3 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 49.937 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022972.D

Acq: 08 Jul 2025 13:43

Instrument :

MSVOA_Y

ClientSampleId :

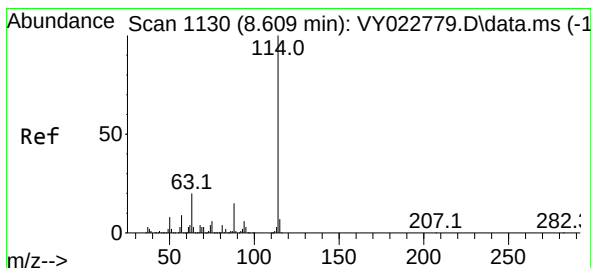
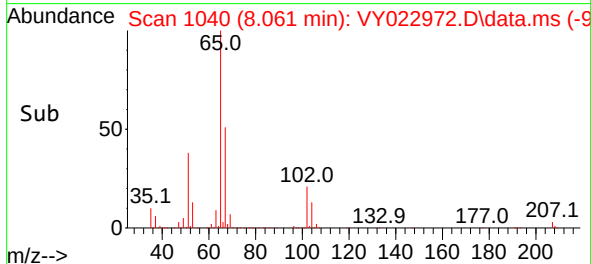
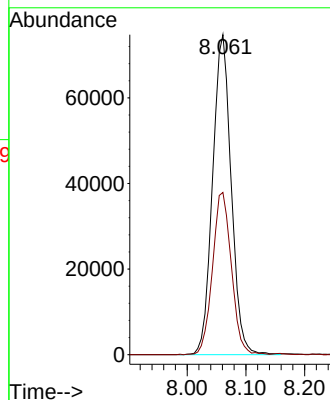
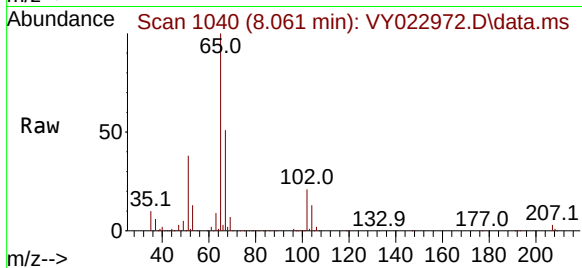
SU-04-7.3-2025-VOC

Tgt Ion: 65 Resp: 164136

Ion Ratio Lower Upper

65 100

67 51.5 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: VY022972.D

Acq: 08 Jul 2025 13:43

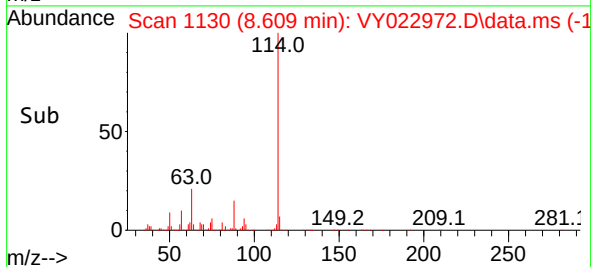
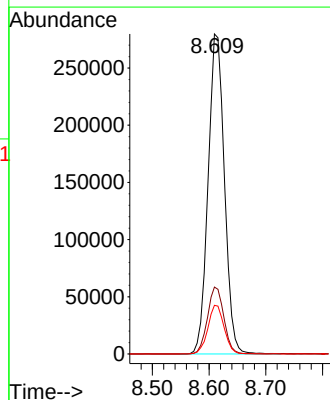
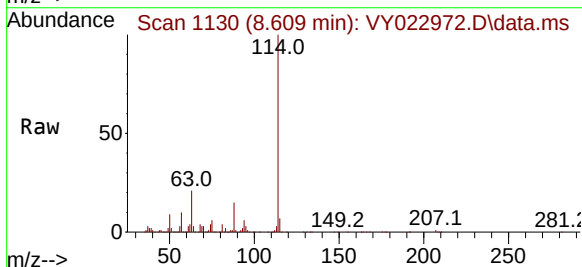
Tgt Ion: 114 Resp: 559537

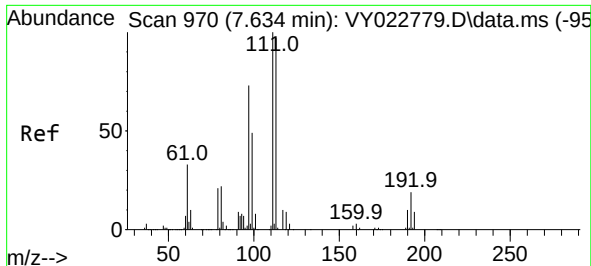
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 15.2 0.0 27.8

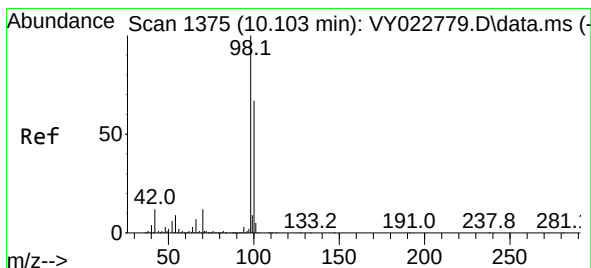
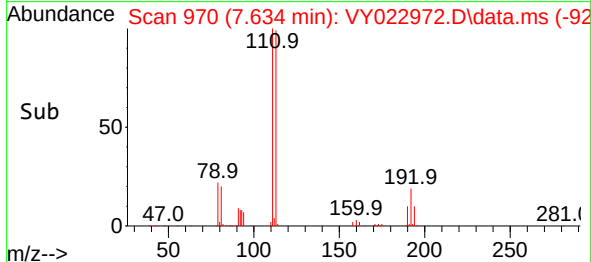
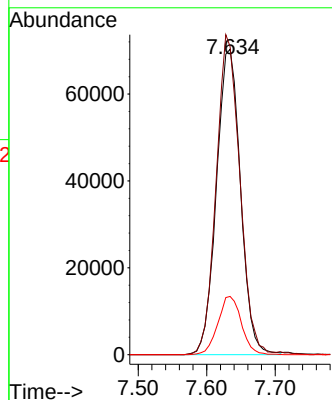
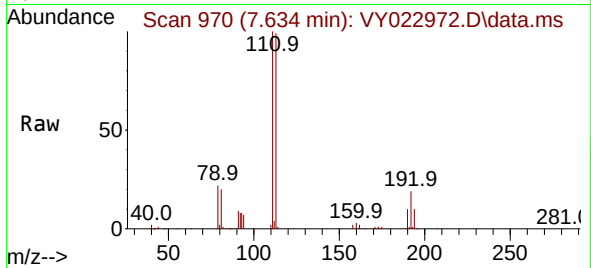




#35
Dibromofluoromethane
Concen: 50.350 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022972.D
Acq: 08 Jul 2025 13:43

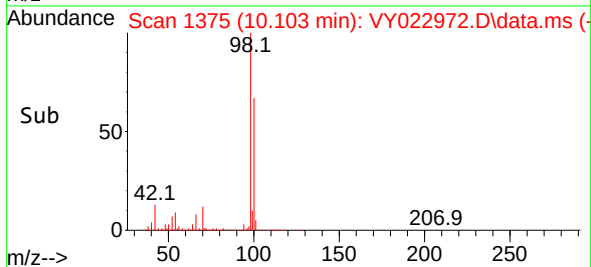
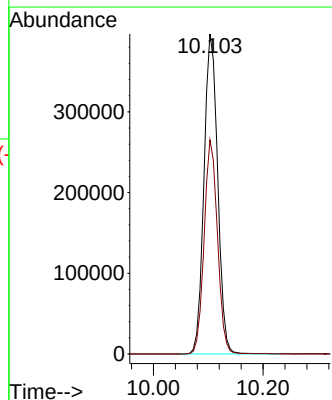
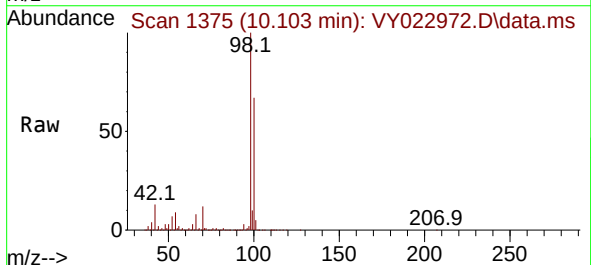
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-7.3-2025-VOC

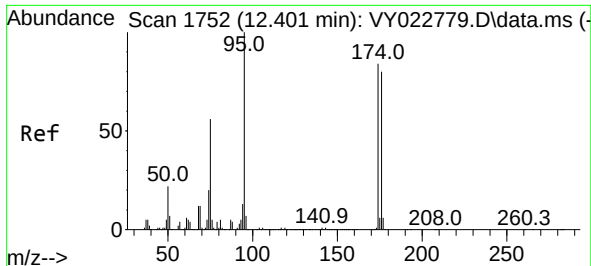
Tgt Ion:113 Resp: 171334
Ion Ratio Lower Upper
113 100
111 103.3 81.1 121.7
192 18.6 14.2 21.2



#50
Toluene-d8
Concen: 50.836 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022972.D
Acq: 08 Jul 2025 13:43

Tgt Ion: 98 Resp: 686438
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 56.271 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022972.D

Acq: 08 Jul 2025 13:43

Instrument :

MSVOA_Y

ClientSampleId :

SU-04-7.3-2025-VOC

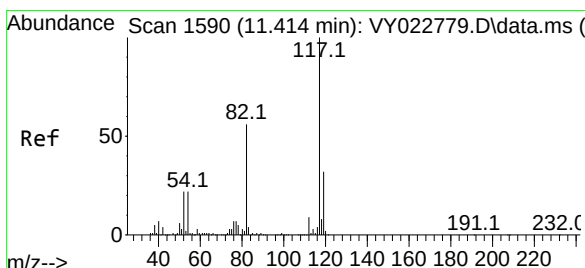
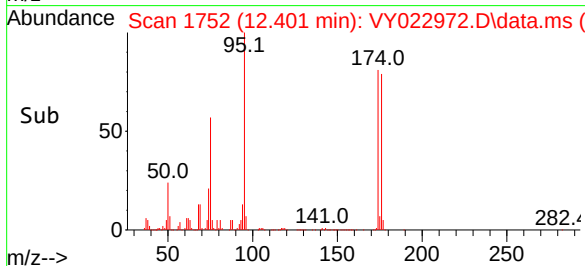
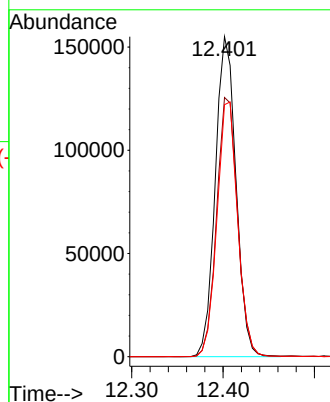
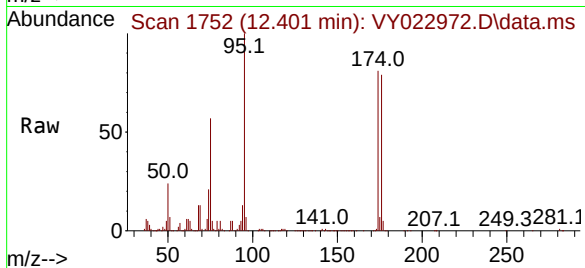
Tgt Ion: 95 Resp: 244261

Ion Ratio Lower Upper

95 100

174 81.8 0.0 170.0

176 79.6 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: VY022972.D

Acq: 08 Jul 2025 13:43

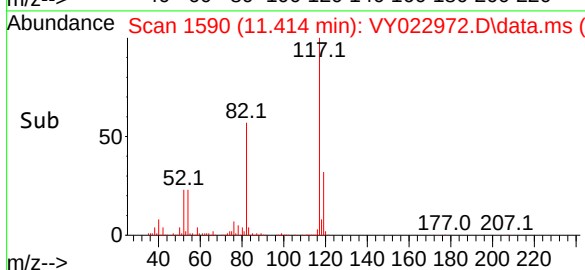
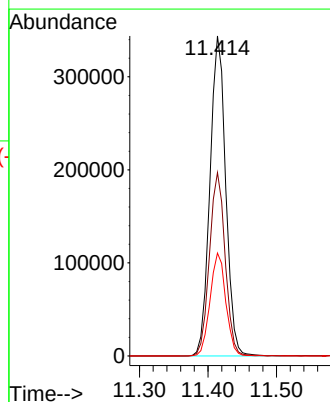
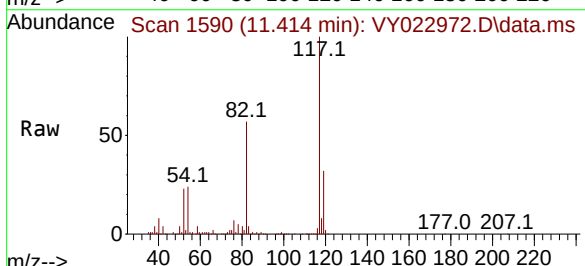
Tgt Ion: 117 Resp: 550220

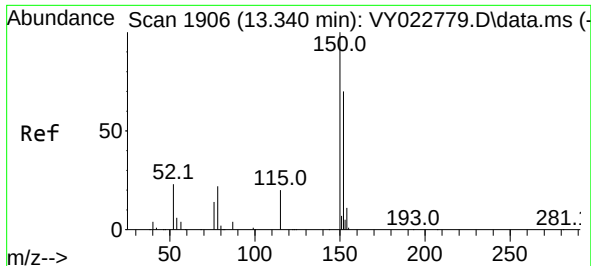
Ion Ratio Lower Upper

117 100

82 57.3 44.6 66.8

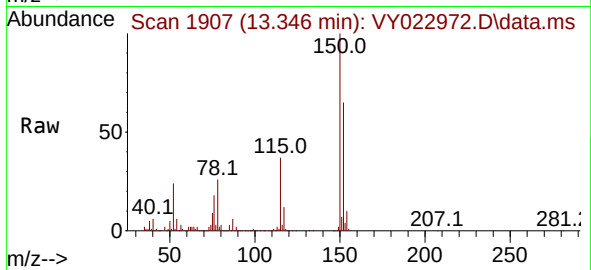
119 32.1 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022972.D
 Acq: 08 Jul 2025 13:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-7.3-2025-VOC



Tgt Ion:152 Resp: 238987

Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.9	86.7
150	157.4	0.0	349.6

