

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022889.D
 Acq On : 30 Jun 2025 18:46
 Operator : SY/MD
 Sample : Q2458-03
 Misc : 5.66g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-68

Quant Time: Jul 01 03:42:47 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)

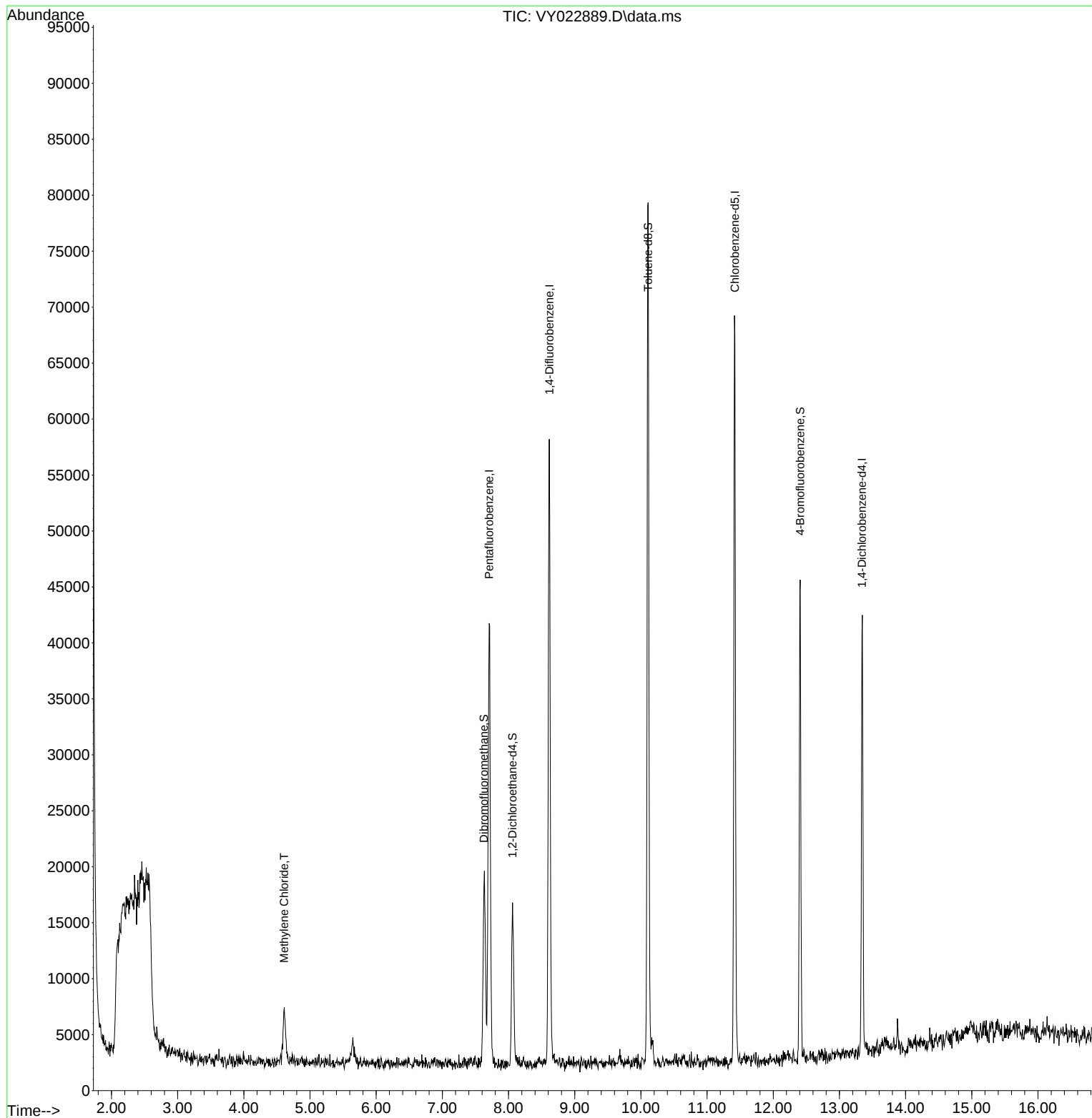
Internal Standards						
1) Pentafluorobenzene	7.707	168	30558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	46940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	36176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	9691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	11601	34.015	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	68.020%
35) Dibromofluoromethane	7.628	113	11878	41.609	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.220%
50) Toluene-d8	10.109	98	52350	46.214	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.420%
62) 4-Bromofluorobenzene	12.408	95	13026	35.771	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.540%
Target Compounds						
20) Methylene Chloride	4.610	84	3298	8.101	ug/l	Qvalue # 83

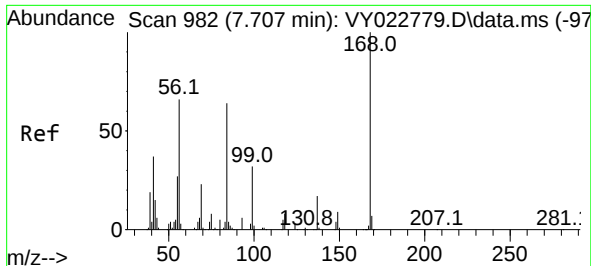
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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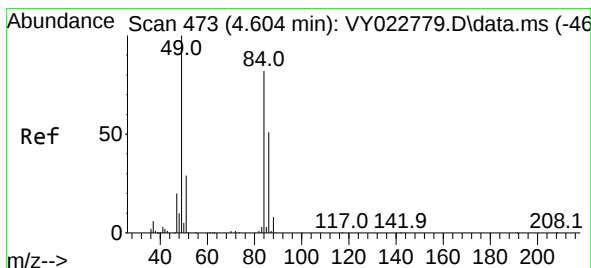
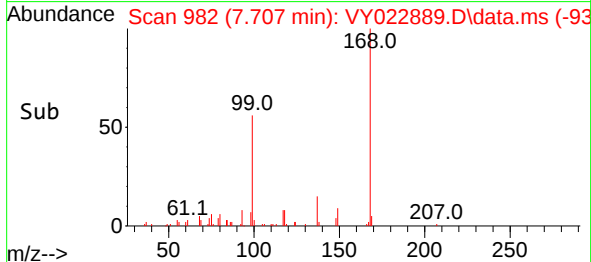
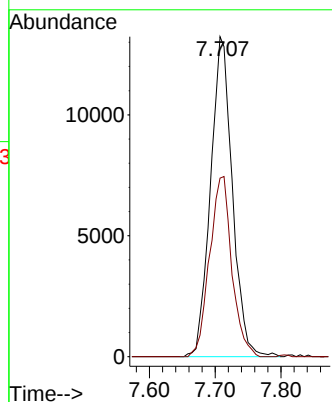
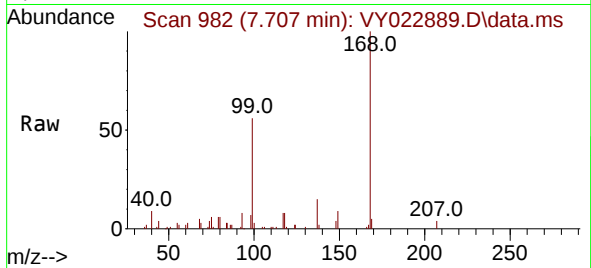




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022889.D
Acq: 30 Jun 2025 18:46

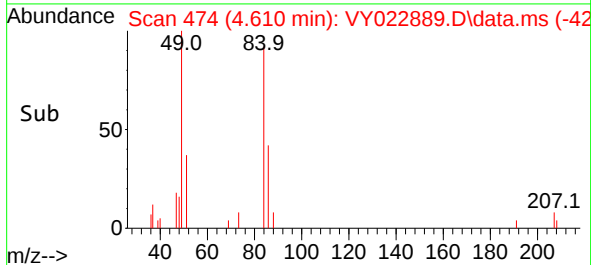
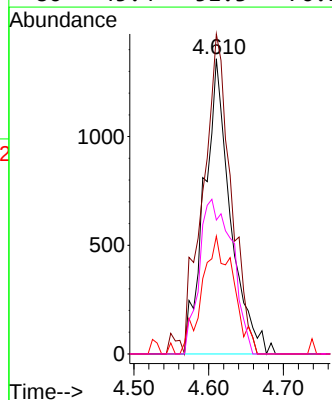
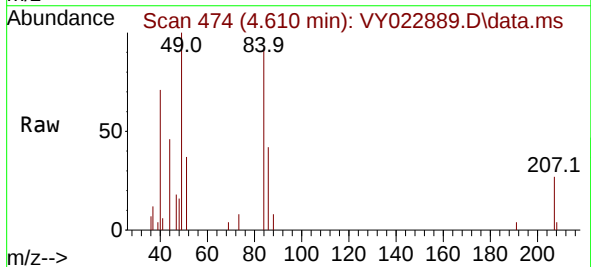
Instrument :
MSVOA_Y
ClientSampleId :
TP-68

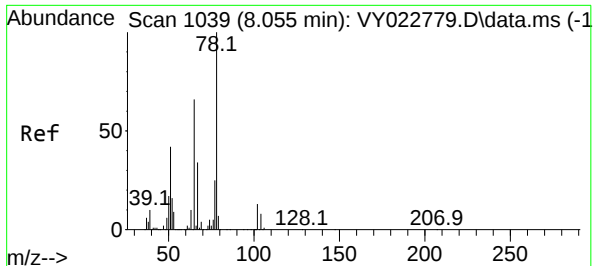
Tgt Ion:168 Resp: 30558
Ion Ratio Lower Upper
168 100
99 55.8 44.3 66.5



#20
Methylene Chloride
Concen: 8.101 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022889.D
Acq: 30 Jun 2025 18:46

Tgt Ion: 84 Resp: 3298
Ion Ratio Lower Upper
84 100
49 108.4 101.9 152.9
51 39.9 29.8 44.8
86 45.4 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 34.015 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022889.D

Acq: 30 Jun 2025 18:46

Instrument :

MSVOA_Y

ClientSampleId :

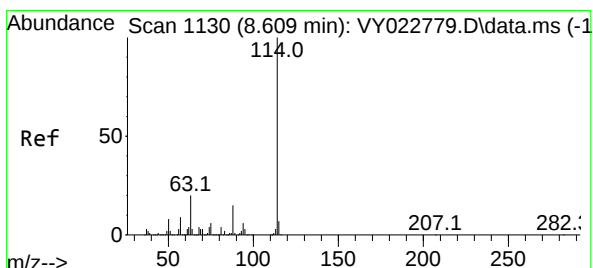
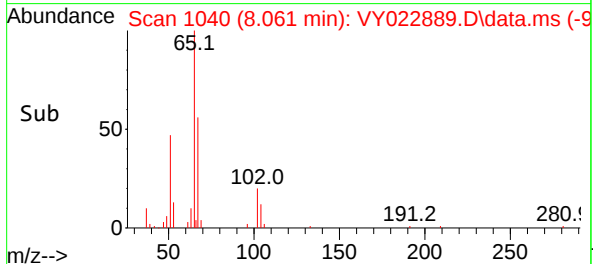
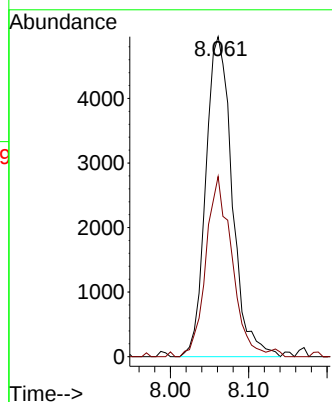
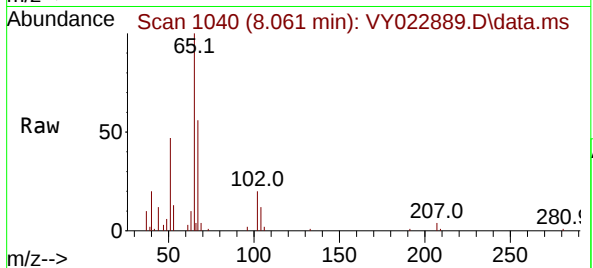
TP-68

Tgt Ion: 65 Resp: 11601

Ion Ratio Lower Upper

65 100

67 55.3 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: VY022889.D

Acq: 30 Jun 2025 18:46

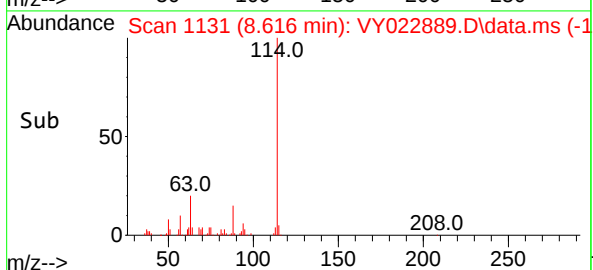
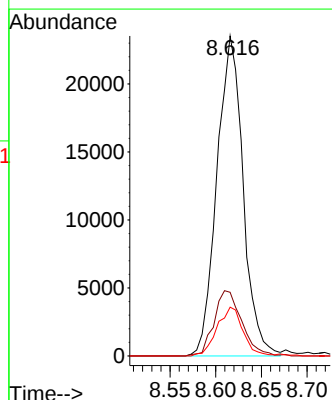
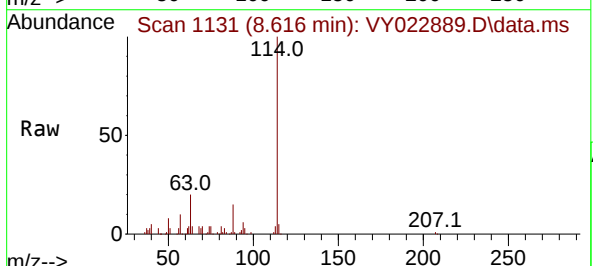
Tgt Ion:114 Resp: 46940

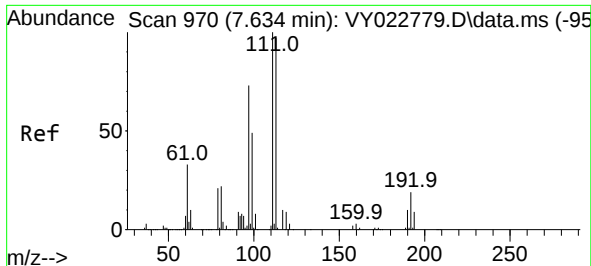
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 15.2 0.0 27.8





#35

Dibromofluoromethane

Concen: 41.609 ug/l

RT: 7.628 min Scan# 9

Delta R.T. -0.012 min

Lab File: VY022889.D

Acq: 30 Jun 2025 18:46

Instrument :

MSVOA_Y

ClientSampleId :

TP-68

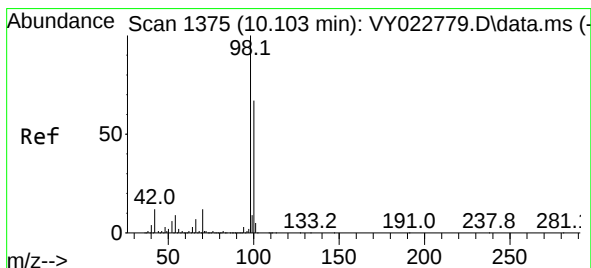
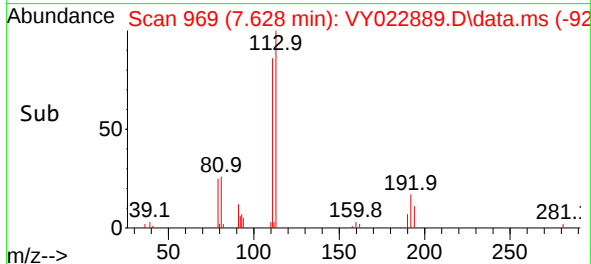
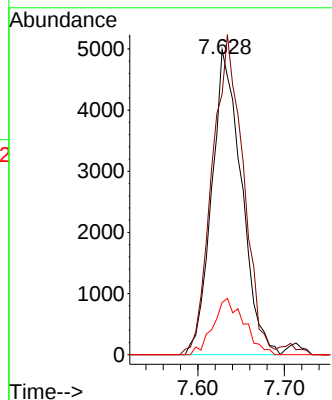
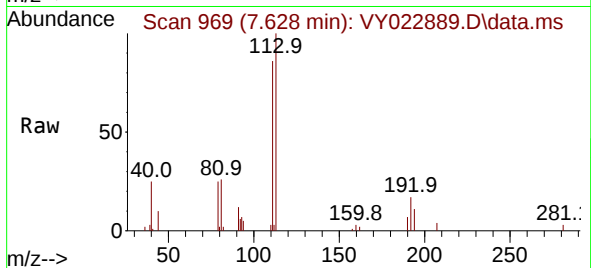
Tgt Ion:113 Resp: 11878

Ion Ratio Lower Upper

113 100

111 109.8 81.1 121.7

192 19.3 14.2 21.2



#50

Toluene-d8

Concen: 46.214 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022889.D

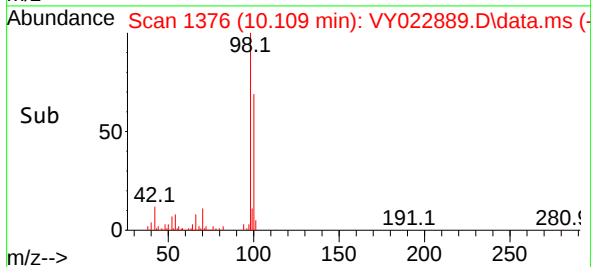
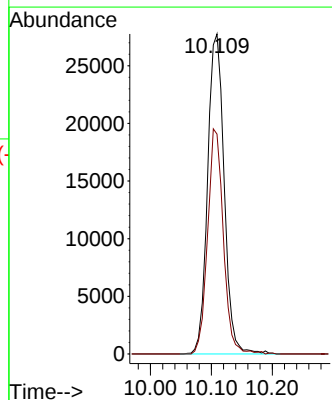
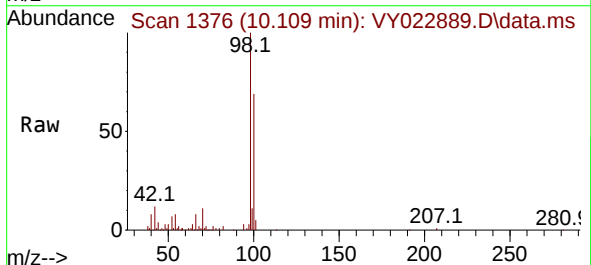
Acq: 30 Jun 2025 18:46

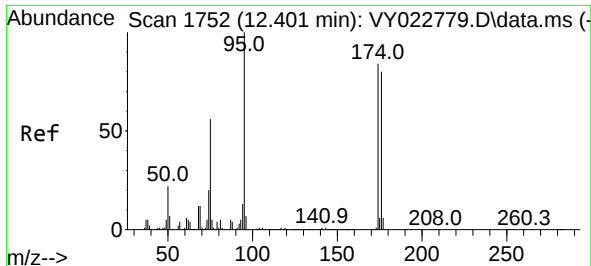
Tgt Ion: 98 Resp: 52350

Ion Ratio Lower Upper

98 100

100 67.0 51.4 77.0

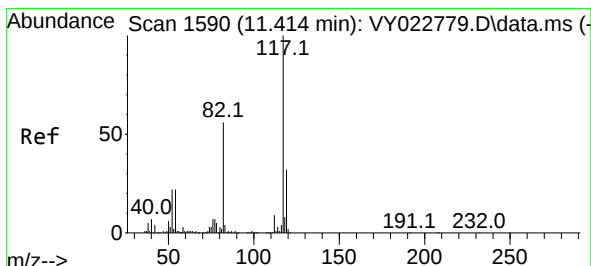
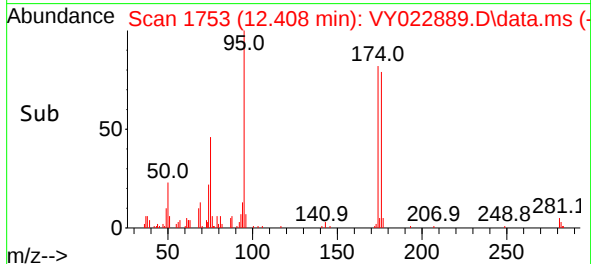
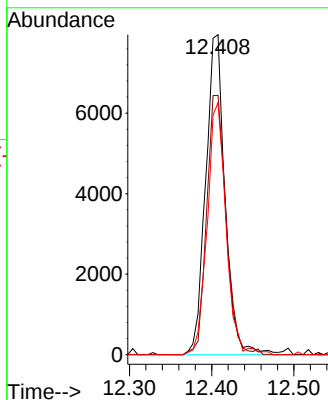
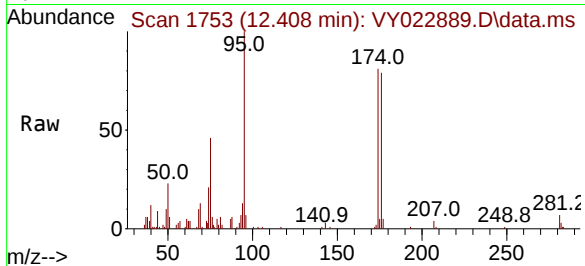




#62
4-Bromofluorobenzene
Concen: 35.771 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022889.D
Acq: 30 Jun 2025 18:46

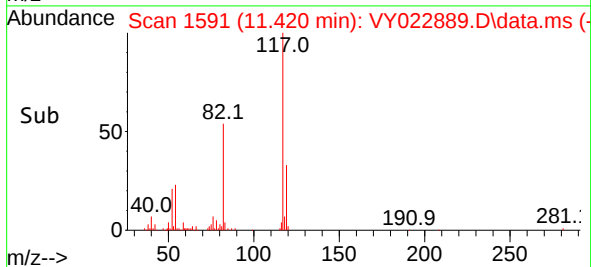
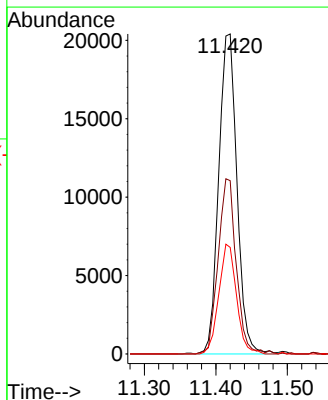
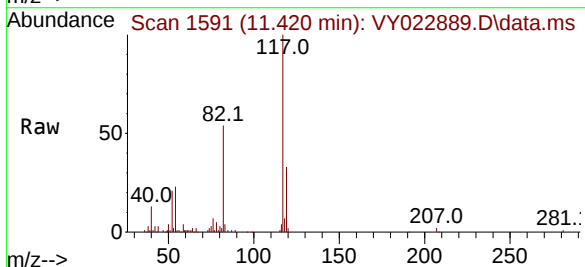
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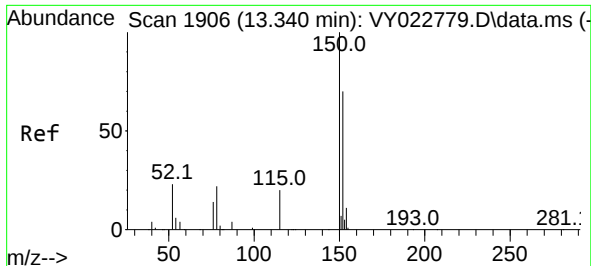
Tgt Ion:	95	Resp:	13026
Ion Ratio	Lower	Upper	
95	100		
174	81.4	0.0	170.0
176	76.7	0.0	166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022889.D
Acq: 30 Jun 2025 18:46

Tgt Ion:	117	Resp:	36176
Ion Ratio	Lower	Upper	
117	100		
82	54.2	44.6	66.8
119	33.3	25.4	38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY022889.D
 Acq: 30 Jun 2025 18:46

Instrument :
 MSVOA_Y
 ClientSampleId :
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Tgt Ion:	152	Resp:	9691
Ion	Ratio	Lower	Upper
152	100		
115	59.0	28.9	86.7
150	146.7	0.0	349.6

