

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
 Data File : VY020952.D
 Acq On : 27 Jan 2025 16:49
 Operator : SY/MD
 Sample : Q1187-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-COMP

Quant Time: Jan 28 01:15:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:12:18 2025
 Response via : Initial Calibration

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

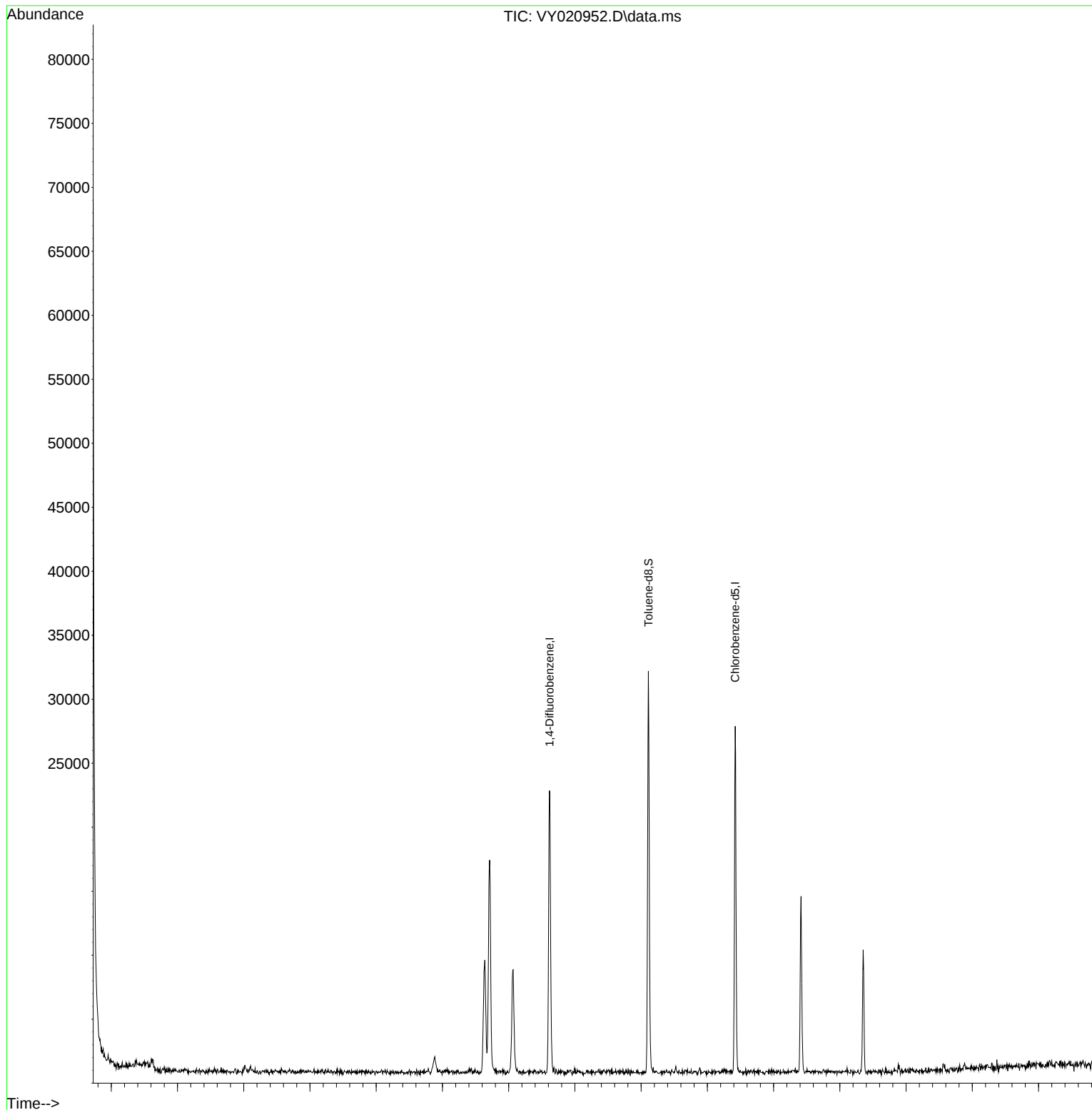
Internal Standards						
1) Pentafluorobenzene	7.713	168	14598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	21229	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	14886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	2646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	7050	60.572	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.140%
35) Dibromofluoromethane	7.628	113	7142	58.602	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.200%
50) Toluene-d8	10.109	98	22014	46.569	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.140%
62) 4-Bromofluorobenzene	12.414	95	4224	26.849	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	53.700%
Target Compounds						
5) Bromomethane	2.611	94	395	6.516	ug/l	96
10) Methyl Iodide	4.019	142	776	5.189	ug/l #	81

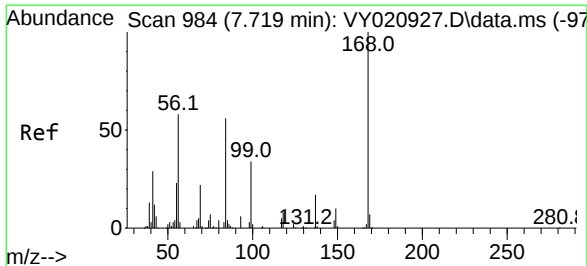
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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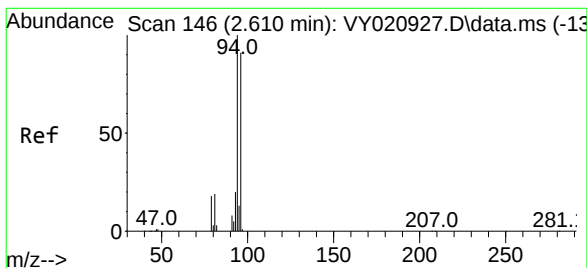
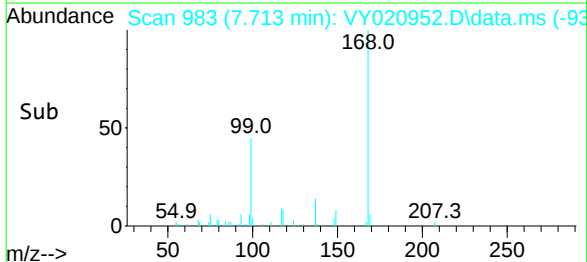
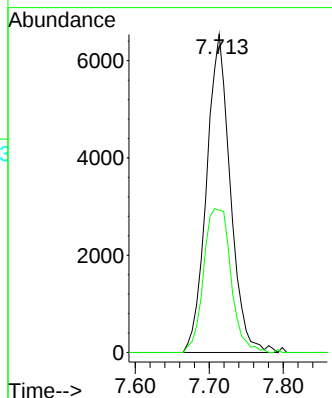
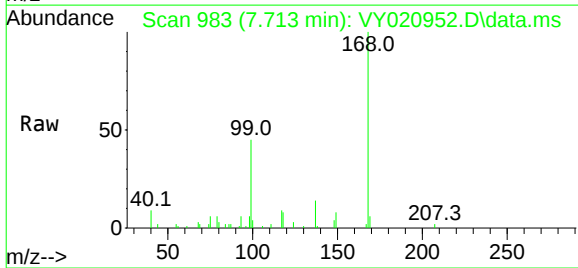




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020952.D
Acq: 27 Jan 2025 16:49

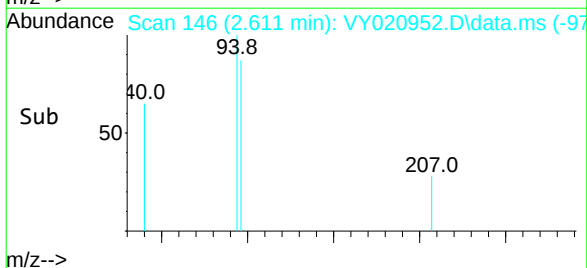
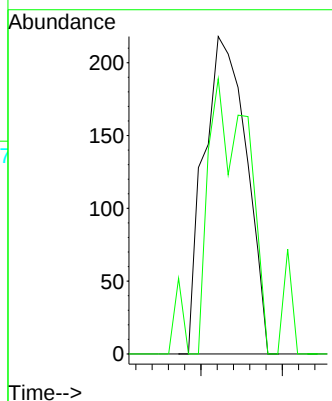
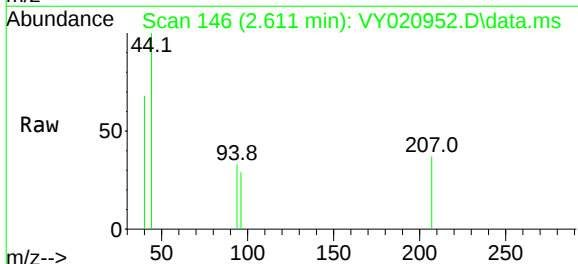
Instrument :
MSVOA_Y
ClientSampleId :
SP-COMP

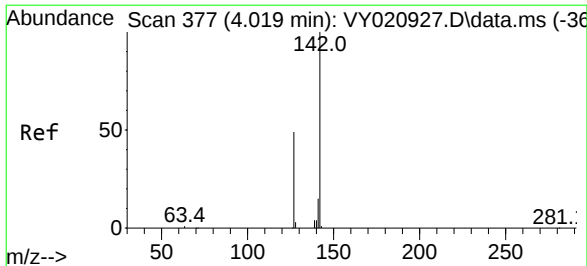
Tgt Ion:168 Resp: 14598
Ion Ratio Lower Upper
168 100
99 44.8 43.0 64.6



#5
Bromomethane
Concen: 6.516 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.000 min
Lab File: VY020952.D
Acq: 27 Jan 2025 16:49

Tgt Ion: 94 Resp: 395
Ion Ratio Lower Upper
94 100
96 86.7 72.6 109.0





#10

Methyl Iodide

Concen: 5.189 ug/l

RT: 4.019 min Scan# 37

Delta R.T. 0.000 min

Lab File: VY020952.D

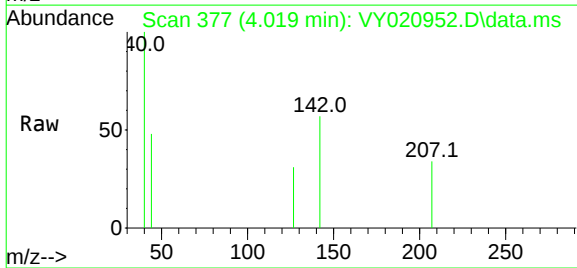
Acq: 27 Jan 2025 16:49

Instrument :

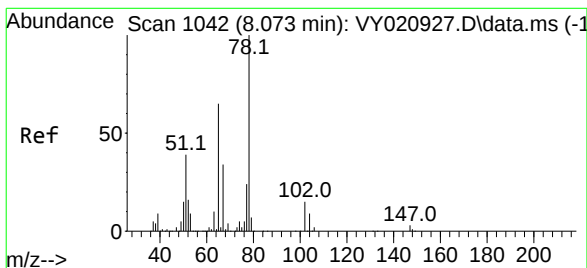
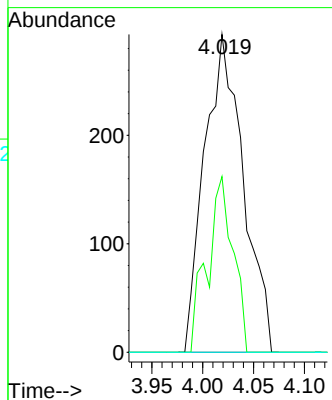
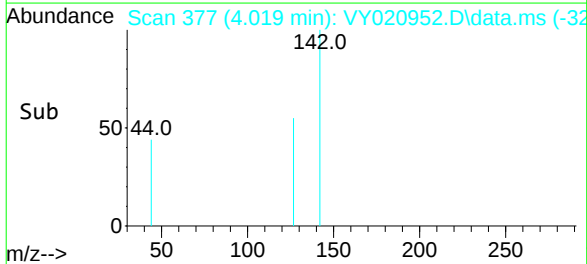
MSVOA_Y

ClientSampleId :

SP-COMP



Tgt Ion:	142	Resp:	776
Ion	Ratio	Lower	Upper
142	100		
127	37.0	37.3	55.9#
141	0.0	11.4	17.2#



#33

1,2-Dichloroethane-d4

Concen: 60.572 ug/l

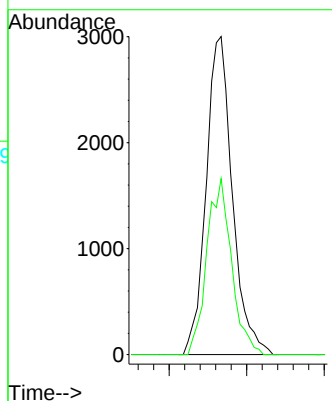
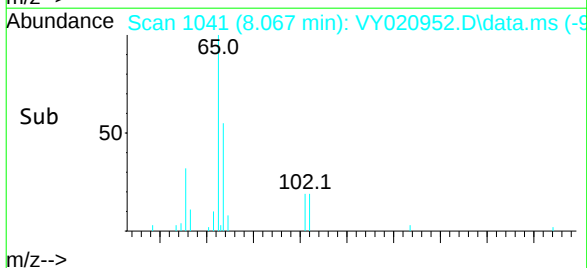
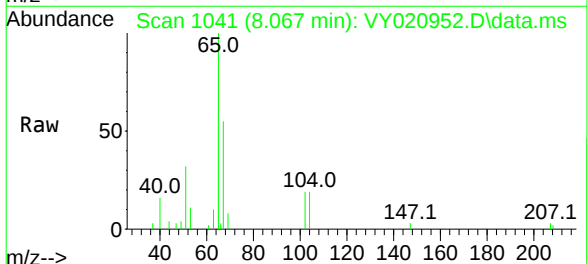
RT: 8.067 min Scan# 1041

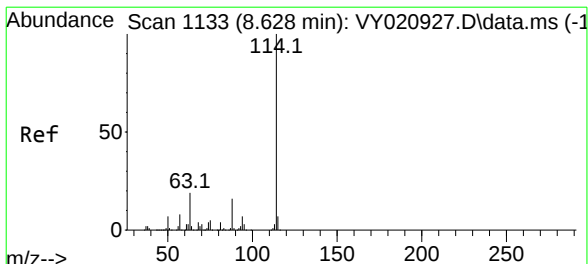
Delta R.T. -0.006 min

Lab File: VY020952.D

Acq: 27 Jan 2025 16:49

Tgt Ion:	65	Resp:	7050
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	105.8

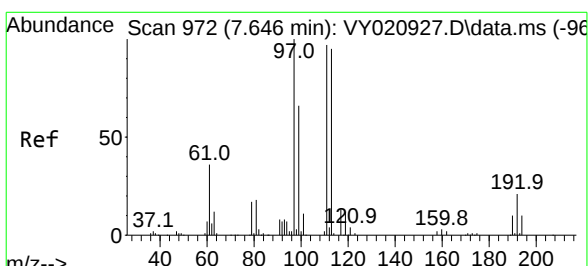
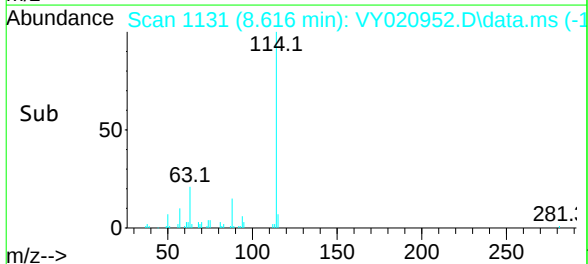
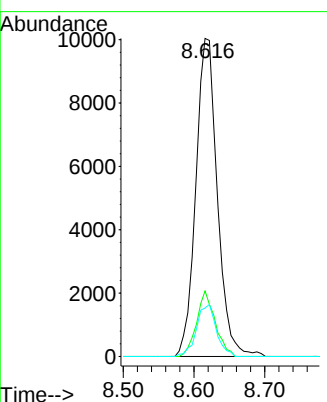
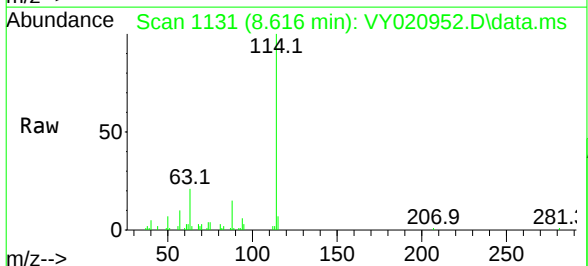




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: VY020952.D
 Acq: 27 Jan 2025 16:49

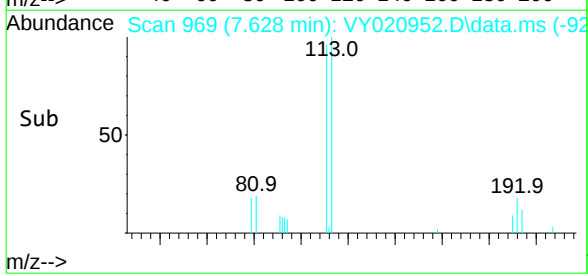
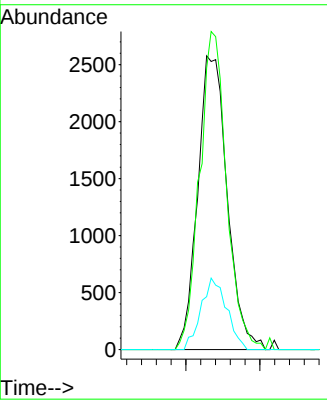
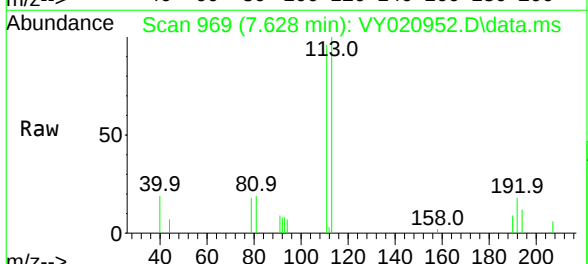
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-COMP

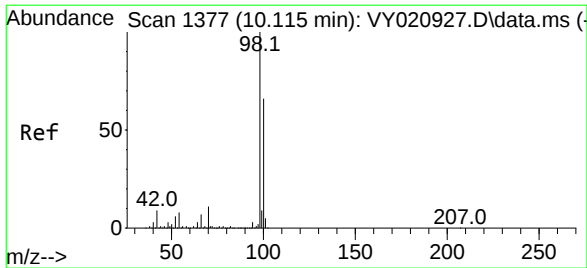
Tgt Ion:	114	Resp:	21229
Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	38.4
88	15.2	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 58.602 ug/l
 RT: 7.628 min Scan# 969
 Delta R.T. -0.018 min
 Lab File: VY020952.D
 Acq: 27 Jan 2025 16:49

Tgt Ion:	113	Resp:	7142
Ion	Ratio	Lower	Upper
113	100		
111	98.9	82.3	123.5
192	21.1	17.4	26.2





#50

Toluene-d8

Concen: 46.569 ug/l

RT: 10.109 min Scan# 1377

Delta R.T. -0.006 min

Lab File: VY020952.D

Acq: 27 Jan 2025 16:49

Instrument :

MSVOA_Y

ClientSampleId :

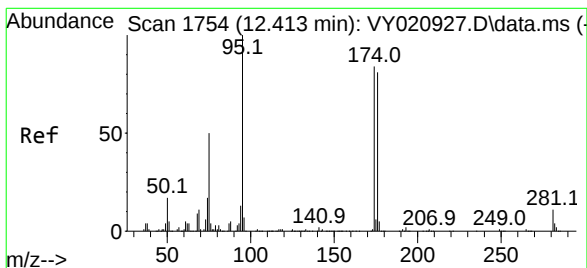
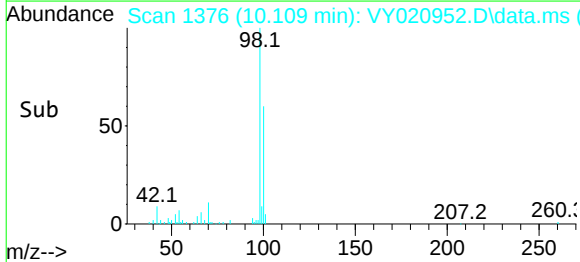
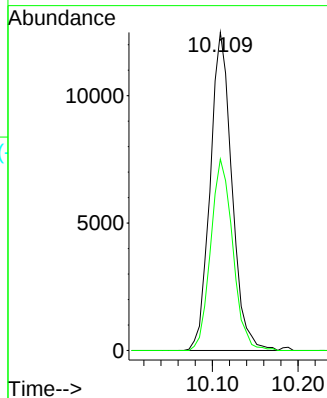
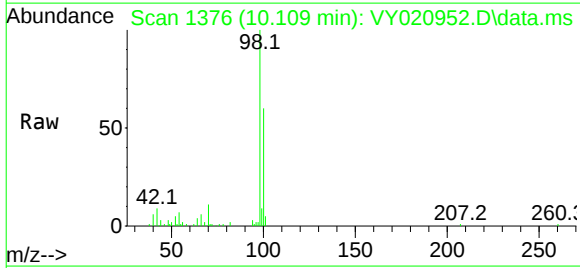
SP-COMP

Tgt Ion: 98 Resp: 22014

Ion Ratio Lower Upper

98 100

100 61.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 26.849 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.000 min

Lab File: VY020952.D

Acq: 27 Jan 2025 16:49

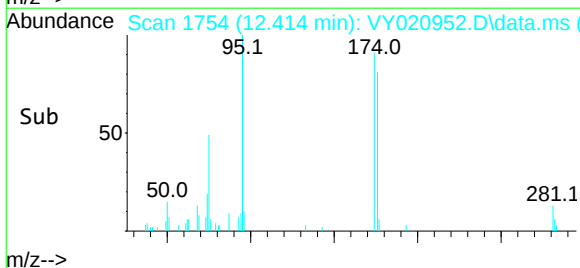
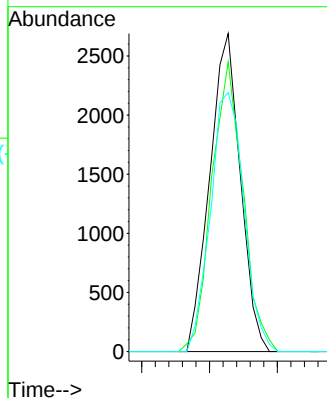
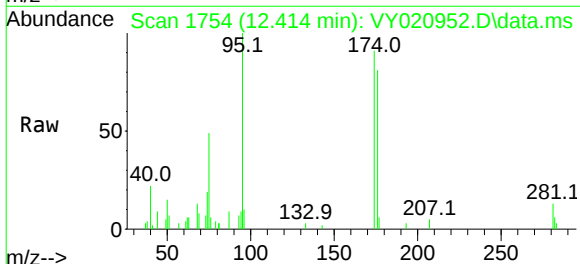
Tgt Ion: 95 Resp: 4224

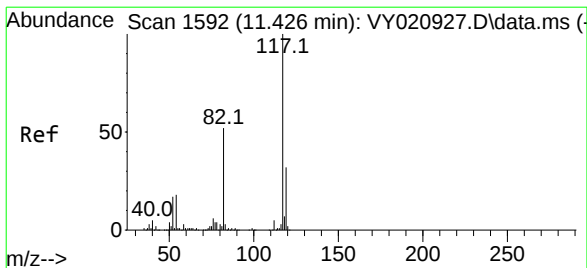
Ion Ratio Lower Upper

95 100

174 92.3 0.0 177.4

176 88.8 0.0 172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 15

Delta R.T. -0.006 min

Lab File: VY020952.D

Acq: 27 Jan 2025 16:49

Instrument :

MSVOA_Y

ClientSampleId :

SP-COMP

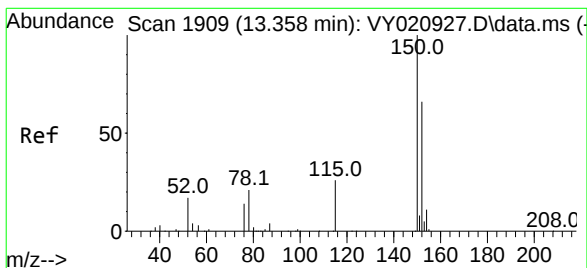
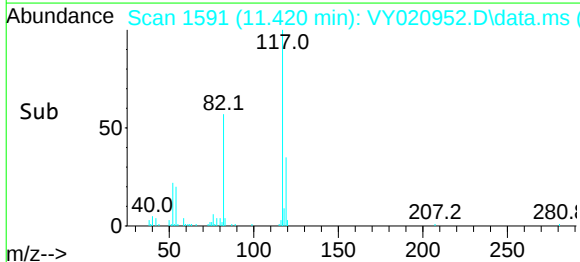
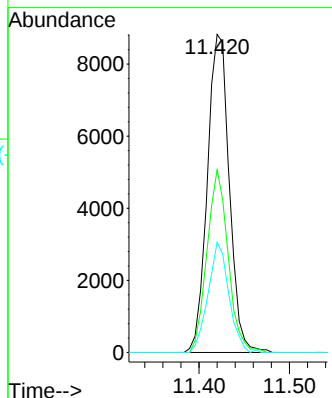
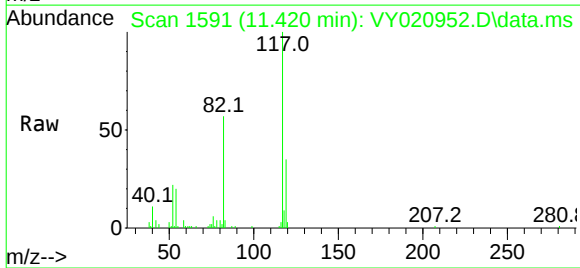
Tgt Ion:117 Resp: 14886

Ion Ratio Lower Upper

117 100

82 57.4 41.8 62.8

119 34.6 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY020952.D

Acq: 27 Jan 2025 16:49

Tgt Ion:152 Resp: 2646

Ion Ratio Lower Upper

152 100

115 56.3 29.0 87.0

150 167.3 0.0 347.6

