

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021224\
 Data File : VY017364.D
 Acq On : 12 Feb 2024 19:29
 Operator : SY/MD
 Sample : P1435-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FRENCH-020724

Quant Time: Feb 13 01:31:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

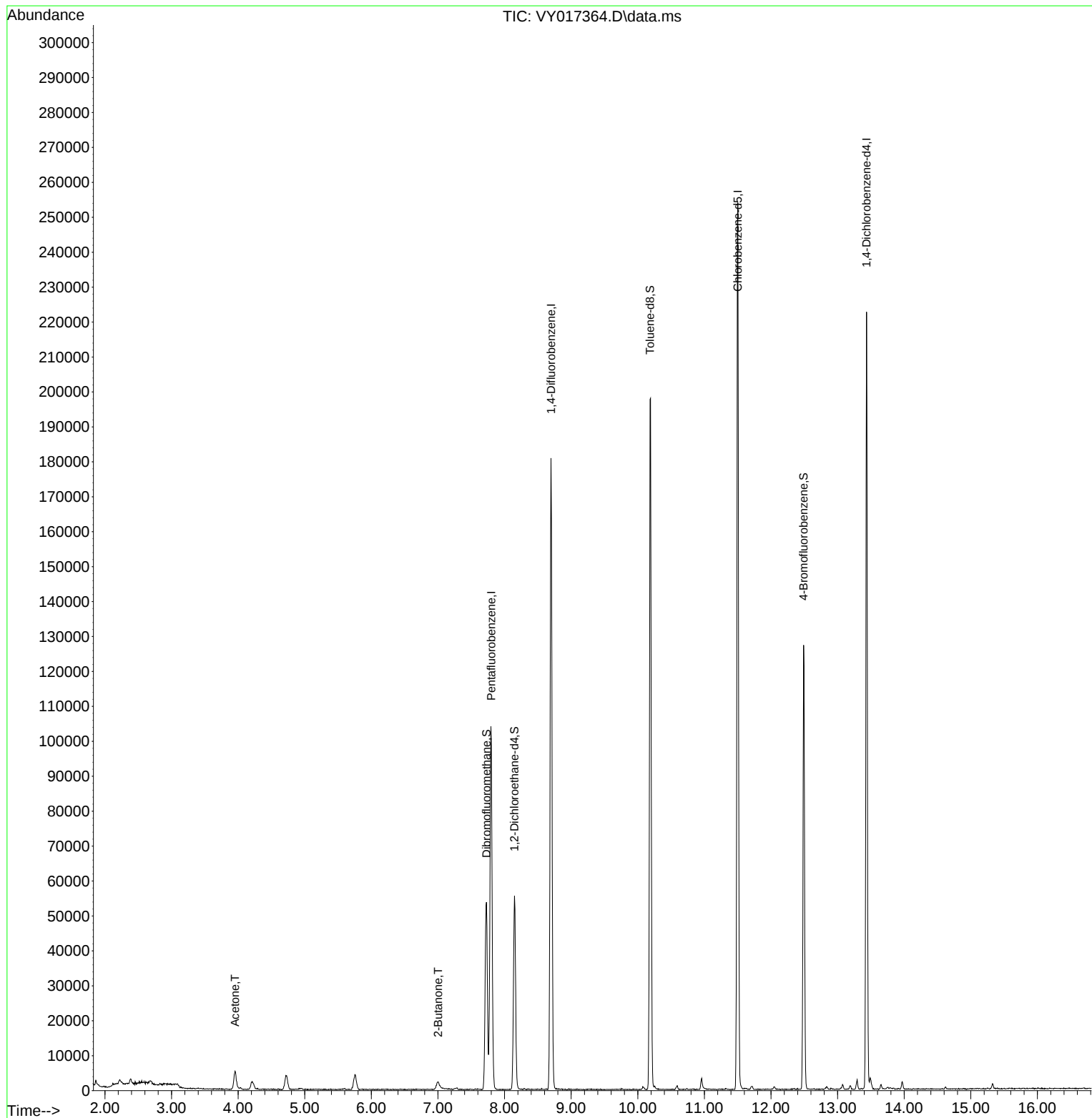
Internal Standards						
1) Pentafluorobenzene	7.801	168	79672	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	155695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	140799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	54239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	42213	59.310	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.620%
35) Dibromofluoromethane	7.728	113	39366	46.828	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.660%
50) Toluene-d8	10.185	98	132658	43.342	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.680%
62) 4-Bromofluorobenzene	12.489	95	38518	38.416	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.840%
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	9090	43.453	ug/l	99
25) 2-Butanone	7.003	43	1887	6.785	ug/l	96

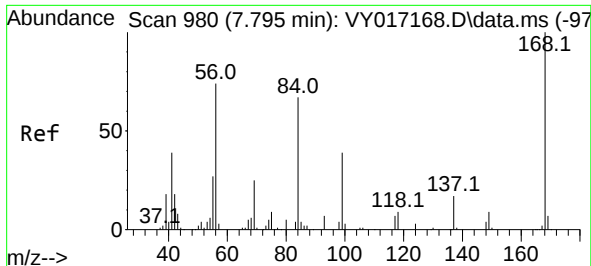
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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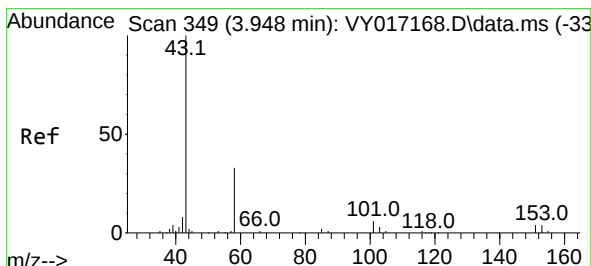
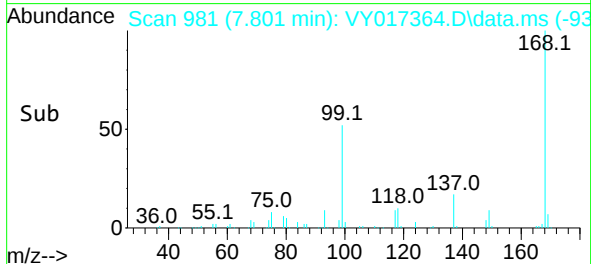
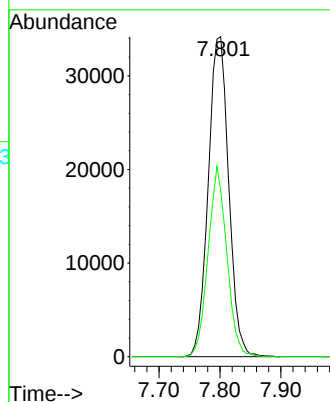
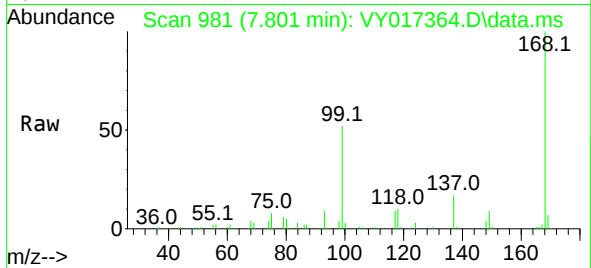




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017364.D
Acq: 12 Feb 2024 19:29

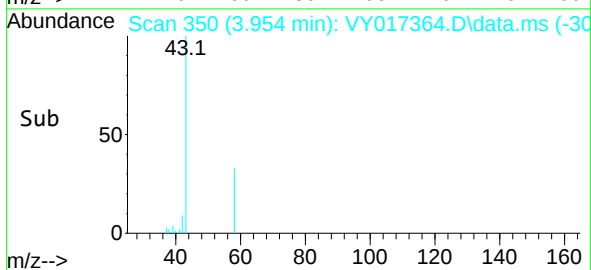
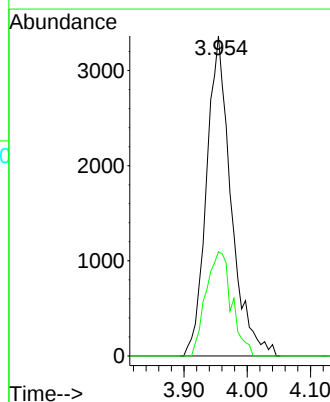
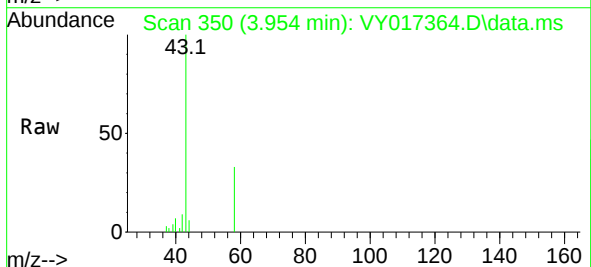
Instrument :
MSVOA_Y
ClientSampleId :
FRENCH-020724

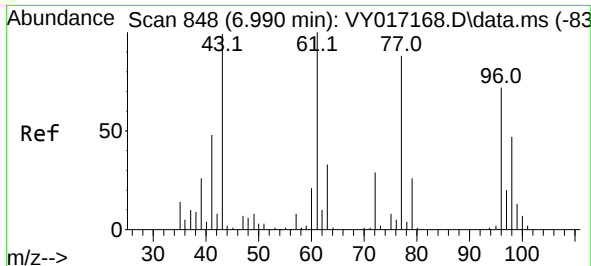
Tgt Ion:168 Resp: 79672
Ion Ratio Lower Upper
168 100
99 51.9 44.2 66.4



#16
Acetone
Concen: 43.453 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.007 min
Lab File: VY017364.D
Acq: 12 Feb 2024 19:29

Tgt Ion: 43 Resp: 9090
Ion Ratio Lower Upper
43 100
58 32.5 26.6 39.8





#25

2-Butanone

Concen: 6.785 ug/l

RT: 7.003 min Scan# 81

Delta R.T. 0.013 min

Lab File: VY017364.D

Acq: 12 Feb 2024 19:29

Instrument :

MSVOA_Y

ClientSampleId :

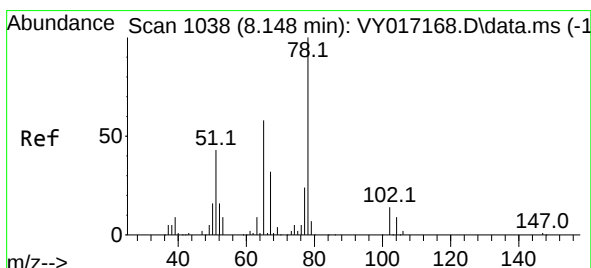
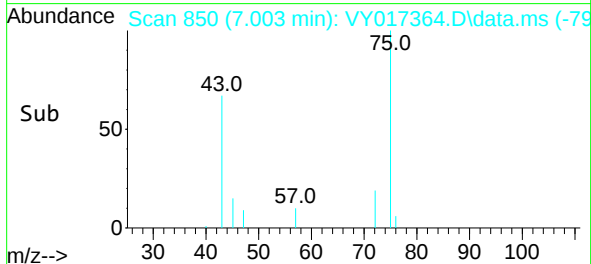
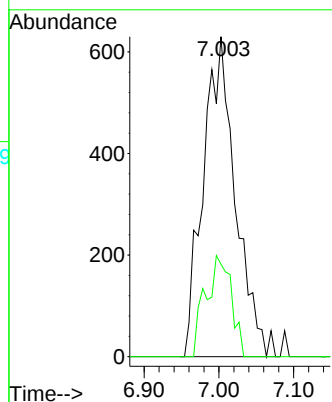
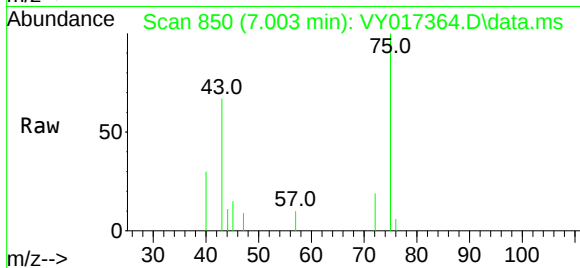
FRENCH-020724

Tgt Ion: 43 Resp: 1887

Ion Ratio Lower Upper

43 100

72 28.9 21.4 32.2



#33

1,2-Dichloroethane-d4

Concen: 59.310 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.001 min

Lab File: VY017364.D

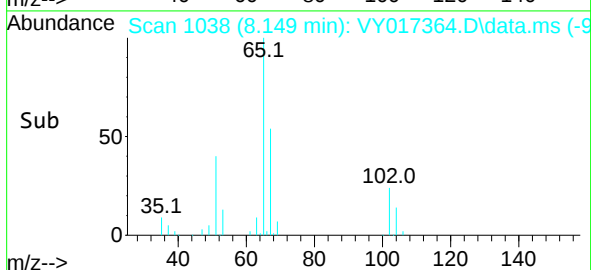
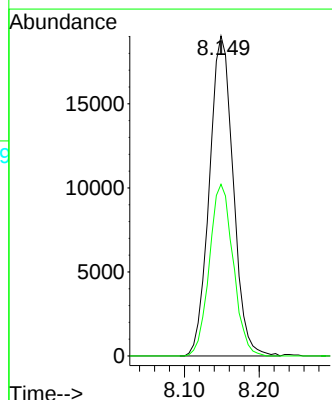
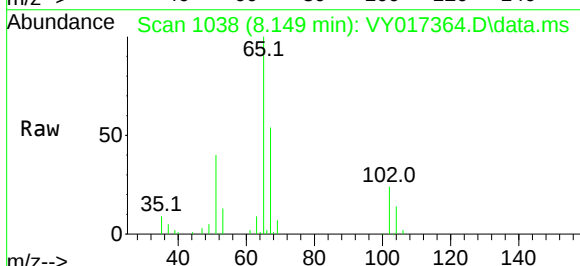
Acq: 12 Feb 2024 19:29

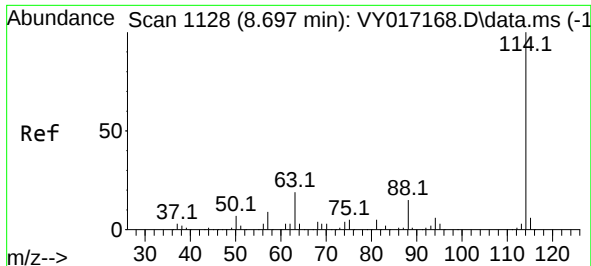
Tgt Ion: 65 Resp: 42213

Ion Ratio Lower Upper

65 100

67 53.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.001 min

Lab File: VY017364.D

Acq: 12 Feb 2024 19:29

Instrument :

MSVOA_Y

ClientSampleId :

FRENCH-020724

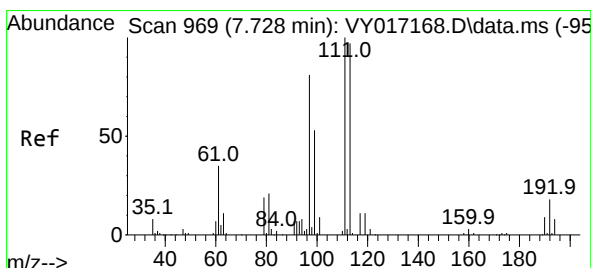
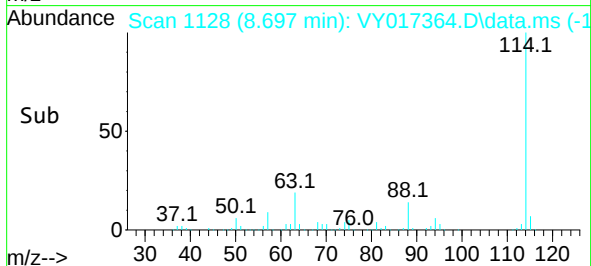
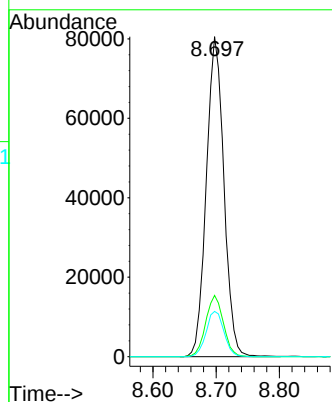
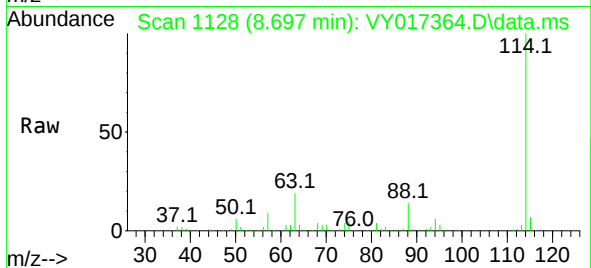
Tgt Ion:114 Resp: 155695

Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.4

88 14.1 0.0 29.0



#35

Dibromofluoromethane

Concen: 46.828 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.001 min

Lab File: VY017364.D

Acq: 12 Feb 2024 19:29

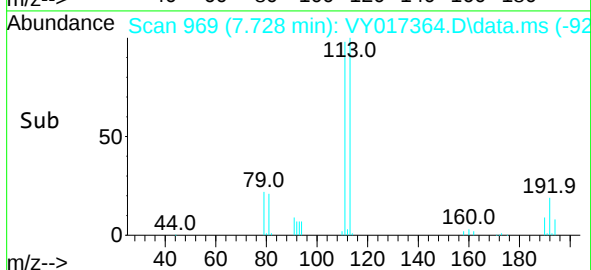
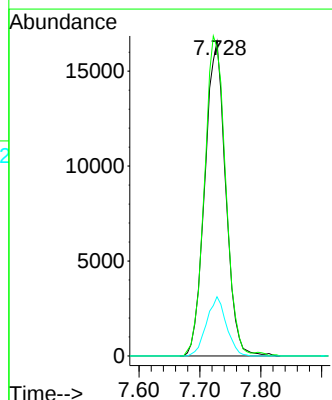
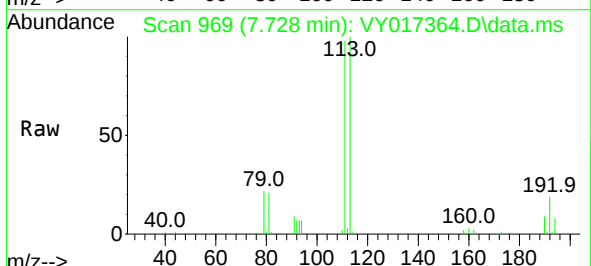
Tgt Ion:113 Resp: 39366

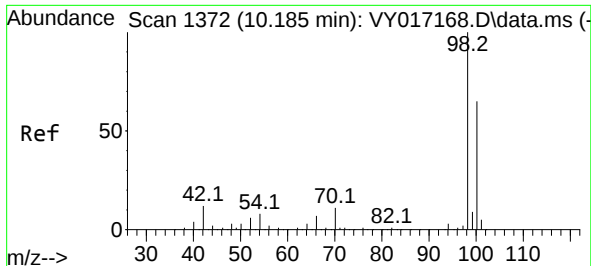
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 17.9 14.5 21.7

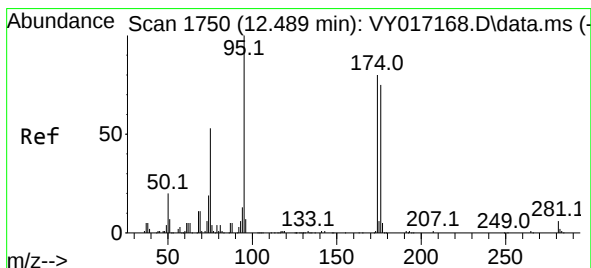
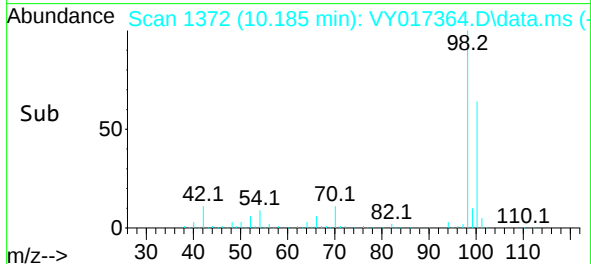
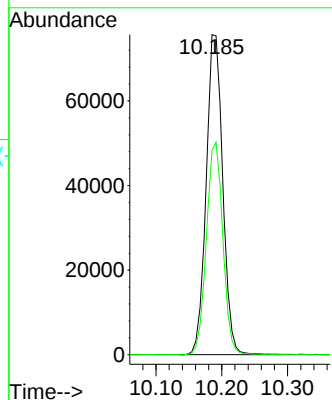
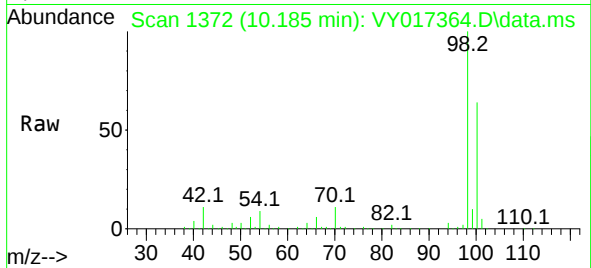




#50
Toluene-d8
Concen: 43.342 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY017364.D
Acq: 12 Feb 2024 19:29

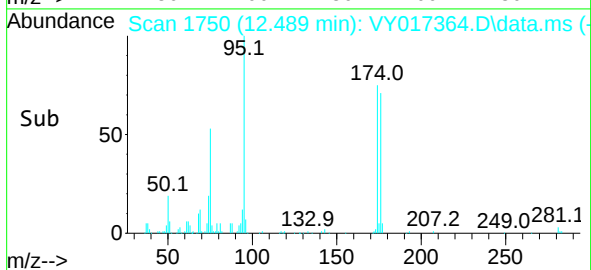
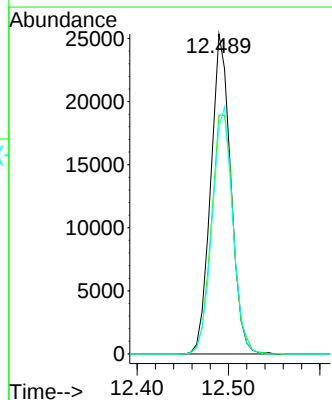
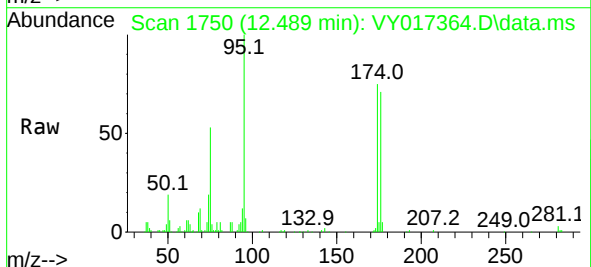
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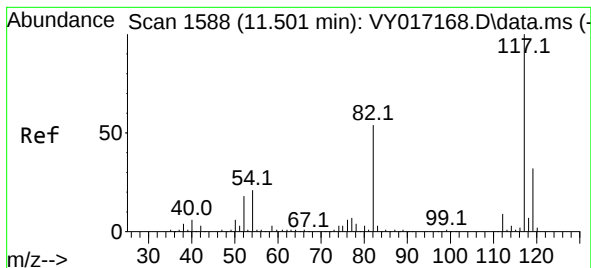
Tgt Ion: 98 Resp: 132658
Ion Ratio Lower Upper
98 100
100 66.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 38.416 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.001 min
Lab File: VY017364.D
Acq: 12 Feb 2024 19:29

Tgt Ion: 95 Resp: 38518
Ion Ratio Lower Upper
95 100
174 81.6 0.0 160.0
176 79.2 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 117

Delta R.T. 0.001 min

Lab File: VY017364.D

Acq: 12 Feb 2024 19:29

Instrument :

MSVOA_Y

ClientSampleId :

FRENCH-020724

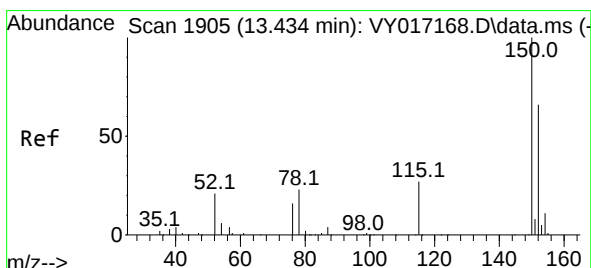
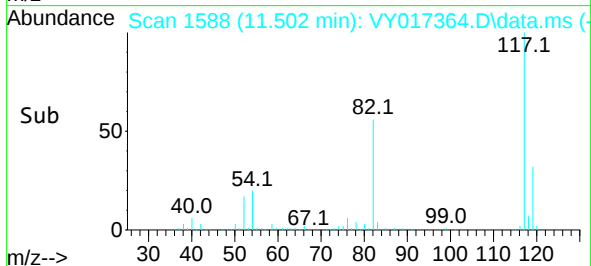
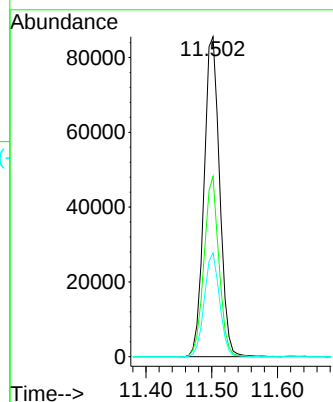
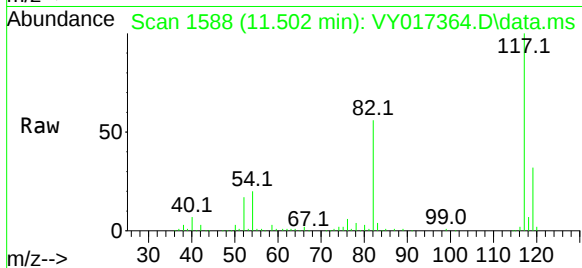
Tgt Ion:117 Resp: 140799

Ion Ratio Lower Upper

117 100

82 56.3 43.8 65.8

119 32.5 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.001 min

Lab File: VY017364.D

Acq: 12 Feb 2024 19:29

Tgt Ion:152 Resp: 54239

Ion Ratio Lower Upper

152 100

115 57.8 30.0 90.0

150 160.6 0.0 344.6

