

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017445.D
 Acq On : 21 Feb 2024 18:03
 Operator : SY/MD
 Sample : P1537-12
 Misc : 4.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 12

Quant Time: Feb 22 03:41:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

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

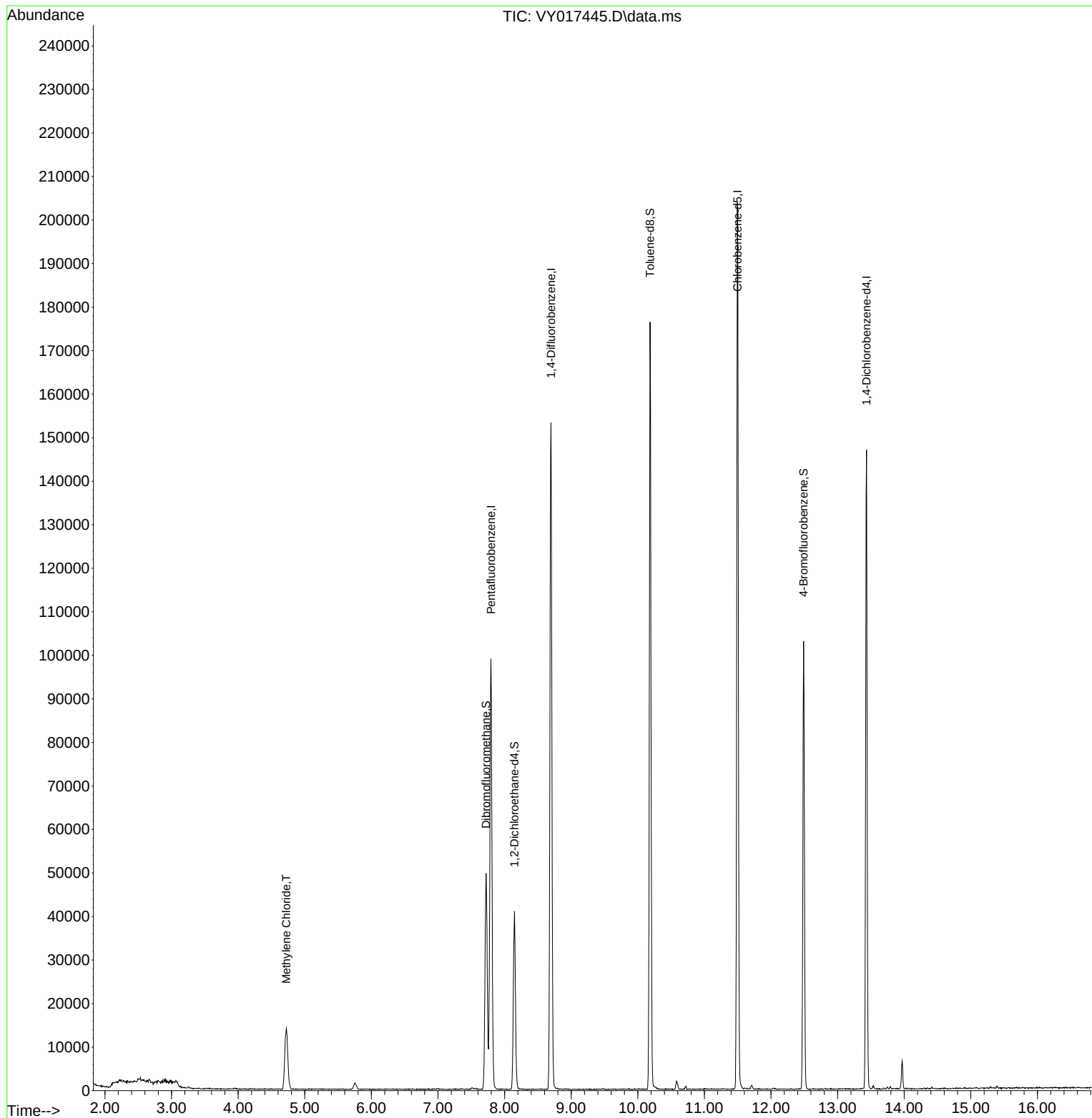
Internal Standards						
1) Pentafluorobenzene	7.795	168	81899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	142529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	120369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	39914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	30521	43.623	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.240%
35) Dibromofluoromethane	7.722	113	35946	43.085	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.160%
50) Toluene-d8	10.185	98	120337	37.190	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	74.380%
62) 4-Bromofluorobenzene	12.489	95	28881	27.565	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	55.140%
Target Compounds						
20) Methylene Chloride	4.722	84	11811	7.538	ug/l	Qvalue 94

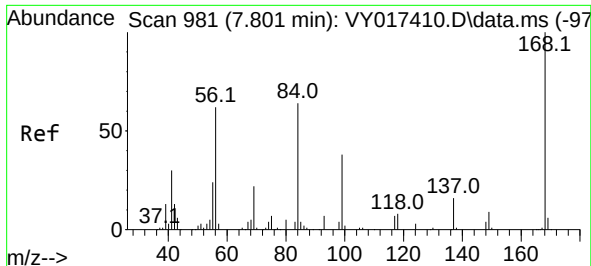
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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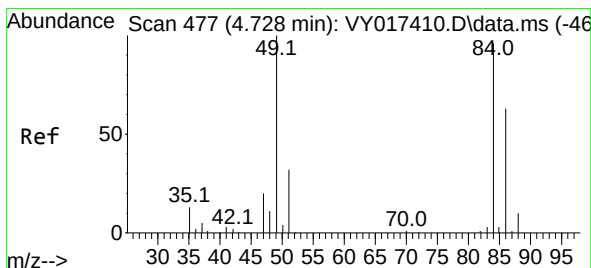
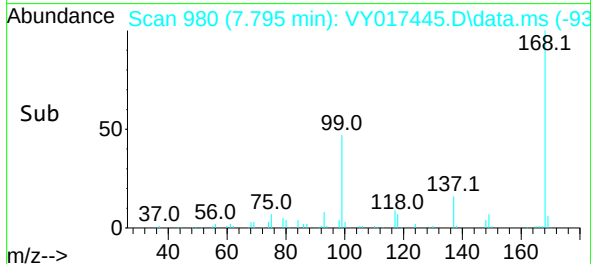
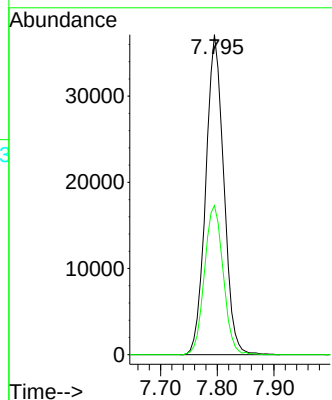
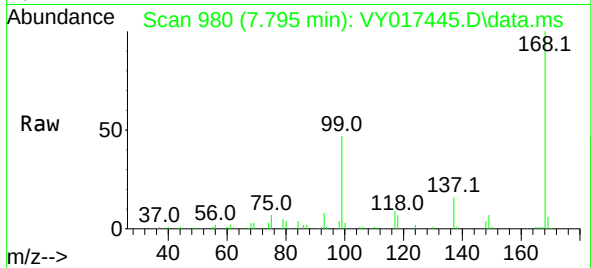




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY017445.D
Acq: 21 Feb 2024 18:03

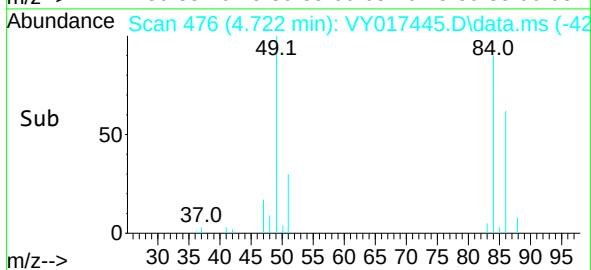
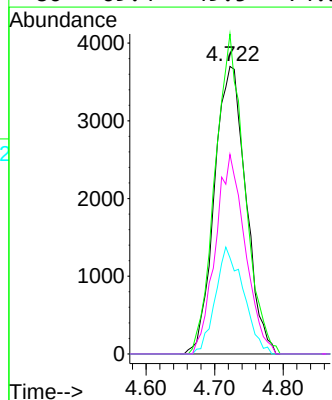
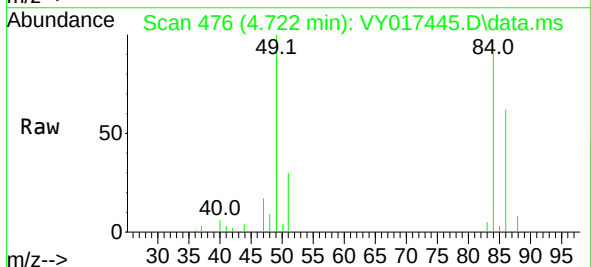
Instrument :
MSVOA_Y
ClientSampleId :
12

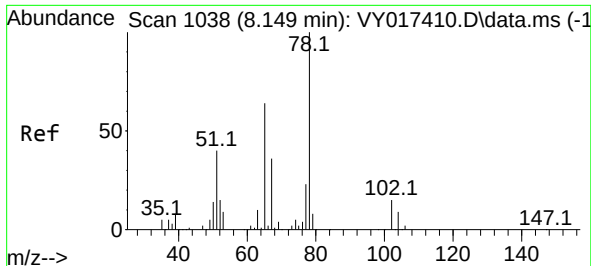
Tgt Ion:168 Resp: 81899
Ion Ratio Lower Upper
168 100
99 46.6 39.1 58.7



#20
Methylene Chloride
Concen: 7.538 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.006 min
Lab File: VY017445.D
Acq: 21 Feb 2024 18:03

Tgt Ion: 84 Resp: 11811
Ion Ratio Lower Upper
84 100
49 111.3 84.4 126.6
51 33.5 26.0 39.0
86 69.4 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 43.623 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY017445.D

Acq: 21 Feb 2024 18:03

Instrument :

MSVOA_Y

ClientSampleId :

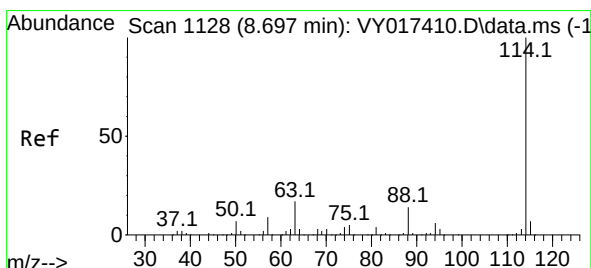
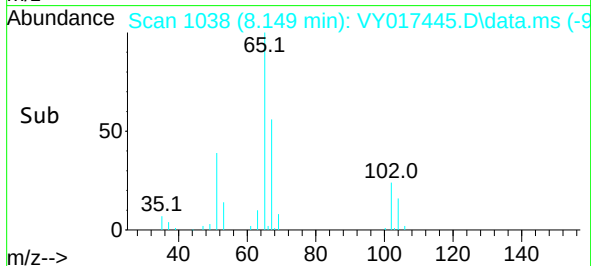
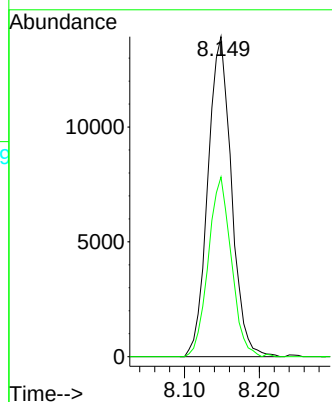
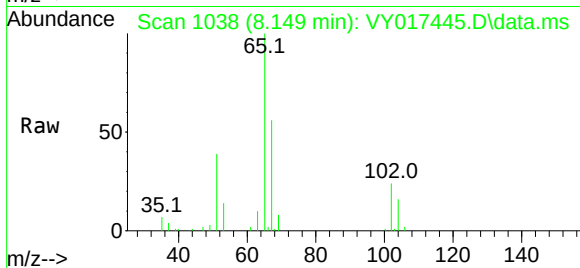
12

Tgt Ion: 65 Resp: 30521

Ion Ratio Lower Upper

65 100

67 54.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY017445.D

Acq: 21 Feb 2024 18:03

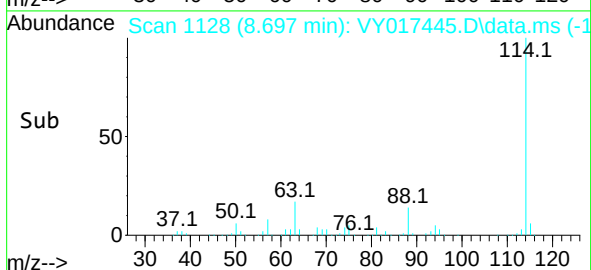
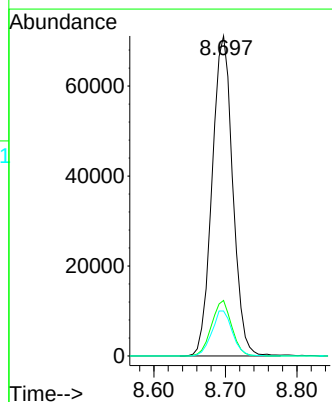
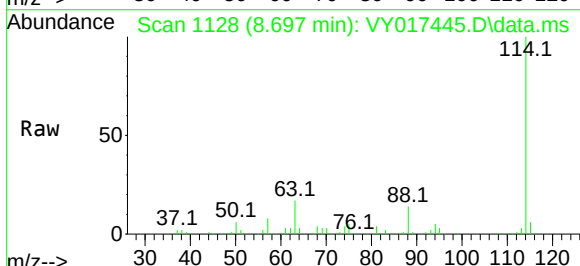
Tgt Ion: 114 Resp: 142529

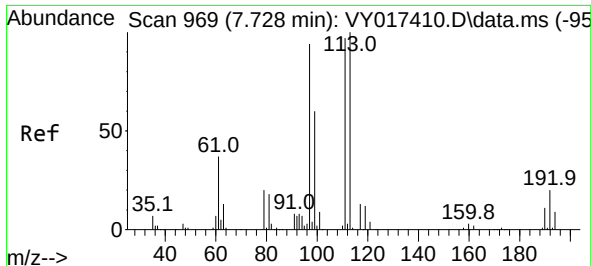
Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

88 14.1 0.0 27.2

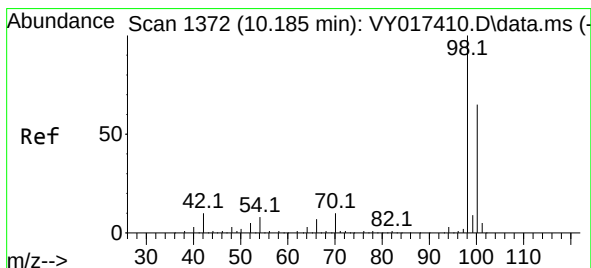
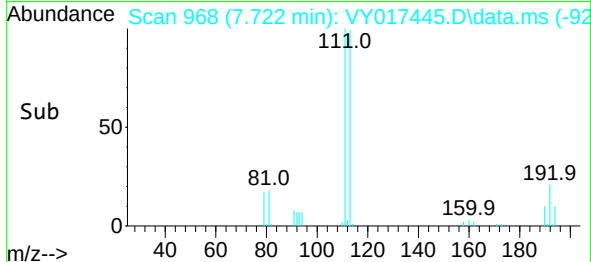
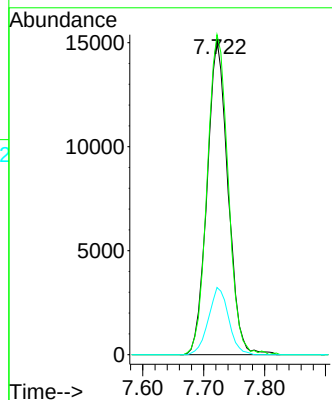
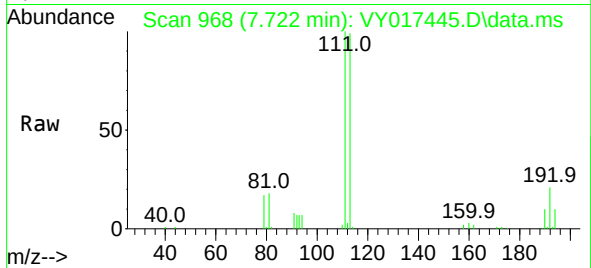




#35
Dibromofluoromethane
Concen: 43.085 ug/l
RT: 7.722 min Scan# 912
Delta R.T. -0.006 min
Lab File: VY017445.D
Acq: 21 Feb 2024 18:03

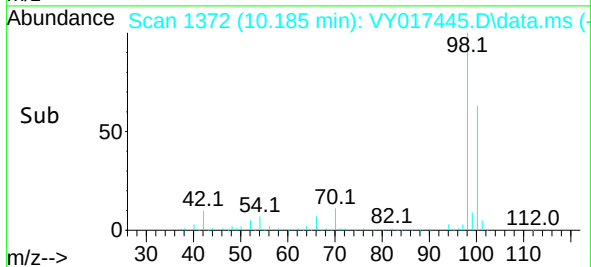
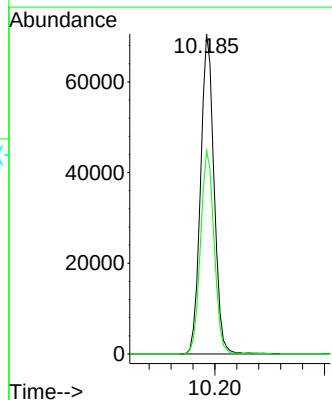
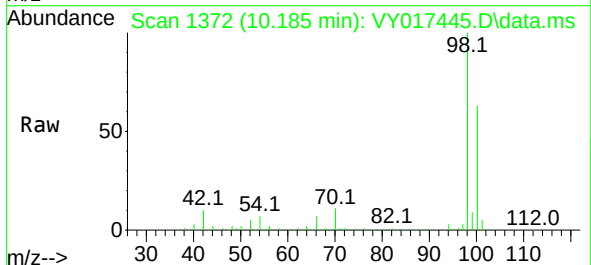
Instrument :
MSVOA_Y
ClientSampleId :
12

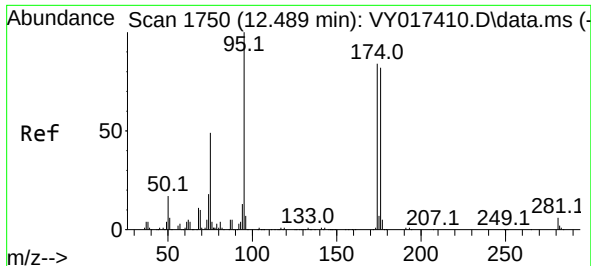
Tgt Ion:113 Resp: 35946
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 20.7 15.9 23.9



#50
Toluene-d8
Concen: 37.190 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017445.D
Acq: 21 Feb 2024 18:03

Tgt Ion: 98 Resp: 120337
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 27.565 ug/l

RT: 12.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017445.D

Acq: 21 Feb 2024 18:03

Instrument :

MSVOA_Y

ClientSampleId :

12

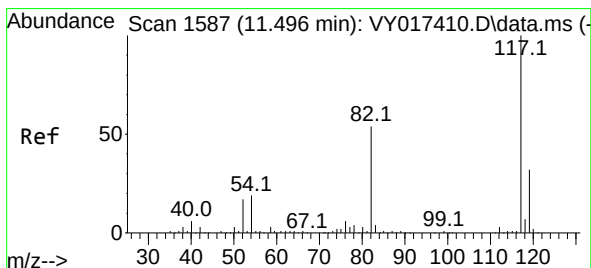
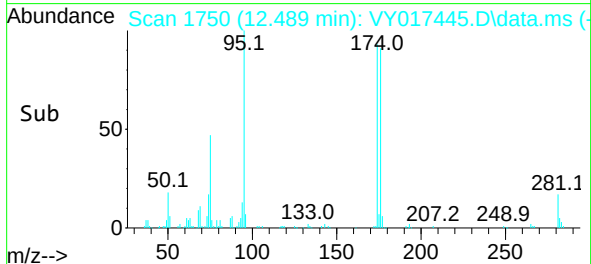
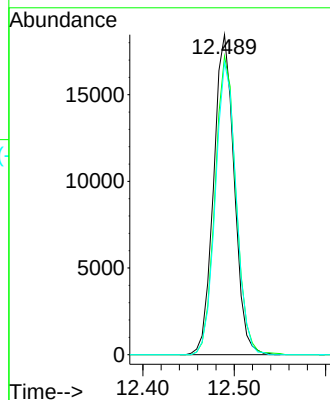
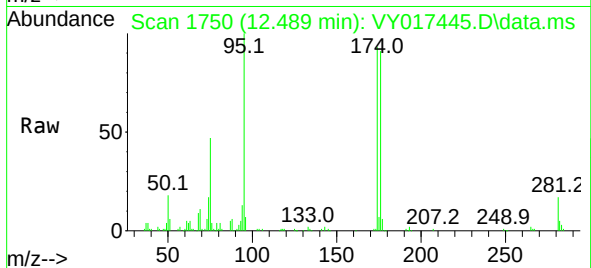
Tgt Ion: 95 Resp: 28881

Ion Ratio Lower Upper

95 100

174 94.8 0.0 175.6

176 92.0 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VY017445.D

Acq: 21 Feb 2024 18:03

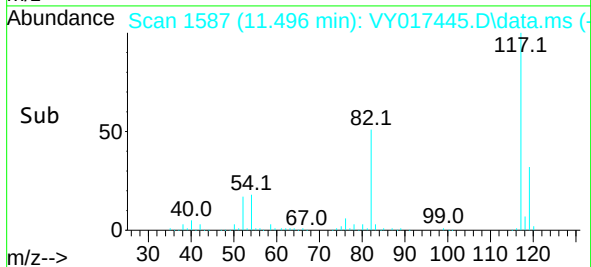
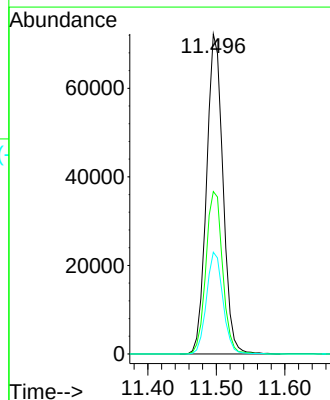
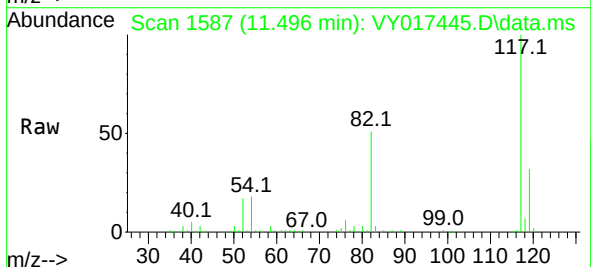
Tgt Ion: 117 Resp: 120369

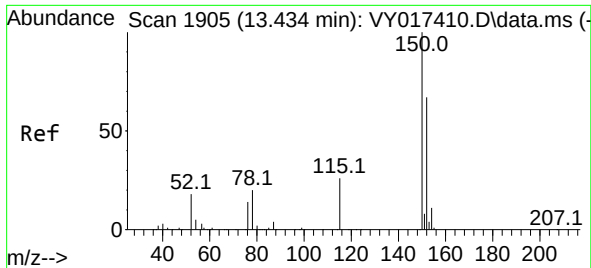
Ion Ratio Lower Upper

117 100

82 50.8 42.4 63.6

119 31.8 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017445.D

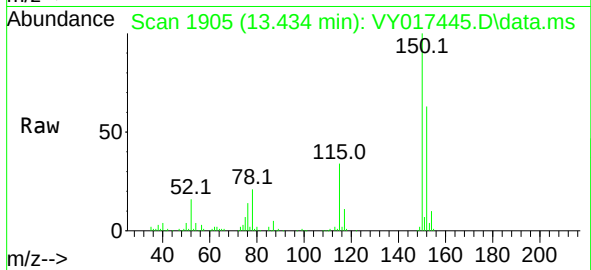
Acq: 21 Feb 2024 18:03

Instrument :

MSVOA_Y

ClientSampleId :

12



Tgt Ion:152 Resp: 39914

Ion Ratio Lower Upper

152 100

115 54.7 28.2 84.7

150 159.6 0.0 345.6

