

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022224\
 Data File : VY017462.D
 Acq On : 22 Feb 2024 16:47
 Operator : SY/MD
 Sample : P1564-03
 Misc : 3.95g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-10

Quant Time: Feb 23 00:32:02 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	135098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	240945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	208012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	83667	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	71732	62.153	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.300%
35) Dibromofluoromethane	7.728	113	82837	58.733	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.460%
50) Toluene-d8	10.185	98	305802	55.905	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.820%
62) 4-Bromofluorobenzene	12.489	95	83249	45.783	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.560%

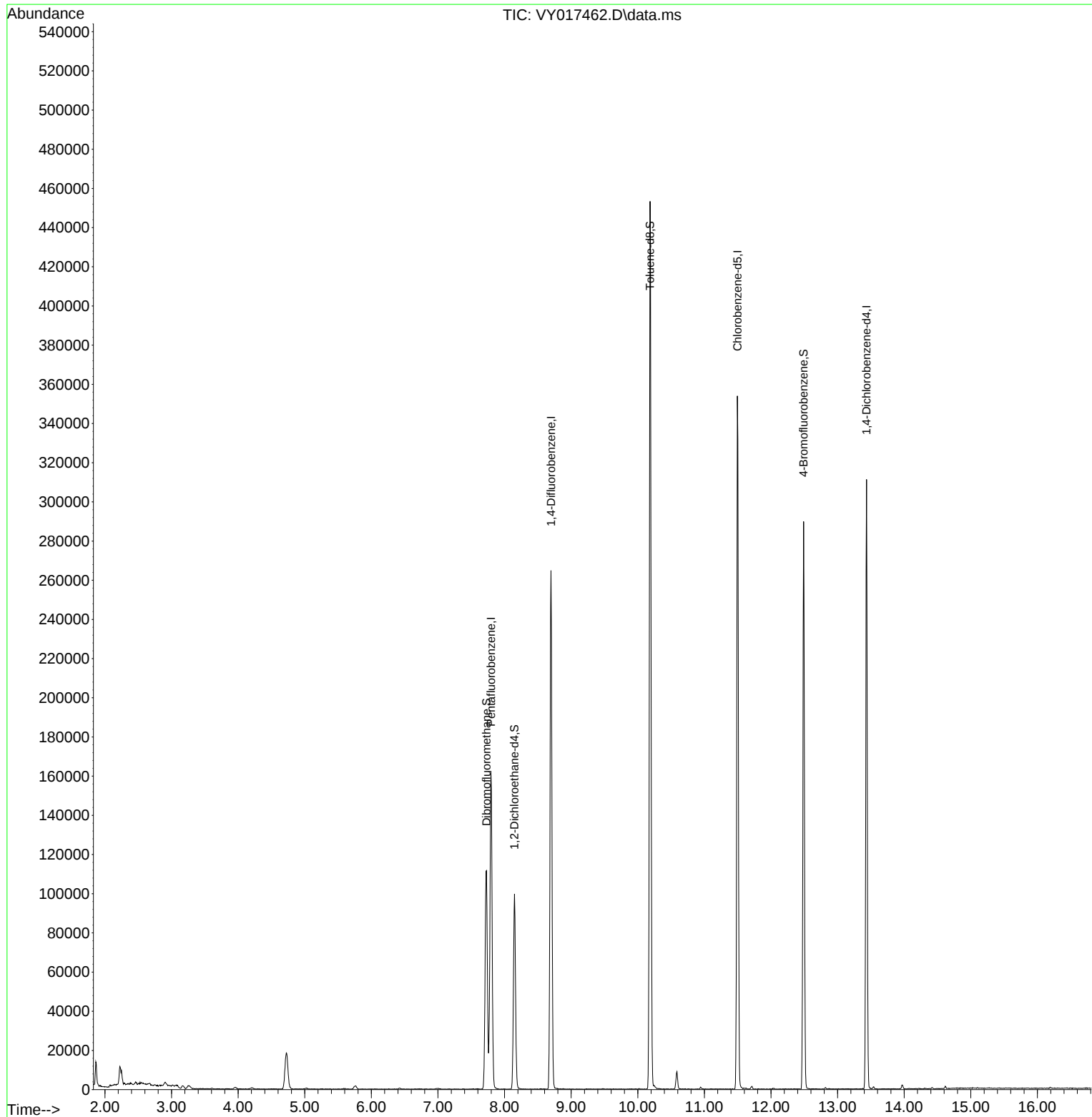
Target Compounds	Qvalue

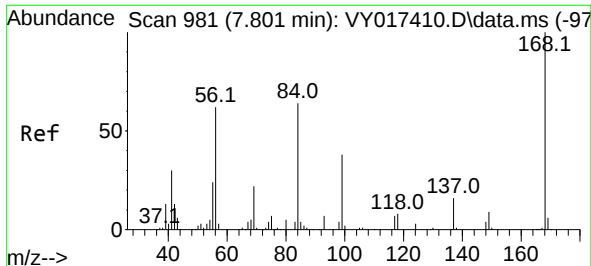
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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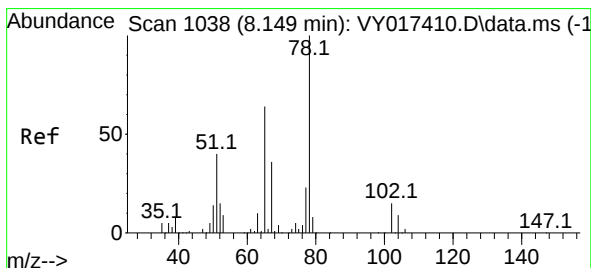
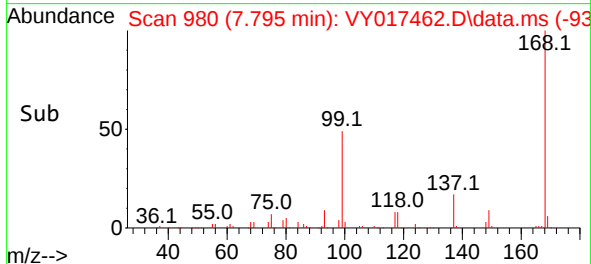
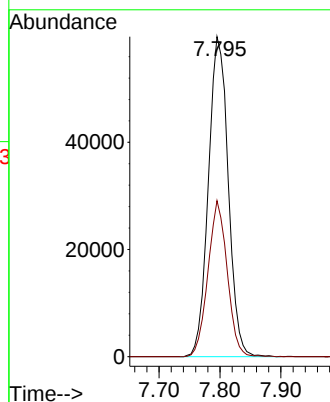
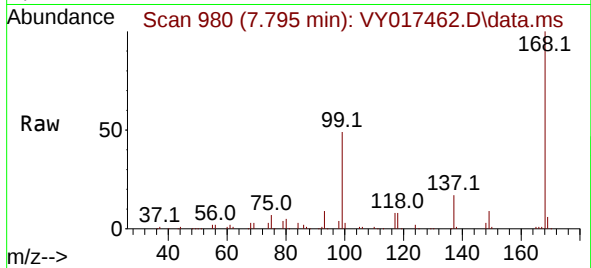




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY017462.D
Acq: 22 Feb 2024 16:47

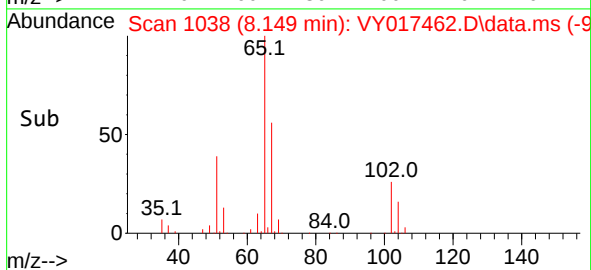
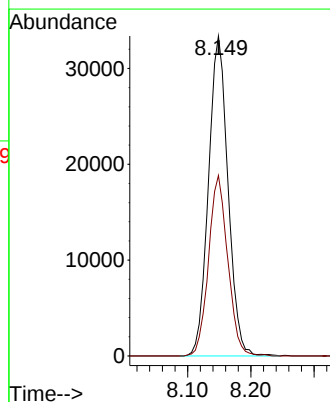
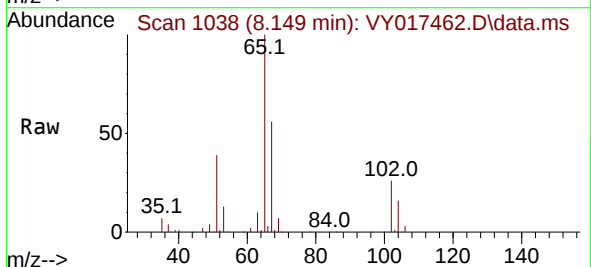
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-10

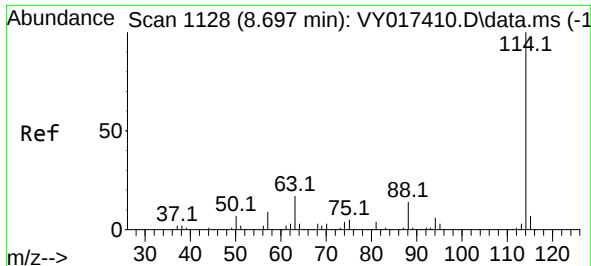
Tgt Ion:168 Resp: 135098
Ion Ratio Lower Upper
168 100
99 48.8 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 62.153 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY017462.D
Acq: 22 Feb 2024 16:47

Tgt Ion: 65 Resp: 71732
Ion Ratio Lower Upper
65 100
67 55.5 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: VY017462.D

Acq: 22 Feb 2024 16:47

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-10

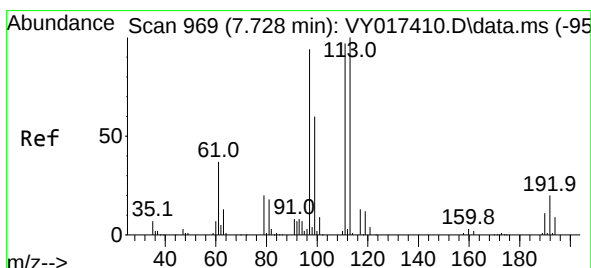
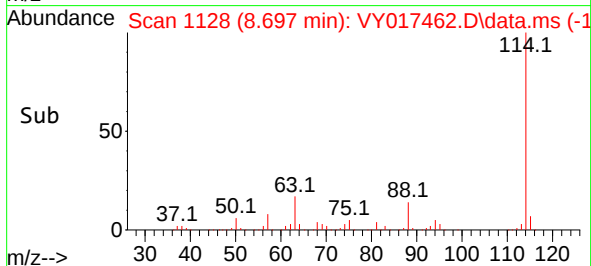
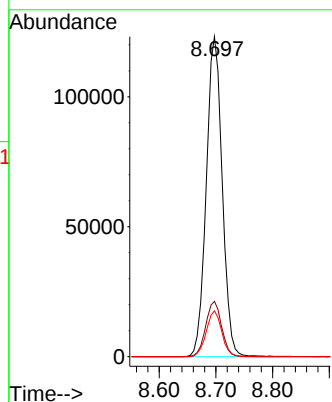
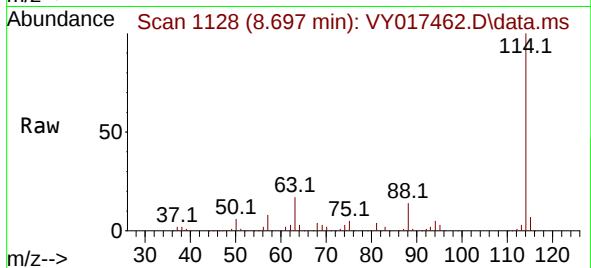
Tgt Ion:114 Resp: 240945

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

88 14.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 58.733 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY017462.D

Acq: 22 Feb 2024 16:47

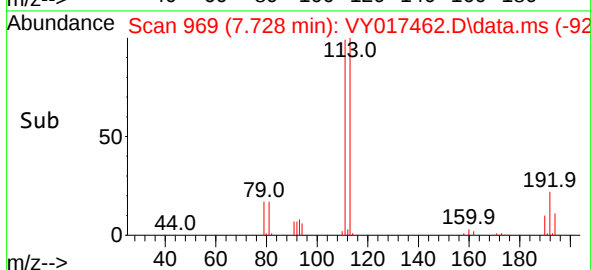
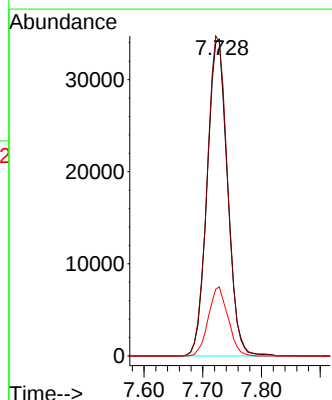
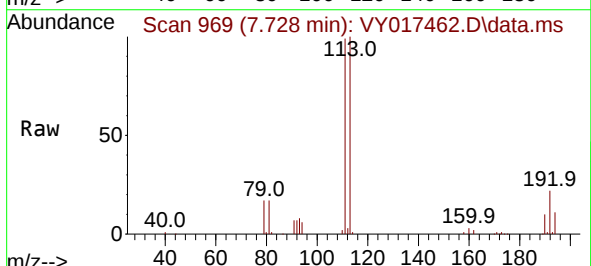
Tgt Ion:113 Resp: 82837

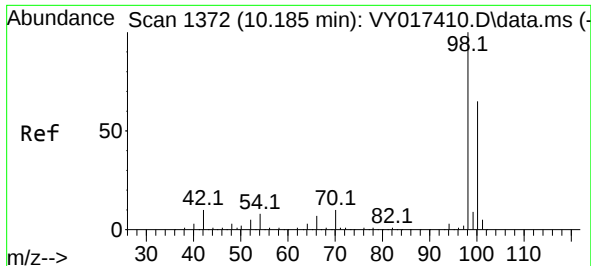
Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.4

192 21.1 15.9 23.9

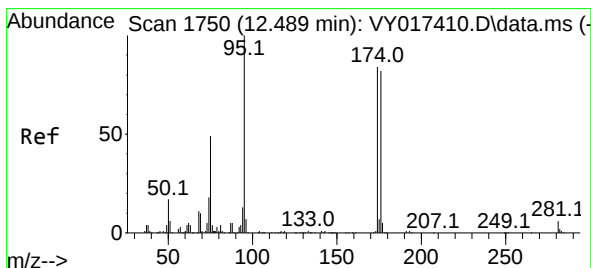
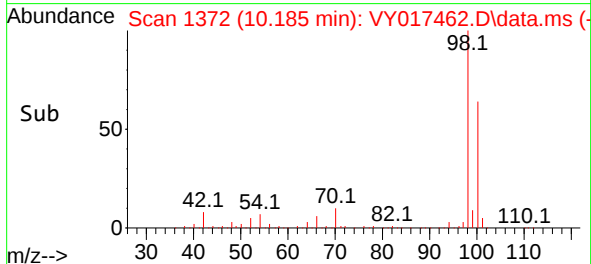
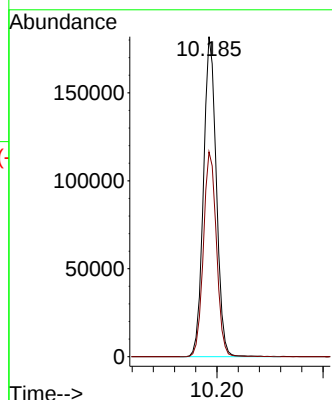
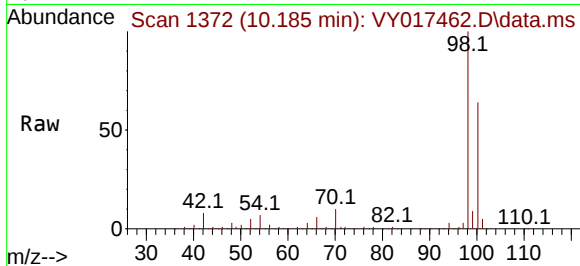




#50
Toluene-d8
Concen: 55.905 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017462.D
Acq: 22 Feb 2024 16:47

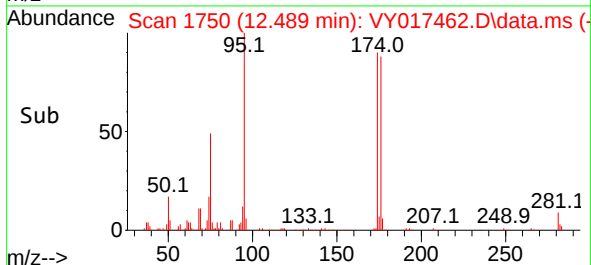
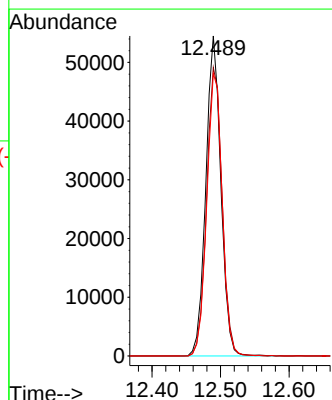
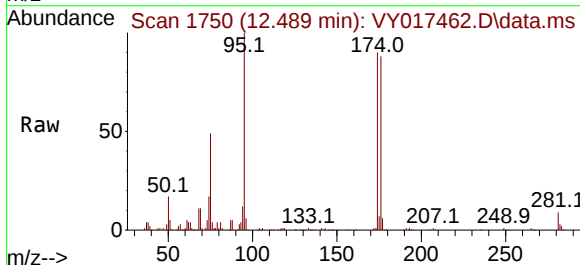
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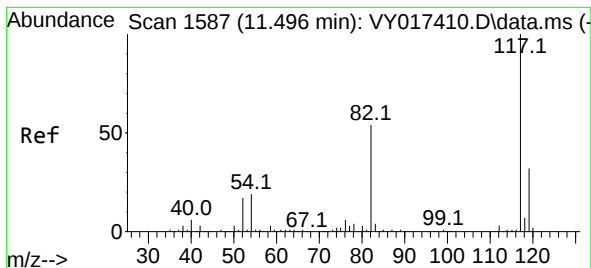
Tgt Ion: 98 Resp: 305802
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.783 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017462.D
Acq: 22 Feb 2024 16:47

Tgt Ion: 95 Resp: 83249
Ion Ratio Lower Upper
95 100
174 93.3 0.0 175.6
176 90.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017462.D

Acq: 22 Feb 2024 16:47

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-10

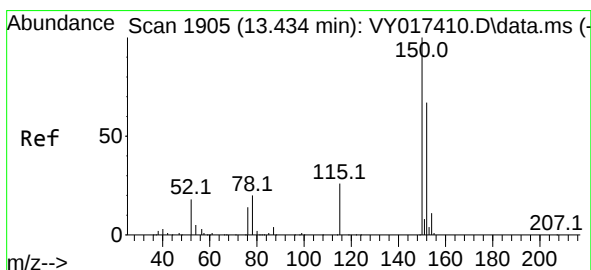
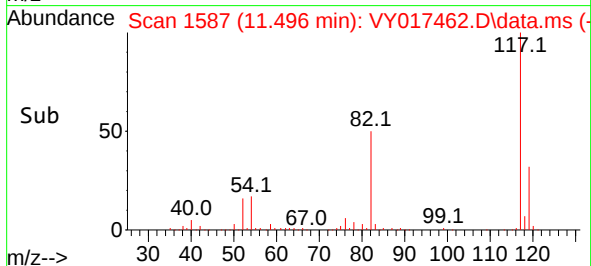
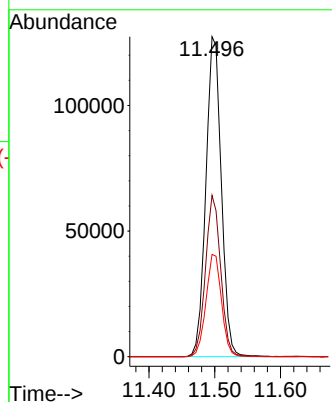
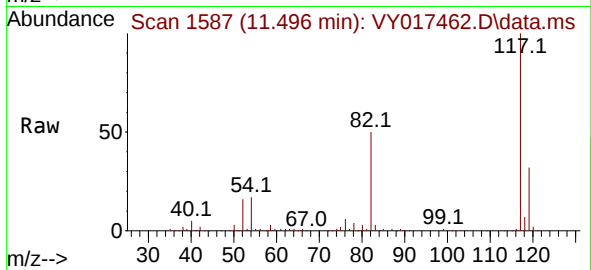
Tgt Ion:117 Resp: 208012

Ion Ratio Lower Upper

117 100

82 50.4 42.4 63.6

119 32.0 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: VY017462.D

Acq: 22 Feb 2024 16:47

Tgt Ion:152 Resp: 83667

Ion Ratio Lower Upper

152 100

115 55.0 28.2 84.7

150 157.4 0.0 345.6

