

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016029.D
 Acq On : 18 Oct 2023 18:52
 Operator : SY/MD
 Sample : 04938-02
 Misc : 5.31g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A-1(2-6)

Quant Time: Oct 19 03:27:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	139241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	239864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	219070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90074	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	94308	59.592	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.180%
35) Dibromofluoromethane	7.722	113	80161	50.773	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.540%
50) Toluene-d8	10.185	98	277596	48.412	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.820%
62) 4-Bromofluorobenzene	12.483	95	88593	43.301	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.600%

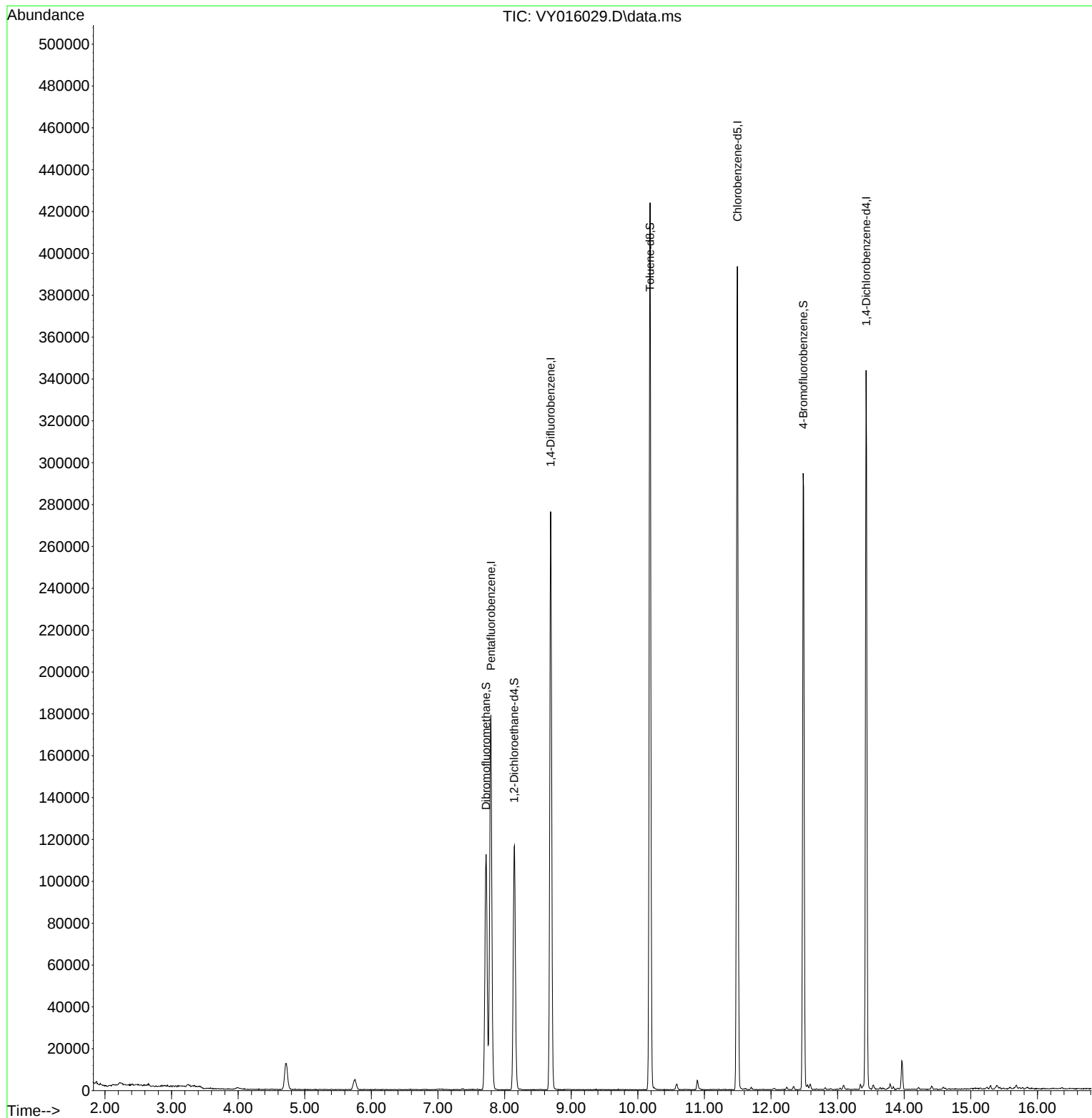
Target Compounds	Qvalue

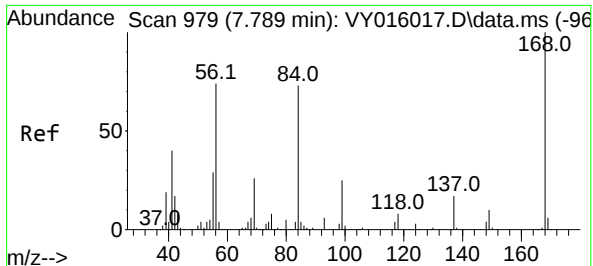
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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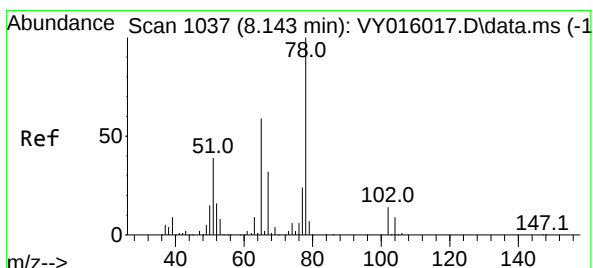
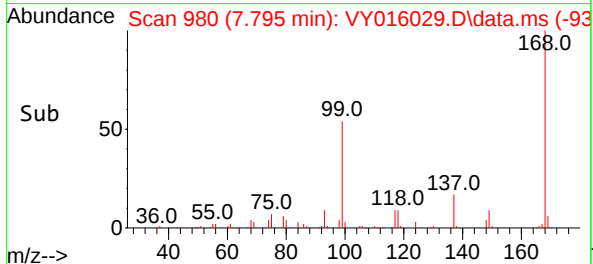
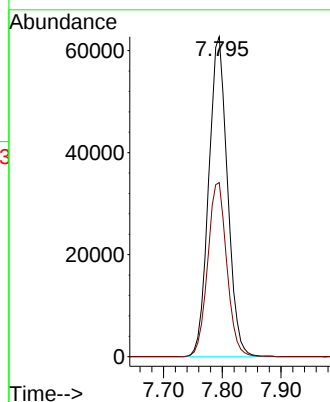
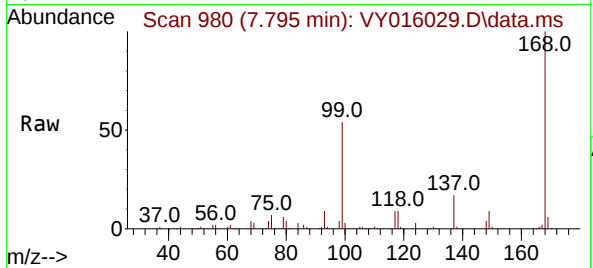




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016029.D
Acq: 18 Oct 2023 18:52

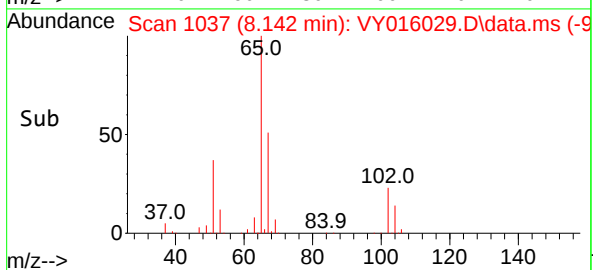
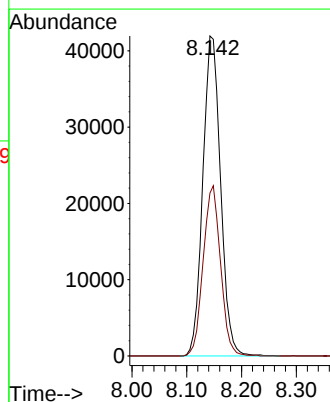
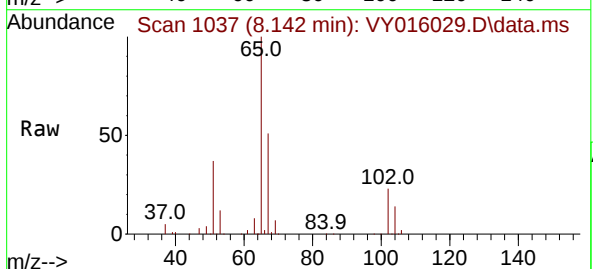
Instrument :
MSVOA_Y
ClientSampleId :
A-1(2-6)

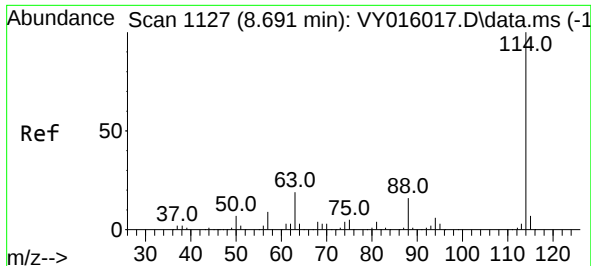
Tgt Ion:168 Resp: 139241
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 59.592 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY016029.D
Acq: 18 Oct 2023 18:52

Tgt Ion: 65 Resp: 94308
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY016029.D

Acq: 18 Oct 2023 18:52

Instrument :

MSVOA_Y

ClientSampleId :

A-1(2-6)

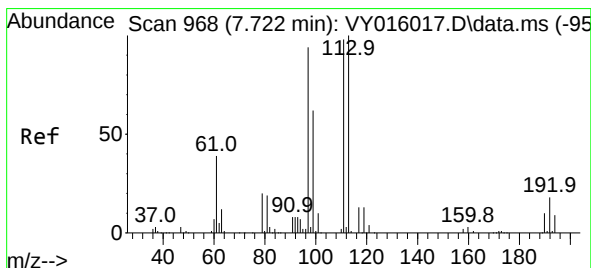
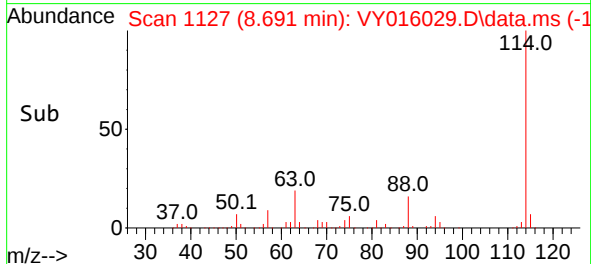
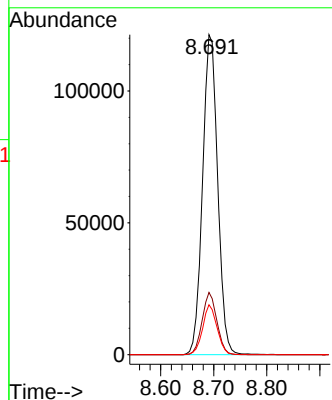
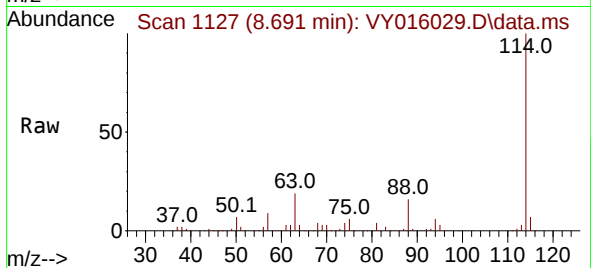
Tgt Ion:114 Resp: 239864

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.773 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY016029.D

Acq: 18 Oct 2023 18:52

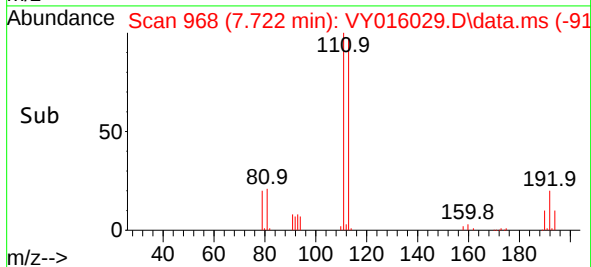
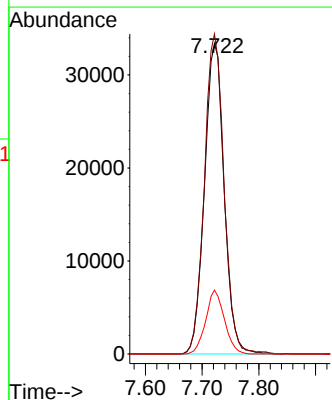
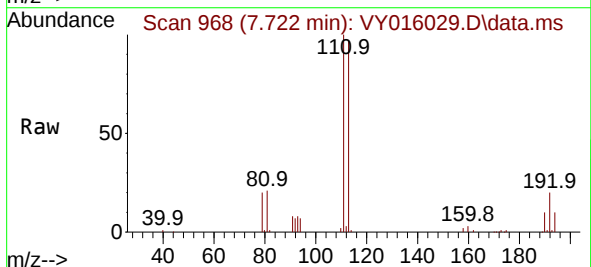
Tgt Ion:113 Resp: 80161

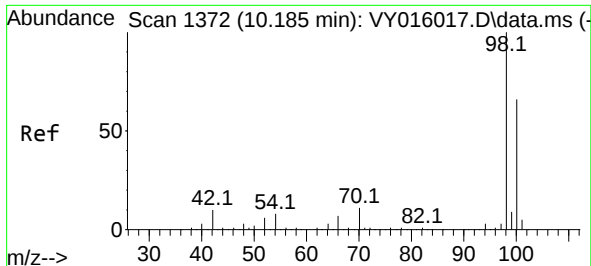
Ion Ratio Lower Upper

113 100

111 103.3 81.3 121.9

192 19.6 16.9 25.3

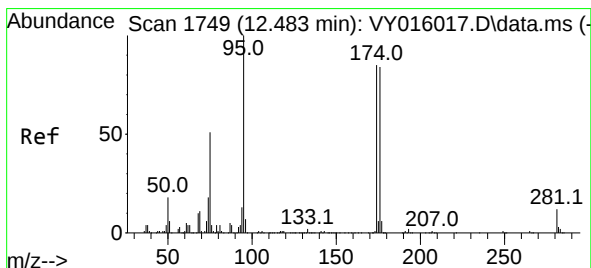
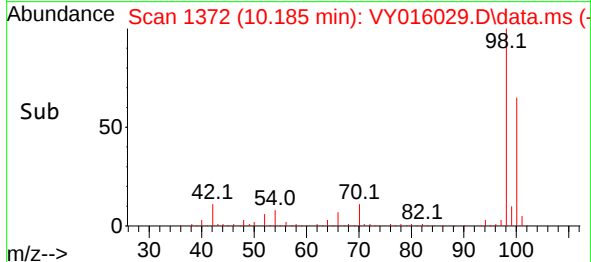
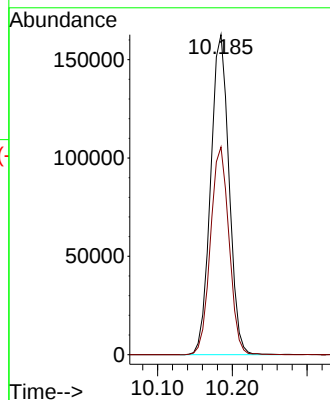
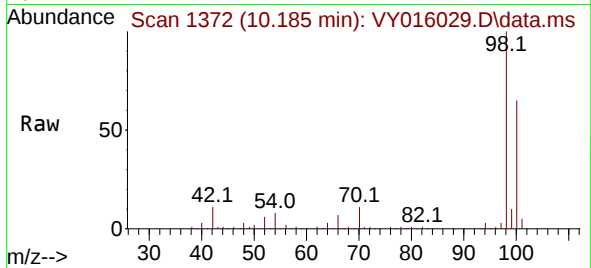




#50
Toluene-d8
Concen: 48.412 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY016029.D
Acq: 18 Oct 2023 18:52

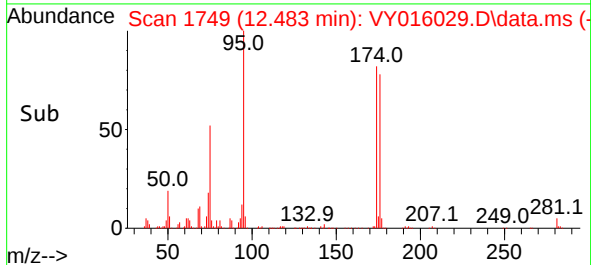
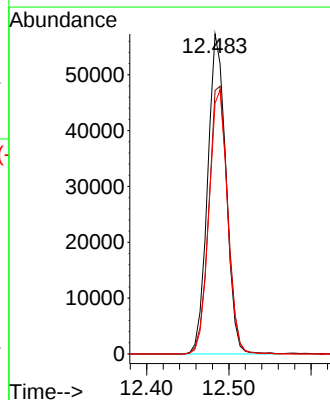
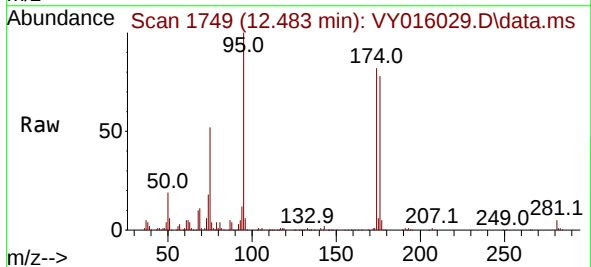
Instrument :
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ClientSampleId :
A-1(2-6)

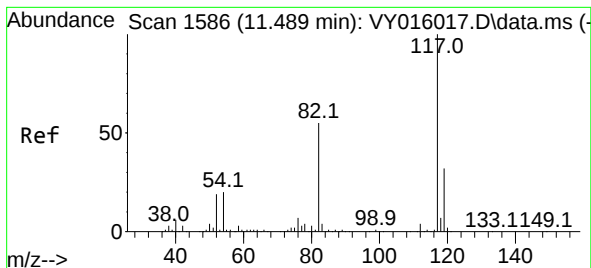
Tgt Ion: 98 Resp: 277596
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 43.301 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY016029.D
Acq: 18 Oct 2023 18:52

Tgt Ion: 95 Resp: 88593
Ion Ratio Lower Upper
95 100
174 86.5 0.0 178.2
176 83.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016029.D

Acq: 18 Oct 2023 18:52

Instrument :

MSVOA_Y

ClientSampleId :

A-1(2-6)

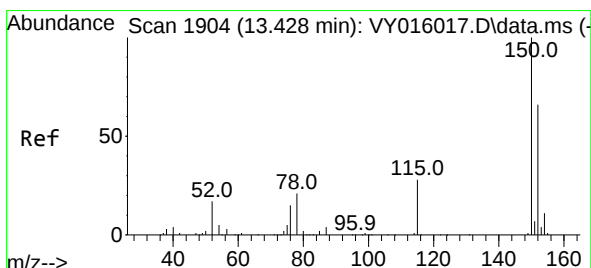
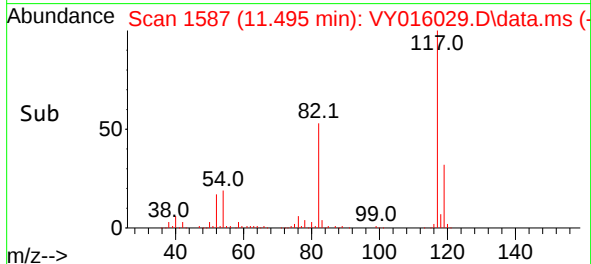
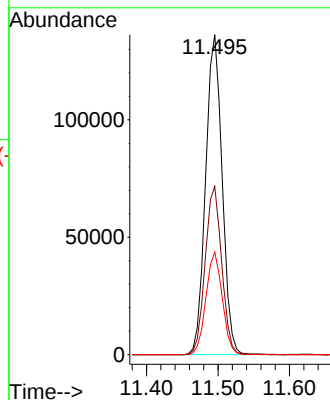
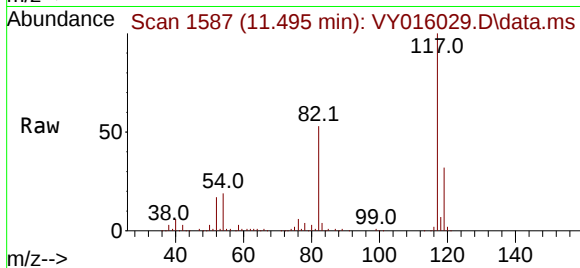
Tgt Ion:117 Resp: 219070

Ion Ratio Lower Upper

117 100

82 52.6 43.4 65.0

119 32.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY016029.D

Acq: 18 Oct 2023 18:52

Tgt Ion:152 Resp: 90074

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 157.0 0.0 348.8

