

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032024\
 Data File : VY017724.D
 Acq On : 20 Mar 2024 12:02
 Operator : SY/MD
 Sample : P1804-03
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JC-03-03192024-B

Quant Time: Mar 21 03:14:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	109244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	209690	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	185235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	67639	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	58460	56.465	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.920%
35) Dibromofluoromethane	7.734	113	68028	46.557	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.120%
50) Toluene-d8	10.191	98	245435	48.041	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.080%
62) 4-Bromofluorobenzene	12.489	95	64031	39.880	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.760%

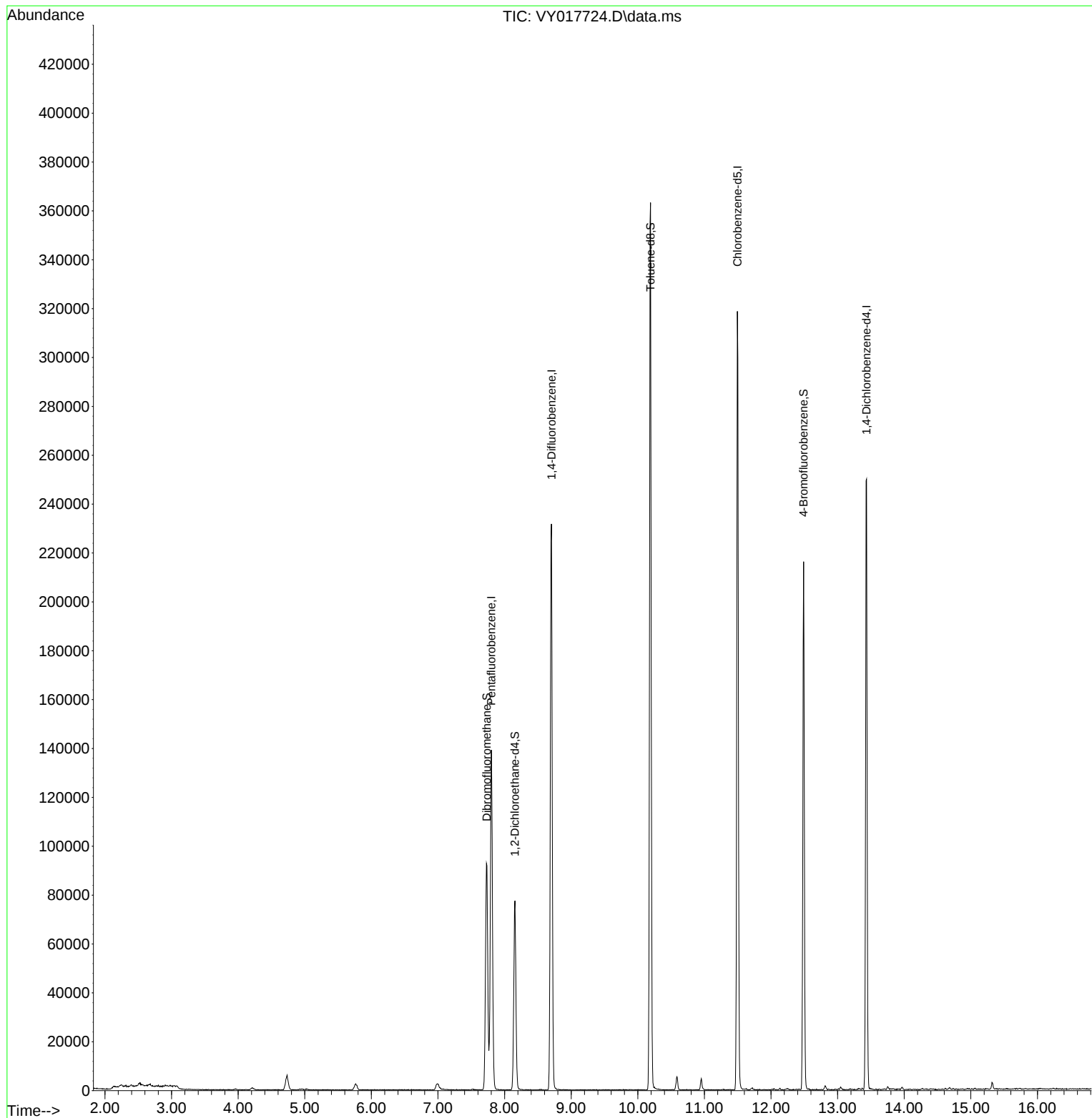
Target Compounds	Qvalue

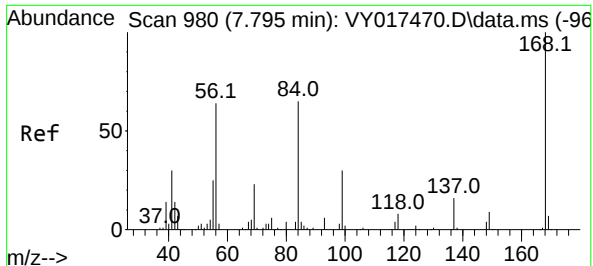
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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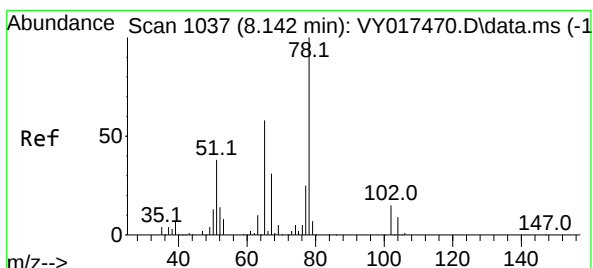
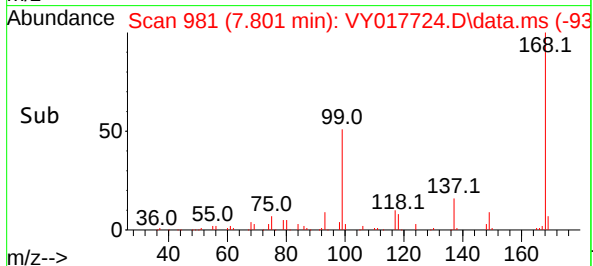
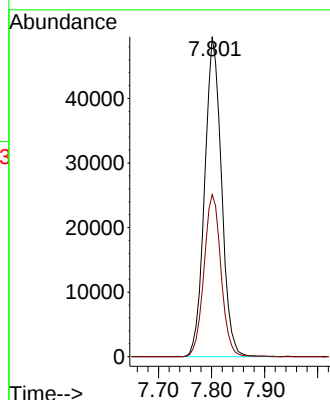
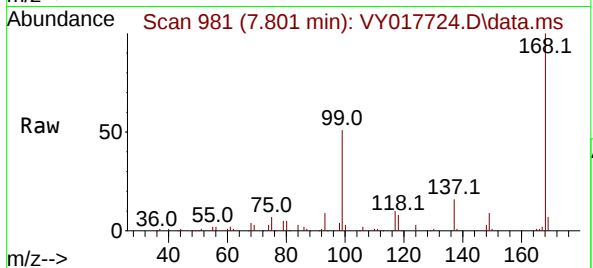




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY017724.D
Acq: 20 Mar 2024 12:02

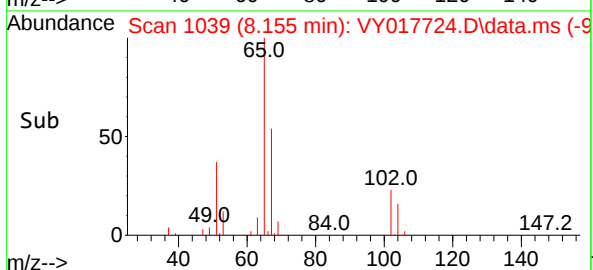
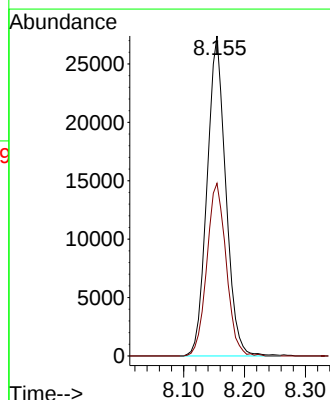
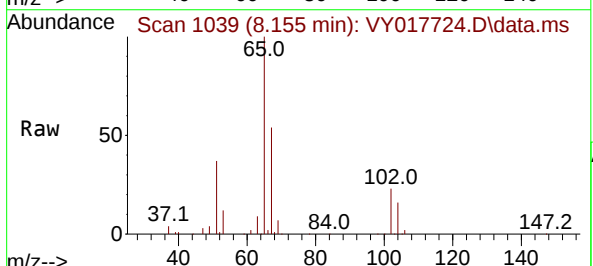
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-03192024-B

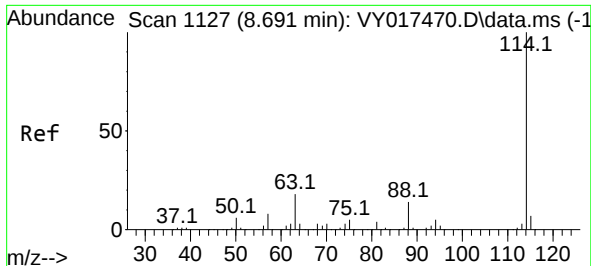
Tgt Ion:168 Resp: 109244
Ion Ratio Lower Upper
168 100
99 50.6 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 56.465 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.012 min
Lab File: VY017724.D
Acq: 20 Mar 2024 12:02

Tgt Ion: 65 Resp: 58460
Ion Ratio Lower Upper
65 100
67 55.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1127

Delta R.T. 0.012 min

Lab File: VY017724.D

Acq: 20 Mar 2024 12:02

Instrument :

MSVOA_Y

ClientSampleId :

JC-03-03192024-B

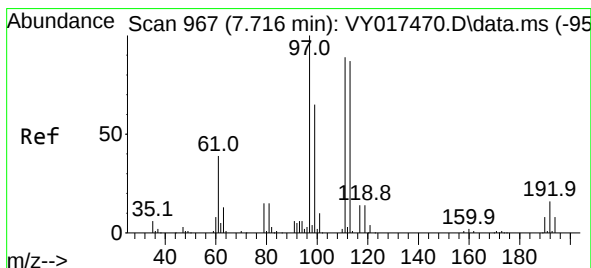
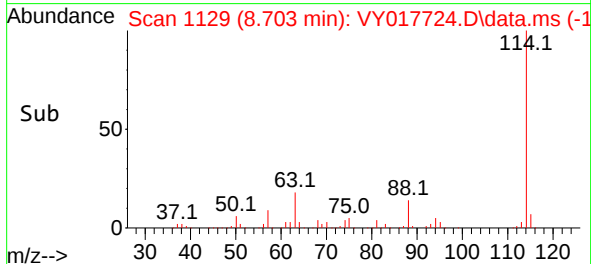
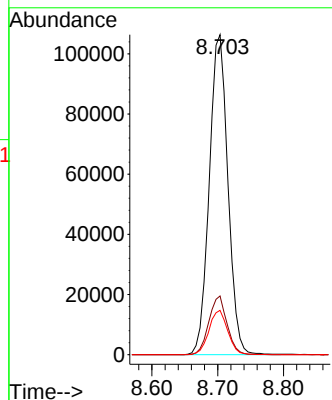
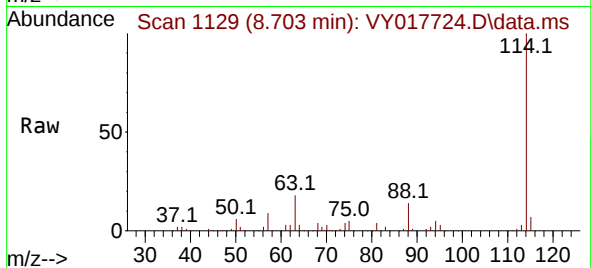
Tgt Ion:114 Resp: 209690

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

88 13.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 46.557 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.018 min

Lab File: VY017724.D

Acq: 20 Mar 2024 12:02

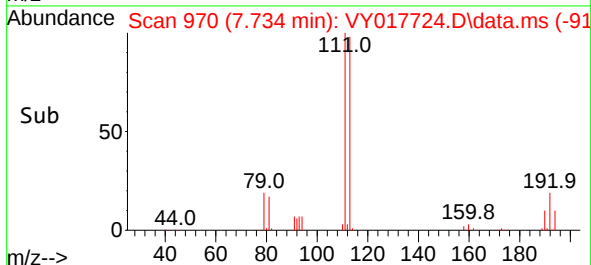
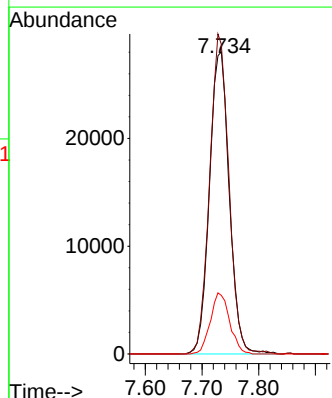
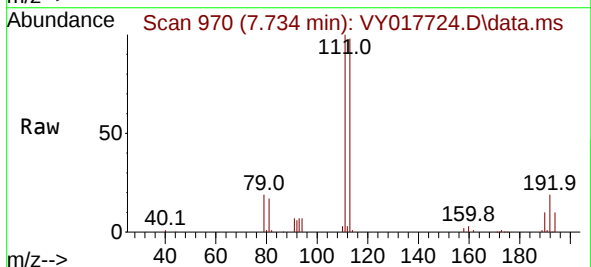
Tgt Ion:113 Resp: 68028

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

192 19.7 15.9 23.9

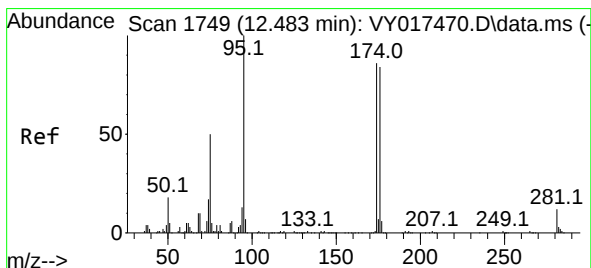
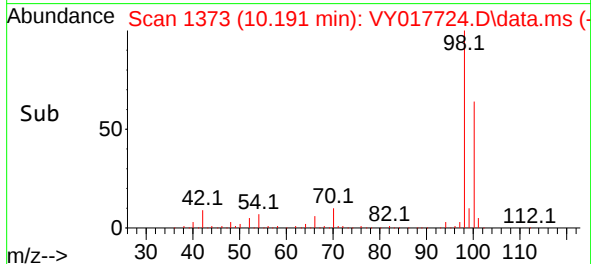
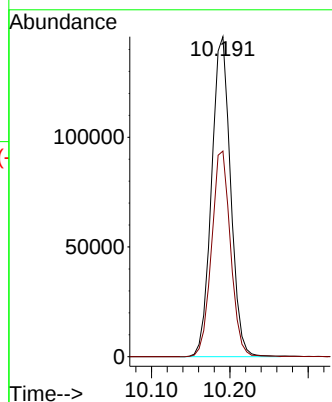
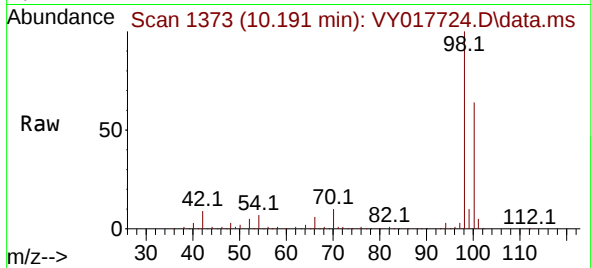




#50
Toluene-d8
Concen: 48.041 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017724.D
Acq: 20 Mar 2024 12:02

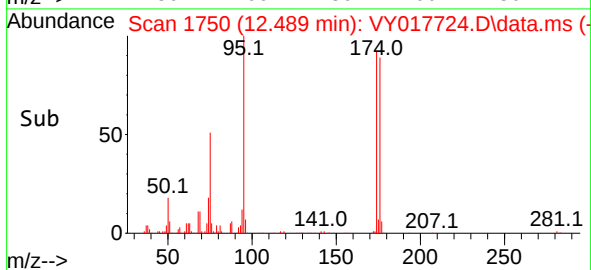
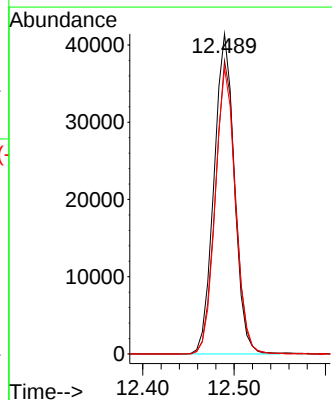
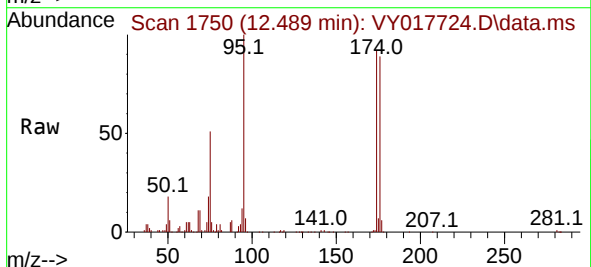
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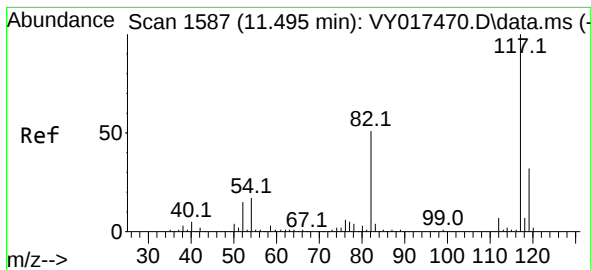
Tgt Ion: 98 Resp: 245435
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 39.880 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017724.D
Acq: 20 Mar 2024 12:02

Tgt Ion: 95 Resp: 64031
Ion Ratio Lower Upper
95 100
174 91.1 0.0 175.6
176 88.7 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: VY017724.D

Acq: 20 Mar 2024 12:02

Instrument :

MSVOA_Y

ClientSampleId :

JC-03-03192024-B

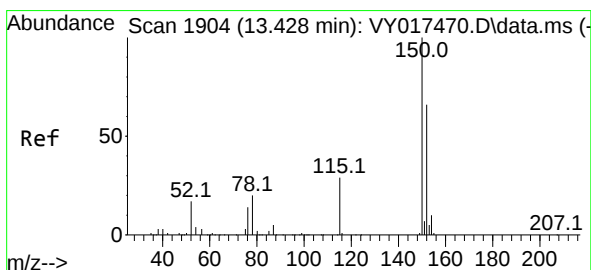
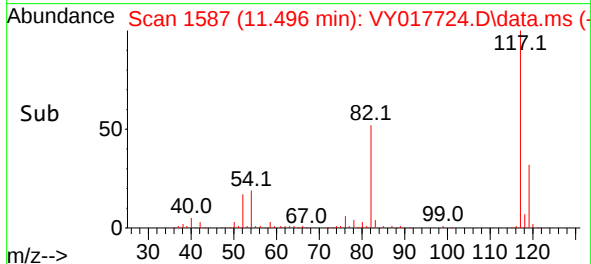
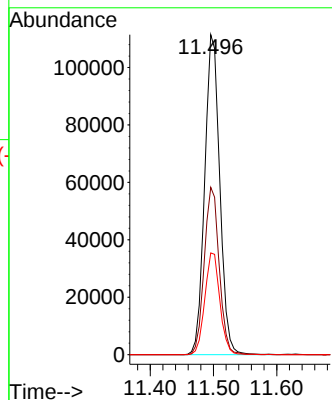
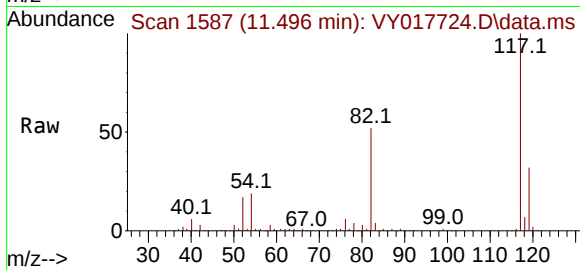
Tgt Ion:117 Resp: 185235

Ion Ratio Lower Upper

117 100

82 52.3 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. 0.006 min

Lab File: VY017724.D

Acq: 20 Mar 2024 12:02

Tgt Ion:152 Resp: 67639

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.7

150 156.8 0.0 345.6

