

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031824\
 Data File : VY017694.D
 Acq On : 18 Mar 2024 17:24
 Operator : SY/MD
 Sample : P1764-04
 Misc : 5.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAB-4

Quant Time: Mar 19 04:11:17 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	7.795	168	112020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	204216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	179178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	63262	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	55158	51.955	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.920%
35) Dibromofluoromethane	7.722	113	66868	46.990	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.980%
50) Toluene-d8	10.185	98	234071	47.045	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.080%
62) 4-Bromofluorobenzene	12.489	95	59832	38.264	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.520%

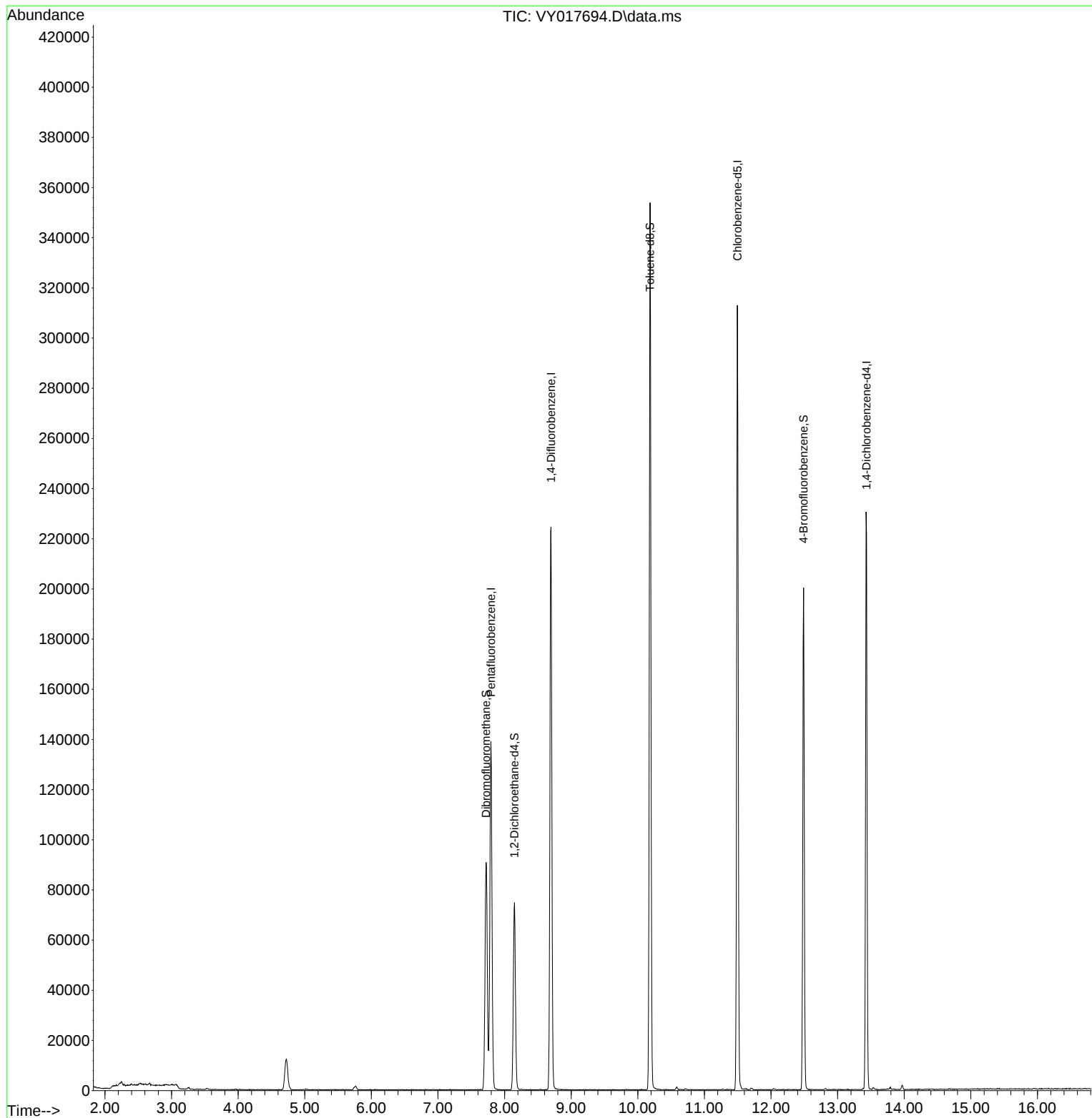
Target Compounds	Qvalue

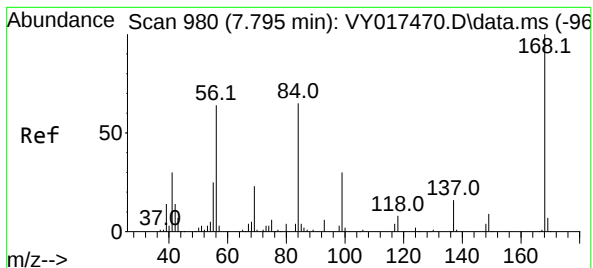
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY017694.D

Acq: 18 Mar 2024 17:24

Instrument :

MSVOA_Y

ClientSampleId :

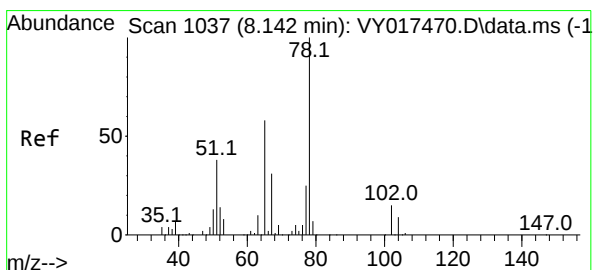
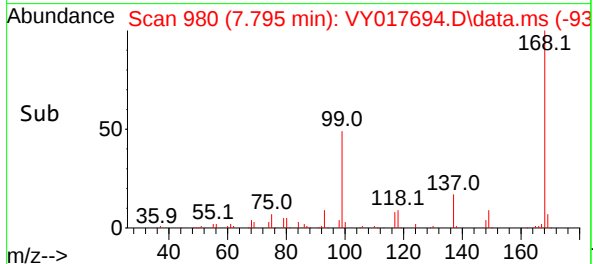
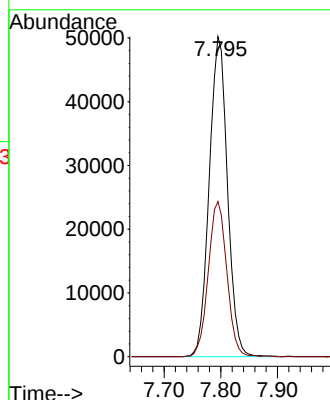
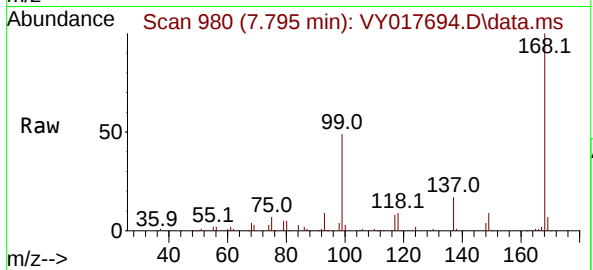
GRAB-4

Tgt Ion:168 Resp: 112020

Ion Ratio Lower Upper

168 100

99 48.5 39.1 58.7



#33

1,2-Dichloroethane-d4

Concen: 51.955 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.006 min

Lab File: VY017694.D

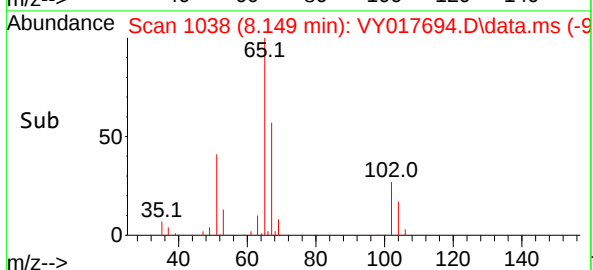
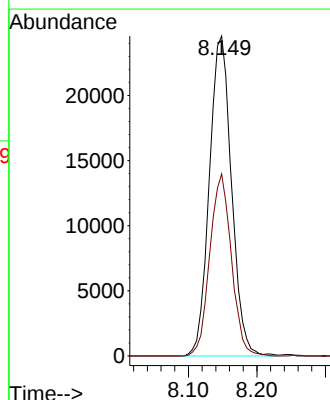
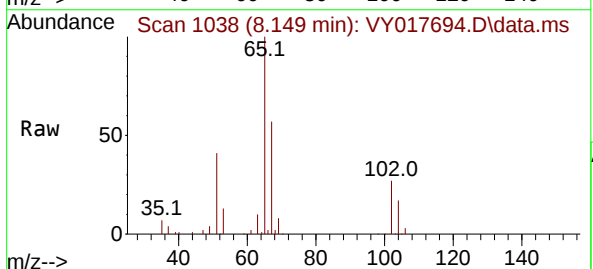
Acq: 18 Mar 2024 17:24

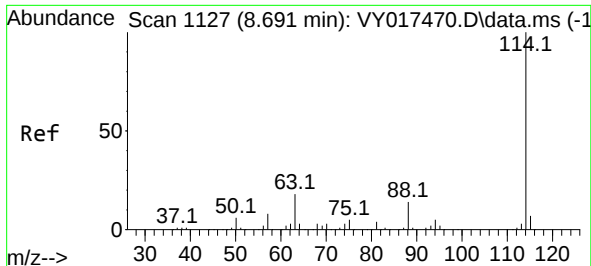
Tgt Ion: 65 Resp: 55158

Ion Ratio Lower Upper

65 100

67 55.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY017694.D

Acq: 18 Mar 2024 17:24

Instrument :

MSVOA_Y

ClientSampleId :

GRAB-4

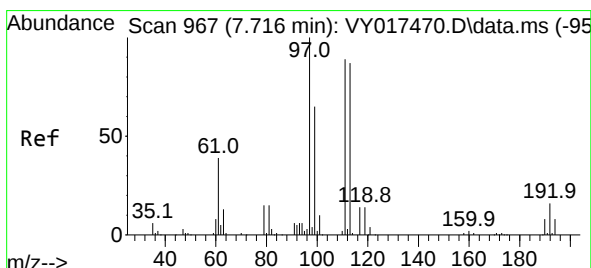
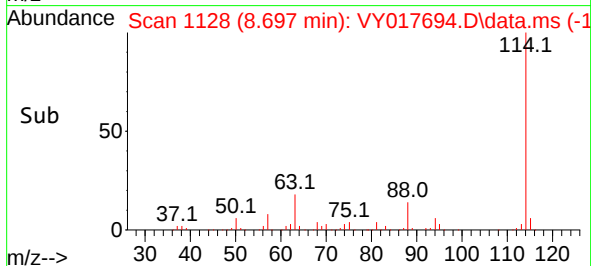
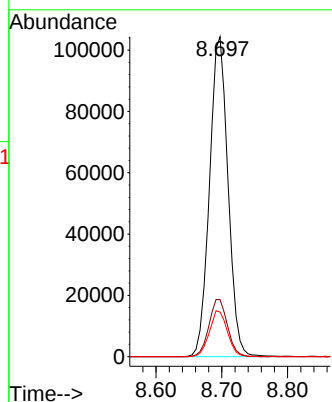
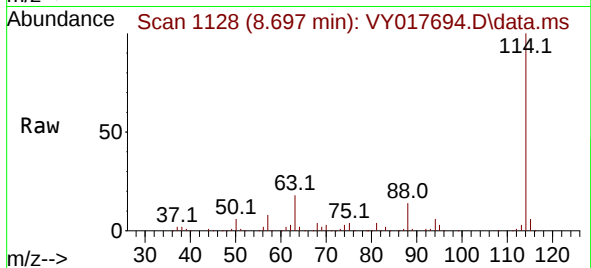
Tgt Ion:114 Resp: 204216

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.0

88 14.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 46.990 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY017694.D

Acq: 18 Mar 2024 17:24

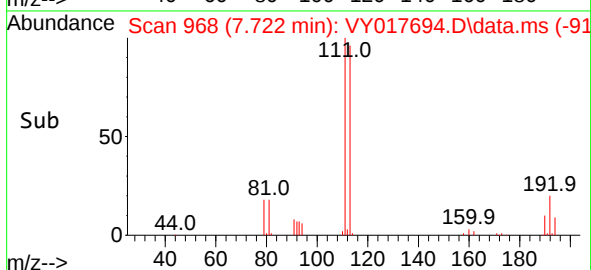
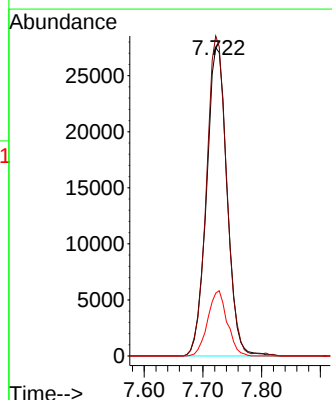
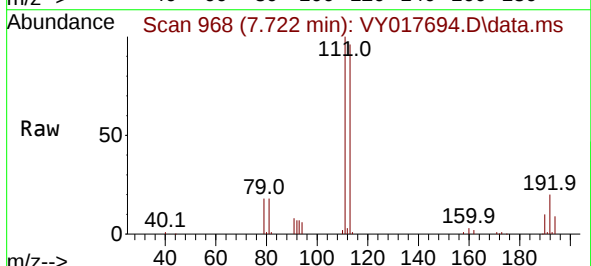
Tgt Ion:113 Resp: 66868

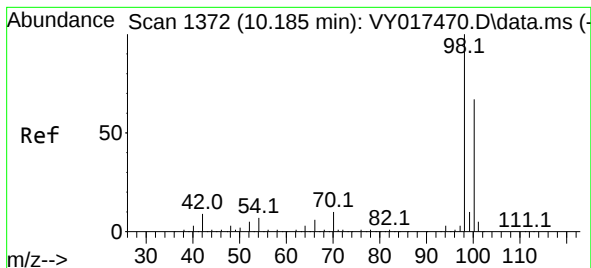
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

192 20.0 15.9 23.9





#50

Toluene-d8

Concen: 47.045 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017694.D

Acq: 18 Mar 2024 17:24

Instrument :

MSVOA_Y

ClientSampleId :

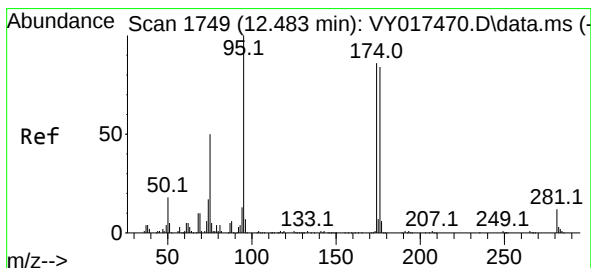
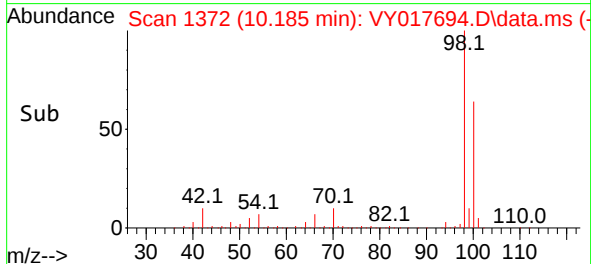
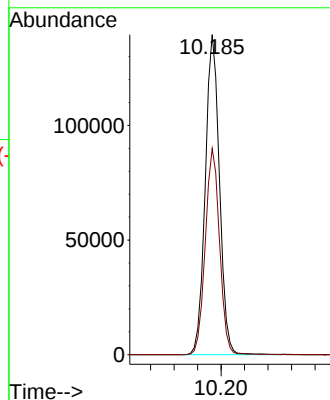
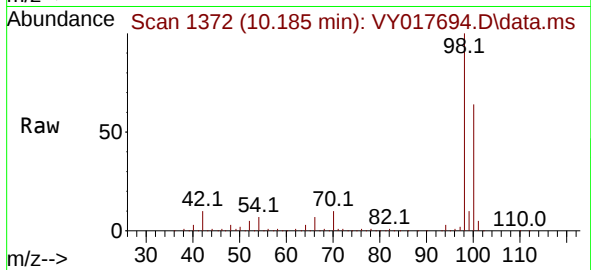
GRAB-4

Tgt Ion: 98 Resp: 234071

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 38.264 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY017694.D

Acq: 18 Mar 2024 17:24

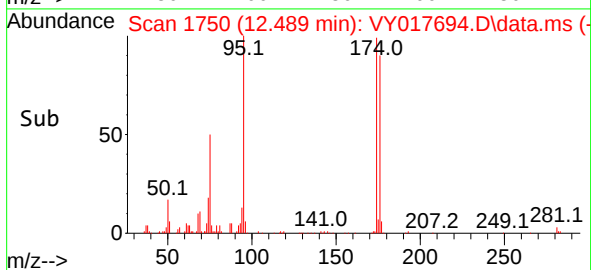
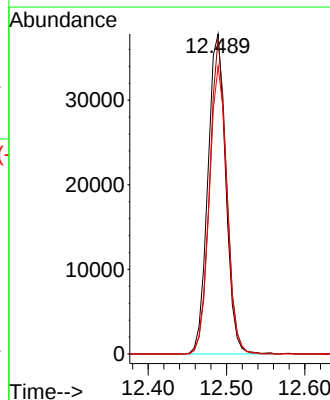
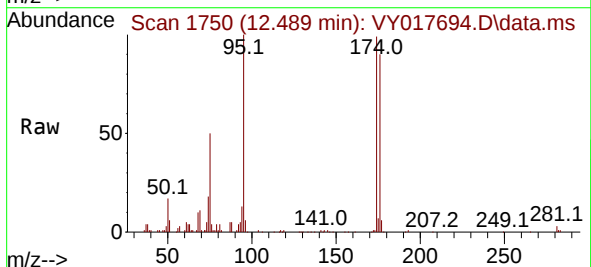
Tgt Ion: 95 Resp: 59832

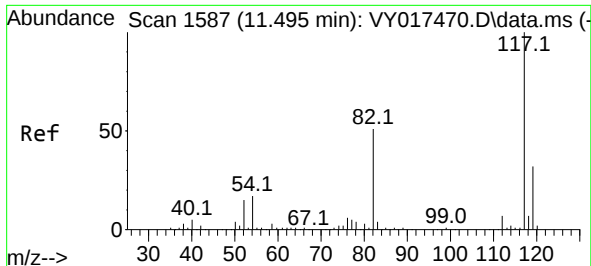
Ion Ratio Lower Upper

95 100

174 94.2 0.0 175.6

176 89.3 0.0 171.4

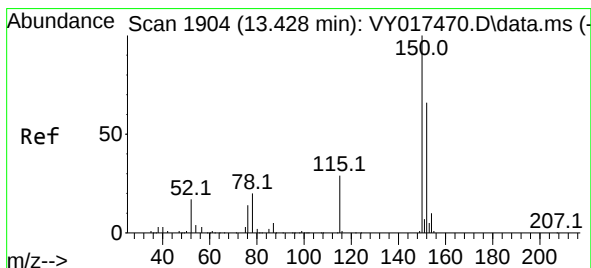
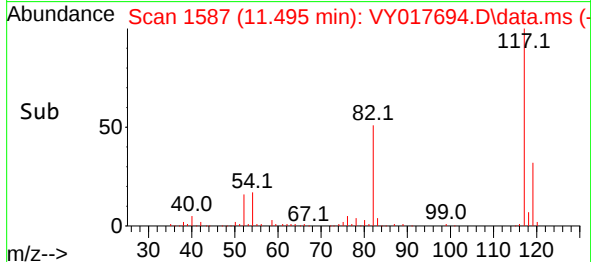
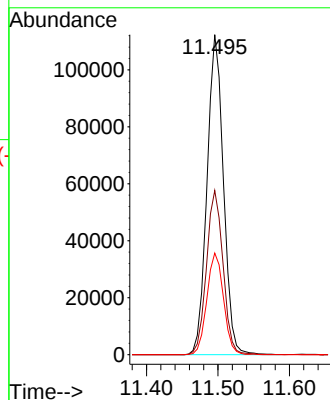
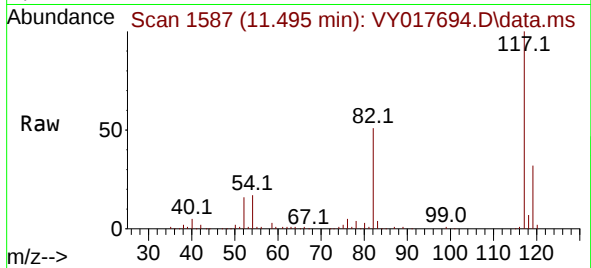




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017694.D
Acq: 18 Mar 2024 17:24

Instrument :
MSVOA_Y
ClientSampleId :
GRAB-4

Tgt Ion:117 Resp: 179178
Ion Ratio Lower Upper
117 100
82 51.3 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: VY017694.D
Acq: 18 Mar 2024 17:24

Tgt Ion:152 Resp: 63262
Ion Ratio Lower Upper
152 100
115 54.9 28.2 84.7
150 155.4 0.0 345.6

