

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060223\
 Data File : VY013984.D
 Acq On : 02 Jun 2023 12:59
 Operator : KP/MD
 Sample : 03002-04
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB04

Quant Time: Jun 03 04:59:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	1999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	3448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	3666	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	732	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	2107	79.623	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	159.240%
35) Dibromofluoromethane	7.716	113	1453	66.309	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	132.620%
50) Toluene-d8	10.179	98	4135	49.472	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.940%
62) 4-Bromofluorobenzene	12.477	95	1059	37.164	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.320%

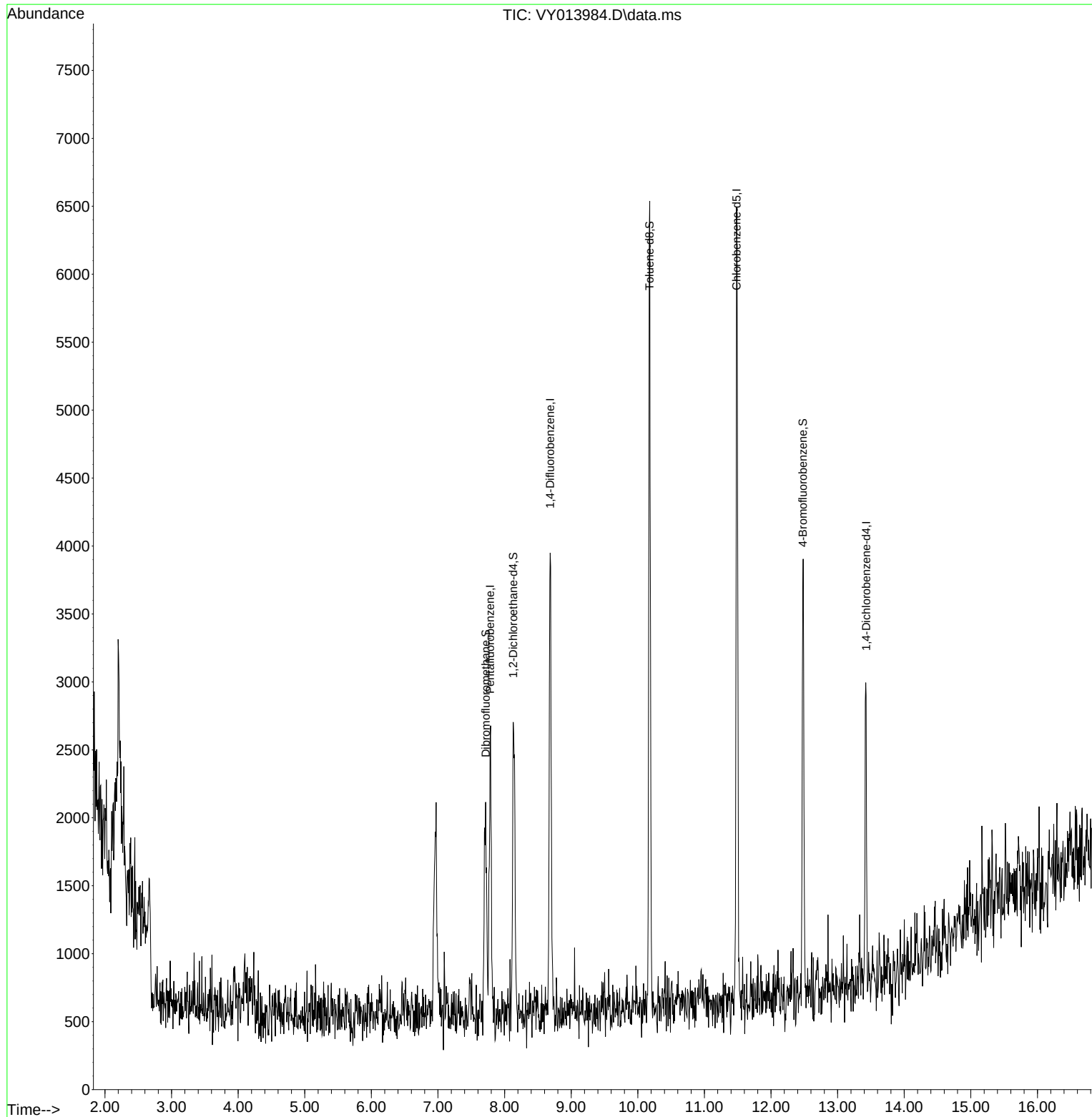
Target Compounds	Qvalue

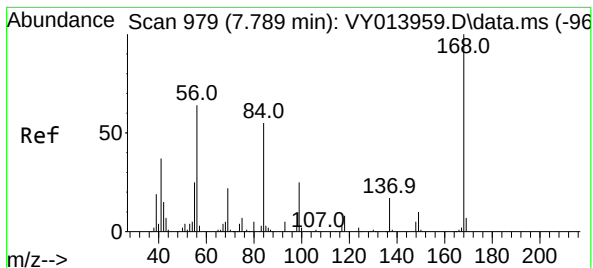
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.006 min

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Instrument :

MSVOA_Y

ClientSampleId :

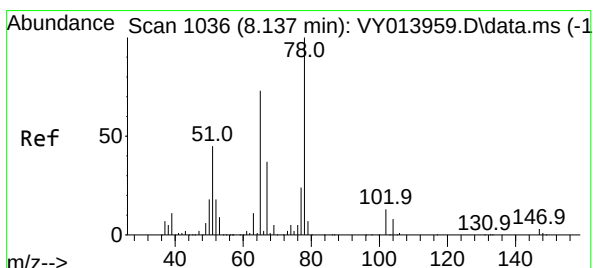
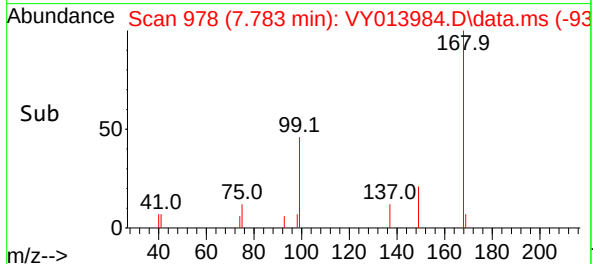
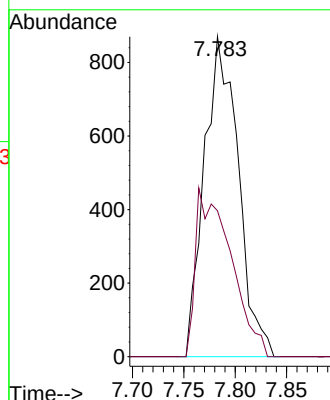
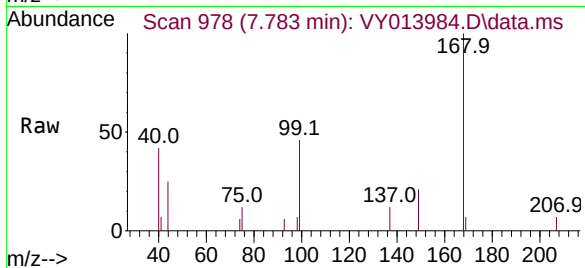
SB04

Tgt Ion:168 Resp: 1999

Ion Ratio Lower Upper

168 100

99 45.6 43.4 65.0



#33

1,2-Dichloroethane-d4

Concen: 79.623 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. -0.006 min

Lab File: VY013984.D

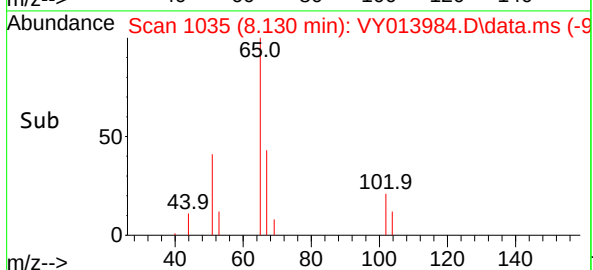
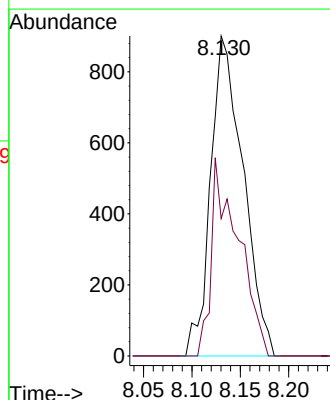
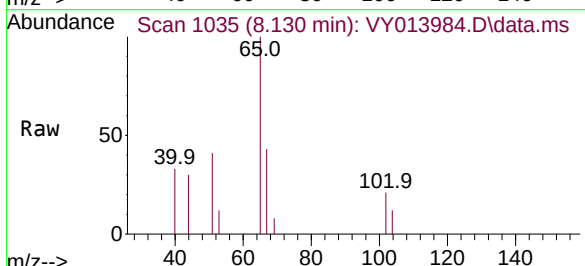
Acq: 02 Jun 2023 12:59

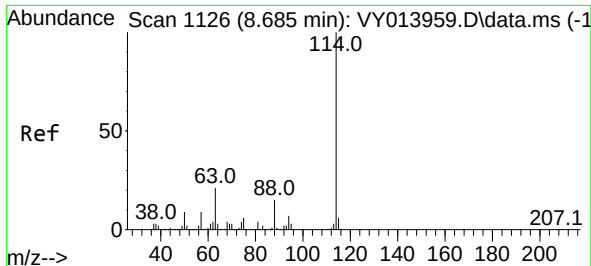
Tgt Ion: 65 Resp: 2107

Ion Ratio Lower Upper

65 100

67 51.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY013984.D

Acq: 02 Jun 2023 12:59

Instrument :

MSVOA_Y

ClientSampleId :

SB04

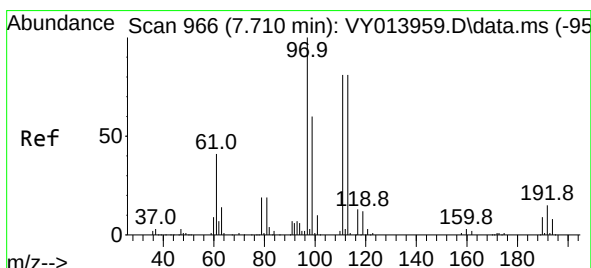
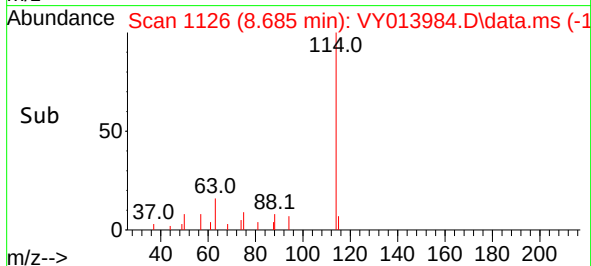
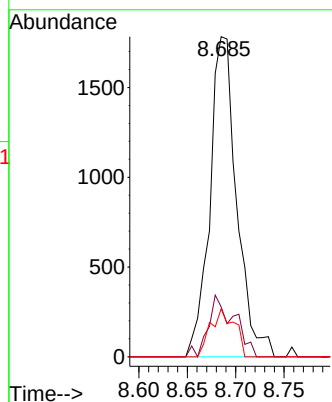
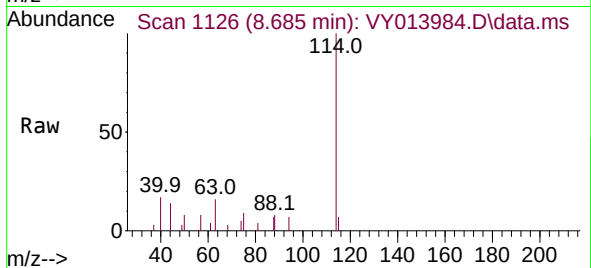
Tgt Ion:114 Resp: 3448

Ion Ratio Lower Upper

114 100

63 15.6 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 66.309 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY013984.D

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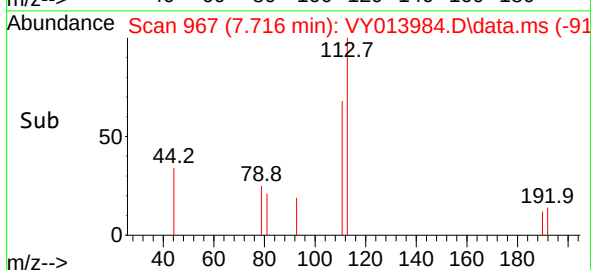
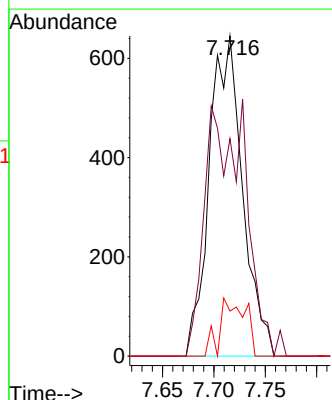
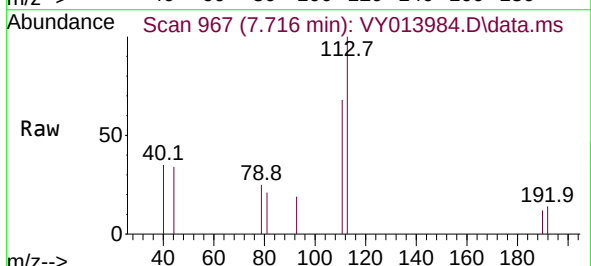
Tgt Ion:113 Resp: 1453

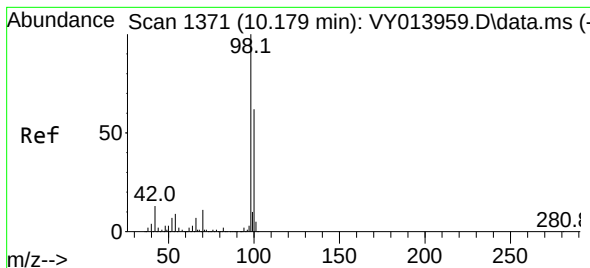
Ion Ratio Lower Upper

113 100

111 47.0 81.3 121.9#

192 13.9 16.9 25.3#





#50

Toluene-d8

Concen: 49.472 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013984.D

Acq: 02 Jun 2023 12:59

Instrument :

MSVOA_Y

ClientSampleId :

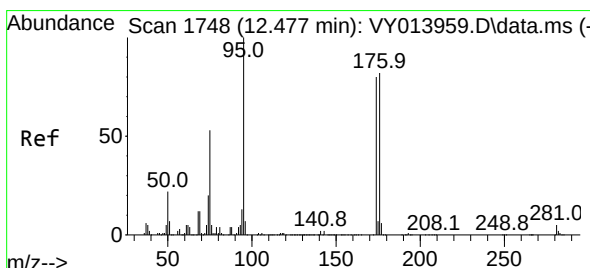
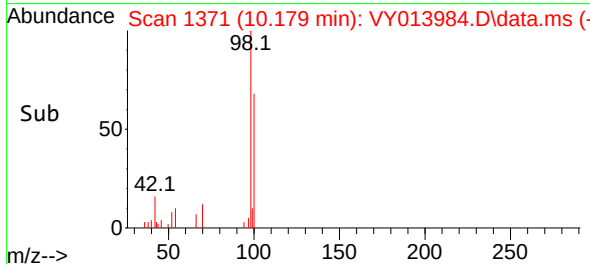
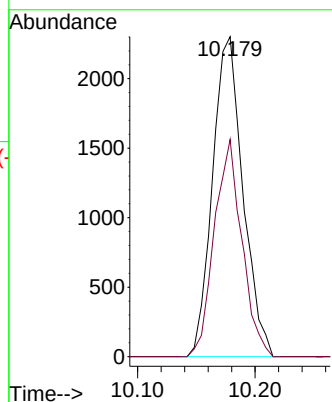
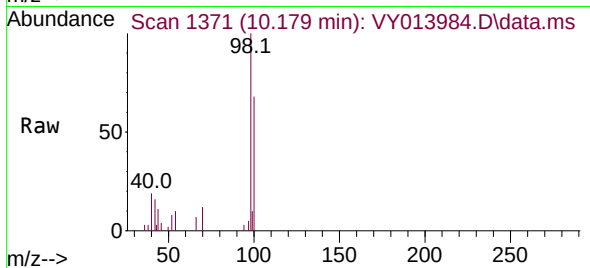
SB04

Tgt Ion: 98 Resp: 4135

Ion Ratio Lower Upper

98 100

100 61.6 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 37.164 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY013984.D

Acq: 02 Jun 2023 12:59

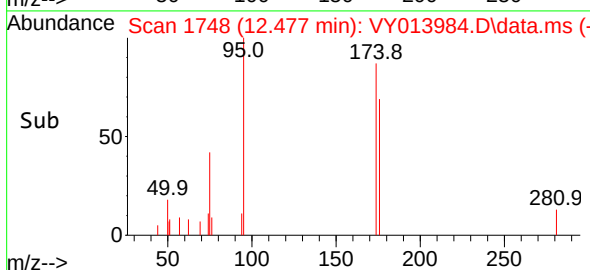
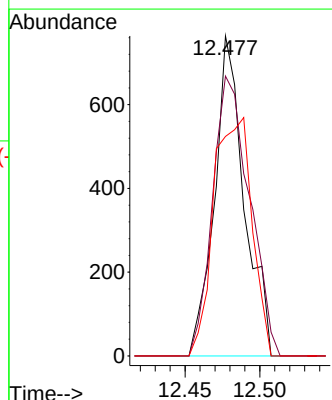
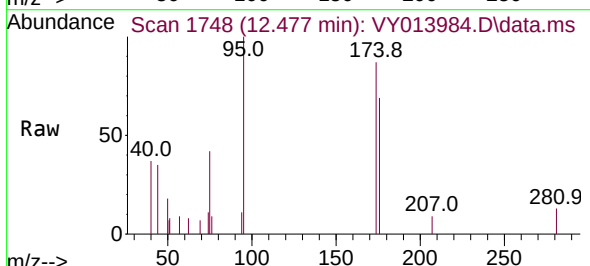
Tgt Ion: 95 Resp: 1059

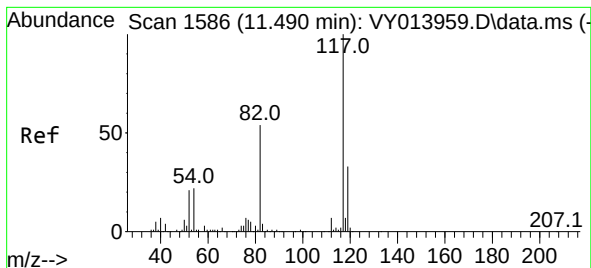
Ion Ratio Lower Upper

95 100

174 108.2 0.0 178.2

176 95.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013984.D

Acq: 02 Jun 2023 12:59

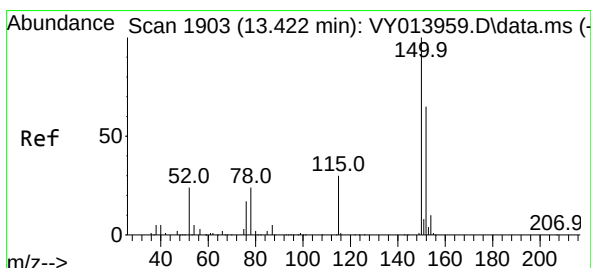
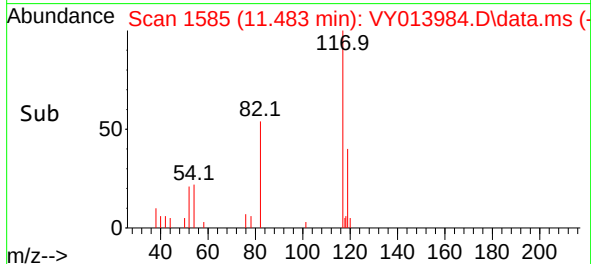
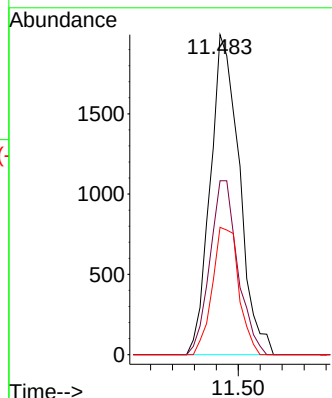
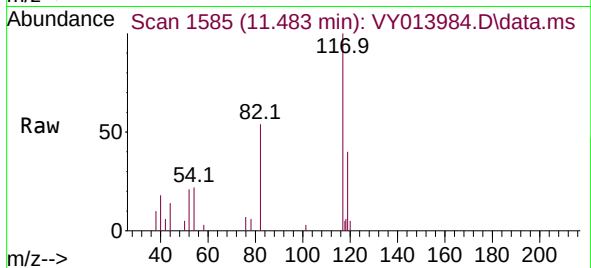
Instrument :

MSVOA_Y

ClientSampleId :

SB04

Tgt Ion:117	Resp:	3666
Ion	Ratio	Lower Upper
117	100	
82	54.3	43.4 65.0
119	39.8	26.3 39.5#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013984.D

Acq: 02 Jun 2023 12:59

Tgt Ion:152	Resp:	732
Ion	Ratio	Lower Upper
152	100	
115	53.3	28.8 86.5
150	171.6	0.0 348.8

