

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032023\
 Data File : VY013011.D
 Acq On : 20 Mar 2023 16:27
 Operator : KP/MD
 Sample : 01998-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BRAOD-CHANNEL-SUBSTATION-TP1

Quant Time: Mar 21 01:14:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	17876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	28204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	22148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	9486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	11899	67.042	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.080%
35) Dibromofluoromethane	7.716	113	10623	62.411	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	124.820%
50) Toluene-d8	10.179	98	32977	52.996	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.000%
62) 4-Bromofluorobenzene	12.483	95	8692	41.385	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	82.780%

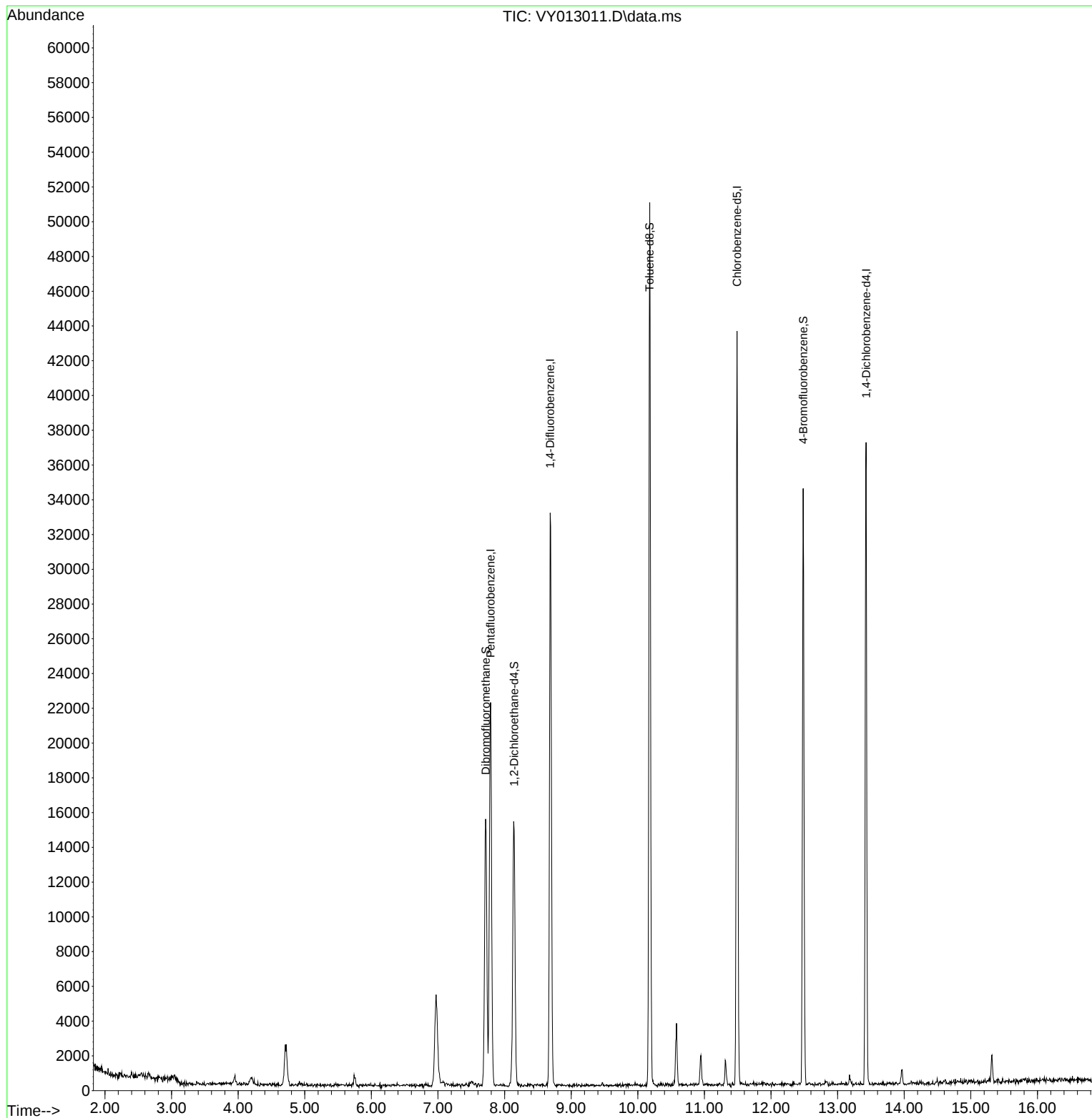
Target Compounds	Qvalue

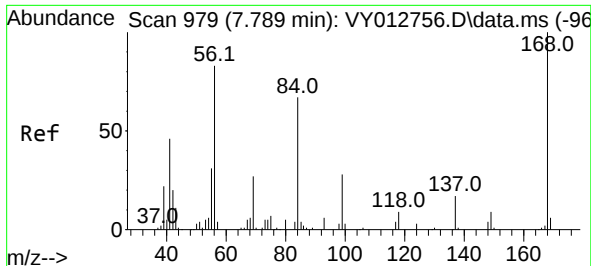
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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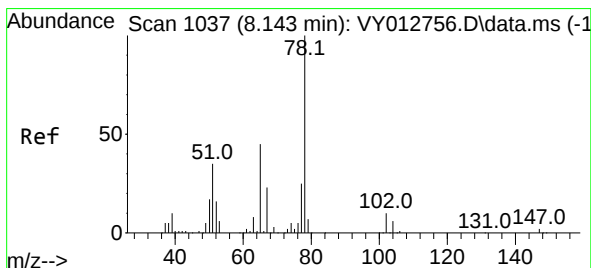
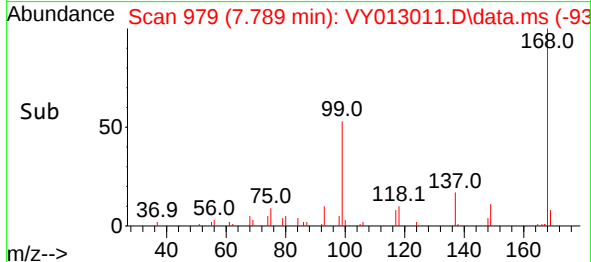
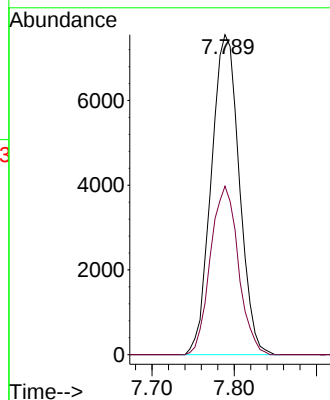
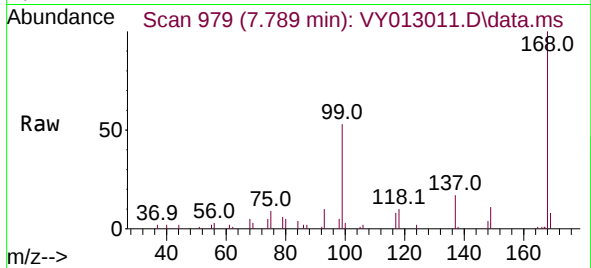




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013011.D
Acq: 20 Mar 2023 16:27

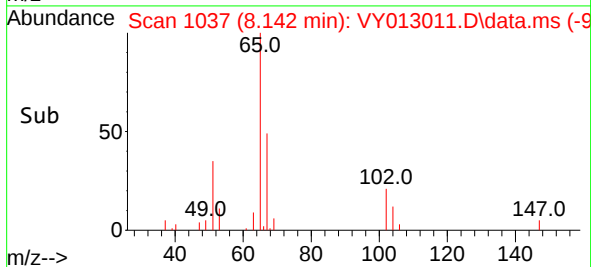
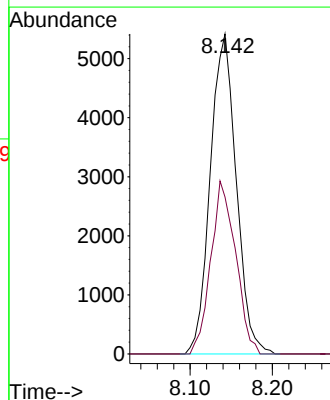
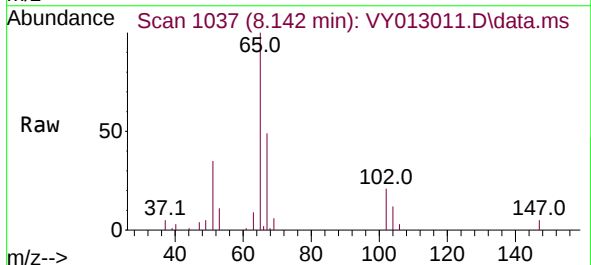
Instrument :
MSVOA_Y
ClientSampleId :
BRAOD-CHANNEL-SUBSTATION-TP1

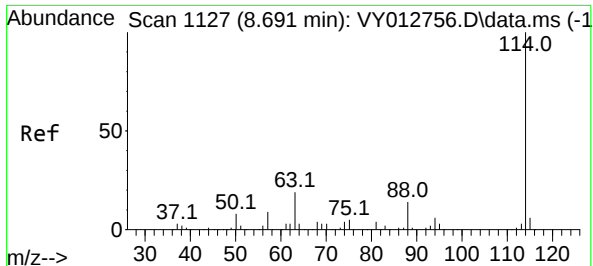
Tgt Ion:168 Resp: 17876
Ion Ratio Lower Upper
168 100
99 52.6 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 67.042 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY013011.D
Acq: 20 Mar 2023 16:27

Tgt Ion: 65 Resp: 11899
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013011.D

Acq: 20 Mar 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

BRAOD-CHANNEL-SUBSTATION-TP1

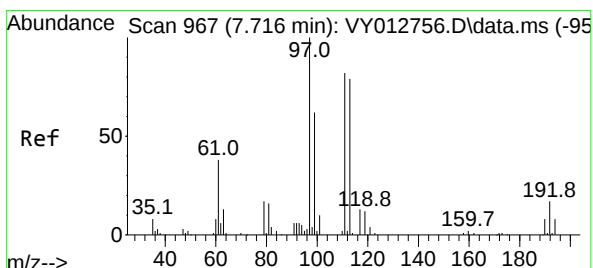
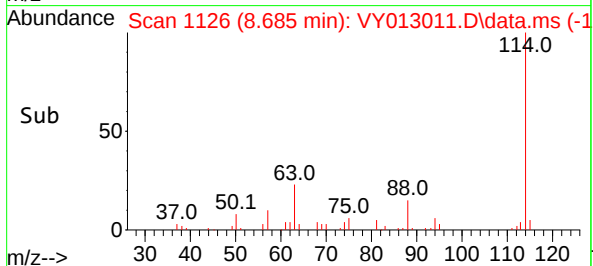
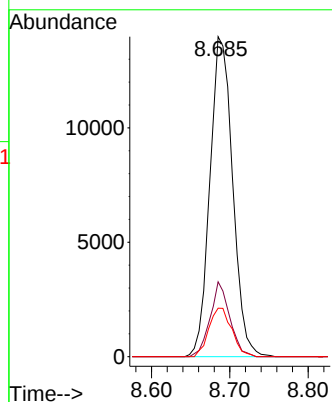
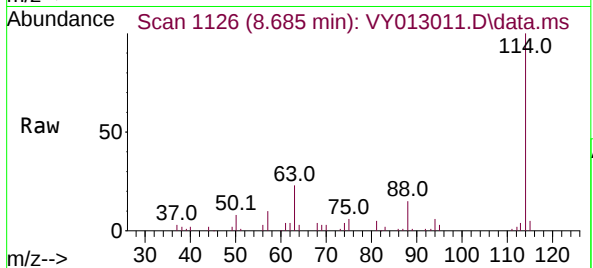
Tgt Ion:114 Resp: 28204

Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.4

88 15.2 0.0 28.6



#35

Dibromofluoromethane

Concen: 62.411 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013011.D

Acq: 20 Mar 2023 16:27

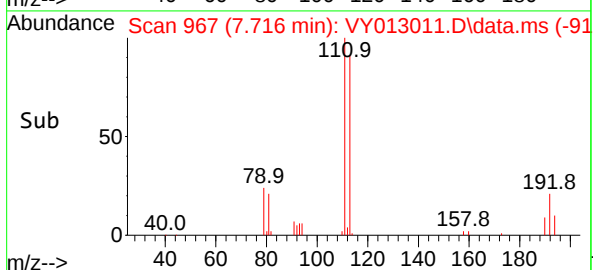
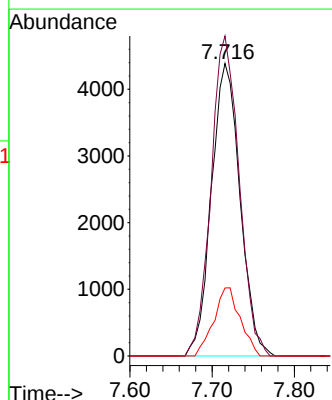
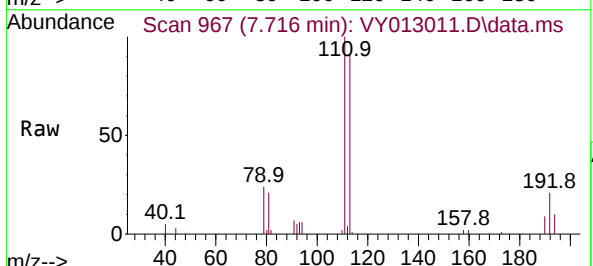
Tgt Ion:113 Resp: 10623

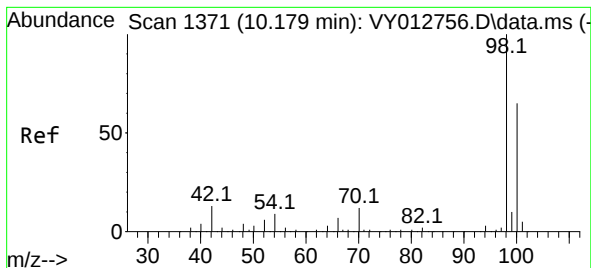
Ion Ratio Lower Upper

113 100

111 107.3 82.2 123.2

192 21.5 16.8 25.2





#50

Toluene-d8

Concen: 52.996 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013011.D

Acq: 20 Mar 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

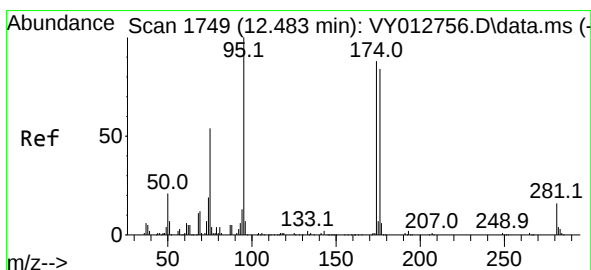
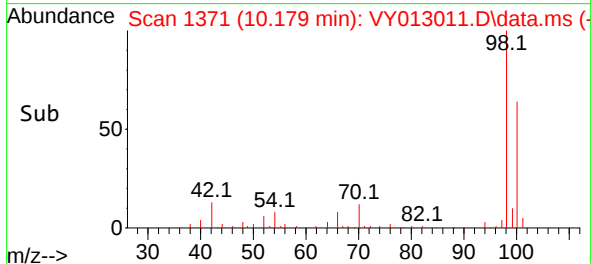
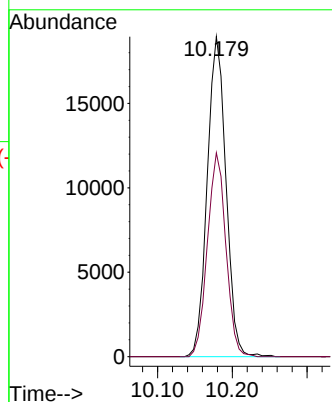
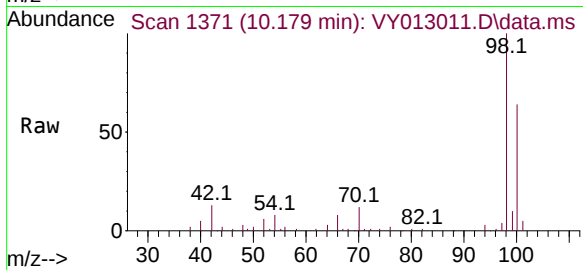
BRAOD-CHANNEL-SUBSTATION-TP1

Tgt Ion: 98 Resp: 32977

Ion Ratio Lower Upper

98 100

100 62.8 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 41.385 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY013011.D

Acq: 20 Mar 2023 16:27

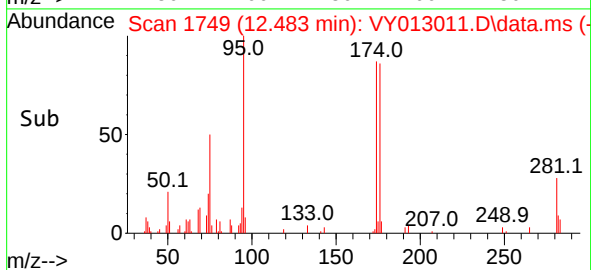
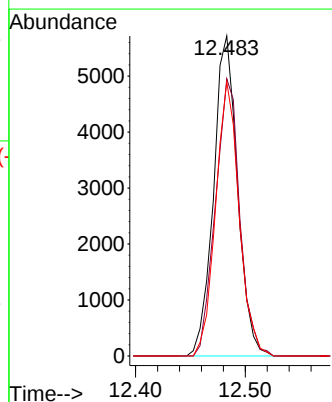
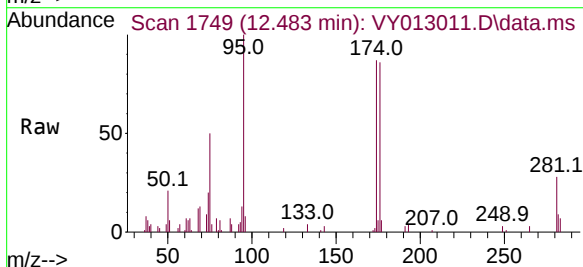
Tgt Ion: 95 Resp: 8692

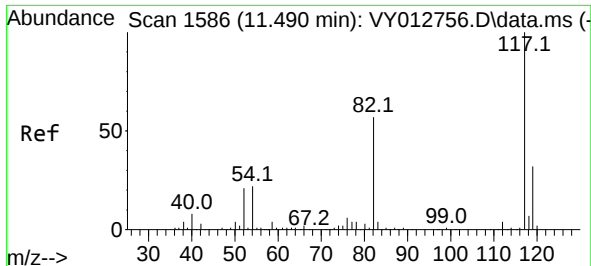
Ion Ratio Lower Upper

95 100

174 87.6 0.0 176.6

176 83.7 0.0 170.2

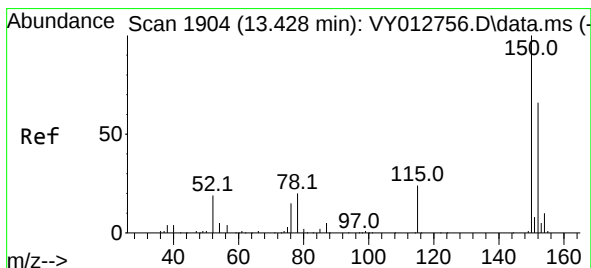
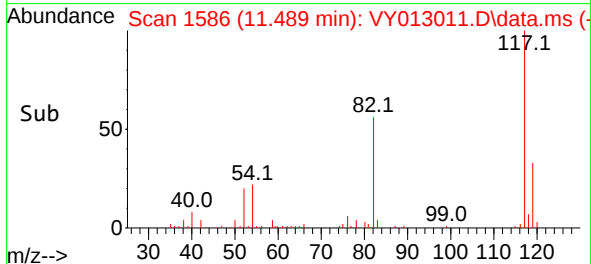
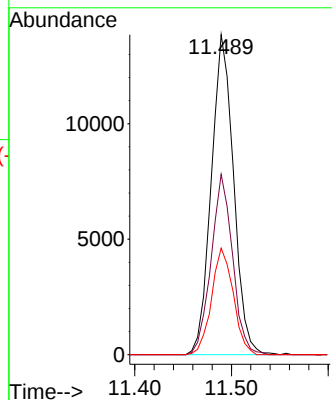
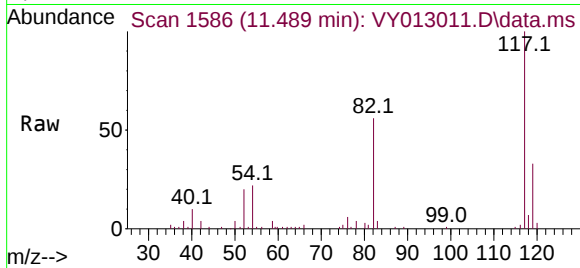




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013011.D
Acq: 20 Mar 2023 16:27

Instrument :
MSVOA_Y
ClientSampleId :
BRAOD-CHANNEL-SUBSTATION-TP1

Tgt Ion:	117	Resp:	22148
Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.4	68.0
119	33.3	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY013011.D
Acq: 20 Mar 2023 16:27

Tgt Ion:	152	Resp:	9486
Ion	Ratio	Lower	Upper
152	100		
115	59.7	27.1	81.3
150	162.6	0.0	347.8

