

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032823\
 Data File : VY013116.D
 Acq On : 28 Mar 2023 15:01
 Operator : KP/MD
 Sample : 02111-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 APCS-SOUTH

Quant Time: Mar 29 02:29:30 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	76617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	130665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	123839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	55421	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	52959	69.618	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	139.240%
35) Dibromofluoromethane	7.716	113	46749	59.284	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	118.560%
50) Toluene-d8	10.179	98	162054	56.214	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.420%
62) 4-Bromofluorobenzene	12.483	95	48461	49.805	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.600%

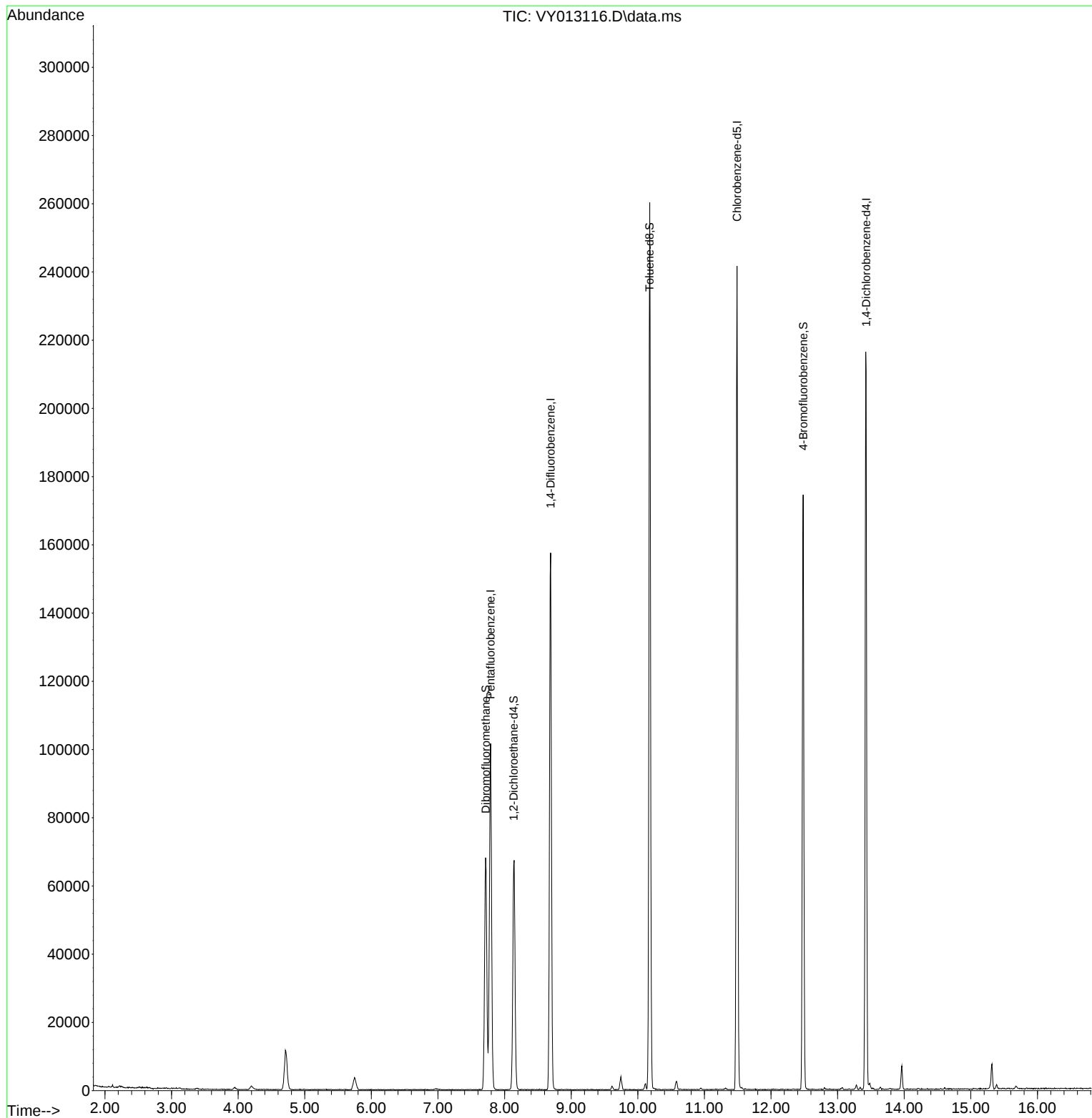
Target Compounds	Qvalue

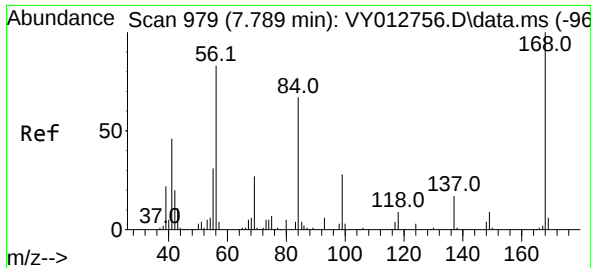
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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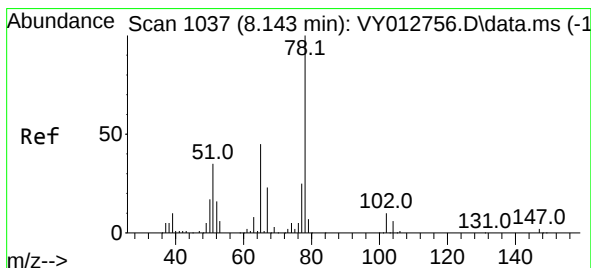
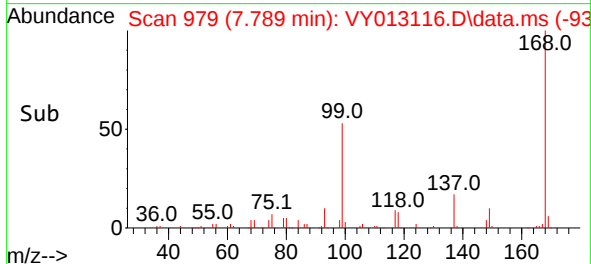
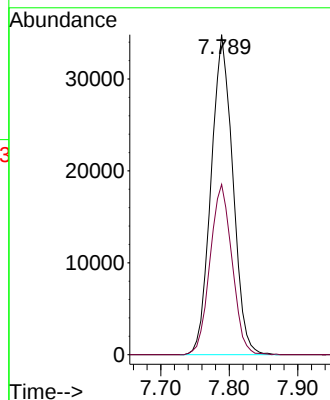
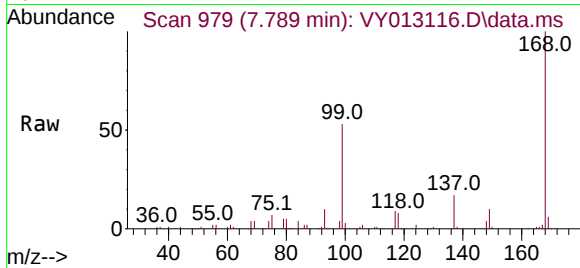




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013116.D
Acq: 28 Mar 2023 15:01

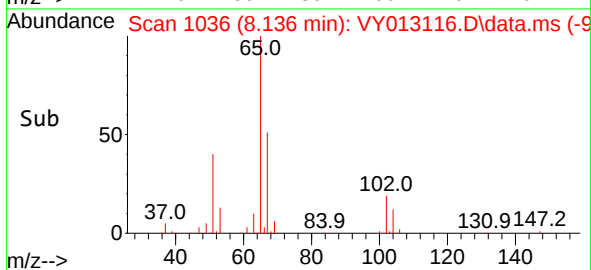
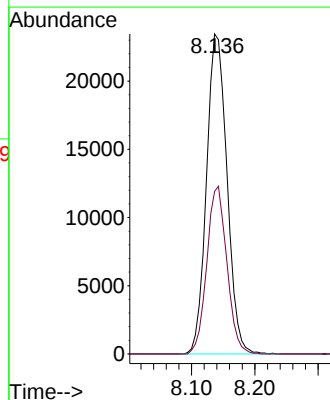
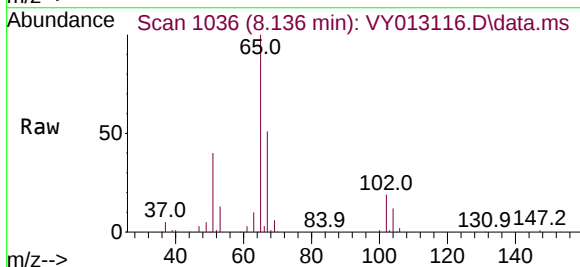
Instrument :
MSVOA_Y
ClientSampleId :
APCS-SOUTH

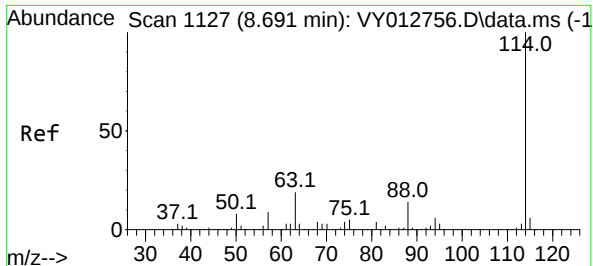
Tgt Ion:168 Resp: 76617
Ion Ratio Lower Upper
168 100
99 53.2 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 69.618 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY013116.D
Acq: 28 Mar 2023 15:01

Tgt Ion: 65 Resp: 52959
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY013116.D

Acq: 28 Mar 2023 15:01

Instrument :

MSVOA_Y

ClientSampleId :

APCS-SOUTH

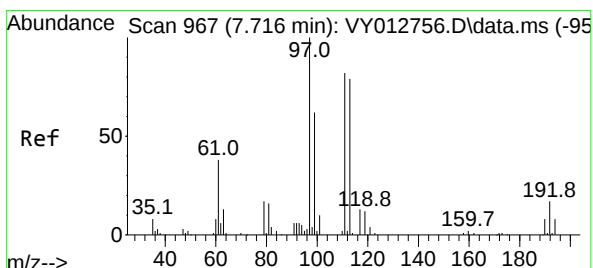
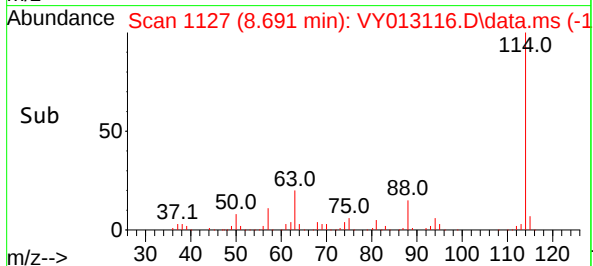
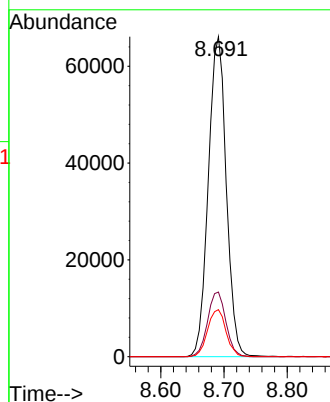
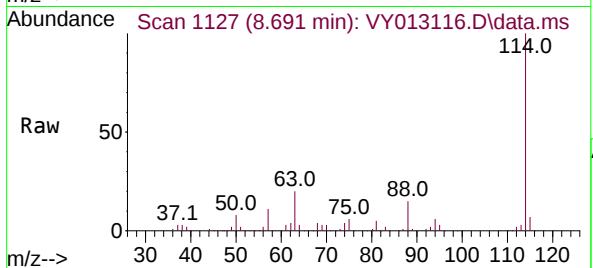
Tgt Ion:114 Resp: 130665

Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 14.7 0.0 28.6



#35

Dibromofluoromethane

Concen: 59.284 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013116.D

Acq: 28 Mar 2023 15:01

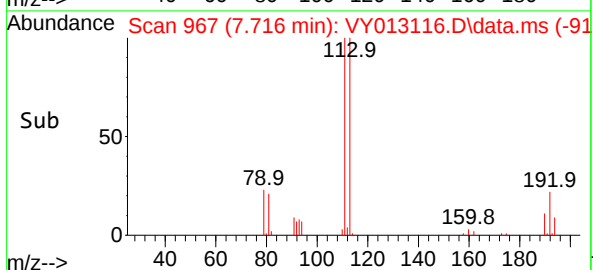
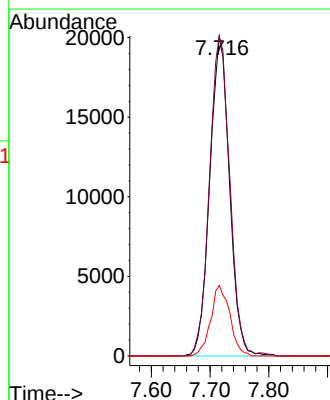
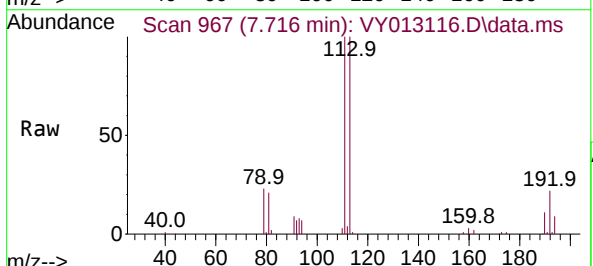
Tgt Ion:113 Resp: 46749

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

192 21.5 16.8 25.2

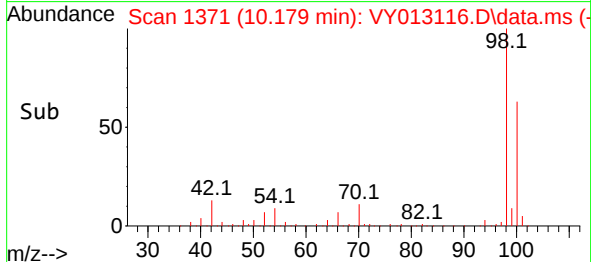
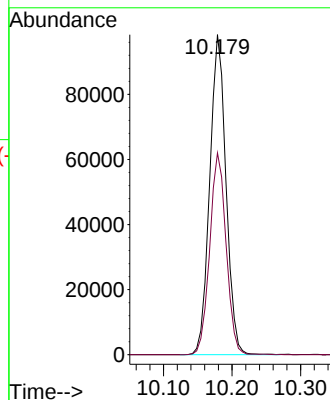
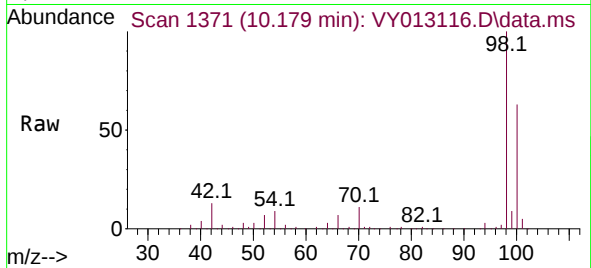




#50
Toluene-d8
Concen: 56.214 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013116.D
Acq: 28 Mar 2023 15:01

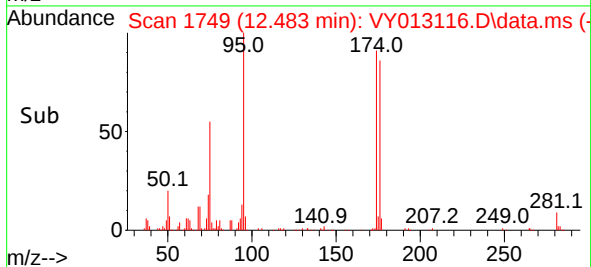
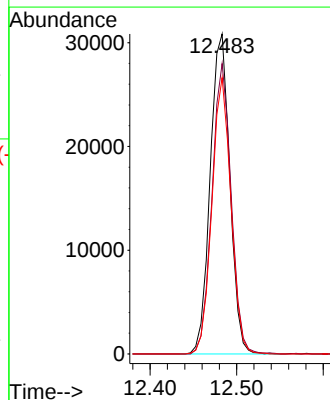
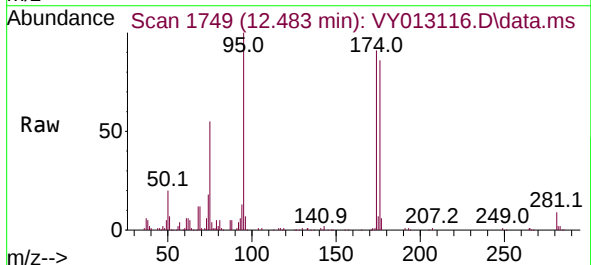
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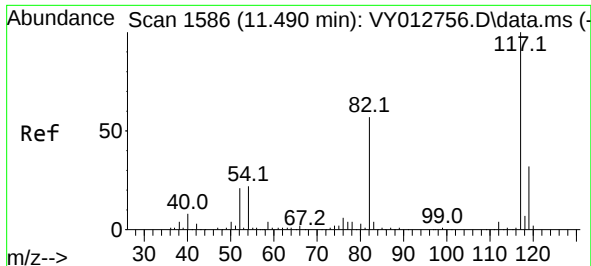
Tgt Ion: 98 Resp: 162054
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 49.805 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013116.D
Acq: 28 Mar 2023 15:01

Tgt Ion: 95 Resp: 48461
Ion Ratio Lower Upper
95 100
174 88.7 0.0 176.6
176 83.7 0.0 170.2

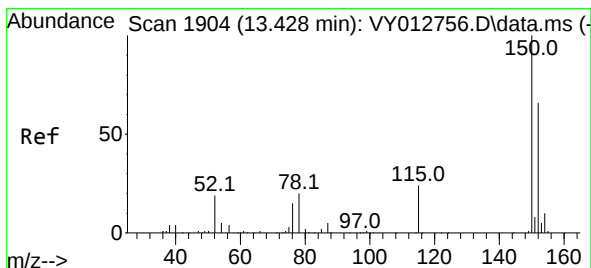
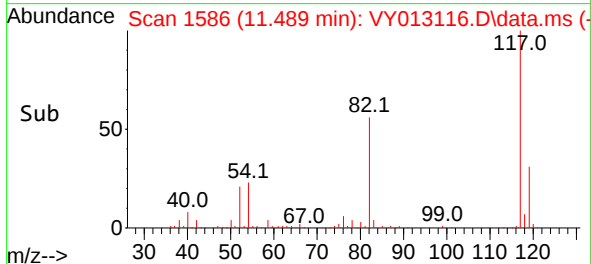
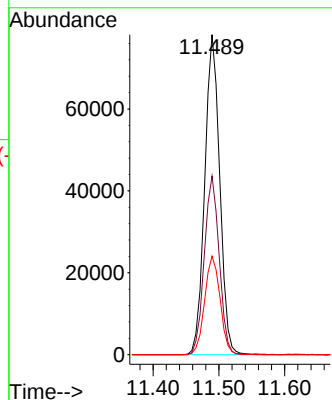
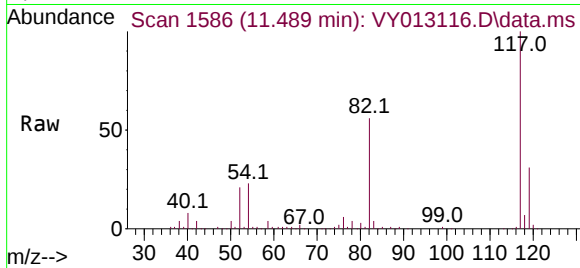




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013116.D
Acq: 28 Mar 2023 15:01

Instrument :
MSVOA_Y
ClientSampleId :
APCS-SOUTH

Tgt Ion:117 Resp: 123839
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.0
119 30.8 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: VY013116.D
Acq: 28 Mar 2023 15:01

Tgt Ion:152 Resp: 55421
Ion Ratio Lower Upper
152 100
115 56.6 27.1 81.3
150 157.1 0.0 347.8

