

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016747.D
 Acq On : 21 Dec 2023 07:54
 Operator : SY/MD
 Sample : 05876-16
 Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COLY1

Quant Time: Dec 21 08:14:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.825	168	113099	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.721	114	339878	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.513	117	380735	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	153834	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	98563	95.463	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	190.920%#
35) Dibromofluoromethane	7.752	113	120589	61.939	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	123.880%
50) Toluene-d8	10.209	98	447473	63.757	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	127.520%
62) 4-Bromofluorobenzene	12.507	95	163039	71.603	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	143.200%#

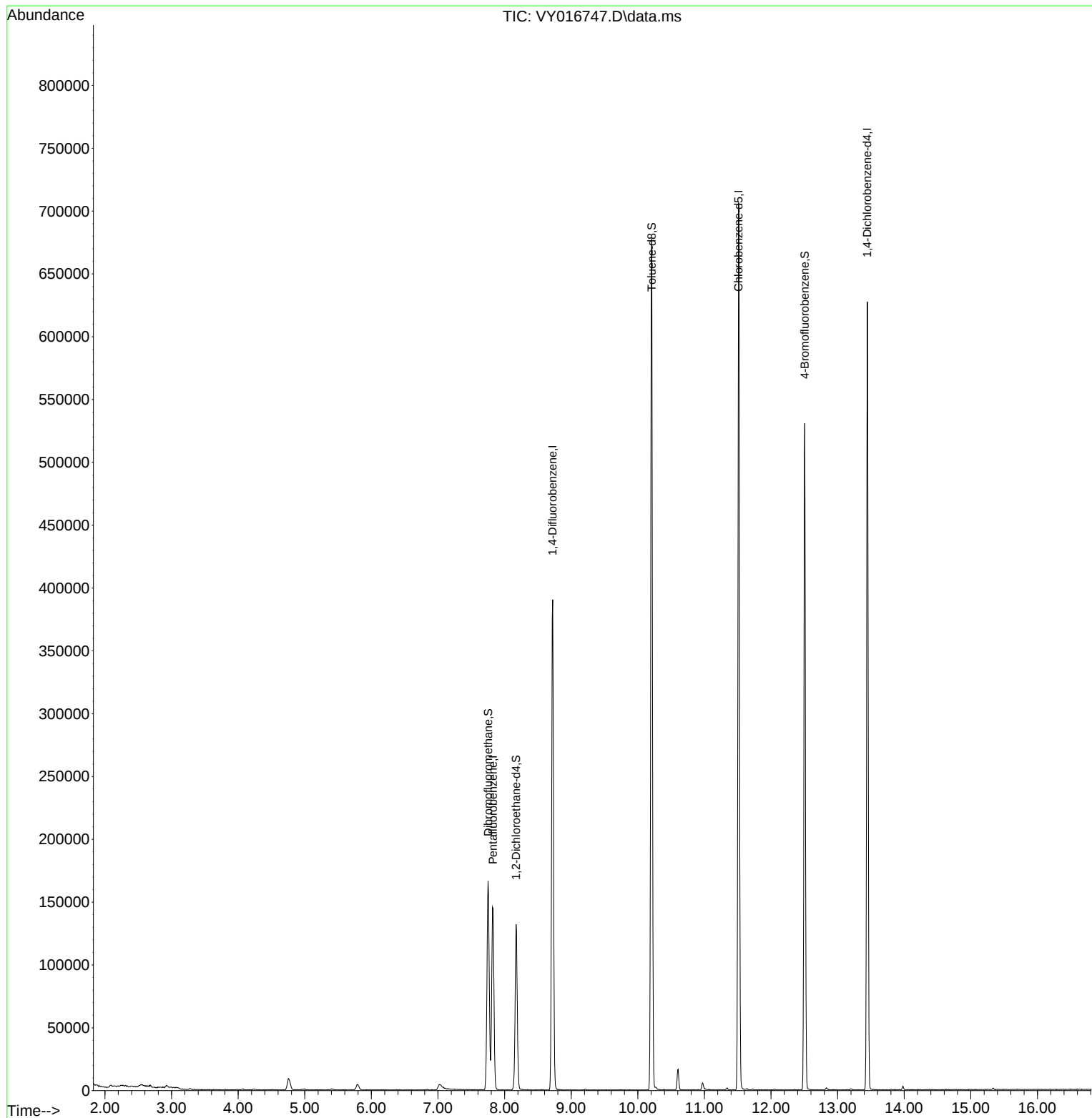
Target Compounds	Qvalue

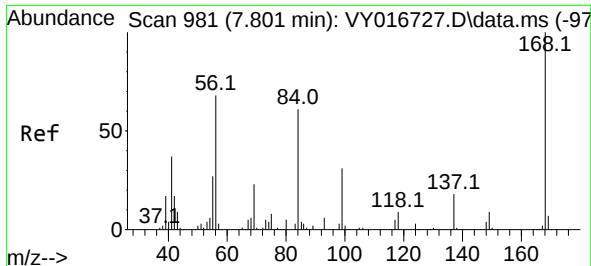
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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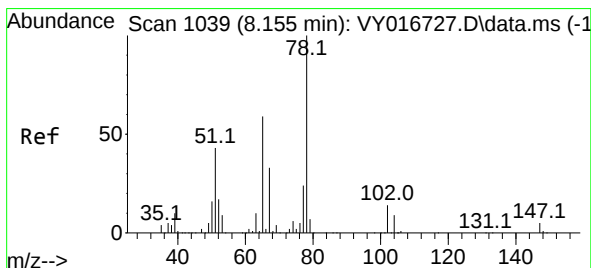
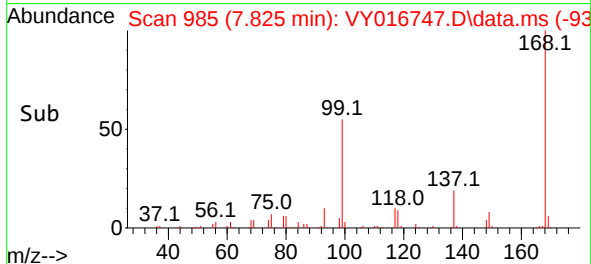
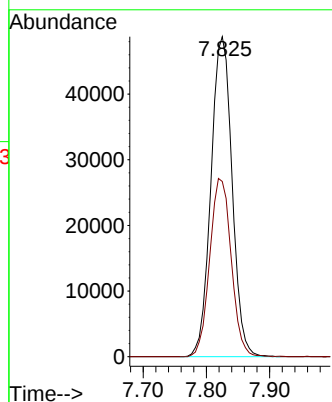
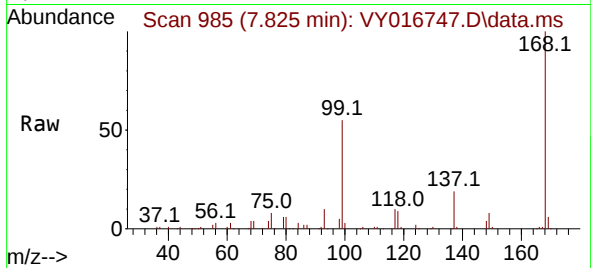




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.825 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY016747.D
Acq: 21 Dec 2023 07:54

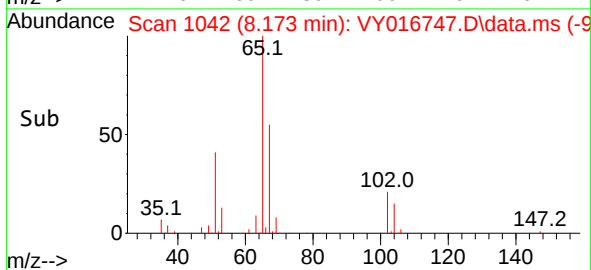
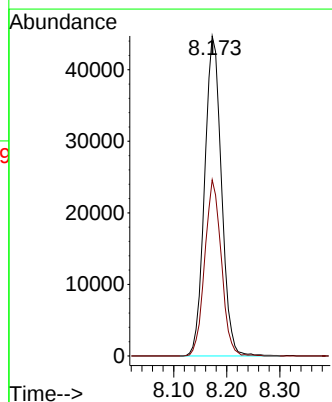
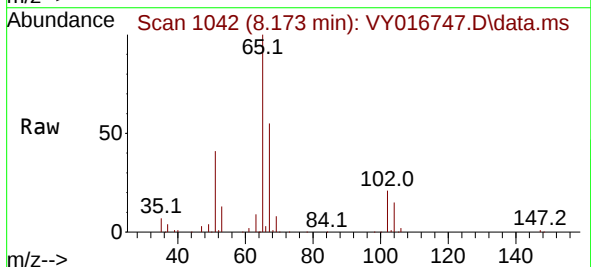
Instrument :
MSVOA_Y
ClientSampleId :
COLY1

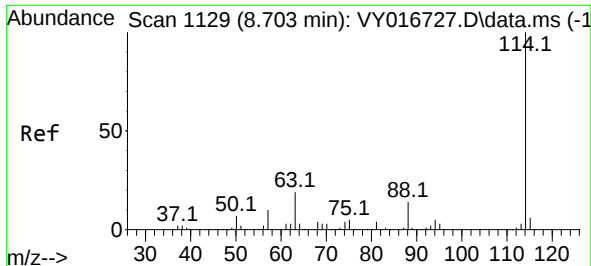
Tgt Ion:168 Resp: 113099
Ion Ratio Lower Upper
168 100
99 54.7 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 95.463 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.018 min
Lab File: VY016747.D
Acq: 21 Dec 2023 07:54

Tgt Ion: 65 Resp: 98563
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.721 min Scan# 1129

Delta R.T. 0.018 min

Lab File: VY016747.D

Acq: 21 Dec 2023 07:54

Instrument :

MSVOA_Y

ClientSampleId :

C0LY1

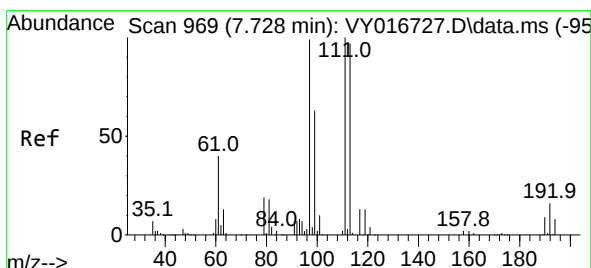
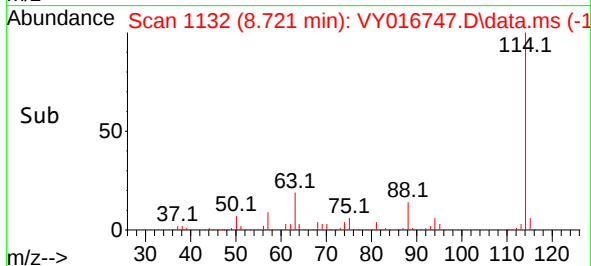
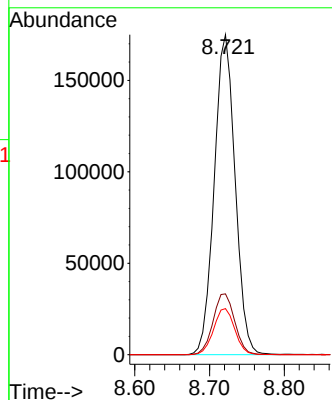
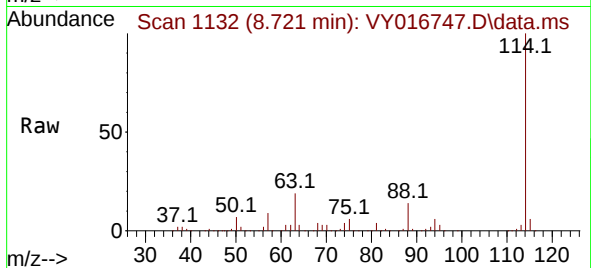
Tgt Ion:114 Resp: 339878

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

88 14.4 0.0 29.0



#35

Dibromofluoromethane

Concen: 61.939 ug/l

RT: 7.752 min Scan# 973

Delta R.T. 0.024 min

Lab File: VY016747.D

Acq: 21 Dec 2023 07:54

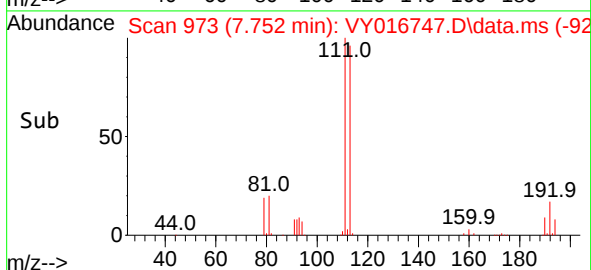
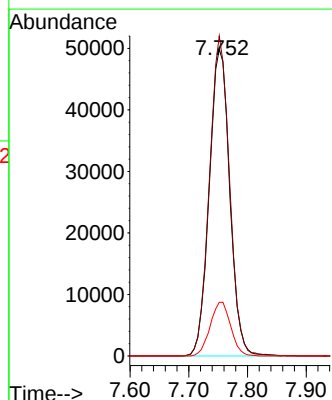
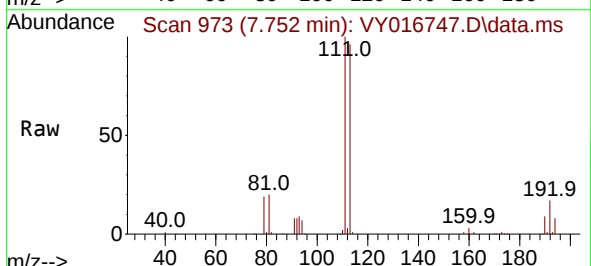
Tgt Ion:113 Resp: 120589

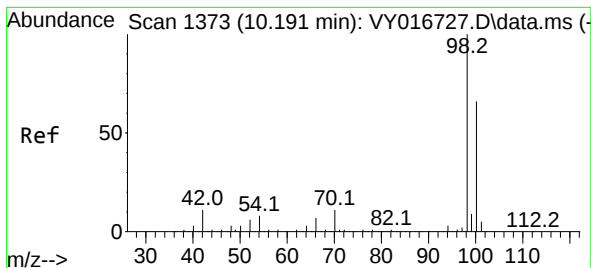
Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 17.6 14.5 21.7





#50

Toluene-d8

Concen: 63.757 ug/l

RT: 10.209 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY016747.D

Acq: 21 Dec 2023 07:54

Instrument :

MSVOA_Y

ClientSampleId :

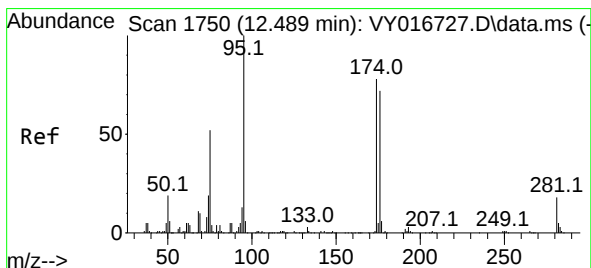
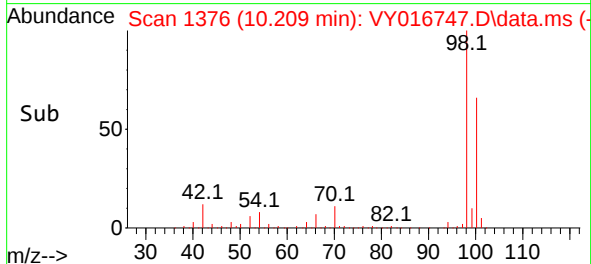
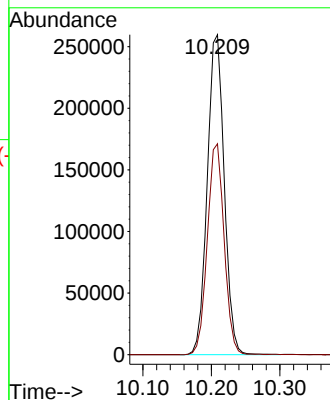
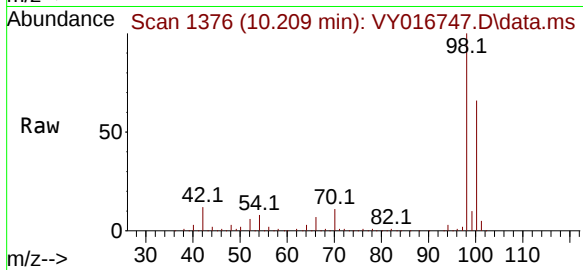
C0LY1

Tgt Ion: 98 Resp: 447473

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 71.603 ug/l

RT: 12.507 min Scan# 1753

Delta R.T. 0.018 min

Lab File: VY016747.D

Acq: 21 Dec 2023 07:54

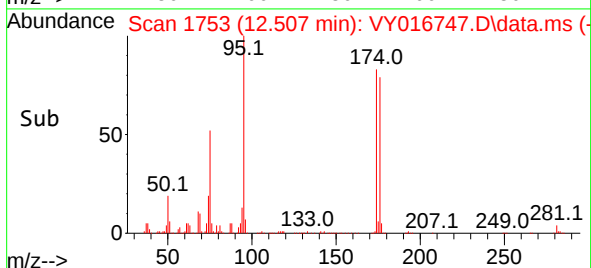
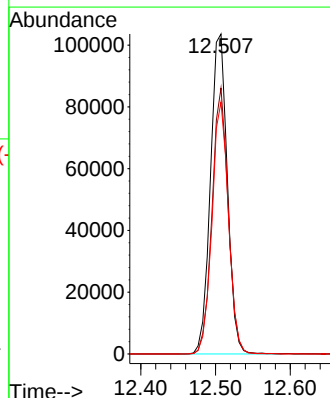
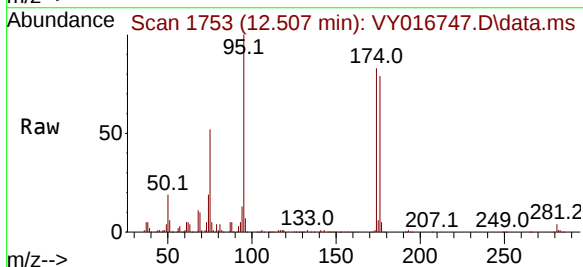
Tgt Ion: 95 Resp: 163039

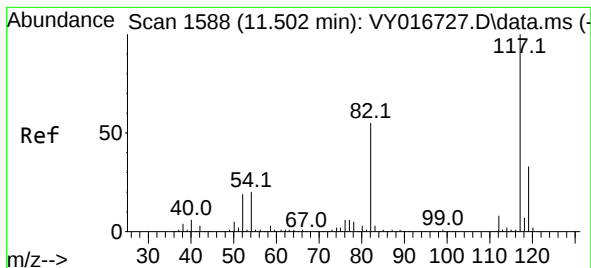
Ion Ratio Lower Upper

95 100

174 79.7 0.0 160.0

176 76.6 0.0 151.8

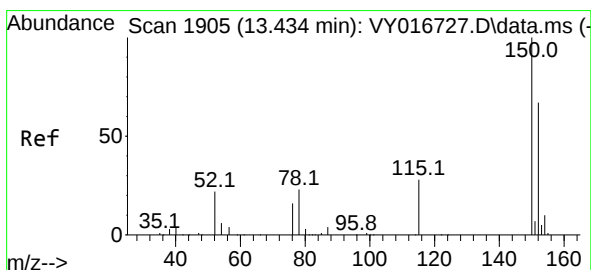
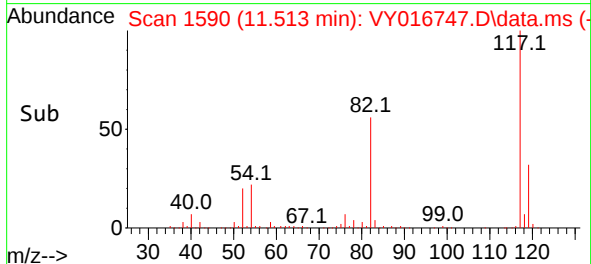
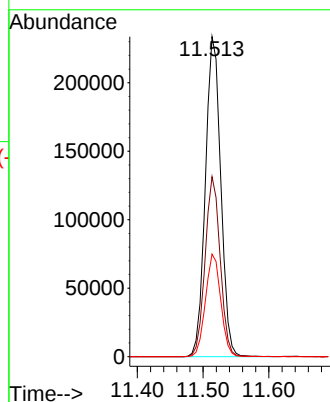
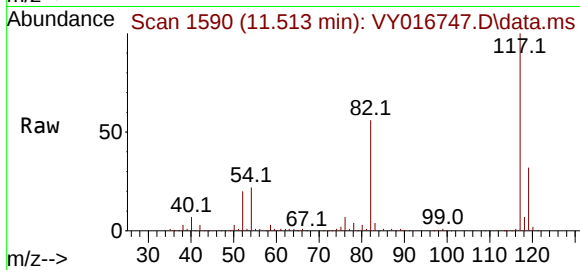




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.513 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016747.D
Acq: 21 Dec 2023 07:54

Instrument :
MSVOA_Y
ClientSampleId :
COLY1

Tgt Ion:117 Resp: 380735
Ion Ratio Lower Upper
117 100
82 56.3 43.8 65.8
119 32.0 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.012 min
Lab File: VY016747.D
Acq: 21 Dec 2023 07:54

Tgt Ion:152 Resp: 153834
Ion Ratio Lower Upper
152 100
115 60.1 30.0 90.0
150 159.5 0.0 344.6

