

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122123\
 Data File : VY016791.D
 Acq On : 22 Dec 2023 05:45
 Operator : SY/MD
 Sample : 05876-19
 Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COLY4

Quant Time: Dec 22 06:42:10 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	117102	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	238463	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	218631	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	77483	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	55143	51.583	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.160%
35) Dibromofluoromethane	7.752	113	59669	43.682	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.360%
50) Toluene-d8	10.209	98	215231	43.709	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.420%
62) 4-Bromofluorobenzene	12.508	95	67084	41.992	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.980%

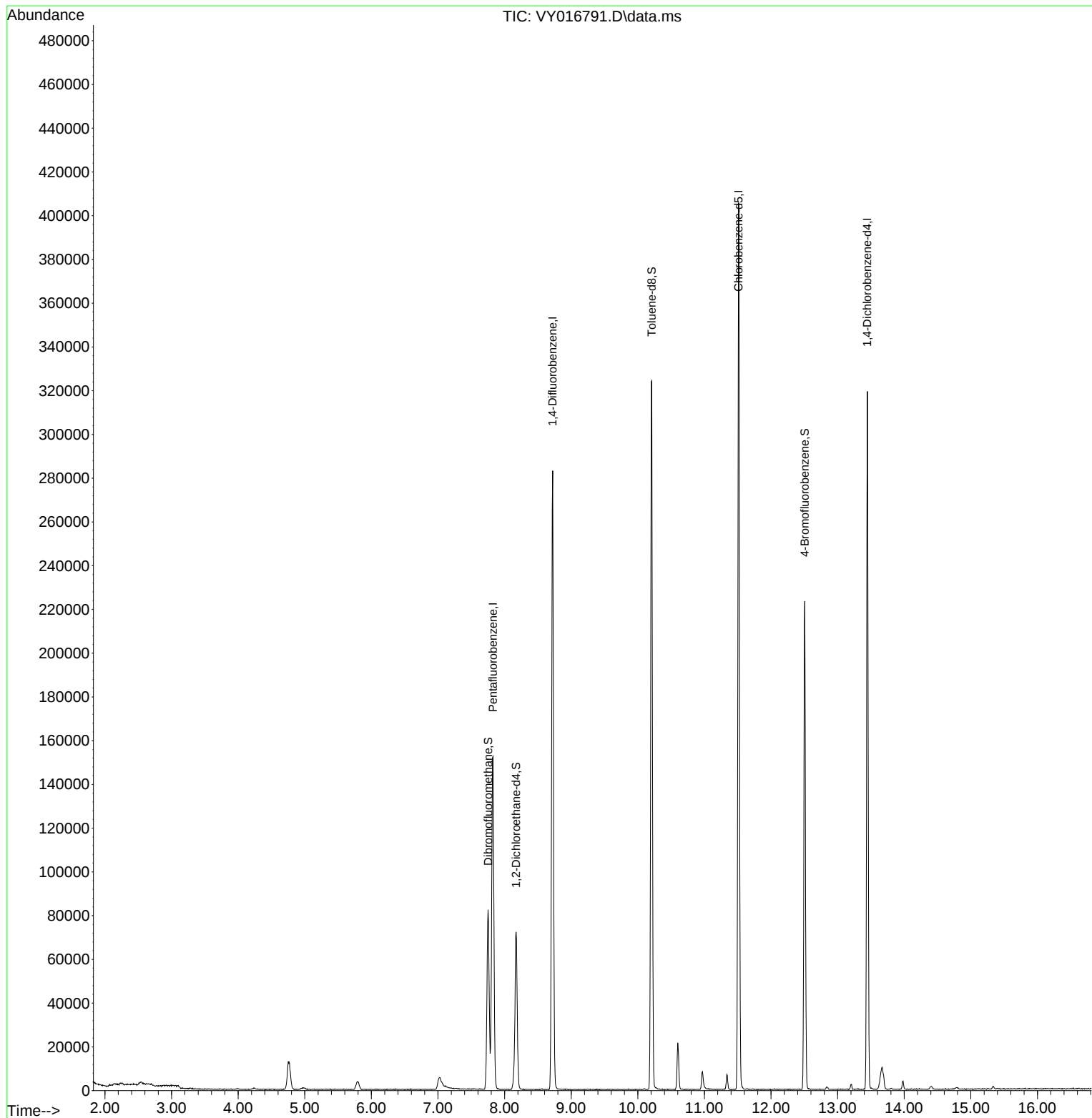
Target Compounds	Qvalue

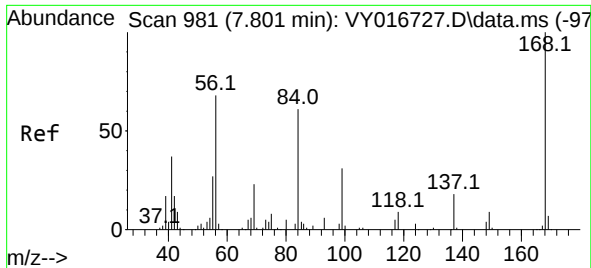
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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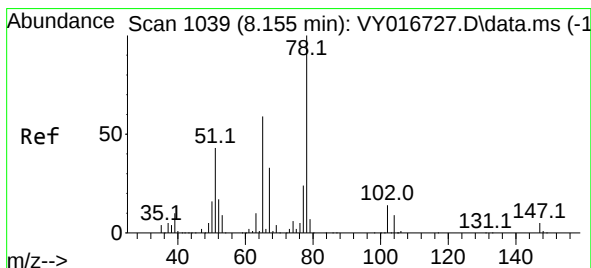
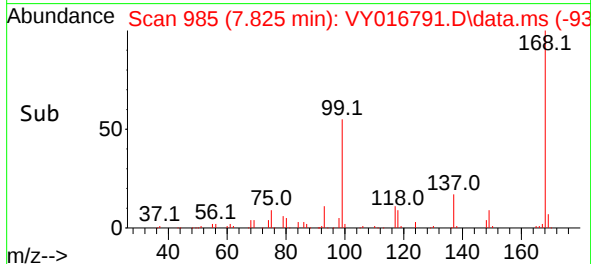
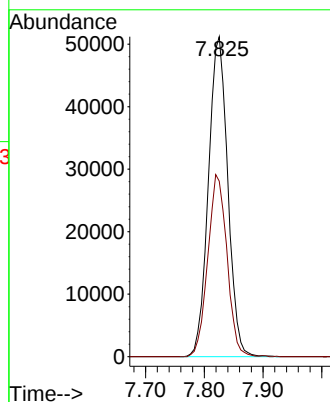
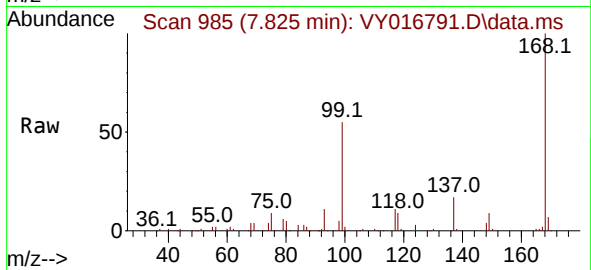




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.825 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY016791.D
Acq: 22 Dec 2023 05:45

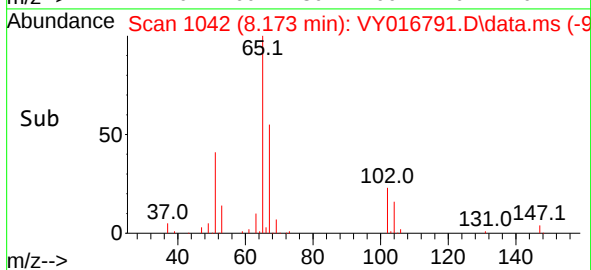
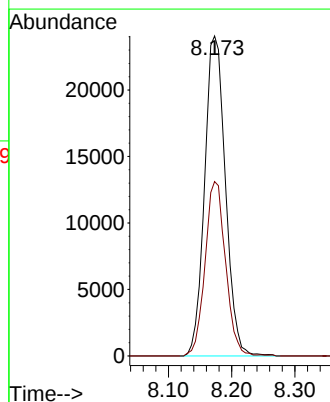
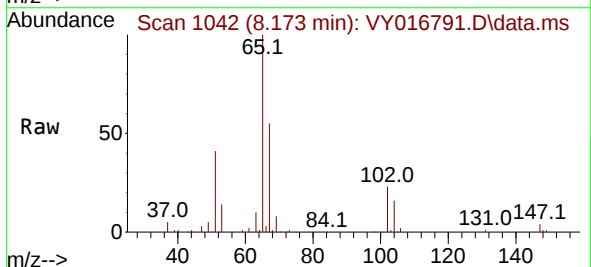
Instrument :
MSVOA_Y
ClientSampleId :
COLY4

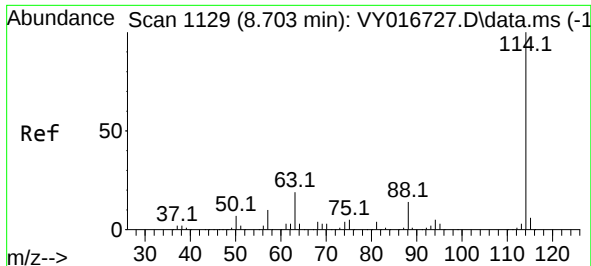
Tgt Ion:168 Resp: 117102
Ion Ratio Lower Upper
168 100
99 54.8 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 51.583 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.018 min
Lab File: VY016791.D
Acq: 22 Dec 2023 05:45

Tgt Ion: 65 Resp: 55143
Ion Ratio Lower Upper
65 100
67 53.6 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.722 min Scan# 1129

Delta R.T. 0.019 min

Lab File: VY016791.D

Acq: 22 Dec 2023 05:45

Instrument :

MSVOA_Y

ClientSampleId :

C0LY4

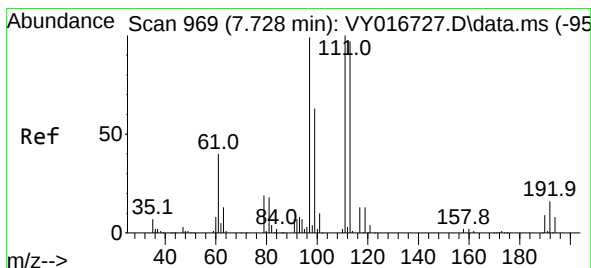
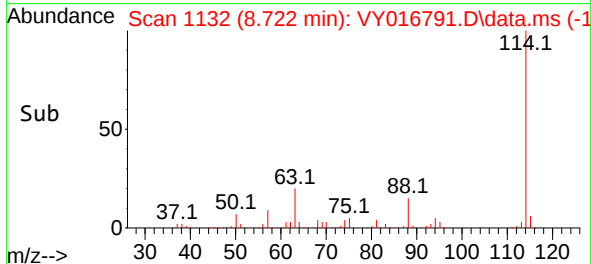
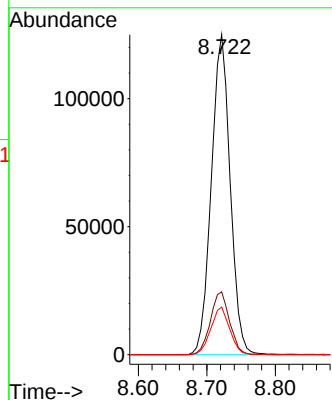
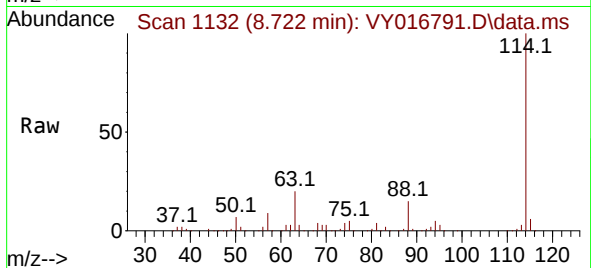
Tgt Ion:114 Resp: 238463

Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.4

88 14.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 43.682 ug/l

RT: 7.752 min Scan# 973

Delta R.T. 0.025 min

Lab File: VY016791.D

Acq: 22 Dec 2023 05:45

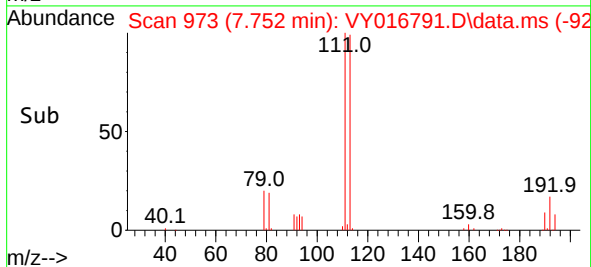
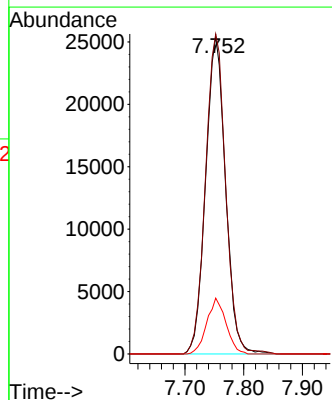
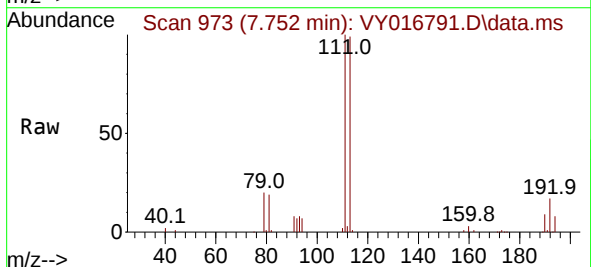
Tgt Ion:113 Resp: 59669

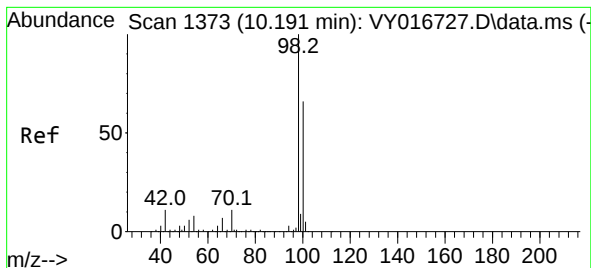
Ion Ratio Lower Upper

113 100

111 102.4 83.8 125.6

192 17.0 14.5 21.7





#50

Toluene-d8

Concen: 43.709 ug/l

RT: 10.209 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY016791.D

Acq: 22 Dec 2023 05:45

Instrument :

MSVOA_Y

ClientSampleId :

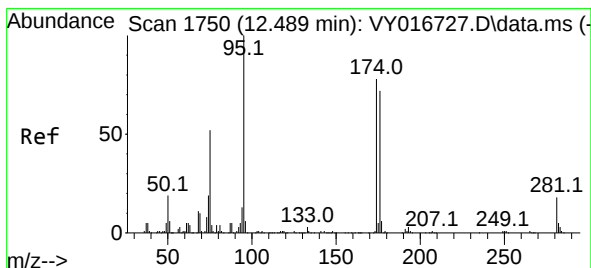
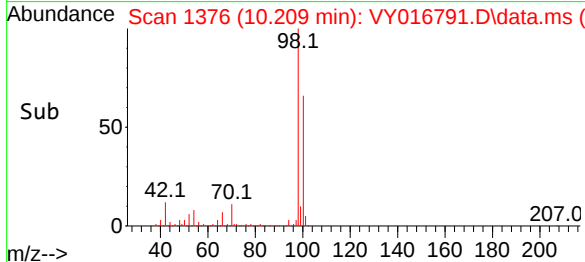
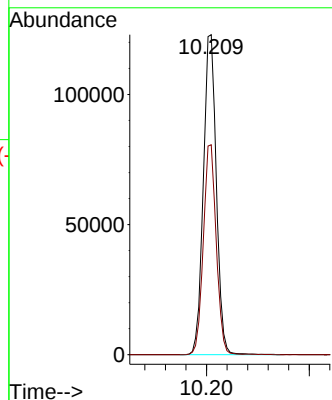
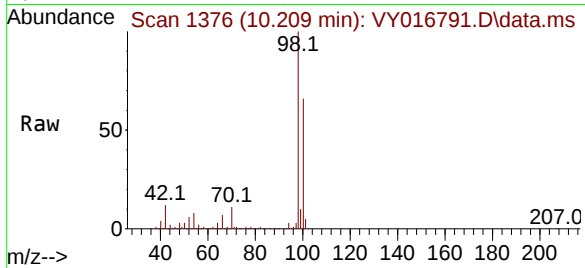
C0LY4

Tgt Ion: 98 Resp: 215231

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 41.992 ug/l

RT: 12.508 min Scan# 1753

Delta R.T. 0.018 min

Lab File: VY016791.D

Acq: 22 Dec 2023 05:45

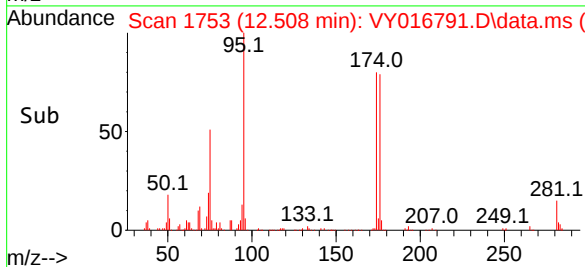
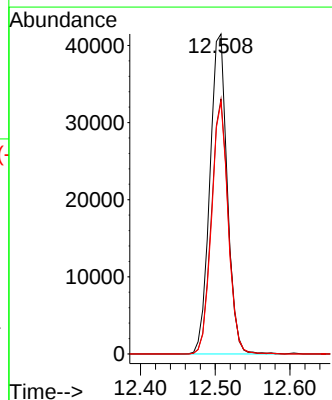
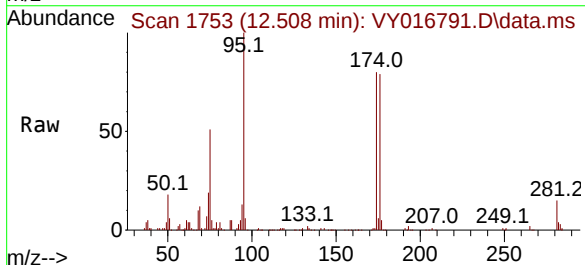
Tgt Ion: 95 Resp: 67084

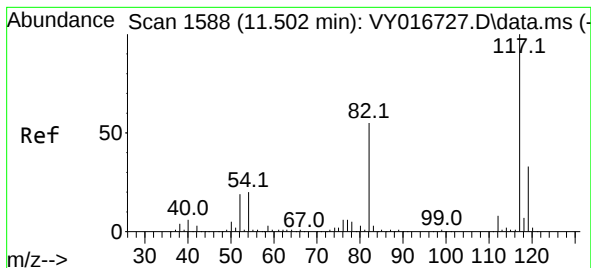
Ion Ratio Lower Upper

95 100

174 77.2 0.0 160.0

176 75.2 0.0 151.8

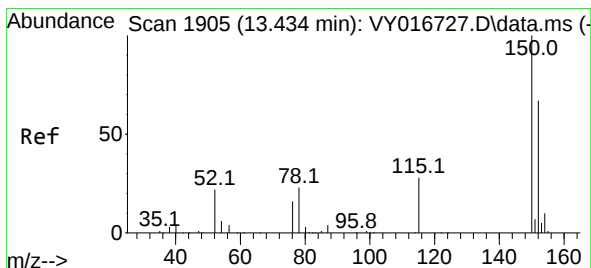
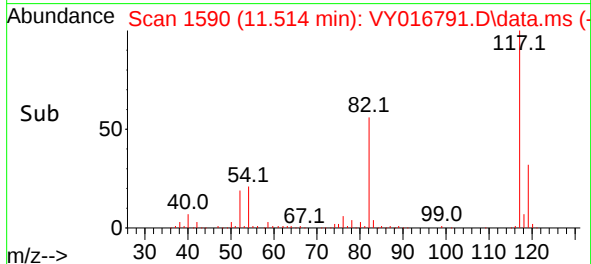
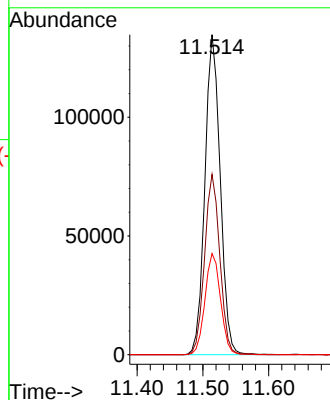
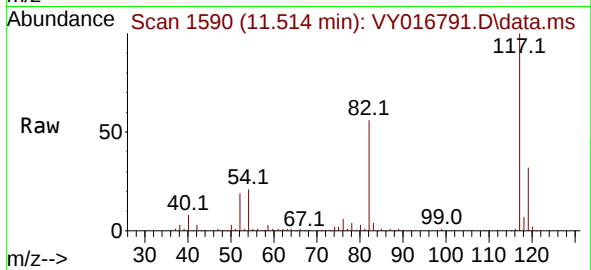




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016791.D
Acq: 22 Dec 2023 05:45

Instrument :
MSVOA_Y
ClientSampleId :
COLY4

Tgt Ion:117 Resp: 218631
Ion Ratio Lower Upper
117 100
82 56.3 43.8 65.8
119 31.6 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: VY016791.D
Acq: 22 Dec 2023 05:45

Tgt Ion:152 Resp: 77483
Ion Ratio Lower Upper
152 100
115 60.1 30.0 90.0
150 159.5 0.0 344.6

