

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016745.D
 Acq On : 21 Dec 2023 07:07
 Operator : SY/MD
 Sample : 05876-14
 Misc : 1.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COLX9

Quant Time: Dec 21 08:14:13 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	7.820	168	102262	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	299723	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	328643	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	123914	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	85795	91.903	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	183.800%#
35) Dibromofluoromethane	7.752	113	106449	62.001	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	124.000%
50) Toluene-d8	10.203	98	395705	63.935	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	127.860%
62) 4-Bromofluorobenzene	12.502	95	133982	66.725	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	133.460%

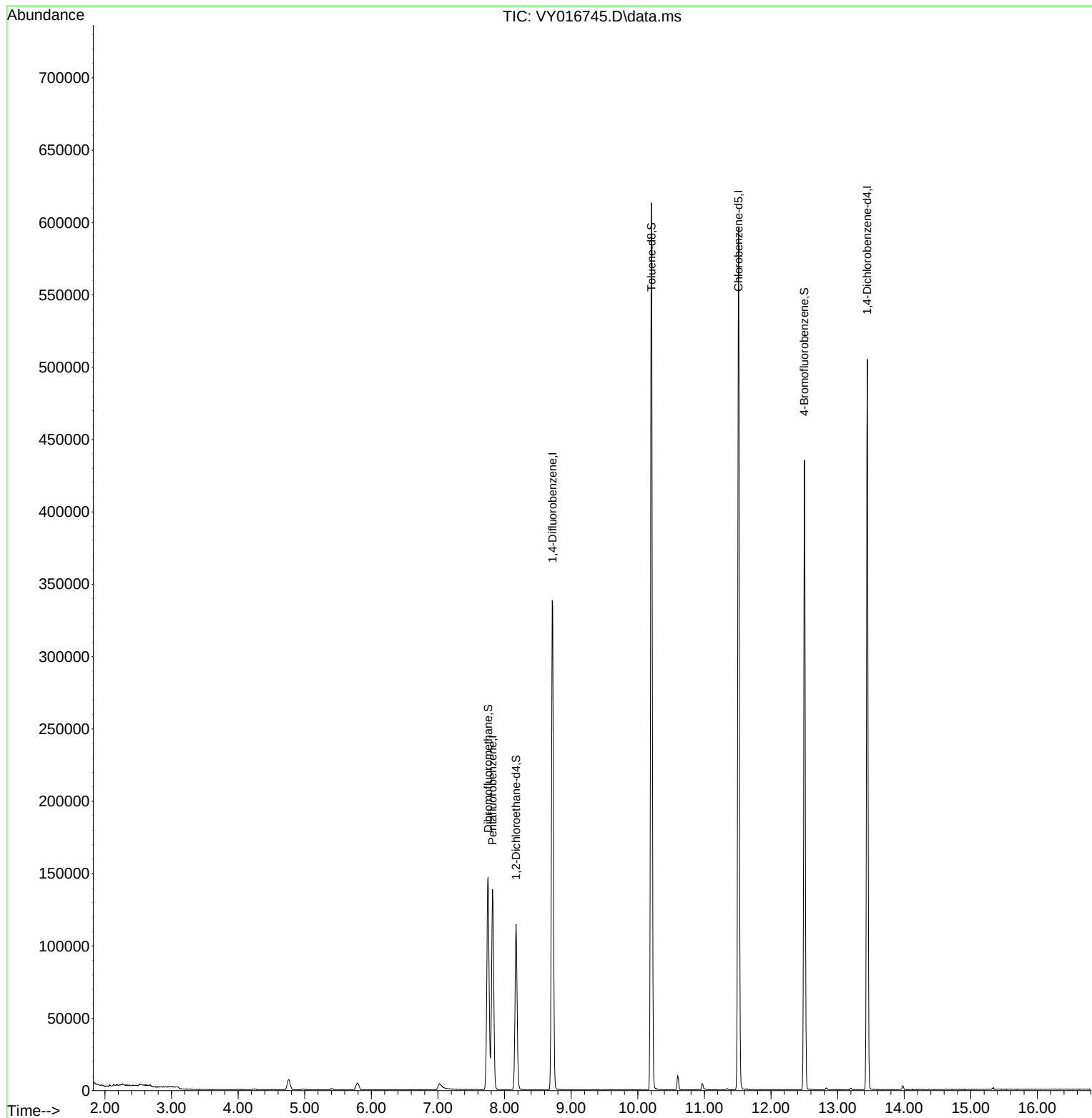
Target Compounds	Qvalue

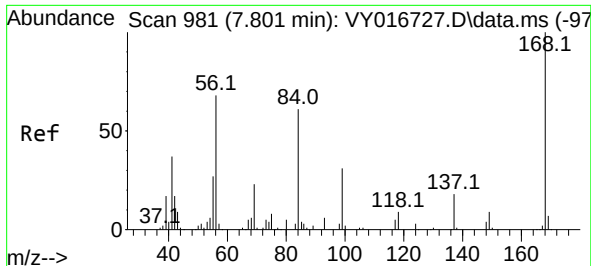
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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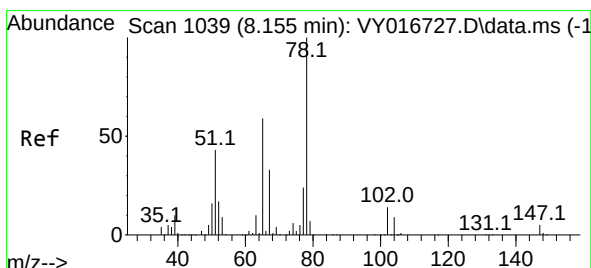
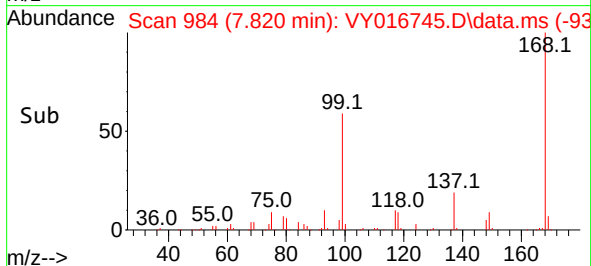
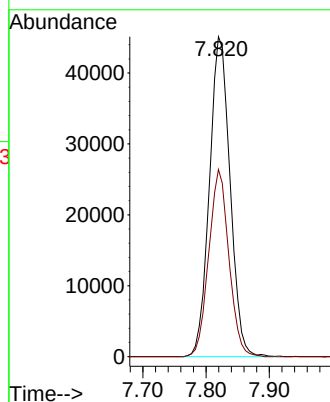
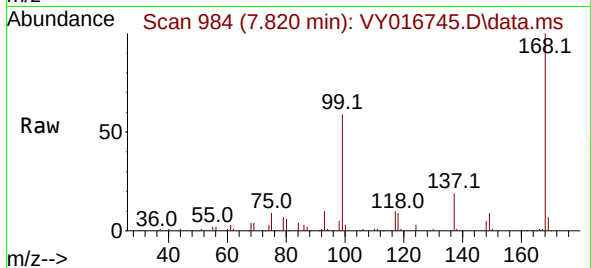




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.820 min Scan# 91
Delta R.T. 0.019 min
Lab File: VY016745.D
Acq: 21 Dec 2023 07:07

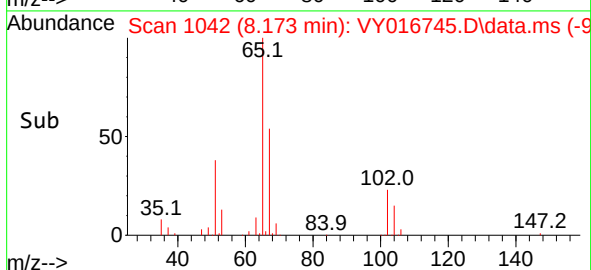
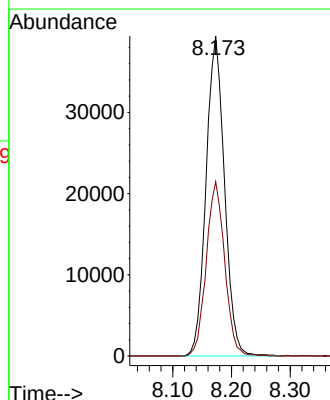
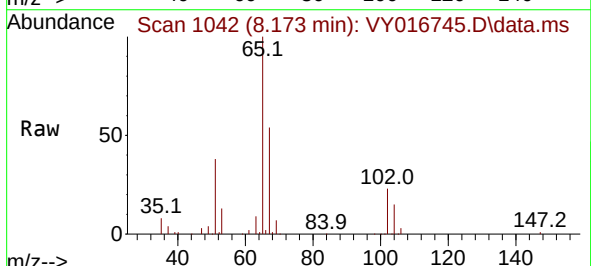
Instrument :
MSVOA_Y
ClientSampleId :
COLX9

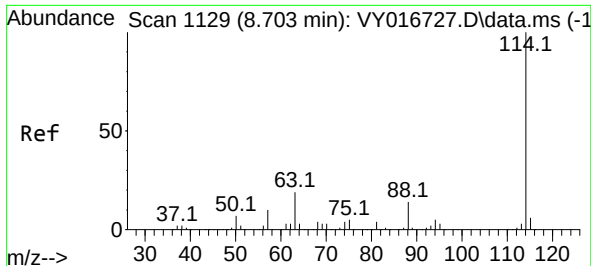
Tgt Ion:168 Resp: 102262
Ion Ratio Lower Upper
168 100
99 58.5 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 91.903 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.019 min
Lab File: VY016745.D
Acq: 21 Dec 2023 07:07

Tgt Ion: 65 Resp: 85795
Ion Ratio Lower Upper
65 100
67 54.4 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: VY016745.D

Acq: 21 Dec 2023 07:07

Instrument :

MSVOA_Y

ClientSampleId :

COLX9

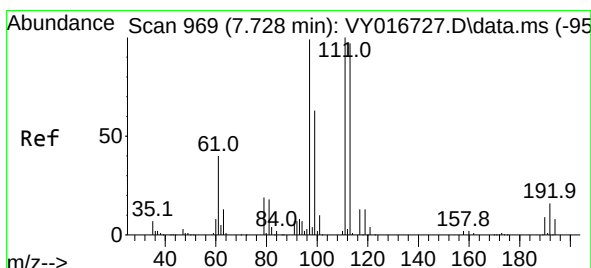
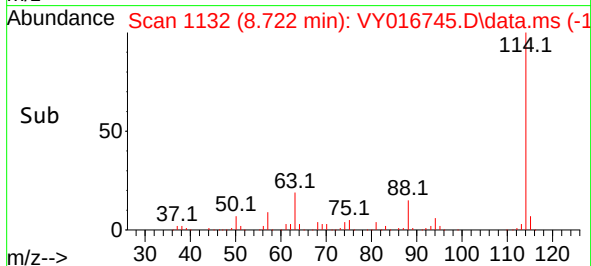
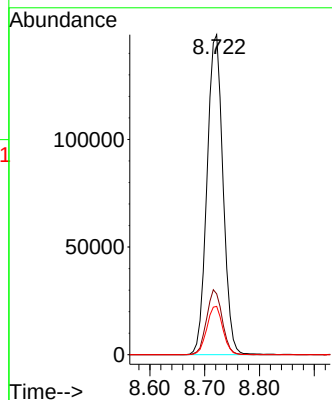
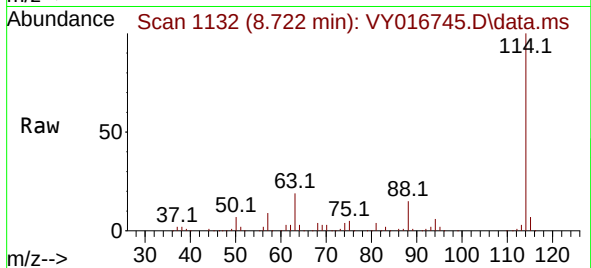
Tgt Ion:114 Resp: 299723

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

88 15.1 0.0 29.0



#35

Dibromofluoromethane

Concen: 62.001 ug/l

RT: 7.752 min Scan# 973

Delta R.T. 0.025 min

Lab File: VY016745.D

Acq: 21 Dec 2023 07:07

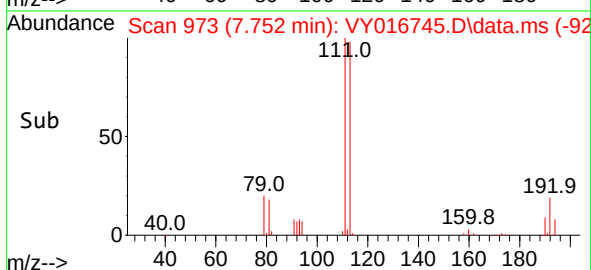
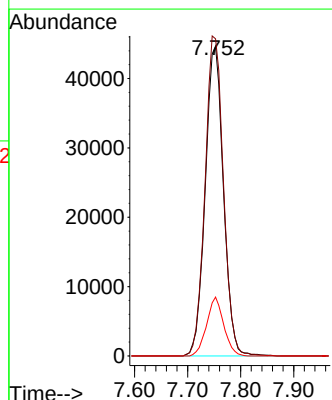
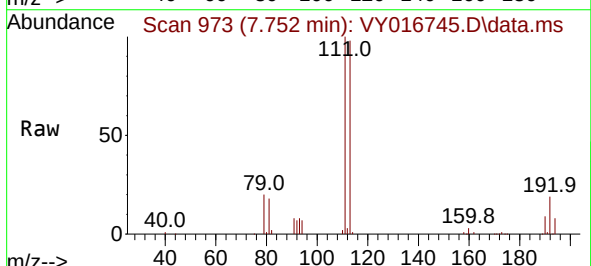
Tgt Ion:113 Resp: 106449

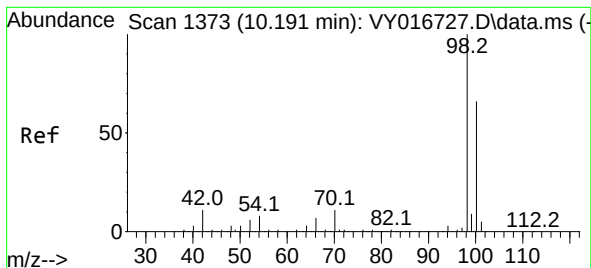
Ion Ratio Lower Upper

113 100

111 104.2 83.8 125.6

192 17.8 14.5 21.7





#50

Toluene-d8

Concen: 63.935 ug/l

RT: 10.203 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016745.D

Acq: 21 Dec 2023 07:07

Instrument :

MSVOA_Y

ClientSampleId :

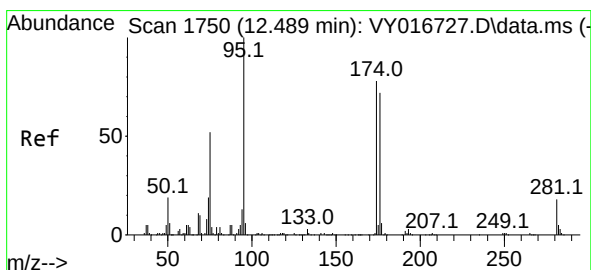
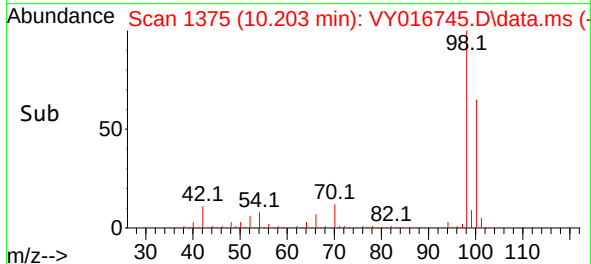
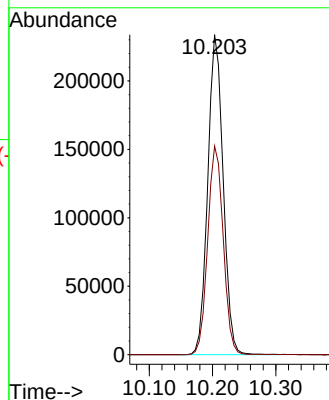
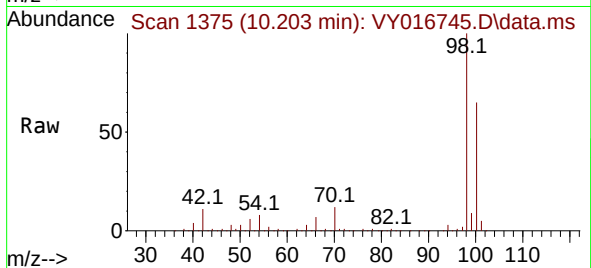
COLX9

Tgt Ion: 98 Resp: 395705

Ion Ratio Lower Upper

98 100

100 65.8 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 66.725 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY016745.D

Acq: 21 Dec 2023 07:07

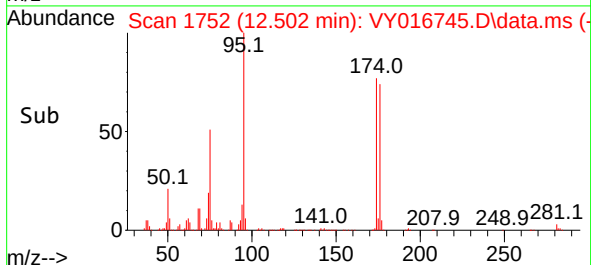
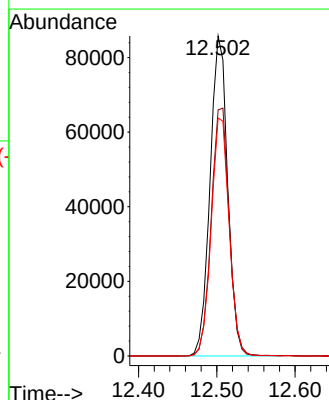
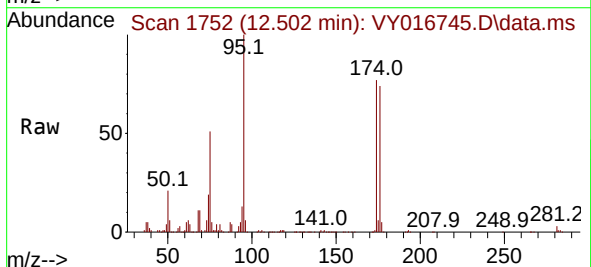
Tgt Ion: 95 Resp: 133982

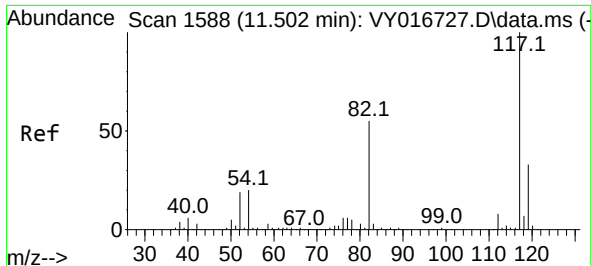
Ion Ratio Lower Upper

95 100

174 79.4 0.0 160.0

176 75.8 0.0 151.8

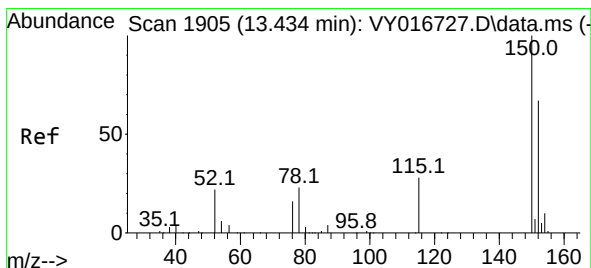
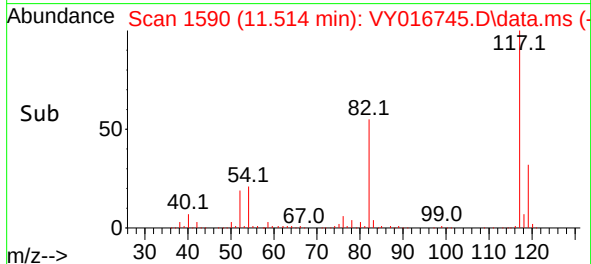
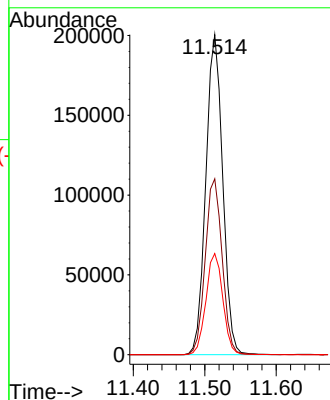
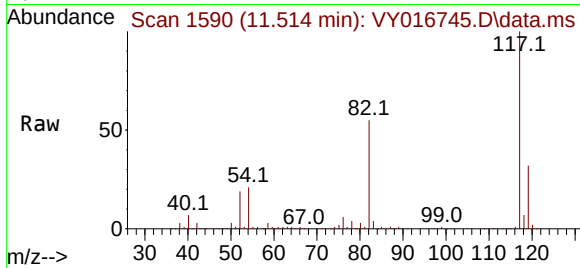




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 117
Delta R.T. 0.012 min
Lab File: VY016745.D
Acq: 21 Dec 2023 07:07

Instrument :
MSVOA_Y
ClientSampleId :
COLX9

Tgt Ion:117 Resp: 328643
Ion Ratio Lower Upper
117 100
82 55.0 43.8 65.8
119 31.6 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.012 min
Lab File: VY016745.D
Acq: 21 Dec 2023 07:07

Tgt Ion:152 Resp: 123914
Ion Ratio Lower Upper
152 100
115 59.9 30.0 90.0
150 157.6 0.0 344.6

