

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060223\
 Data File : VY013996.D
 Acq On : 02 Jun 2023 17:41
 Operator : KP/MD
 Sample : 03016-04
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB29

Quant Time: Jun 05 09:45:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	114472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	193291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	203871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	97714	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	91065	60.095	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.200%
35) Dibromofluoromethane	7.710	113	70576	57.454	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.900%
50) Toluene-d8	10.173	98	243099	51.882	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.760%
62) 4-Bromofluorobenzene	12.477	95	81660	51.120	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.240%

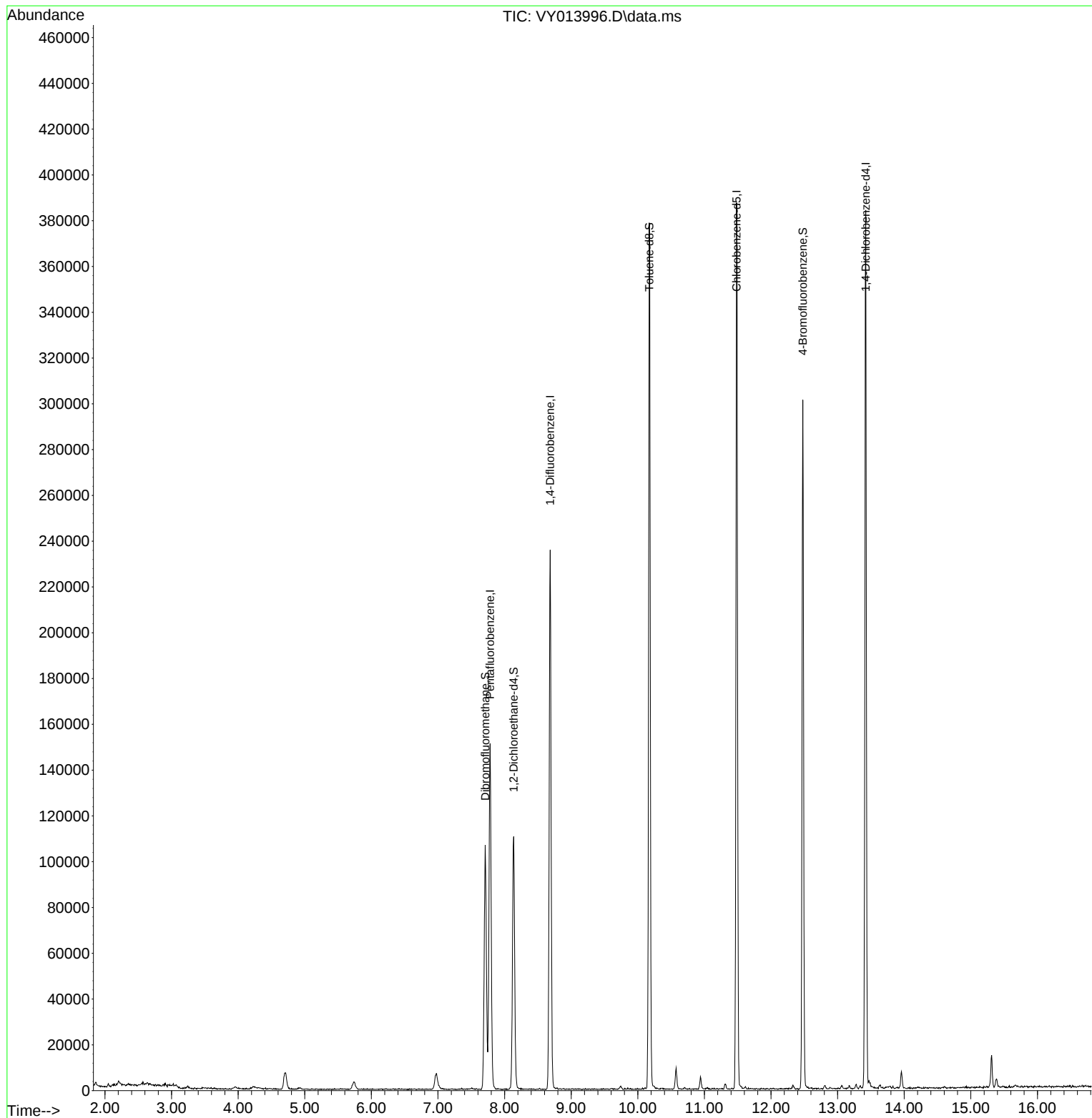
Target Compounds	Qvalue

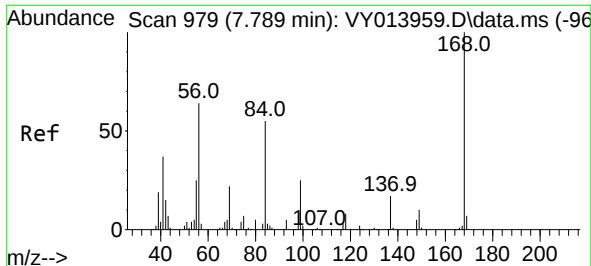
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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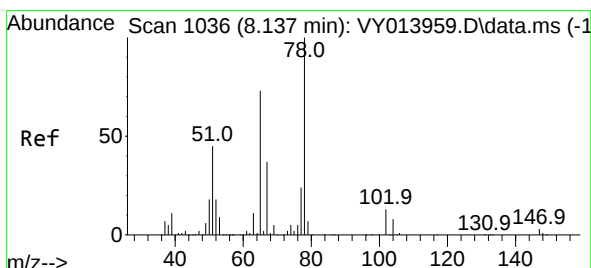
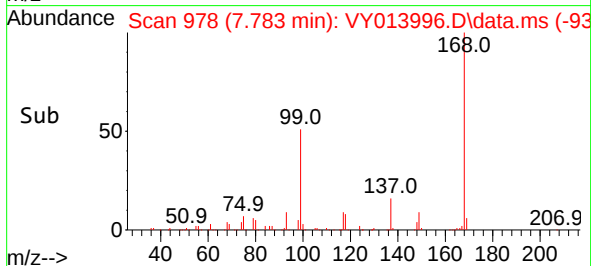
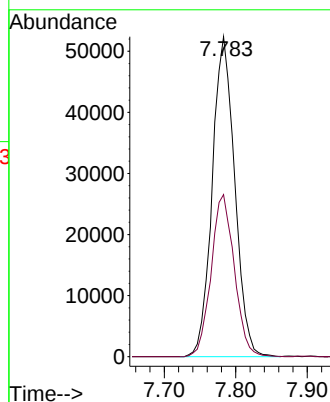
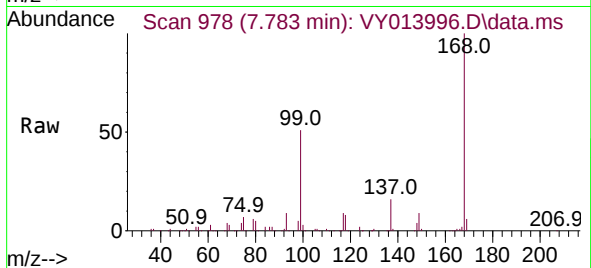




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013996.D
Acq: 02 Jun 2023 17:41

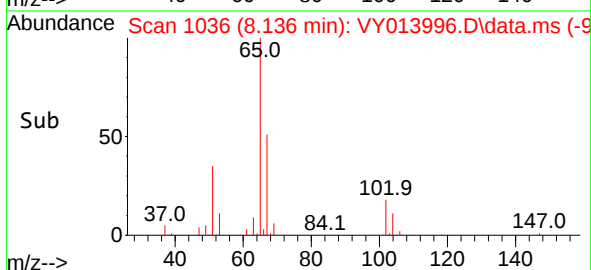
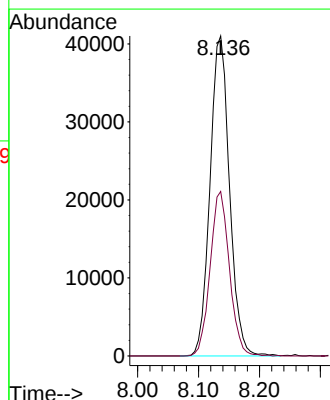
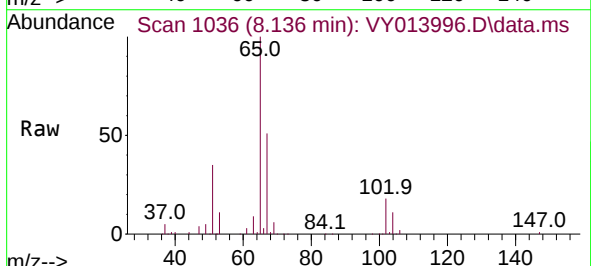
Instrument :
MSVOA_Y
ClientSampleId :
SB29

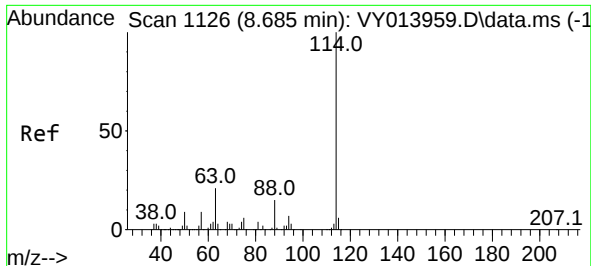
Tgt Ion:168 Resp: 114472
Ion Ratio Lower Upper
168 100
99 50.7 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 60.095 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY013996.D
Acq: 02 Jun 2023 17:41

Tgt Ion: 65 Resp: 91065
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY013996.D

Acq: 02 Jun 2023 17:41

Instrument :

MSVOA_Y

ClientSampleId :

SB29

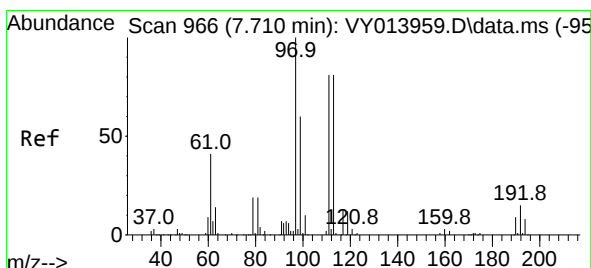
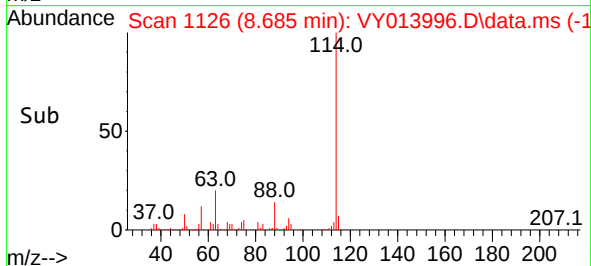
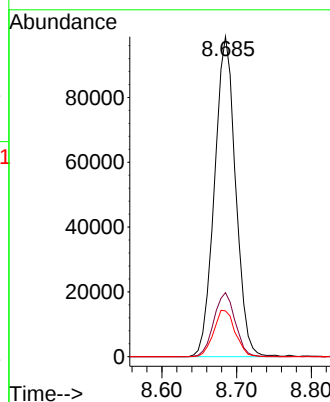
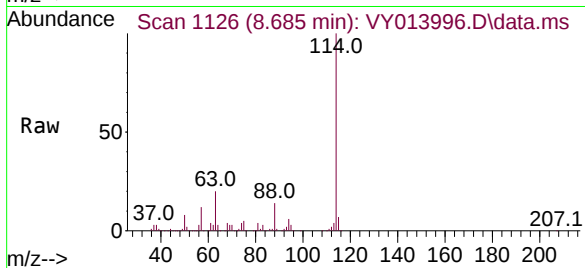
Tgt Ion:114 Resp: 193291

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.454 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY013996.D

Acq: 02 Jun 2023 17:41

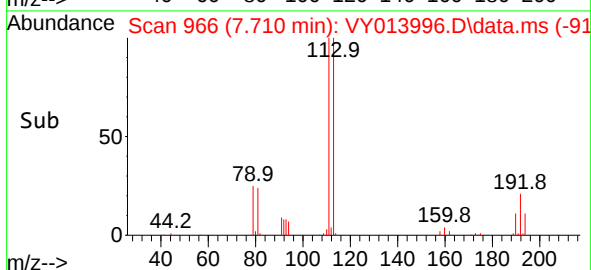
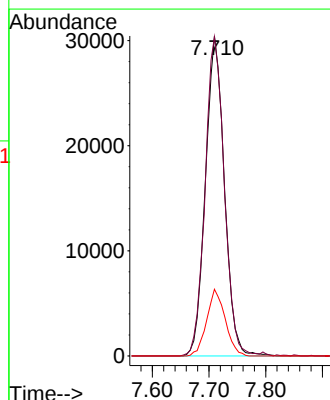
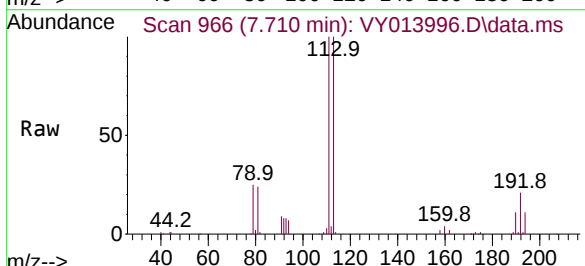
Tgt Ion:113 Resp: 70576

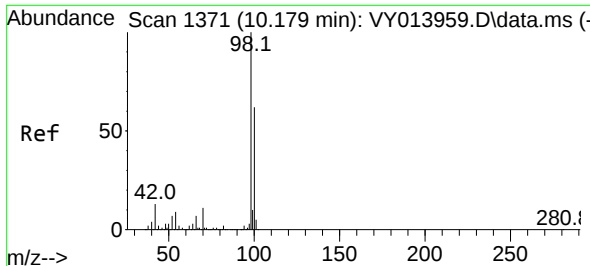
Ion Ratio Lower Upper

113 100

111 101.0 81.3 121.9

192 20.5 16.9 25.3

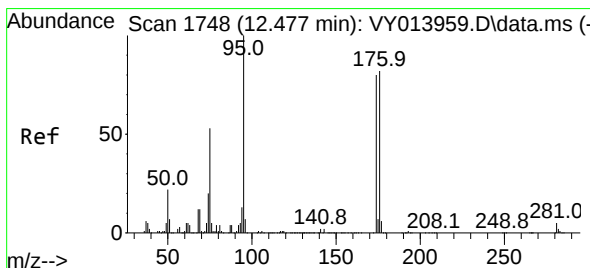
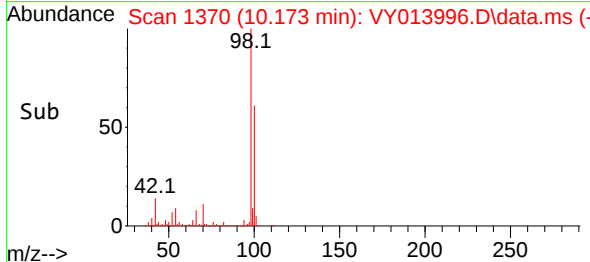
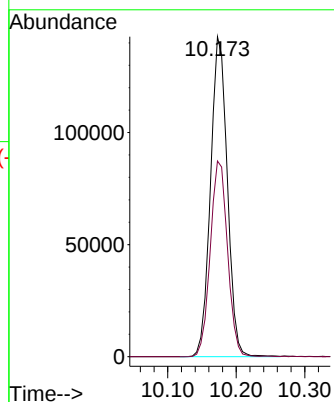
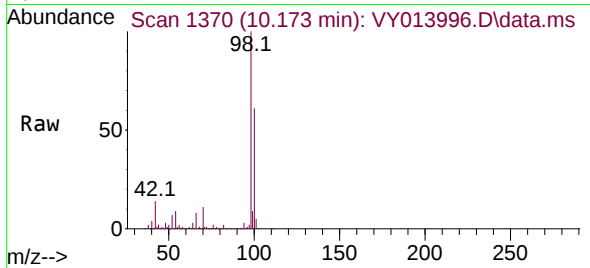




#50
Toluene-d8
Concen: 51.882 ug/l
RT: 10.173 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013996.D
Acq: 02 Jun 2023 17:41

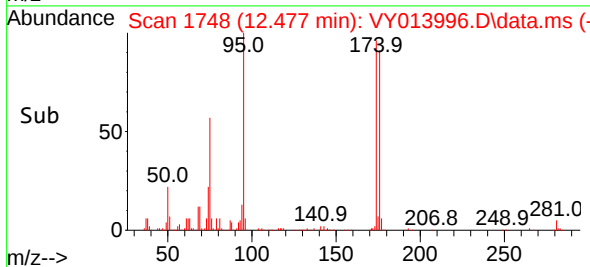
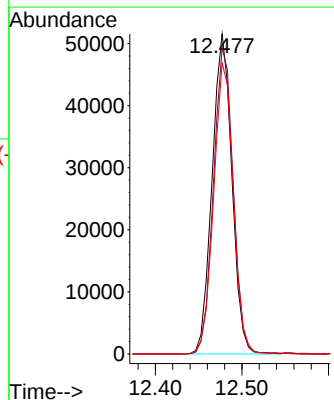
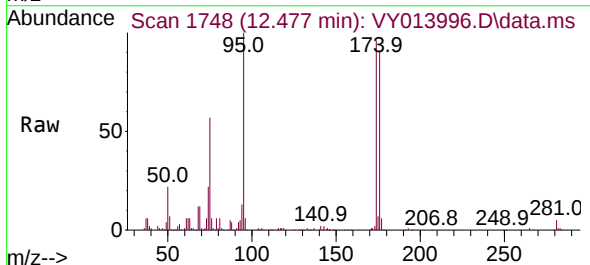
Instrument :
MSVOA_Y
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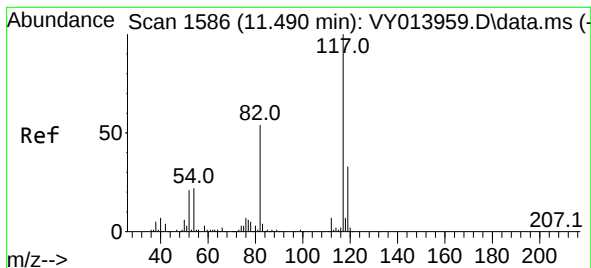
Tgt Ion: 98 Resp: 243099
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.120 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013996.D
Acq: 02 Jun 2023 17:41

Tgt Ion: 95 Resp: 81660
Ion Ratio Lower Upper
95 100
174 96.0 0.0 178.2
176 90.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013996.D

Acq: 02 Jun 2023 17:41

Instrument :

MSVOA_Y

ClientSampleId :

SB29

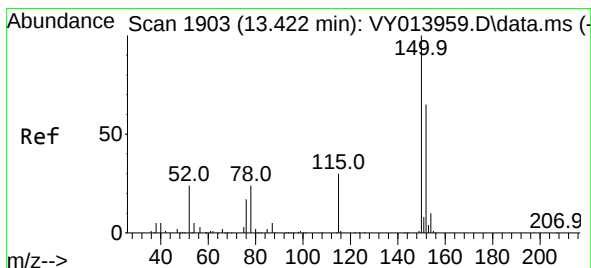
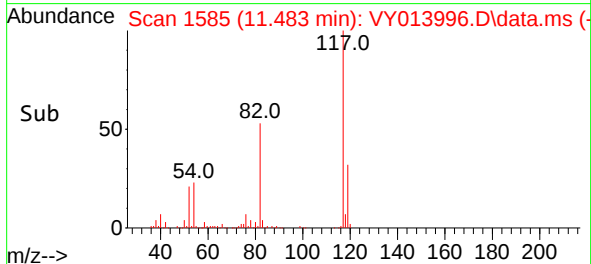
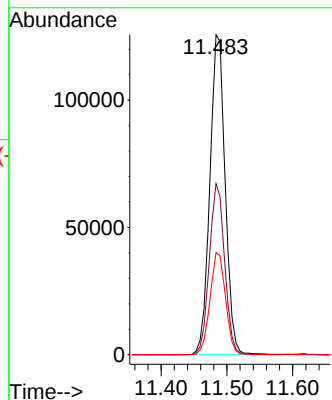
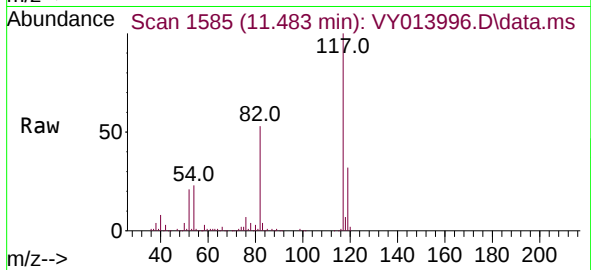
Tgt Ion:117 Resp: 203871

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 31.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013996.D

Acq: 02 Jun 2023 17:41

Tgt Ion:152 Resp: 97714

Ion Ratio Lower Upper

152 100

115 56.4 28.8 86.5

150 157.3 0.0 348.8

