

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042523\
 Data File : VY013449.D
 Acq On : 25 Apr 2023 16:16
 Operator : KP/MD
 Sample : 02472-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FP-1

Quant Time: Apr 26 02:51:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	163523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	279150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	265548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124166	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	119971	66.927	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	133.860%
35) Dibromofluoromethane	7.716	113	98001	55.818	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.640%
50) Toluene-d8	10.179	98	340119	54.455	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	108.920%
62) 4-Bromofluorobenzene	12.477	95	107580	51.092	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.180%

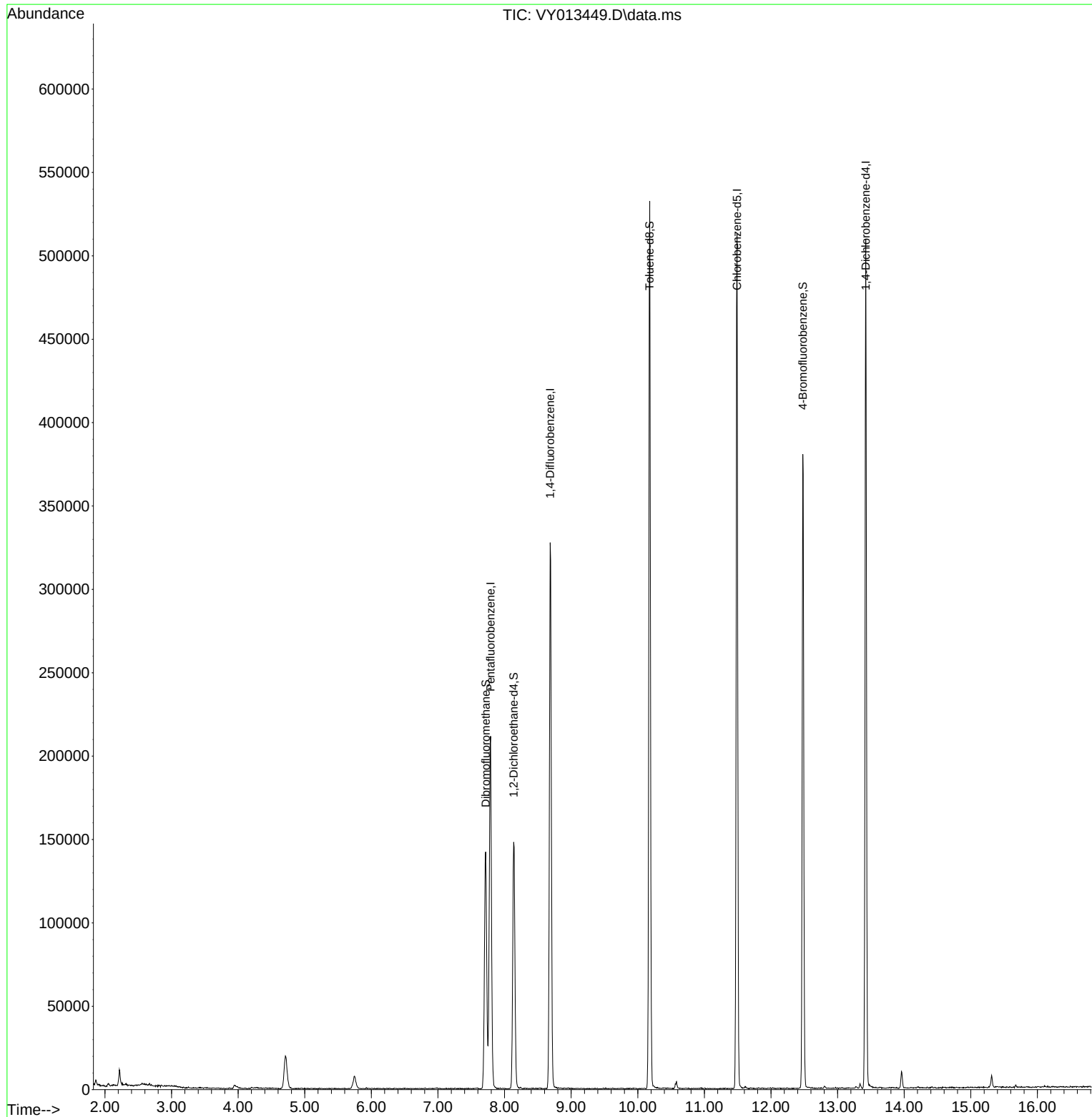
Target Compounds	Qvalue

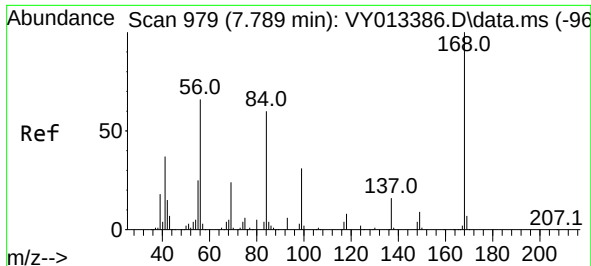
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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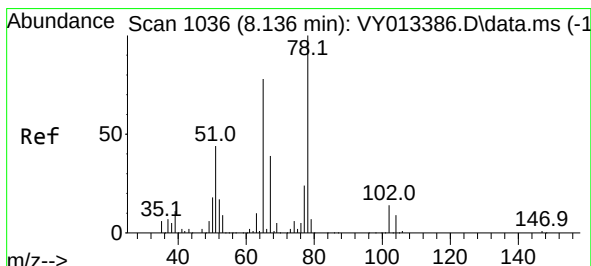
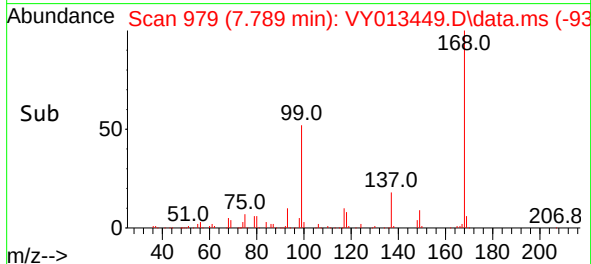
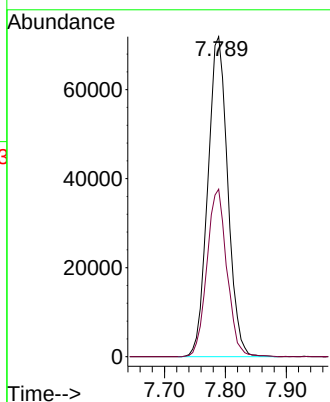
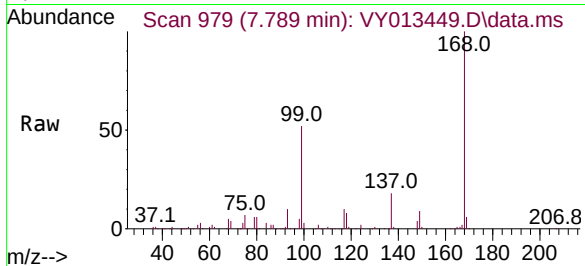




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013449.D
Acq: 25 Apr 2023 16:16

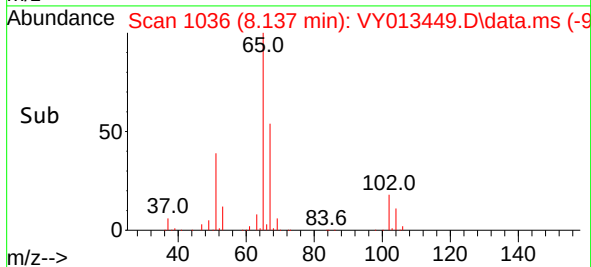
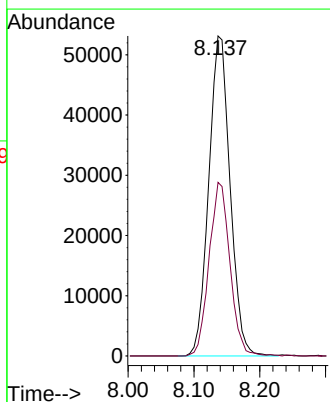
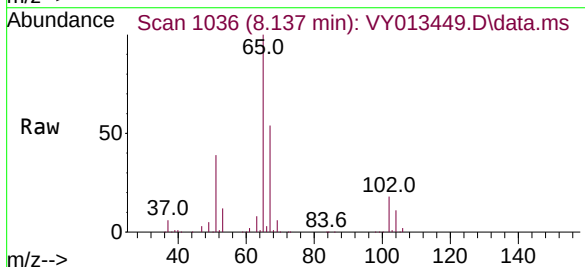
Instrument :
MSVOA_Y
ClientSampleId :
FP-1

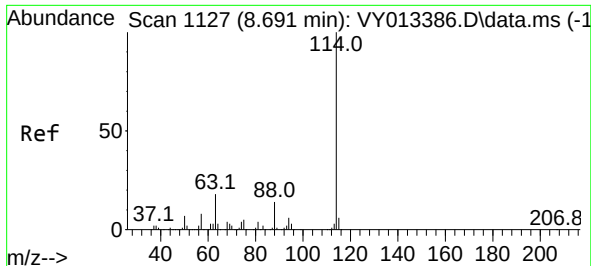
Tgt Ion:168 Resp: 163523
Ion Ratio Lower Upper
168 100
99 52.4 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 66.927 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY013449.D
Acq: 25 Apr 2023 16:16

Tgt Ion: 65 Resp: 119971
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013449.D

Acq: 25 Apr 2023 16:16

Instrument :

MSVOA_Y

ClientSampleId :

FP-1

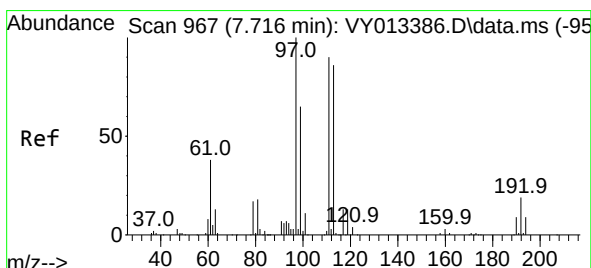
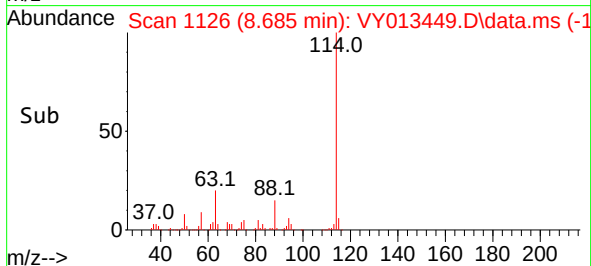
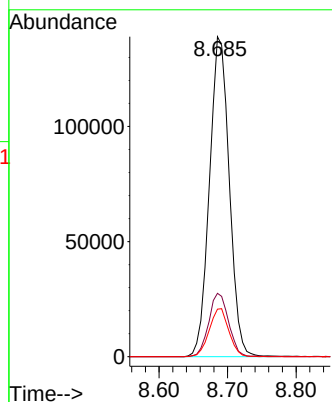
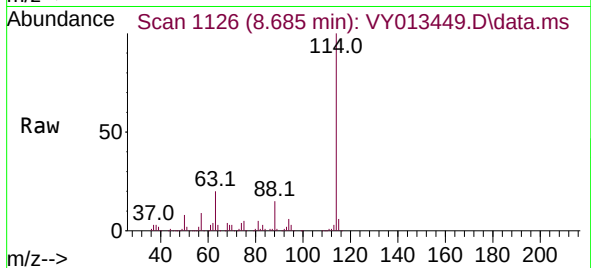
Tgt Ion:114 Resp: 279150

Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.6

88 14.8 0.0 28.8



#35

Dibromofluoromethane

Concen: 55.818 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013449.D

Acq: 25 Apr 2023 16:16

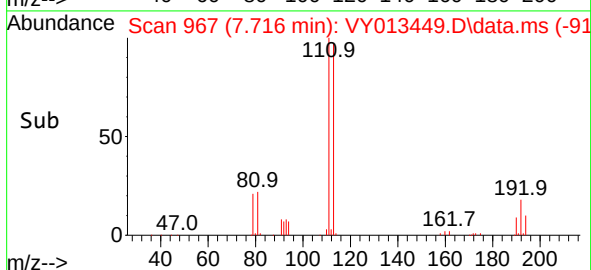
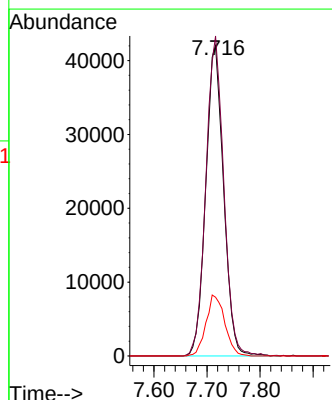
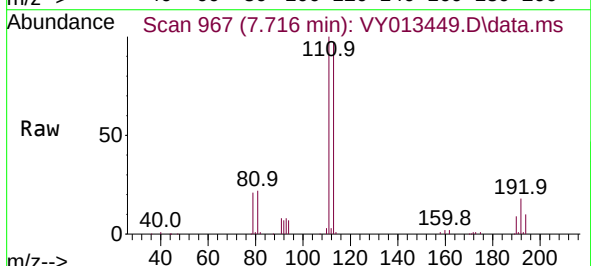
Tgt Ion:113 Resp: 98001

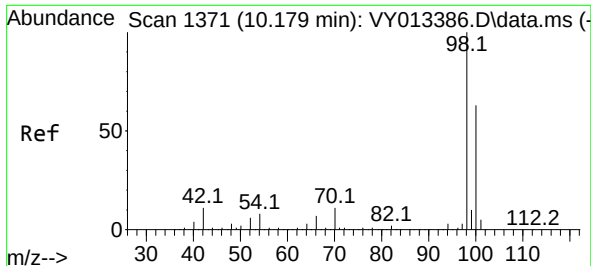
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.2

192 20.7 16.7 25.1

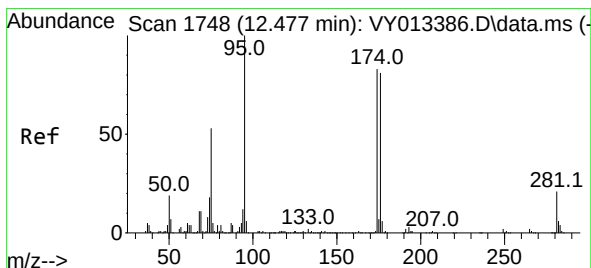
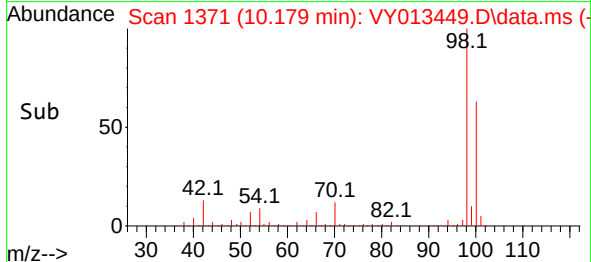
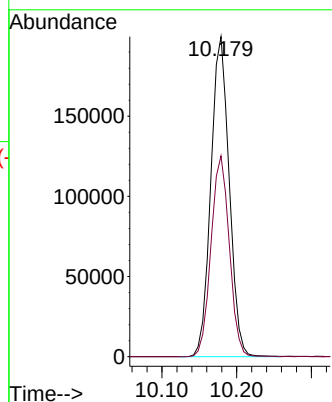
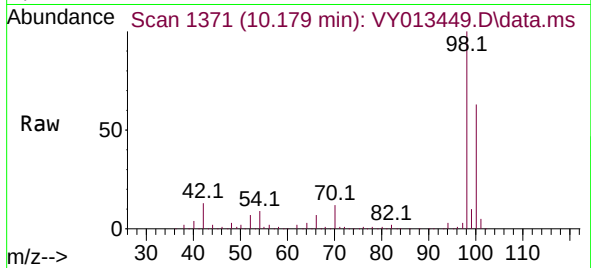




#50
Toluene-d8
Concen: 54.455 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013449.D
Acq: 25 Apr 2023 16:16

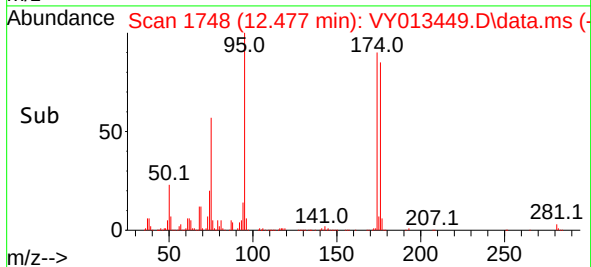
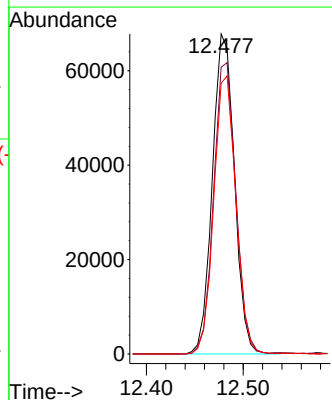
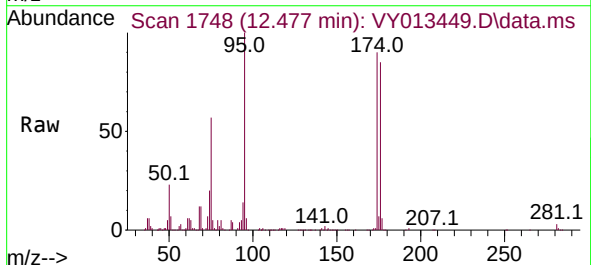
Instrument :
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FP-1

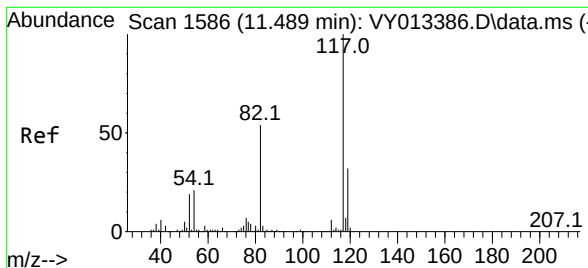
Tgt Ion: 98 Resp: 340119
Ion Ratio Lower Upper
98 100
100 62.6 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 51.092 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013449.D
Acq: 25 Apr 2023 16:16

Tgt Ion: 95 Resp: 107580
Ion Ratio Lower Upper
95 100
174 91.6 0.0 182.0
176 87.1 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013449.D

Acq: 25 Apr 2023 16:16

Instrument :

MSVOA_Y

ClientSampleId :

FP-1

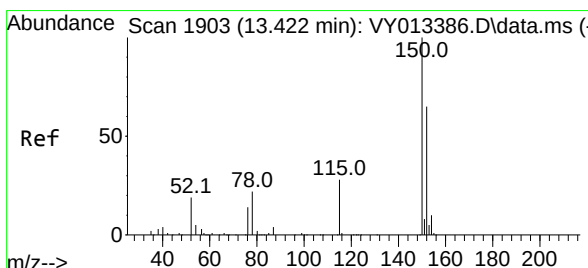
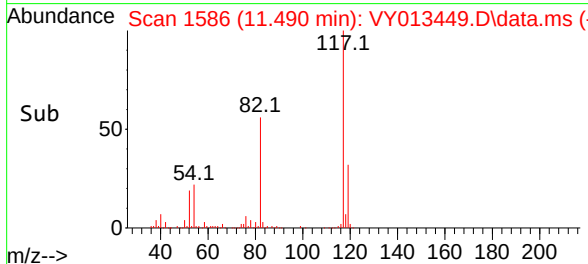
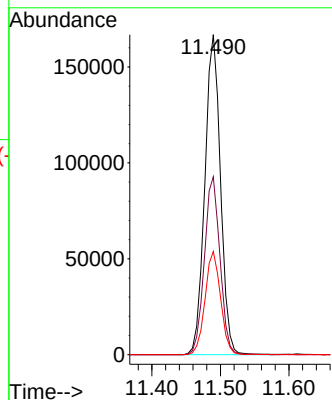
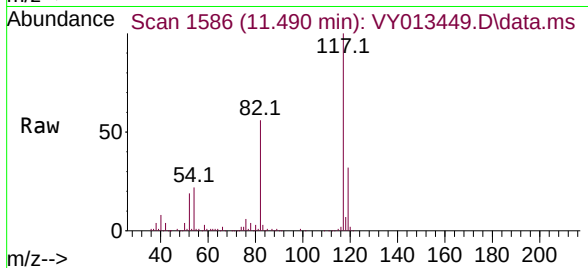
Tgt Ion:117 Resp: 265548

Ion Ratio Lower Upper

117 100

82 55.6 43.0 64.6

119 32.2 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013449.D

Acq: 25 Apr 2023 16:16

Tgt Ion:152 Resp: 124166

Ion Ratio Lower Upper

152 100

115 57.2 28.1 84.2

150 159.0 0.0 352.0

