

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050223\
 Data File : VY013563.D
 Acq On : 02 May 2023 17:44
 Operator : KP/MD
 Sample : 02583-05
 Misc : 13.77g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CF-25

Quant Time: May 03 01:34:54 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	7.783	168	198835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	338660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	337647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	154838	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	160770	73.759	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	147.520%
35) Dibromofluoromethane	7.716	113	120900	56.760	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.520%
50) Toluene-d8	10.179	98	419630	55.380	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.760%
62) 4-Bromofluorobenzene	12.477	95	136652	53.494	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.980%

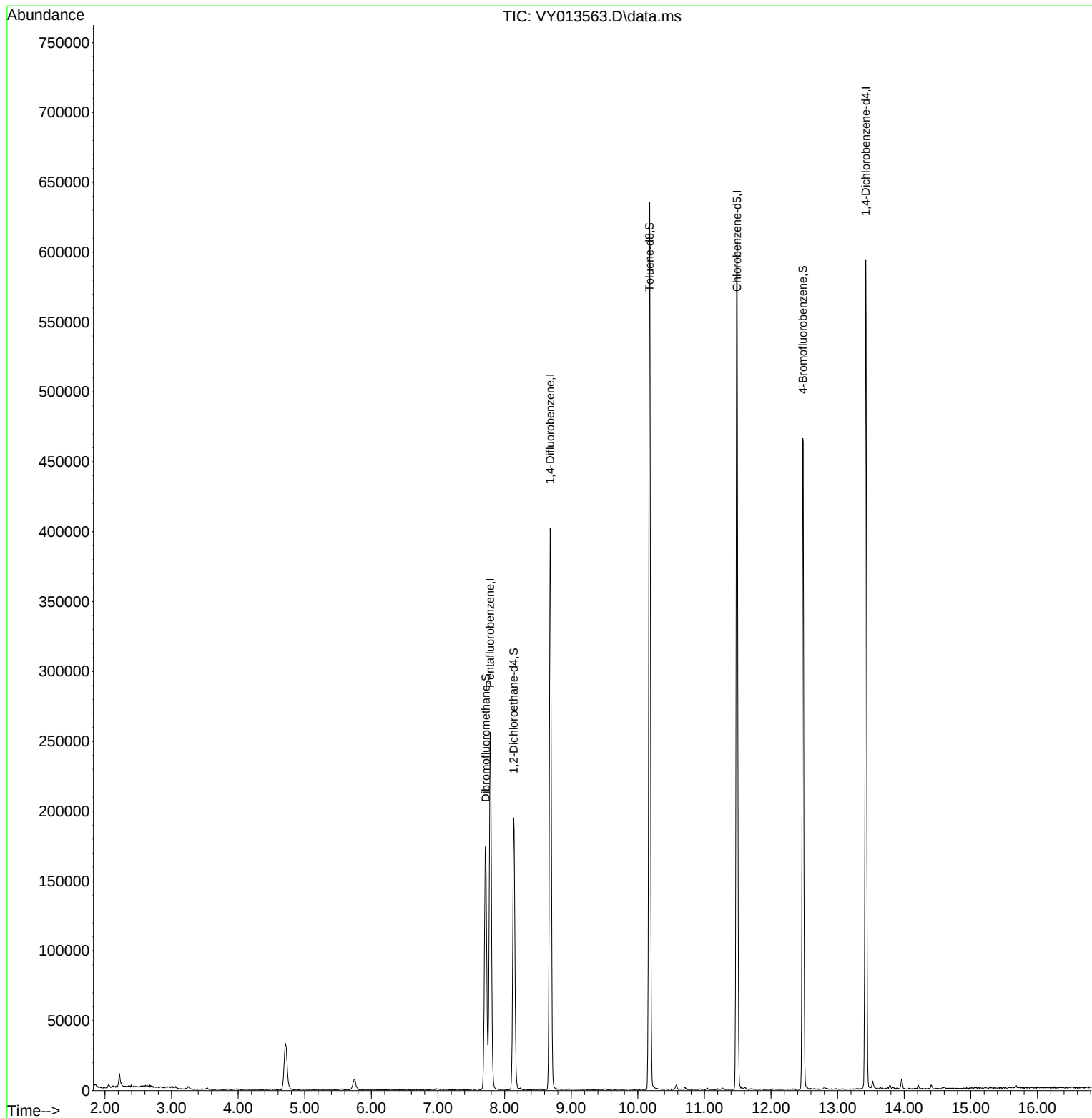
Target Compounds	Qvalue

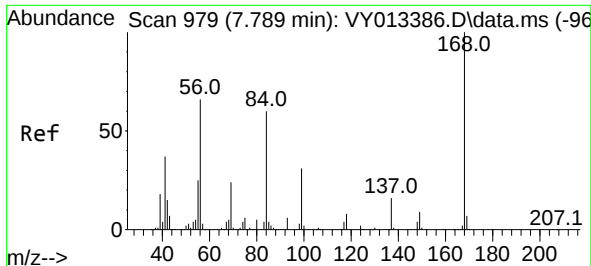
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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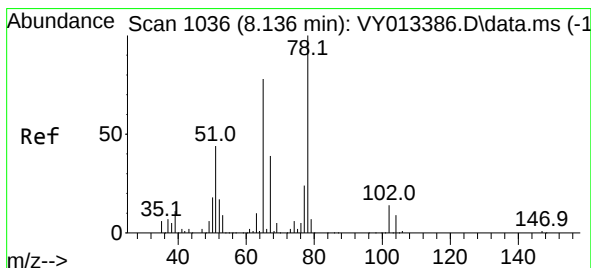
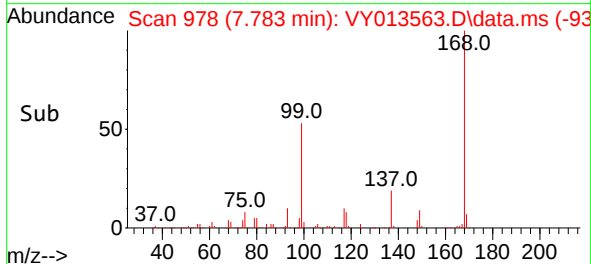
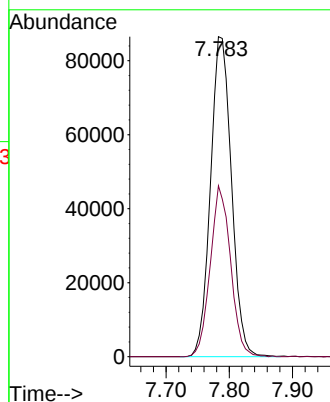
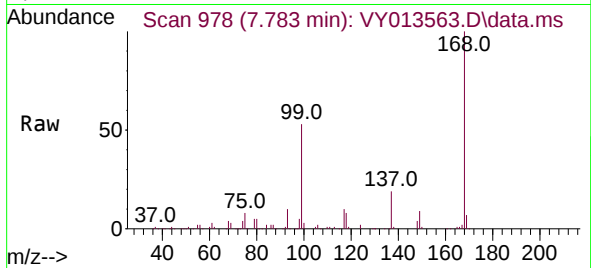




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013563.D
Acq: 02 May 2023 17:44

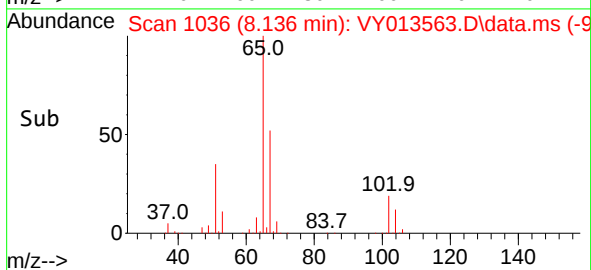
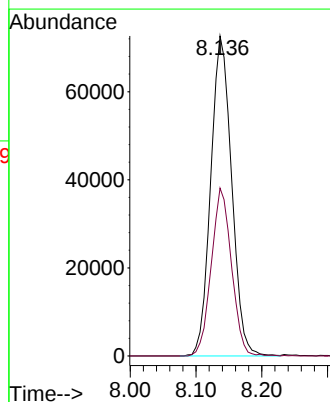
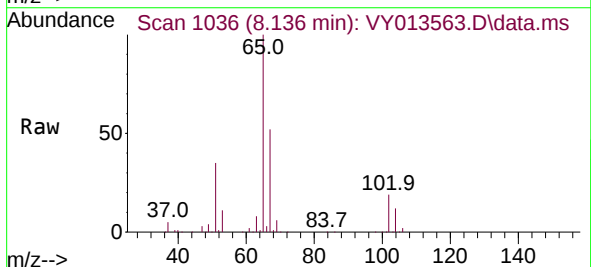
Instrument :
MSVOA_Y
ClientSampleId :
CF-25

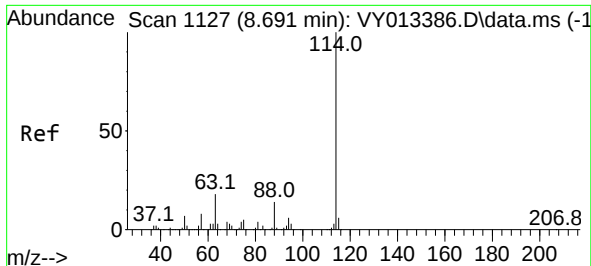
Tgt Ion:168 Resp: 198835
Ion Ratio Lower Upper
168 100
99 53.4 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 73.759 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013563.D
Acq: 02 May 2023 17:44

Tgt Ion: 65 Resp: 160770
Ion Ratio Lower Upper
65 100
67 50.7 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: VY013563.D

Acq: 02 May 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

CF-25

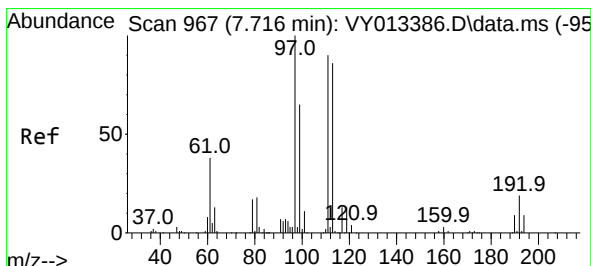
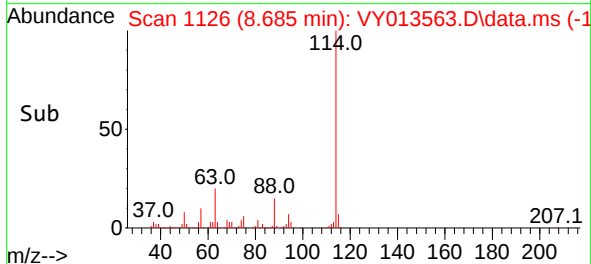
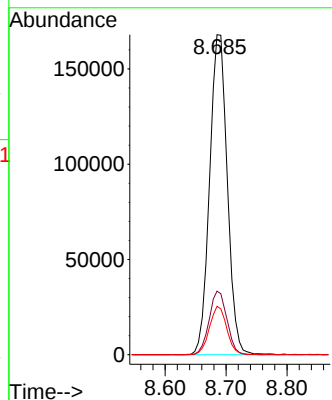
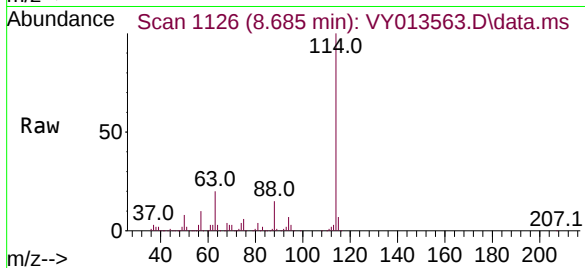
Tgt Ion:114 Resp: 338660

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.6

88 15.1 0.0 28.8



#35

Dibromofluoromethane

Concen: 56.760 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013563.D

Acq: 02 May 2023 17:44

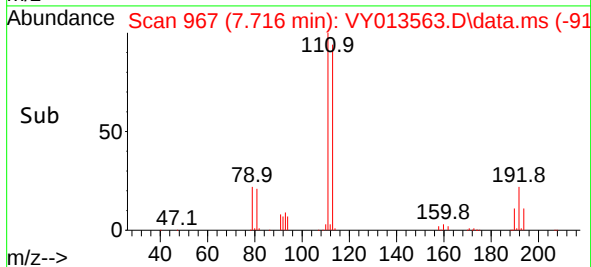
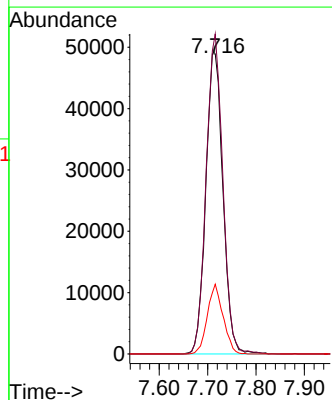
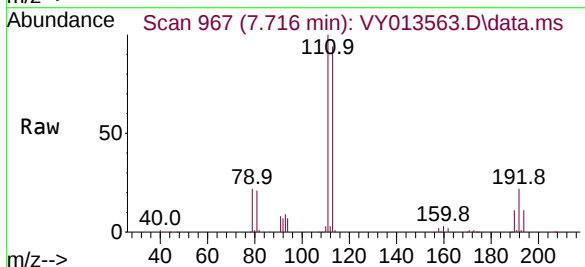
Tgt Ion:113 Resp: 120900

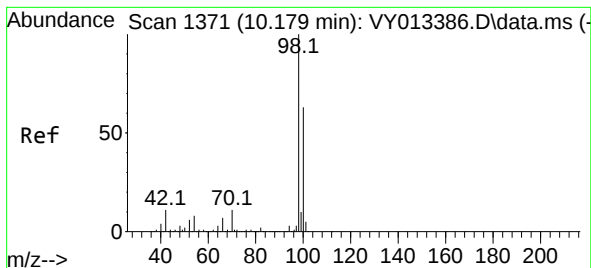
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.2

192 21.3 16.7 25.1

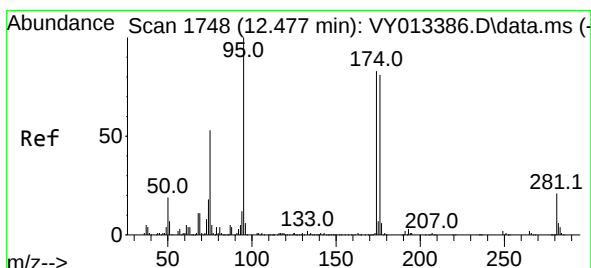
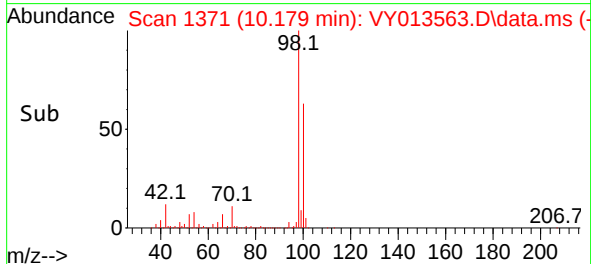
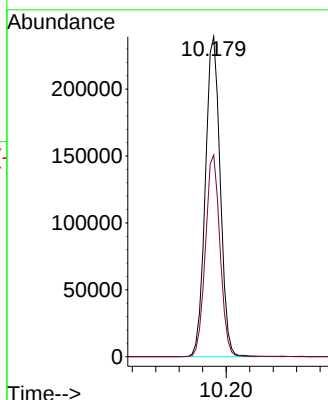
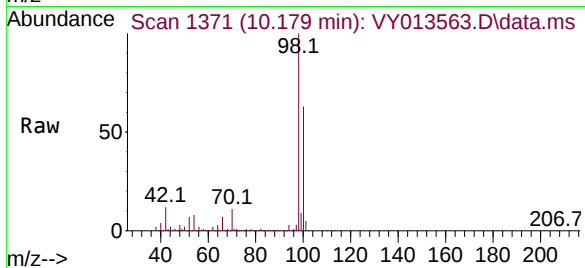




#50
Toluene-d8
Concen: 55.380 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013563.D
Acq: 02 May 2023 17:44

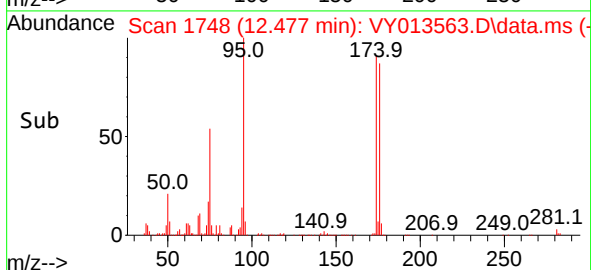
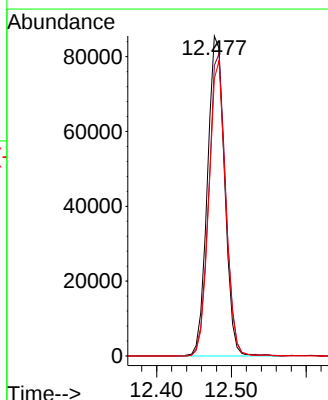
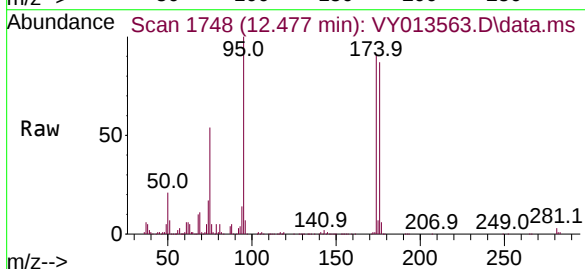
Instrument :
MSVOA_Y
ClientSampleId :
CF-25

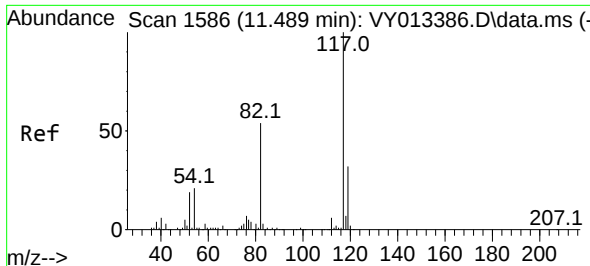
Tgt Ion: 98 Resp: 419630
Ion Ratio Lower Upper
98 100
100 61.8 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 53.494 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013563.D
Acq: 02 May 2023 17:44

Tgt Ion: 95 Resp: 136652
Ion Ratio Lower Upper
95 100
174 93.4 0.0 182.0
176 89.6 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013563.D

Acq: 02 May 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

CF-25

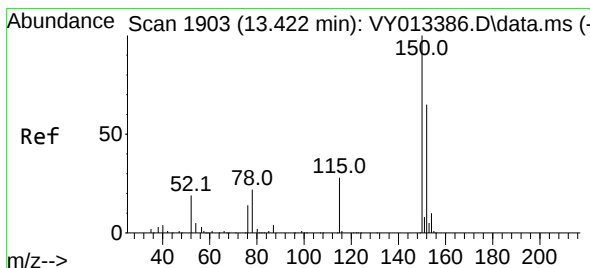
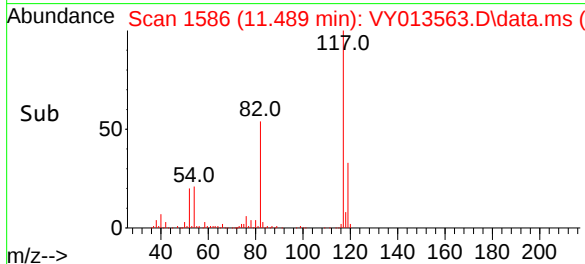
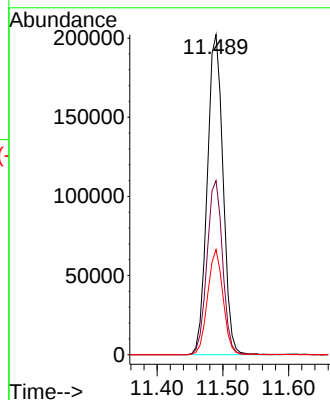
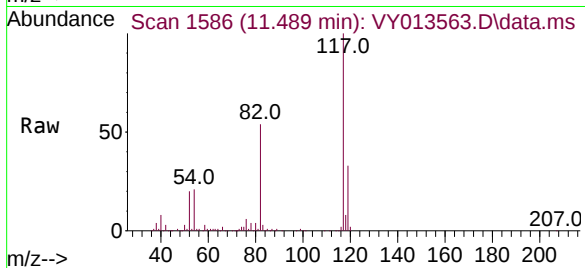
Tgt Ion:117 Resp: 337647

Ion Ratio Lower Upper

117 100

82 54.4 43.0 64.6

119 32.9 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: VY013563.D

Acq: 02 May 2023 17:44

Tgt Ion:152 Resp: 154838

Ion Ratio Lower Upper

152 100

115 55.8 28.1 84.2

150 156.7 0.0 352.0

