

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060623\
 Data File : VY014028.D
 Acq On : 06 Jun 2023 14:15
 Operator : KP/MD
 Sample : 03039-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB30A

Quant Time: Jun 07 01:38:02 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	7.789	168	55497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	83695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	74277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	28456	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	31141	42.389	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.780%
35) Dibromofluoromethane	7.722	113	29017	54.554	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.100%
50) Toluene-d8	10.179	98	99936	49.257	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.520%
62) 4-Bromofluorobenzene	12.483	95	26685	38.580	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.160%

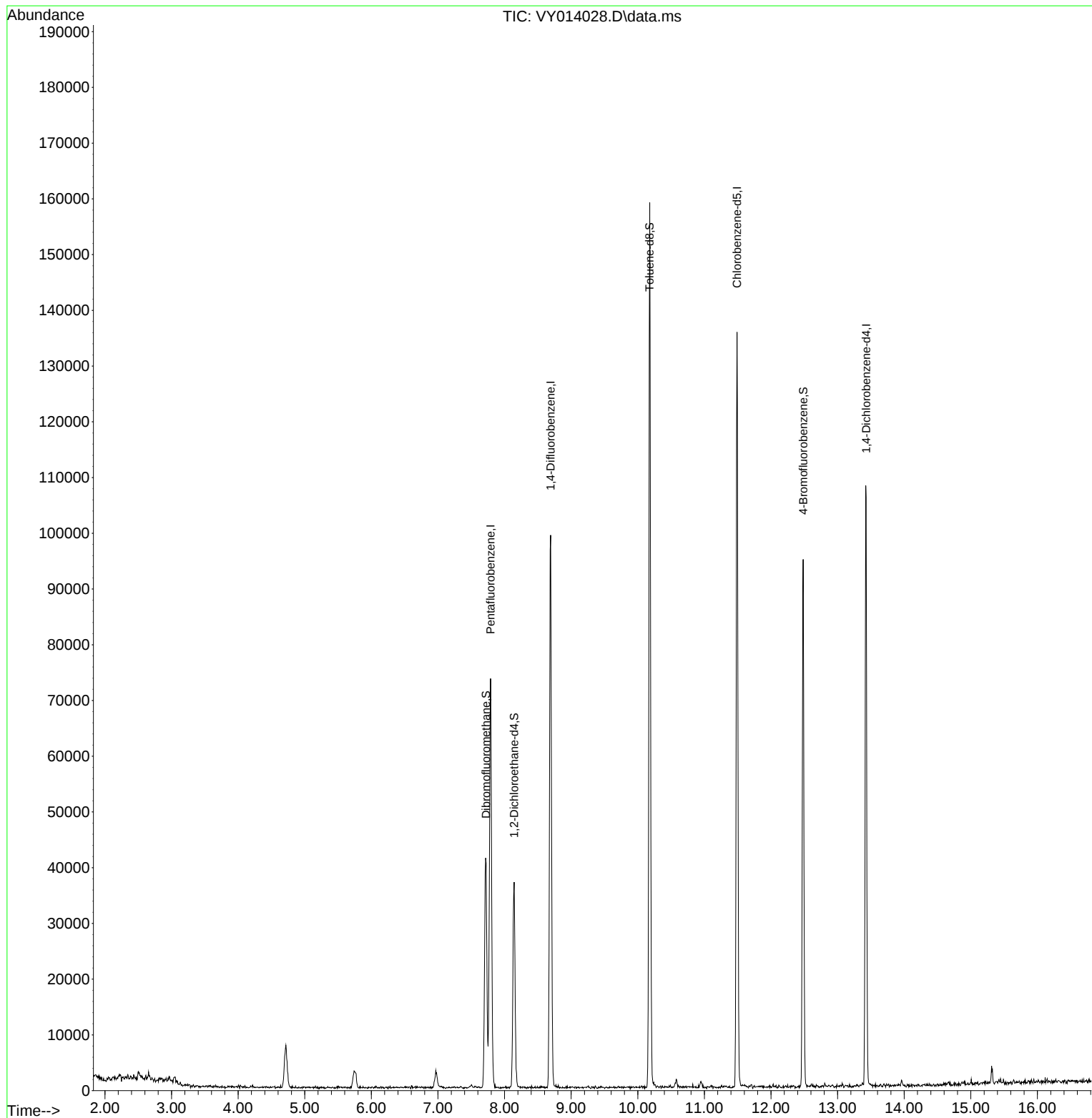
Target Compounds	Qvalue

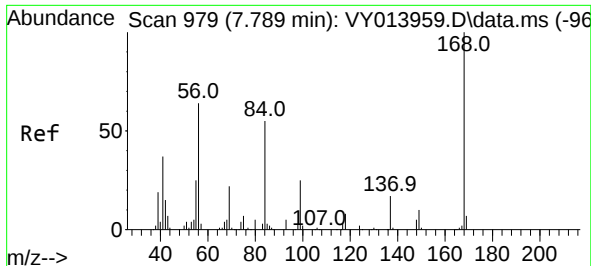
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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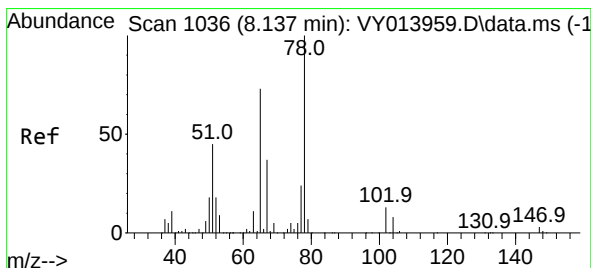
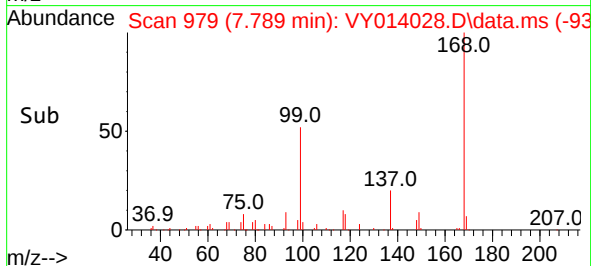
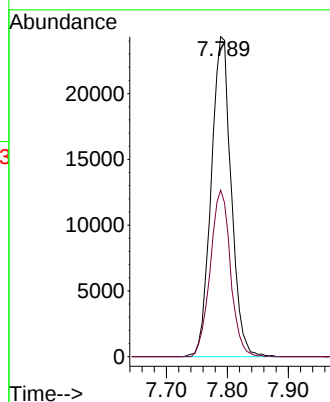
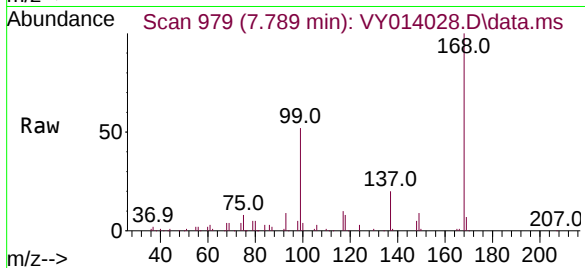




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014028.D
Acq: 06 Jun 2023 14:15

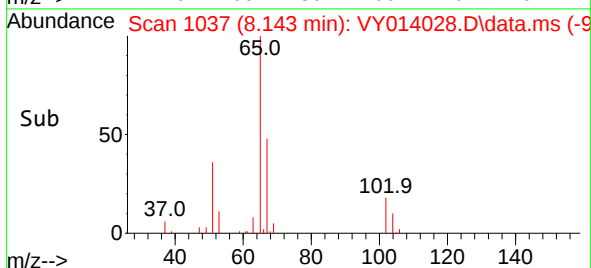
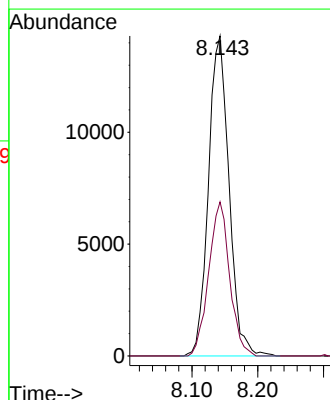
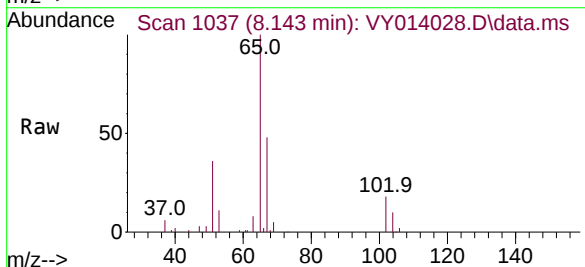
Instrument :
MSVOA_Y
ClientSampleId :
SB30A

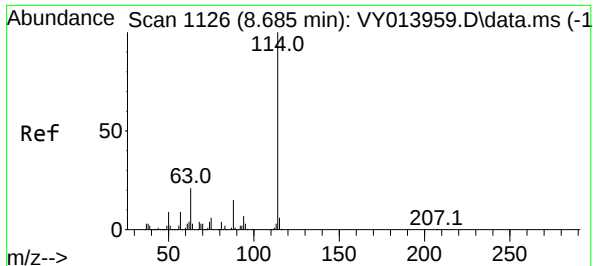
Tgt Ion:168 Resp: 55497
Ion Ratio Lower Upper
168 100
99 52.0 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 42.389 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014028.D
Acq: 06 Jun 2023 14:15

Tgt Ion: 65 Resp: 31141
Ion Ratio Lower Upper
65 100
67 49.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014028.D

Acq: 06 Jun 2023 14:15

Instrument :

MSVOA_Y

ClientSampleId :

SB30A

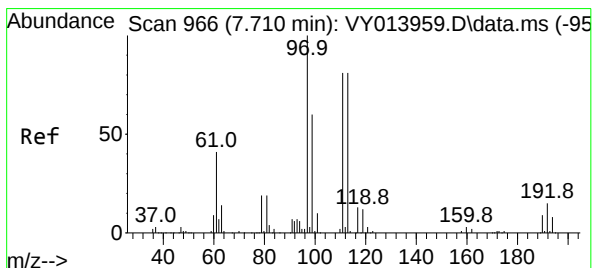
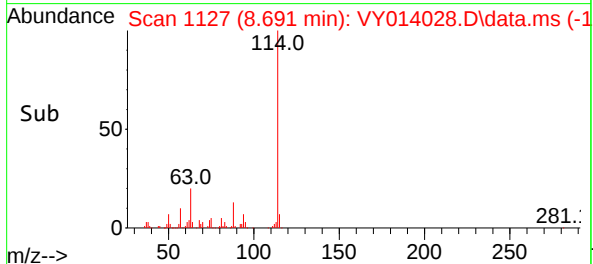
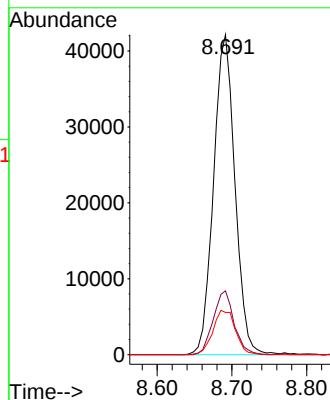
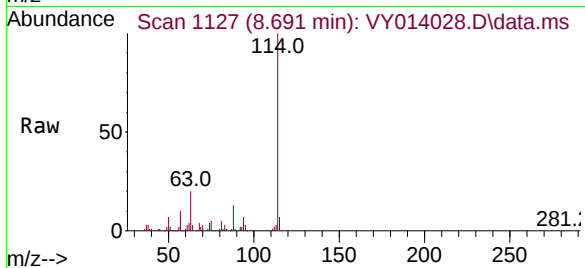
Tgt Ion:114 Resp: 83695

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 13.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.554 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.012 min

Lab File: VY014028.D

Acq: 06 Jun 2023 14:15

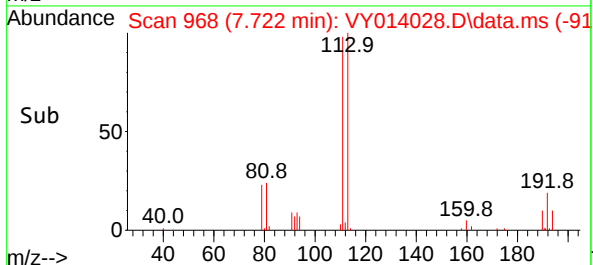
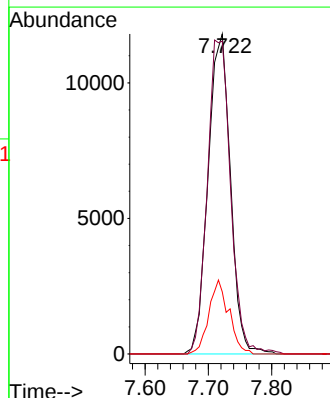
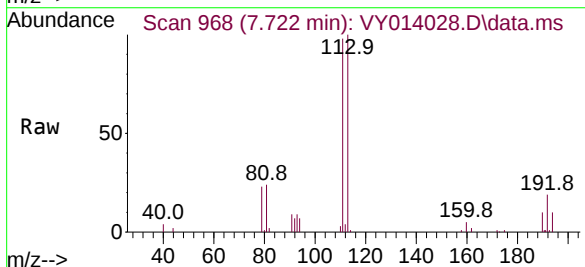
Tgt Ion:113 Resp: 29017

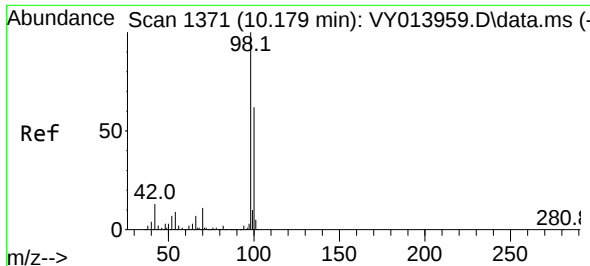
Ion Ratio Lower Upper

113 100

111 102.0 81.3 121.9

192 20.8 16.9 25.3

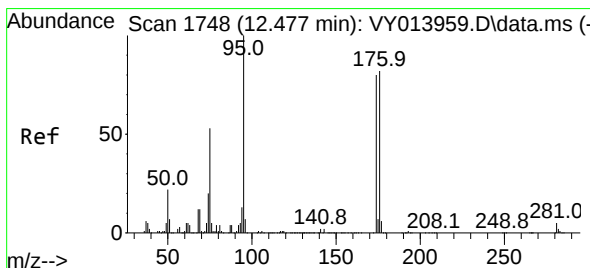
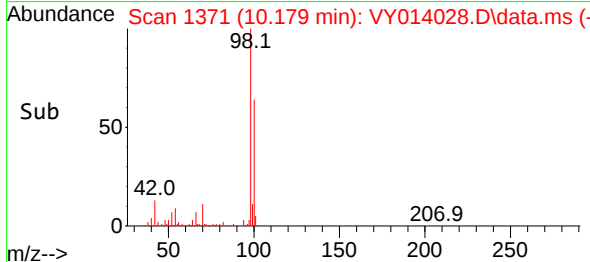
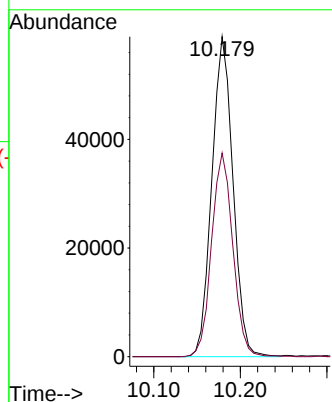
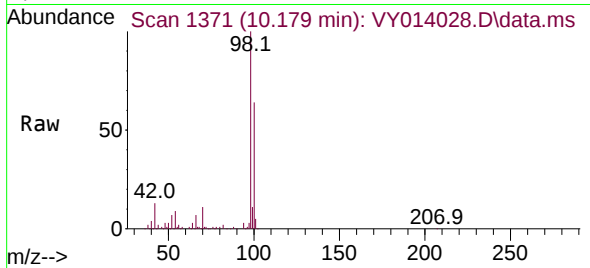




#50
Toluene-d8
Concen: 49.257 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014028.D
Acq: 06 Jun 2023 14:15

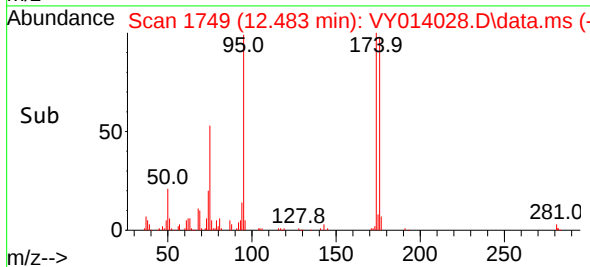
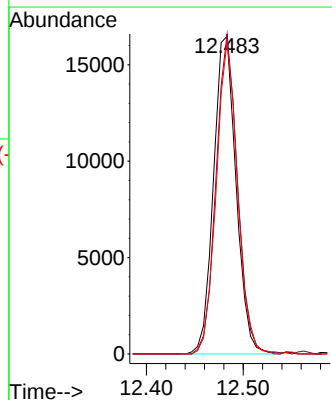
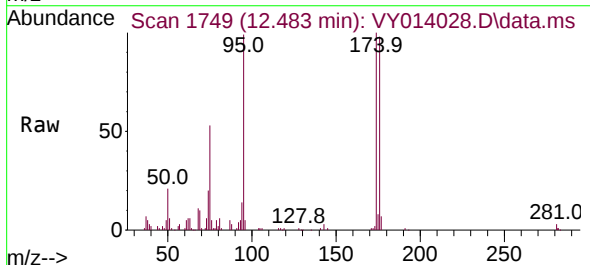
Instrument :
MSVOA_Y
ClientSampleId :
SB30A

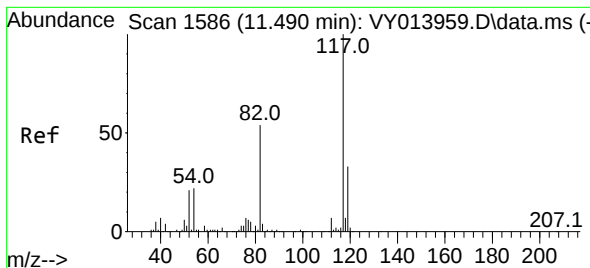
Tgt Ion: 98 Resp: 99936
Ion Ratio Lower Upper
98 100
100 64.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 38.580 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014028.D
Acq: 06 Jun 2023 14:15

Tgt Ion: 95 Resp: 26685
Ion Ratio Lower Upper
95 100
174 95.6 0.0 178.2
176 92.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014028.D

Acq: 06 Jun 2023 14:15

Instrument :

MSVOA_Y

ClientSampleId :

SB30A

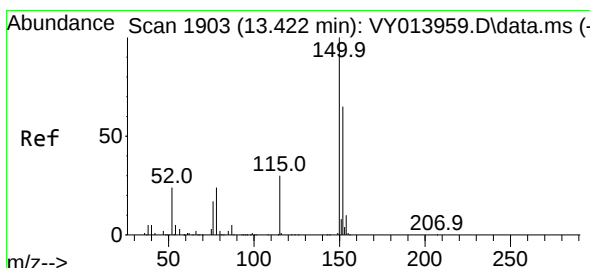
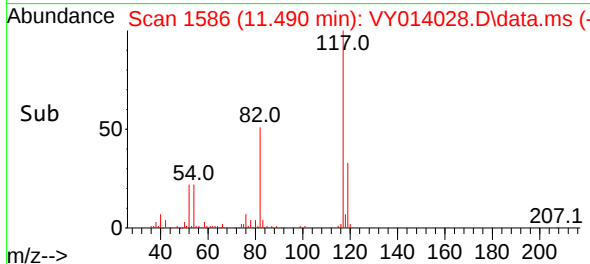
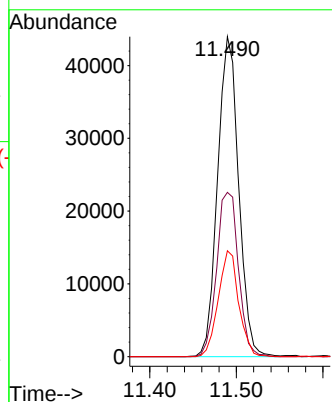
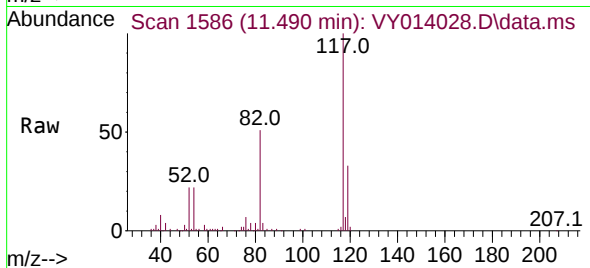
Tgt Ion:117 Resp: 74277

Ion Ratio Lower Upper

117 100

82 51.4 43.4 65.0

119 33.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY014028.D

Acq: 06 Jun 2023 14:15

Tgt Ion:152 Resp: 28456

Ion Ratio Lower Upper

152 100

115 55.9 28.8 86.5

150 159.6 0.0 348.8

