

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052423\
 Data File : VY013849.D
 Acq On : 24 May 2023 16:22
 Operator : KP/MD
 Sample : 02899-08
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB14

Quant Time: May 25 07:09:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

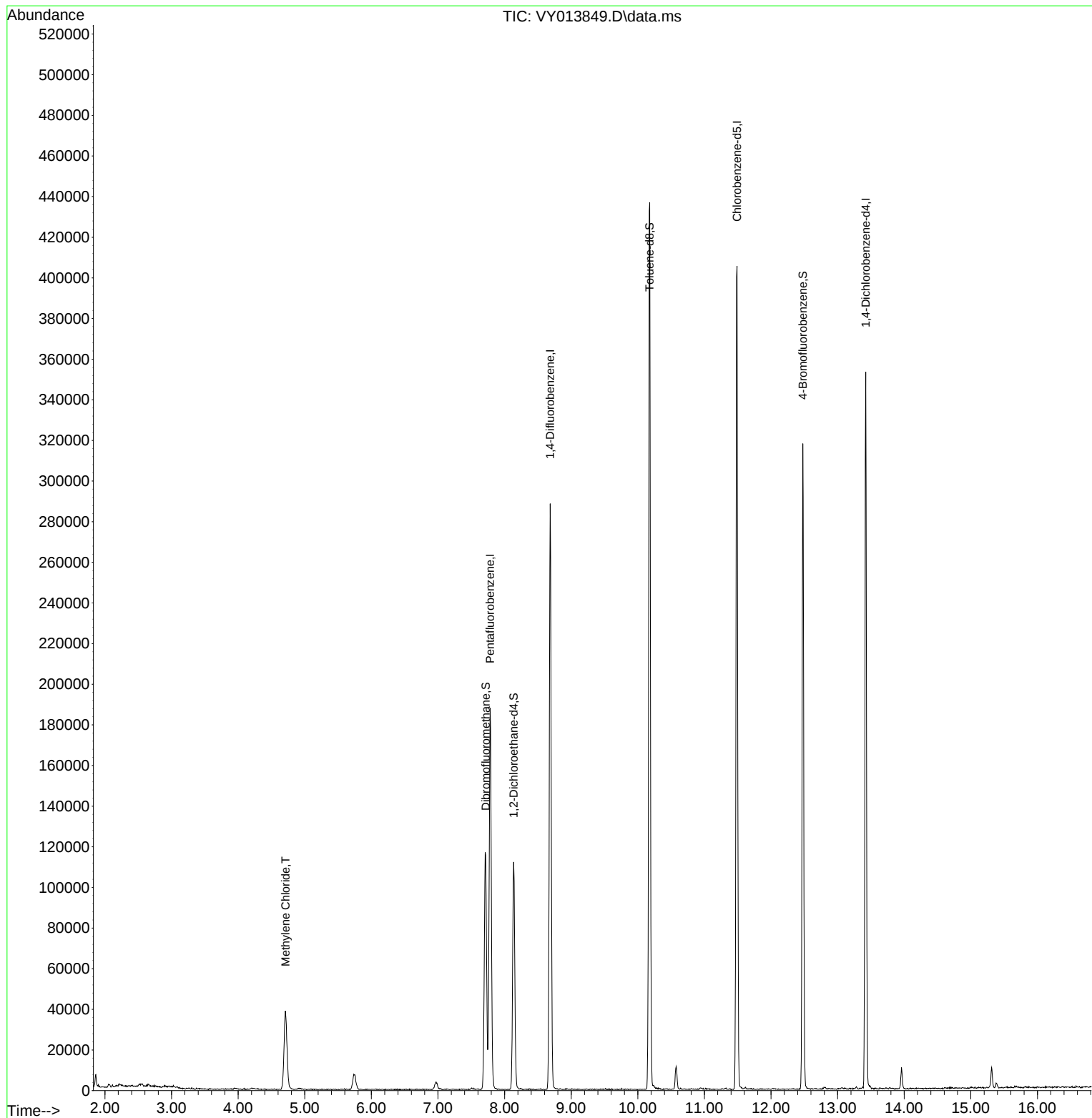
Internal Standards						
1) Pentafluorobenzene	7.783	168	142838	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	239114	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.490	117	224405	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	90448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	92765	56.136	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.280%
35) Dibromofluoromethane	7.716	113	80309	52.006	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.020%
50) Toluene-d8	10.179	98	288334	49.128	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.260%
62) 4-Bromofluorobenzene	12.477	95	86076	44.122	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.240%
Target Compounds						
						Qvalue
20) Methylene Chloride	4.710	84	27914	14.235	ug/l	96

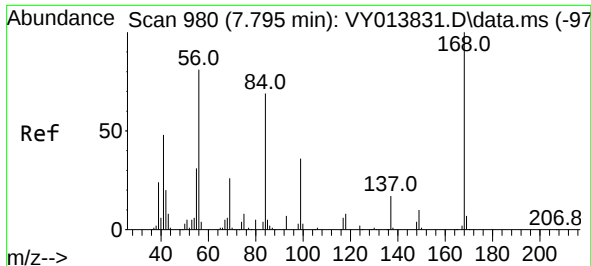
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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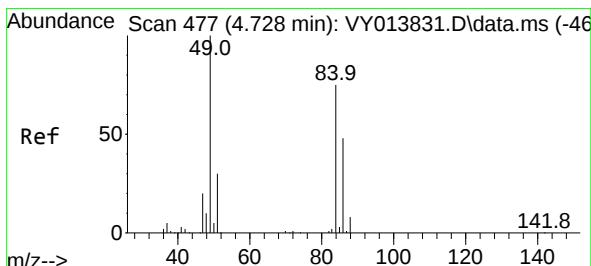
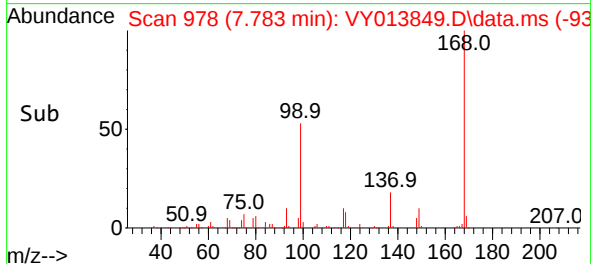
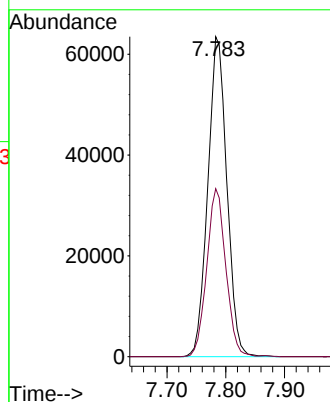
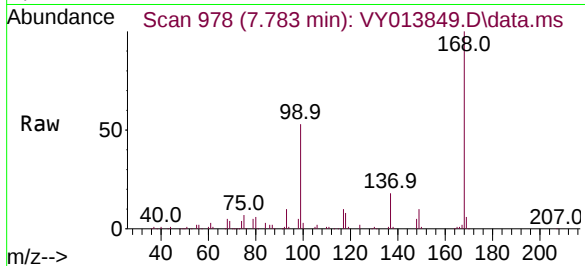




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013849.D
Acq: 24 May 2023 16:22

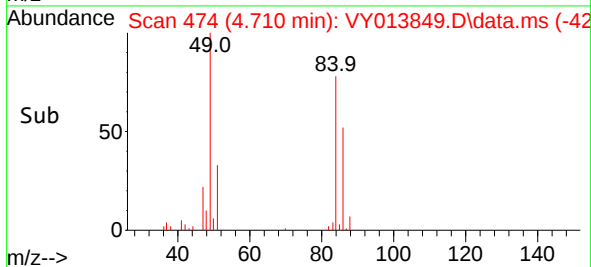
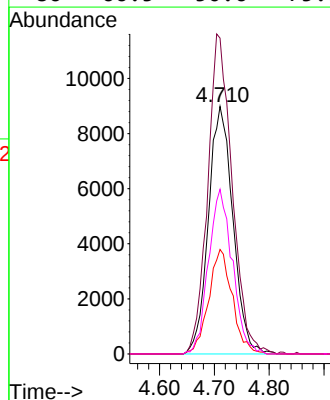
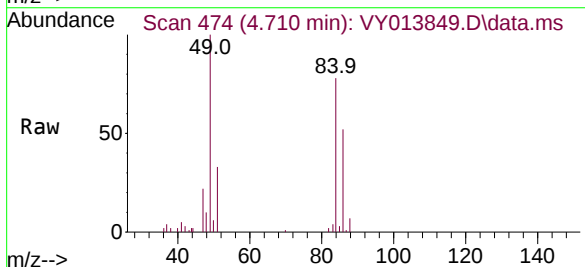
Instrument :
MSVOA_Y
ClientSampleId :
SB14

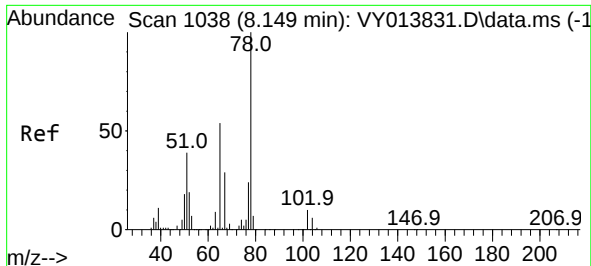
Tgt Ion:168 Resp: 142838
Ion Ratio Lower Upper
168 100
99 52.5 43.4 65.2



#20
Methylene Chloride
Concen: 14.235 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.018 min
Lab File: VY013849.D
Acq: 24 May 2023 16:22

Tgt Ion: 84 Resp: 27914
Ion Ratio Lower Upper
84 100
49 127.7 106.2 159.2
51 42.2 31.4 47.0
86 66.5 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 56.136 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY013849.D

Acq: 24 May 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

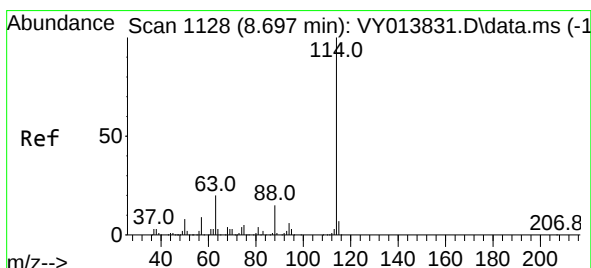
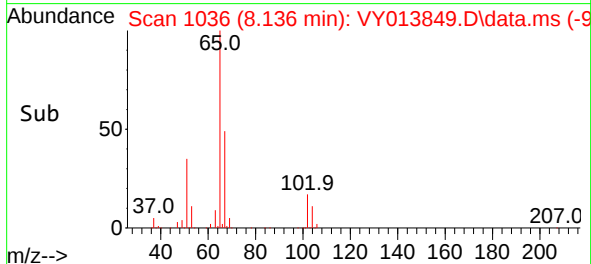
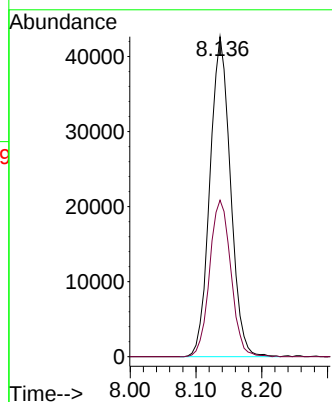
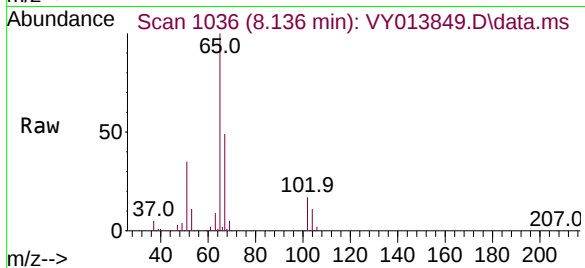
SB14

Tgt Ion: 65 Resp: 92765

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.012 min

Lab File: VY013849.D

Acq: 24 May 2023 16:22

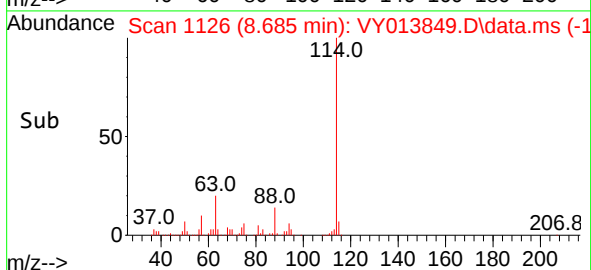
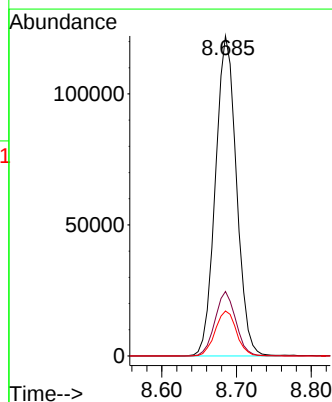
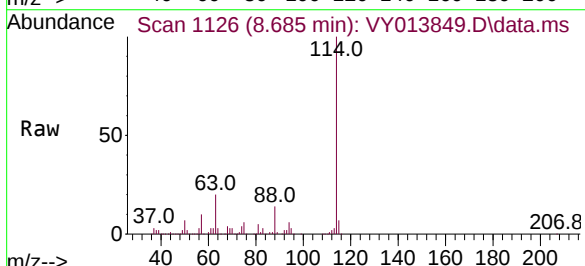
Tgt Ion: 114 Resp: 239114

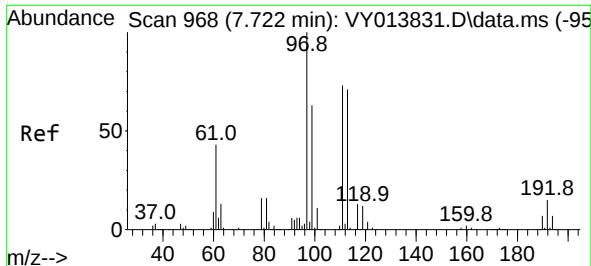
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.2

88 14.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.006 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY013849.D

Acq: 24 May 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

SB14

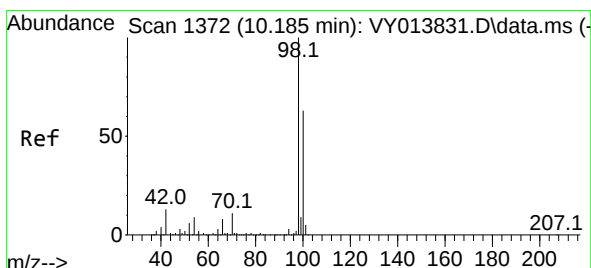
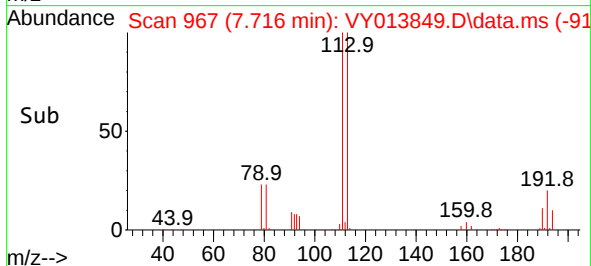
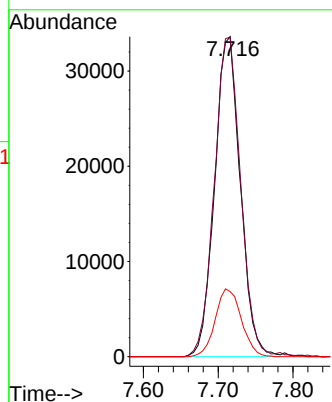
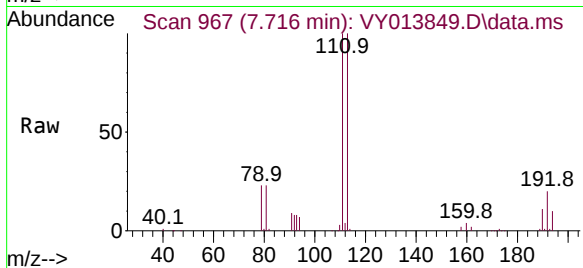
Tgt Ion:113 Resp: 80309

Ion Ratio Lower Upper

113 100

111 102.5 80.4 120.6

192 21.6 16.6 25.0



#50

Toluene-d8

Concen: 49.128 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.006 min

Lab File: VY013849.D

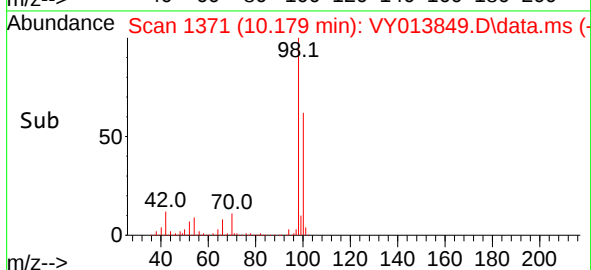
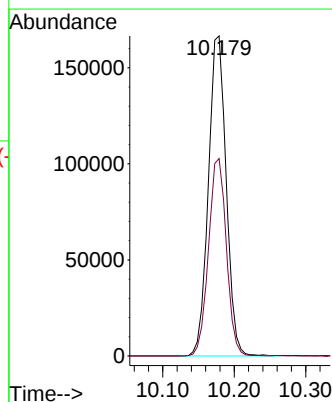
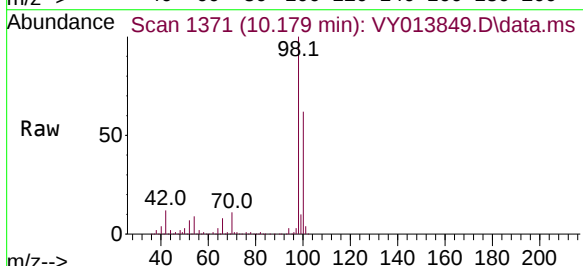
Acq: 24 May 2023 16:22

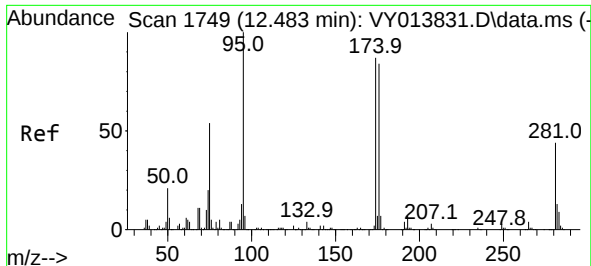
Tgt Ion: 98 Resp: 288334

Ion Ratio Lower Upper

98 100

100 61.9 50.8 76.2

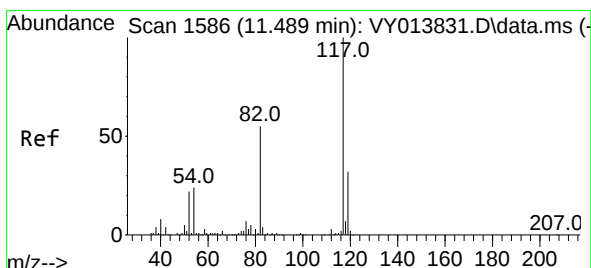
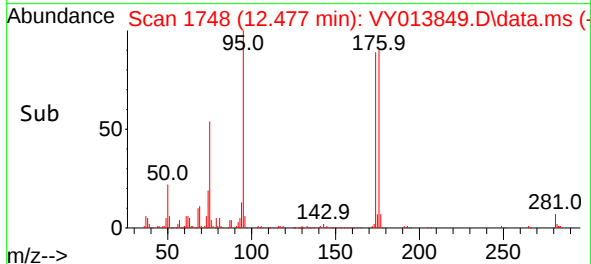
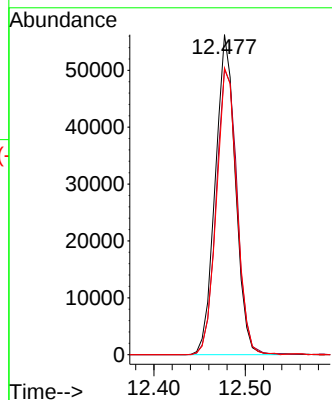
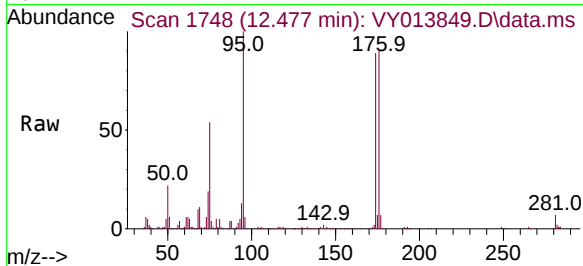




#62
4-Bromofluorobenzene
Concen: 44.122 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013849.D
Acq: 24 May 2023 16:22

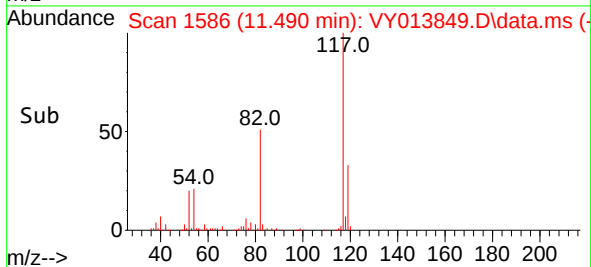
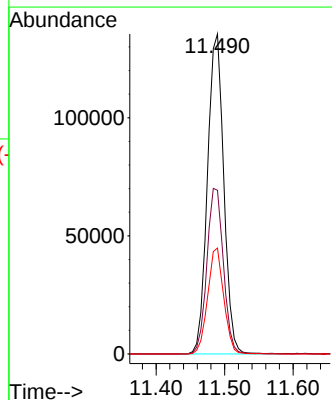
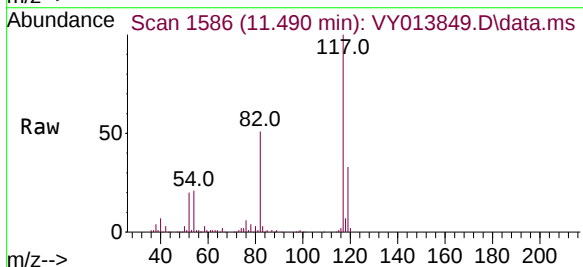
Instrument :
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ClientSampleId :
SB14

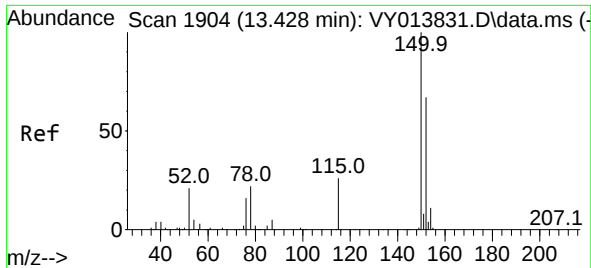
Tgt Ion: 95 Resp: 86076
Ion Ratio Lower Upper
95 100
174 93.3 0.0 176.0
176 90.7 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013849.D
Acq: 24 May 2023 16:22

Tgt Ion: 117 Resp: 224405
Ion Ratio Lower Upper
117 100
82 51.2 44.2 66.4
119 33.1 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY013849.D

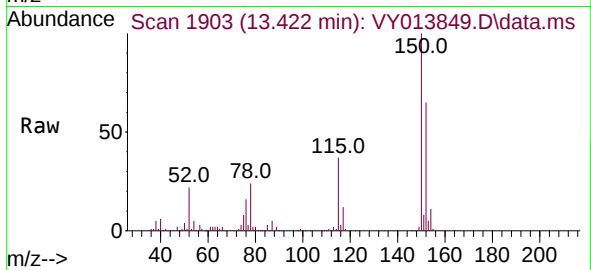
Acq: 24 May 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

SB14



Tgt Ion:152 Resp: 90448

Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.5

150 156.8 0.0 353.4

