

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013876.D
 Acq On : 25 May 2023 16:23
 Operator : KP/MD
 Sample : 02869-21
 Misc : 4.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP22

Quant Time: May 26 04:34:28 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)

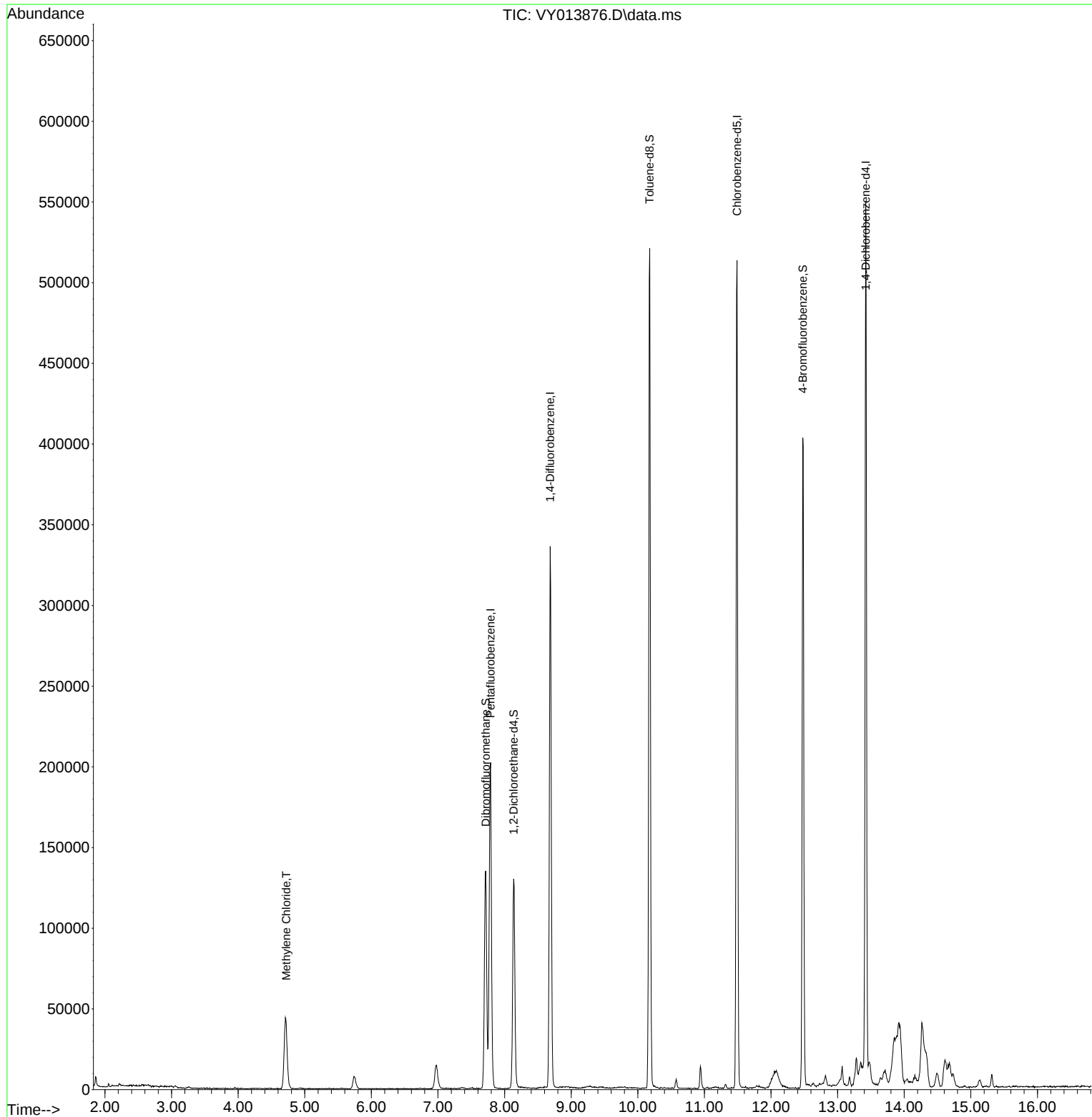
Internal Standards						
1) Pentafluorobenzene	7.789	168	156937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	278200	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.490	117	273976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	105800	58.273	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.540%	
35) Dibromofluoromethane	7.716	113	92745	51.622	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.240%	
50) Toluene-d8	10.179	98	342618	50.175	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.360%	
62) 4-Bromofluorobenzene	12.477	95	115086	50.704	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.400%	
Target Compounds						Qvalue
20) Methylene Chloride	4.722	84	32726	15.369	ug/l	87

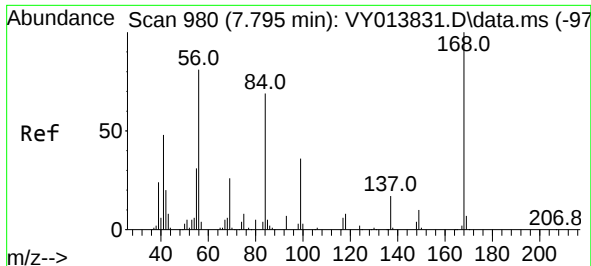
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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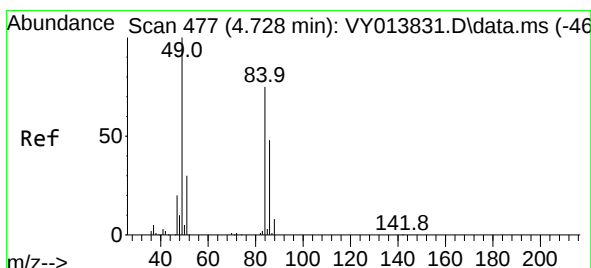
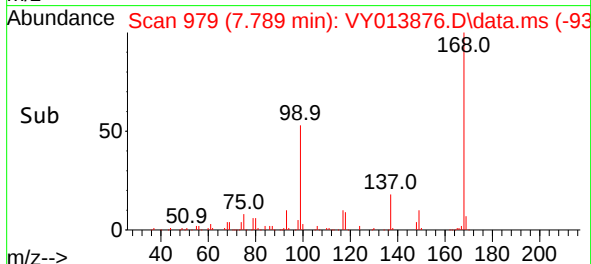
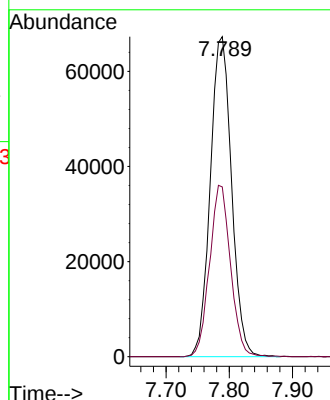
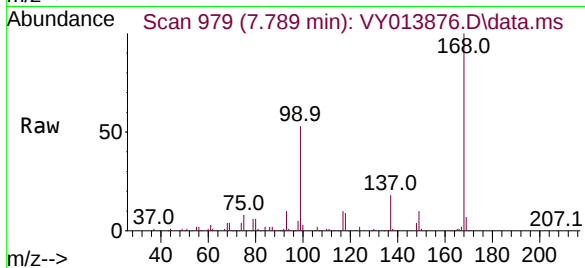




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

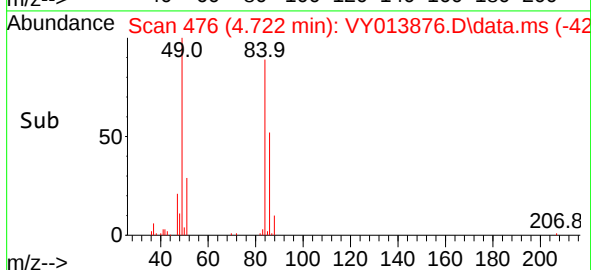
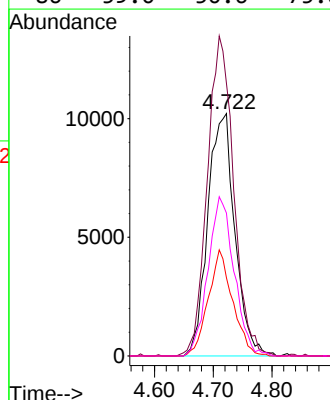
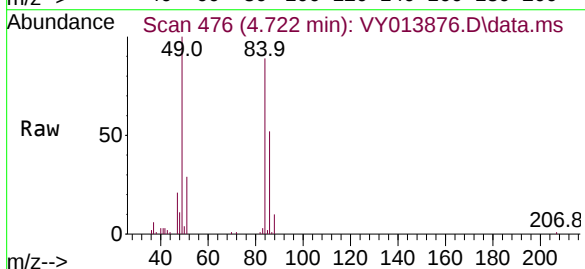
Instrument :
MSVOA_Y
ClientSampleId :
TP22

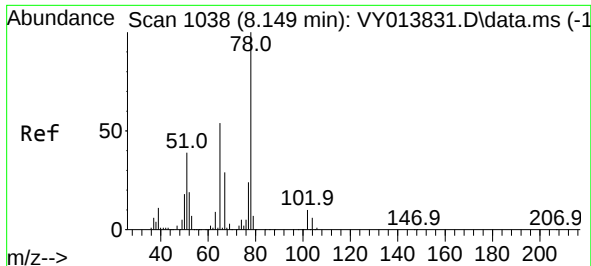
Tgt Ion:168 Resp: 156937
Ion Ratio Lower Upper
168 100
99 53.0 43.4 65.2



#20
Methylene Chloride
Concen: 15.369 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.006 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

Tgt Ion: 84 Resp: 32726
Ion Ratio Lower Upper
84 100
49 112.5 106.2 159.2
51 32.3 31.4 47.0
86 59.0 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 58.273 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY013876.D

Acq: 25 May 2023 16:23

Instrument :

MSVOA_Y

ClientSampleId :

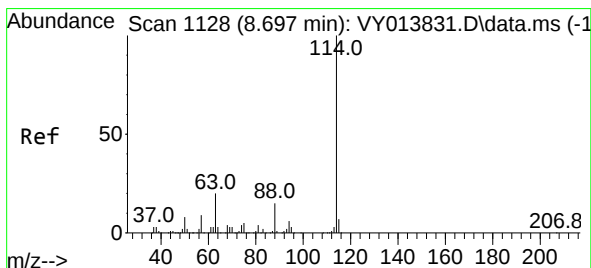
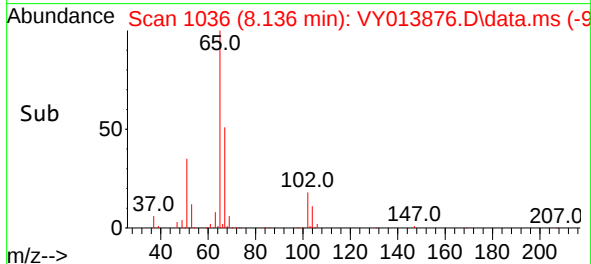
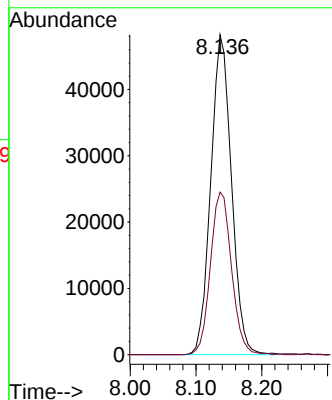
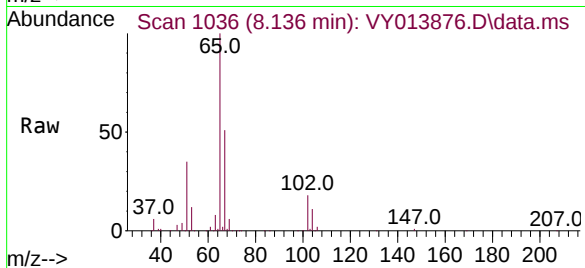
TP22

Tgt Ion: 65 Resp: 105800

Ion Ratio Lower Upper

65 100

67 51.8 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: VY013876.D

Acq: 25 May 2023 16:23

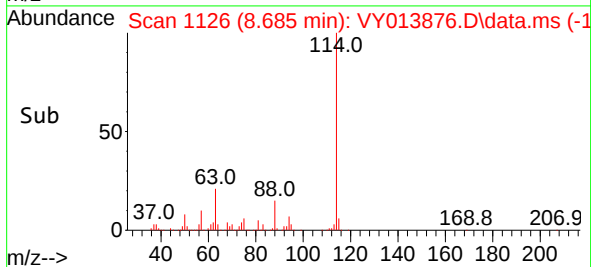
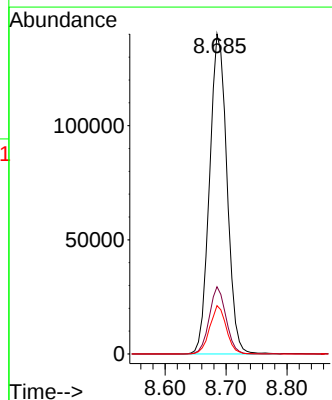
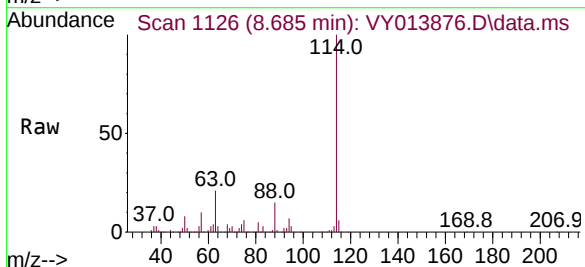
Tgt Ion: 114 Resp: 278200

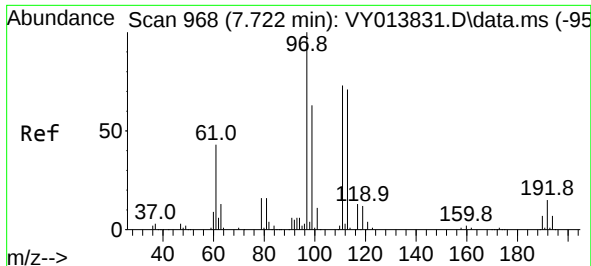
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 15.1 0.0 30.0

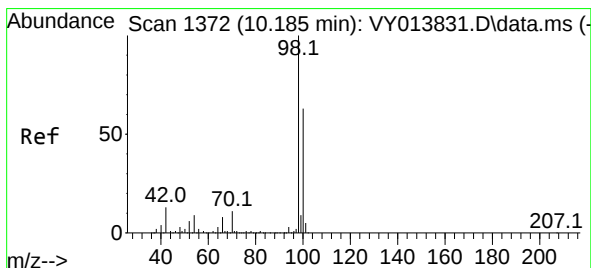
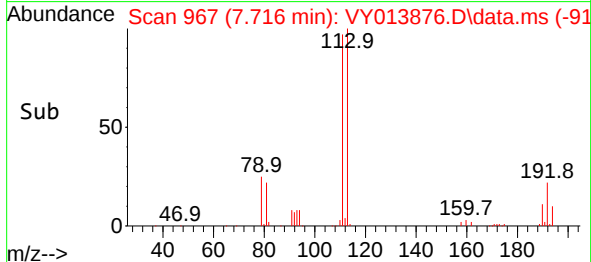
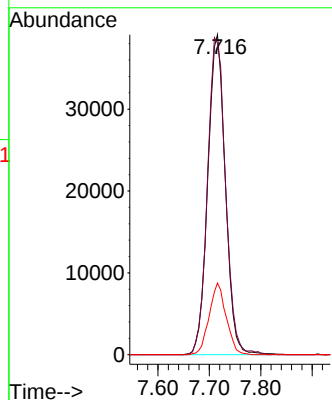
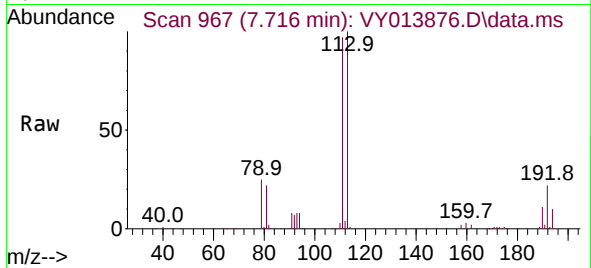




#35
Dibromofluoromethane
Concen: 51.622 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

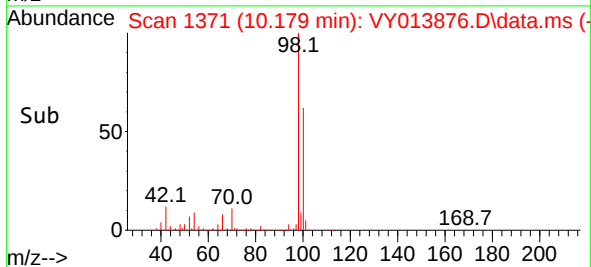
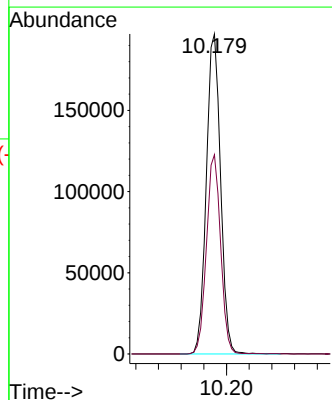
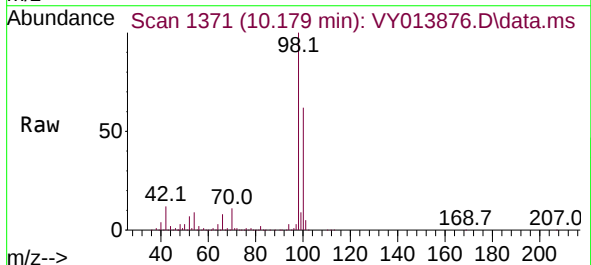
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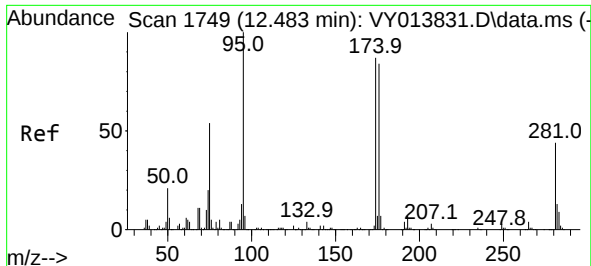
Tgt Ion:113 Resp: 92745
Ion Ratio Lower Upper
113 100
111 101.9 80.4 120.6
192 21.7 16.6 25.0



#50
Toluene-d8
Concen: 50.175 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013876.D
Acq: 25 May 2023 16:23

Tgt Ion: 98 Resp: 342618
Ion Ratio Lower Upper
98 100
100 62.0 50.8 76.2





#62

4-Bromofluorobenzene

Concen: 50.704 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY013876.D

Acq: 25 May 2023 16:23

Instrument :

MSVOA_Y

ClientSampleId :

TP22

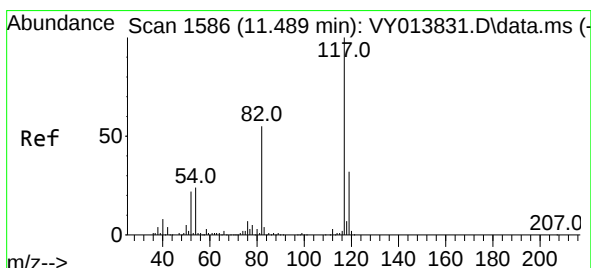
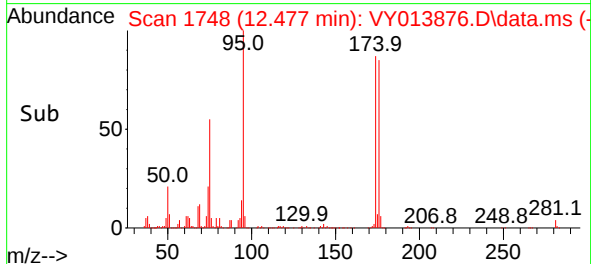
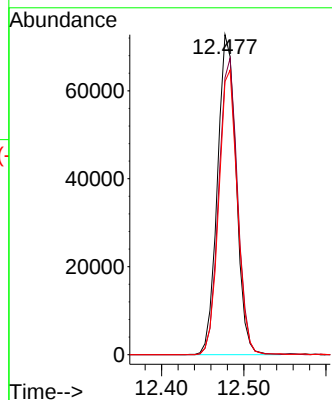
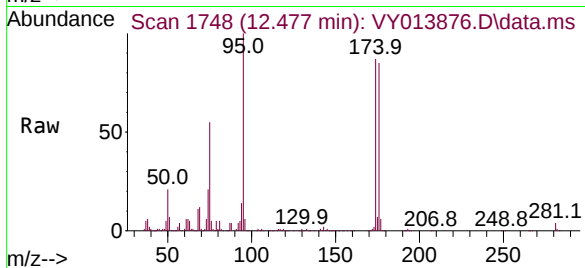
Tgt Ion: 95 Resp: 115086

Ion Ratio Lower Upper

95 100

174 92.8 0.0 176.0

176 88.6 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: VY013876.D

Acq: 25 May 2023 16:23

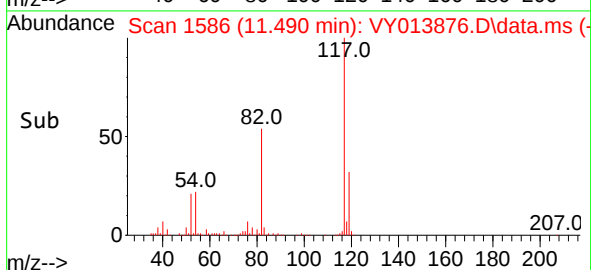
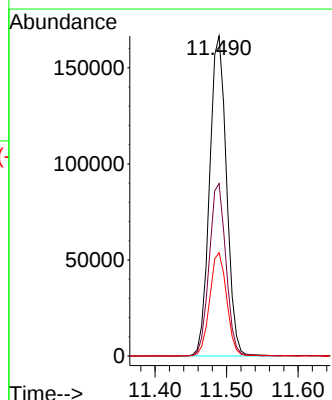
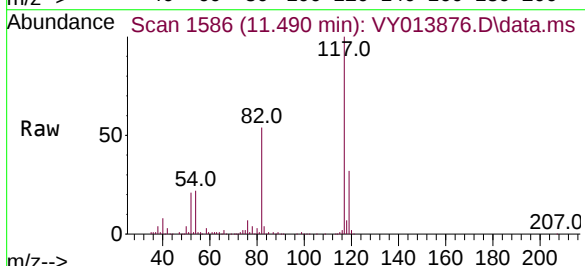
Tgt Ion: 117 Resp: 273976

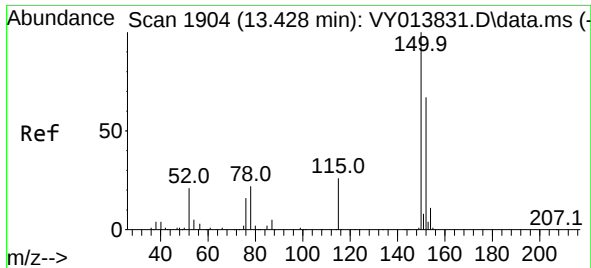
Ion Ratio Lower Upper

117 100

82 53.9 44.2 66.4

119 32.3 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: VY013876.D

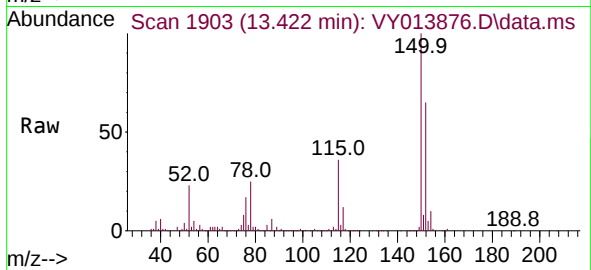
Acq: 25 May 2023 16:23

Instrument :

MSVOA_Y

ClientSampleId :

TP22



Tgt Ion:152 Resp: 133300

Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 156.1 0.0 353.4

