

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010134.D
 Acq On : 20 Aug 2022 04:23
 Operator : KP/MD
 Sample : N4205-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-2

Quant Time: Aug 22 02:53:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

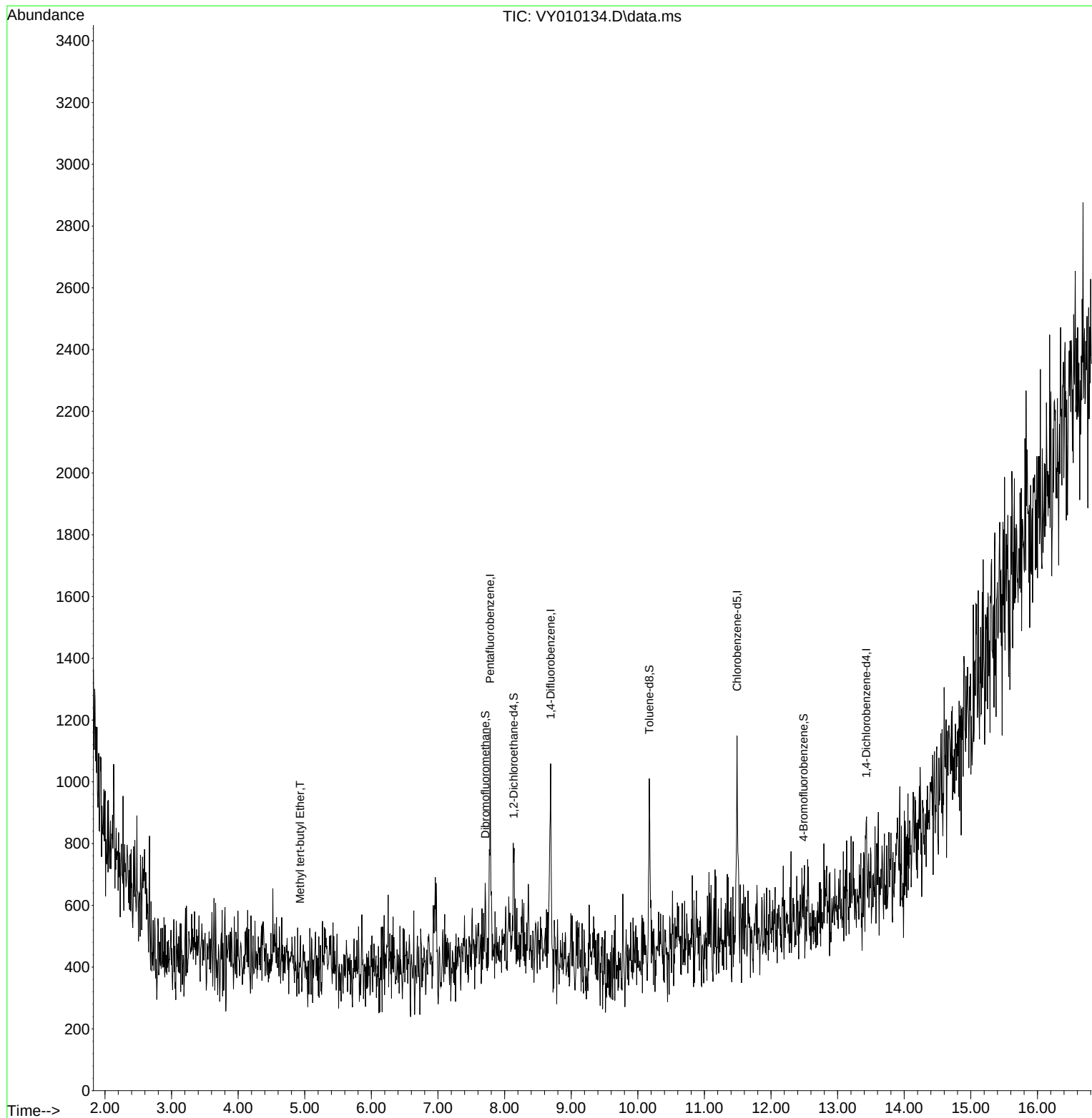
Internal Standards						
1) Pentafluorobenzene	7.783	168	449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	550	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	105	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	272	73.959	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	147.920%
35) Dibromofluoromethane	7.709	113	86	18.866	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	37.740%#
50) Toluene-d8	10.172	98	453	26.520	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	53.040%
62) 4-Bromofluorobenzene	12.489	95	41	6.718	ug/l	0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	=	13.440%#
Target Compounds						
19) Methyl tert-butyl Ether	4.929	73	22	2.145	ug/l	# 53

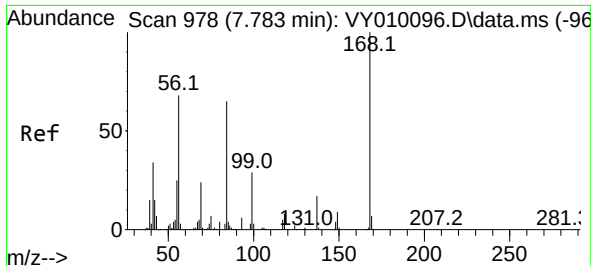
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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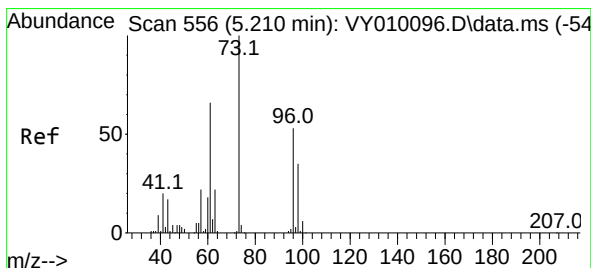
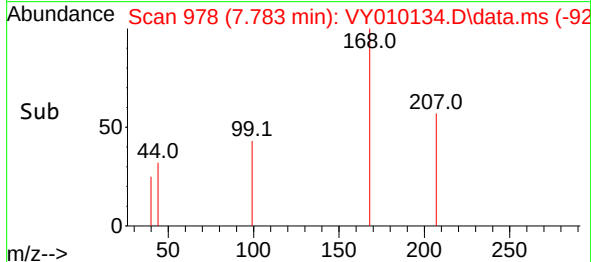
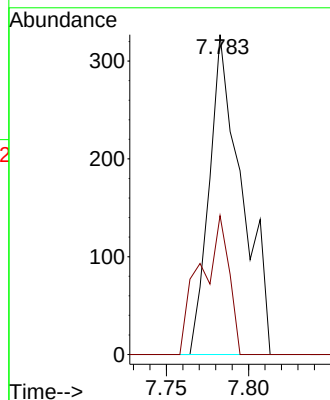
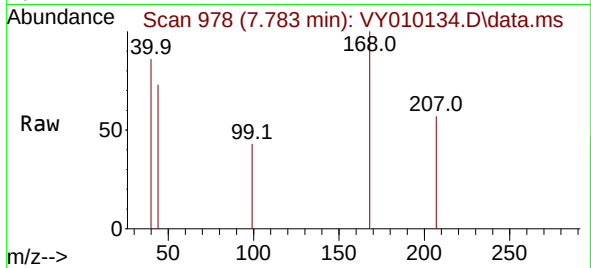




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010134.D
Acq: 20 Aug 2022 04:23

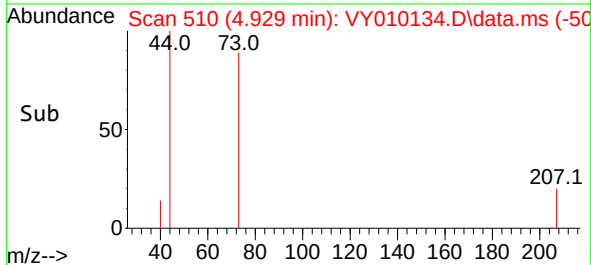
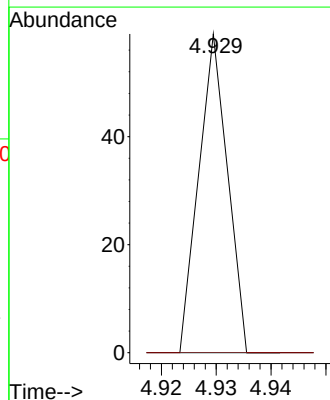
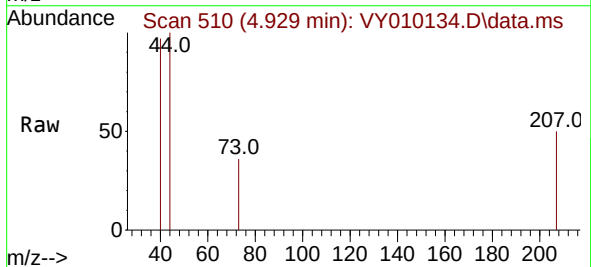
Instrument :
MSVOA_Y
ClientSampleId :
SS-2

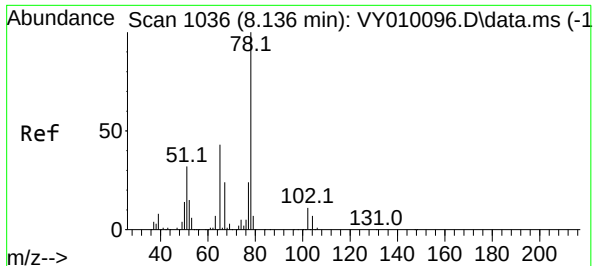
Tgt Ion:168 Resp: 449
Ion Ratio Lower Upper
168 100
99 43.4 40.7 61.1



#19
Methyl tert-butyl Ether
Concen: 2.145 ug/l
RT: 4.929 min Scan# 510
Delta R.T. -0.281 min
Lab File: VY010134.D
Acq: 20 Aug 2022 04:23

Tgt Ion: 73 Resp: 22
Ion Ratio Lower Upper
73 100
57 0.0 17.8 26.8#





#33

1,2-Dichloroethane-d4

Concen: 73.959 ug/l

RT: 8.136 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY010134.D

Acq: 20 Aug 2022 04:23

Instrument :

MSVOA_Y

ClientSampleId :

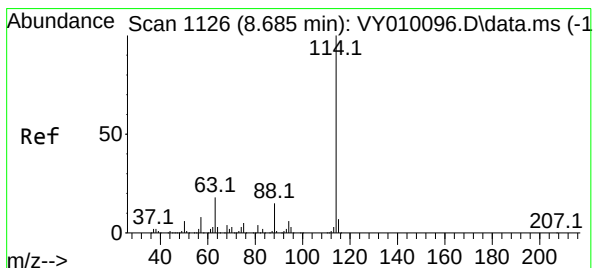
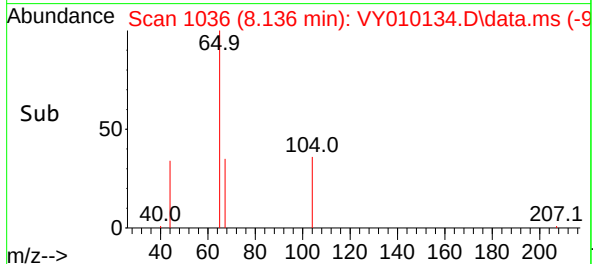
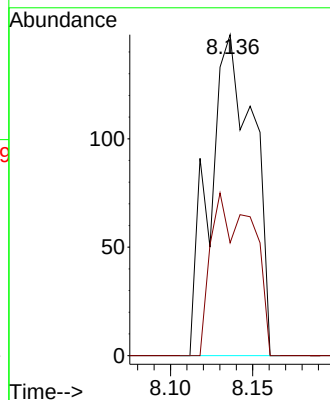
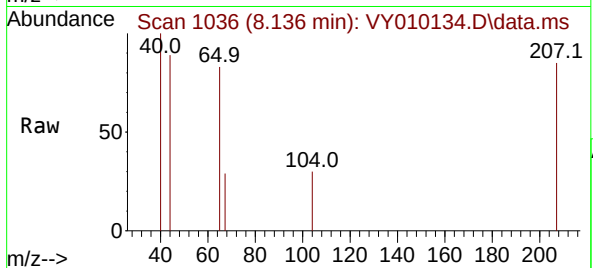
SS-2

Tgt Ion: 65 Resp: 272

Ion Ratio Lower Upper

65 100

67 48.2 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY010134.D

Acq: 20 Aug 2022 04:23

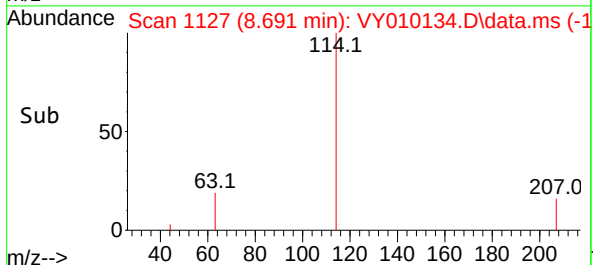
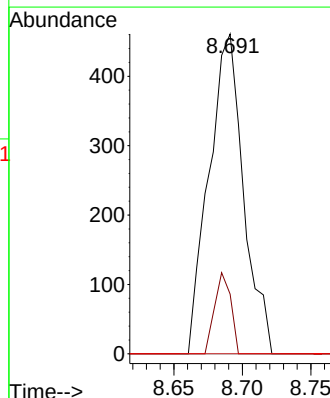
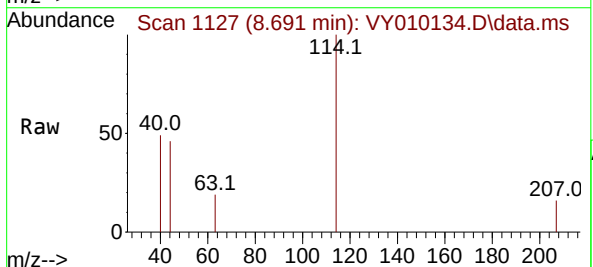
Tgt Ion: 114 Resp: 809

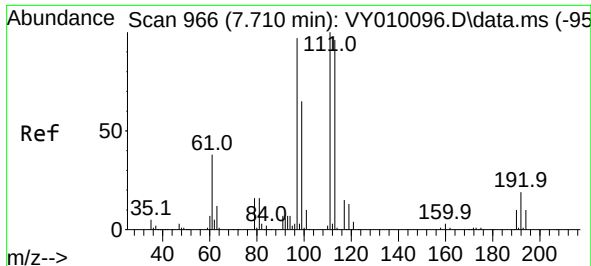
Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.6

88 0.0 0.0 29.6

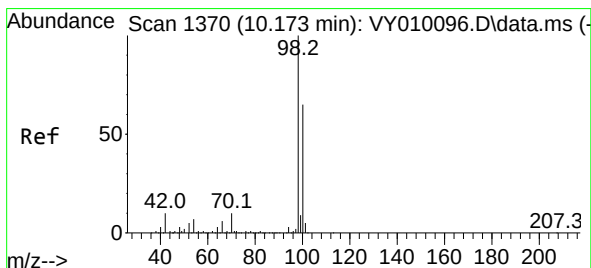
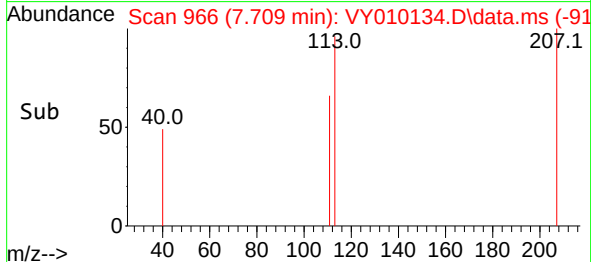
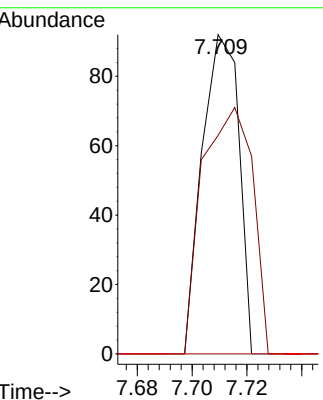
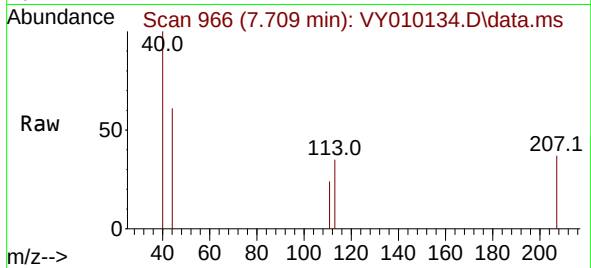




#35
 Dibromofluoromethane
 Concen: 18.866 ug/l
 RT: 7.709 min Scan# 91
 Delta R.T. -0.001 min
 Lab File: VY010134.D
 Acq: 20 Aug 2022 04:23

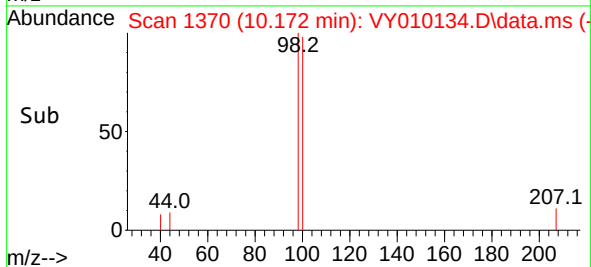
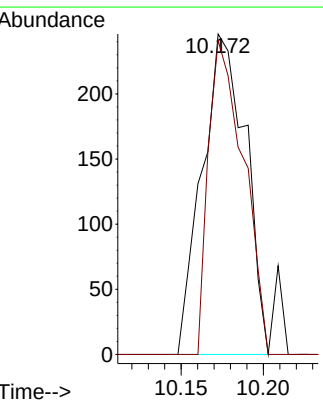
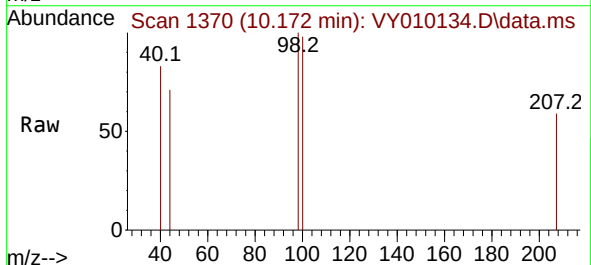
Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-2

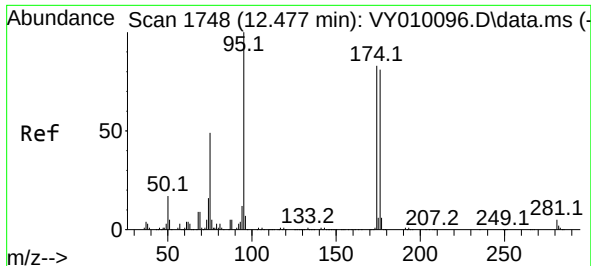
Tgt Ion:113 Resp: 86
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.8 124.2
 192 0.0 16.3 24.5#



#50
 Toluene-d8
 Concen: 26.520 ug/l
 RT: 10.172 min Scan# 1370
 Delta R.T. -0.001 min
 Lab File: VY010134.D
 Acq: 20 Aug 2022 04:23

Tgt Ion: 98 Resp: 453
 Ion Ratio Lower Upper
 98 100
 100 79.0 51.9 77.9#





#62

4-Bromofluorobenzene

Concen: 6.718 ug/l

RT: 12.489 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY010134.D

Acq: 20 Aug 2022 04:23

Instrument :

MSVOA_Y

ClientSampleId :

SS-2

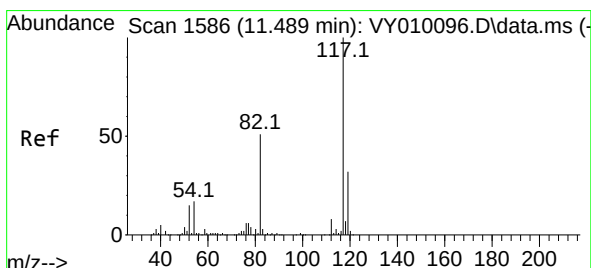
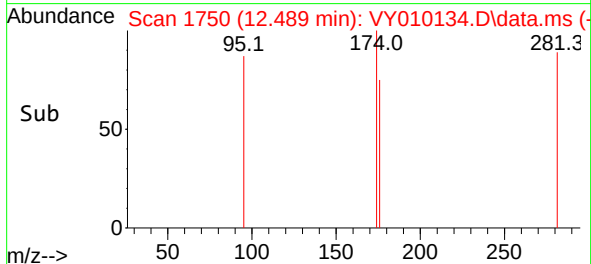
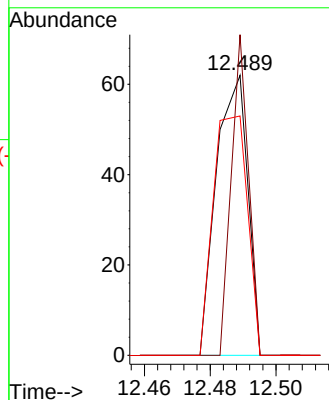
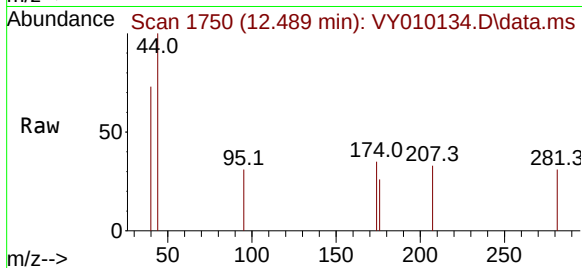
Tgt Ion: 95 Resp: 41

Ion Ratio Lower Upper

95 100

174 63.4 0.0 173.8

176 92.7 0.0 167.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY010134.D

Acq: 20 Aug 2022 04:23

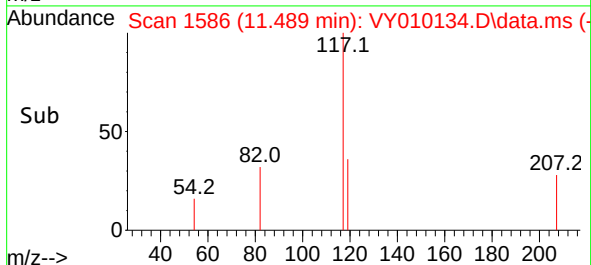
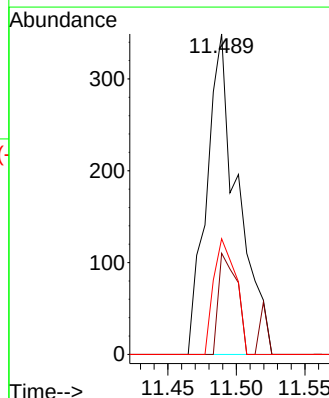
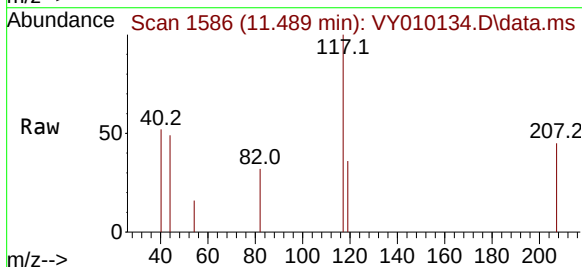
Tgt Ion: 117 Resp: 550

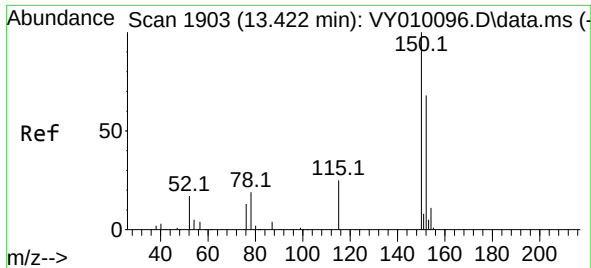
Ion Ratio Lower Upper

117 100

82 31.5 40.6 61.0#

119 36.1 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY010134.D

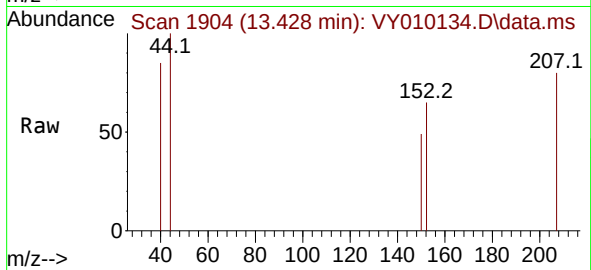
Acq: 20 Aug 2022 04:23

Instrument :

MSVOA_Y

ClientSampleId :

SS-2



Tgt Ion:152 Resp: 105

Ion Ratio Lower Upper

152 100

115 0.0 28.1 84.2#

150 208.6 0.0 346.2

