

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
 Data File : VY010903.D
 Acq On : 10 Oct 2022 20:07
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Oct 11 09:46:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

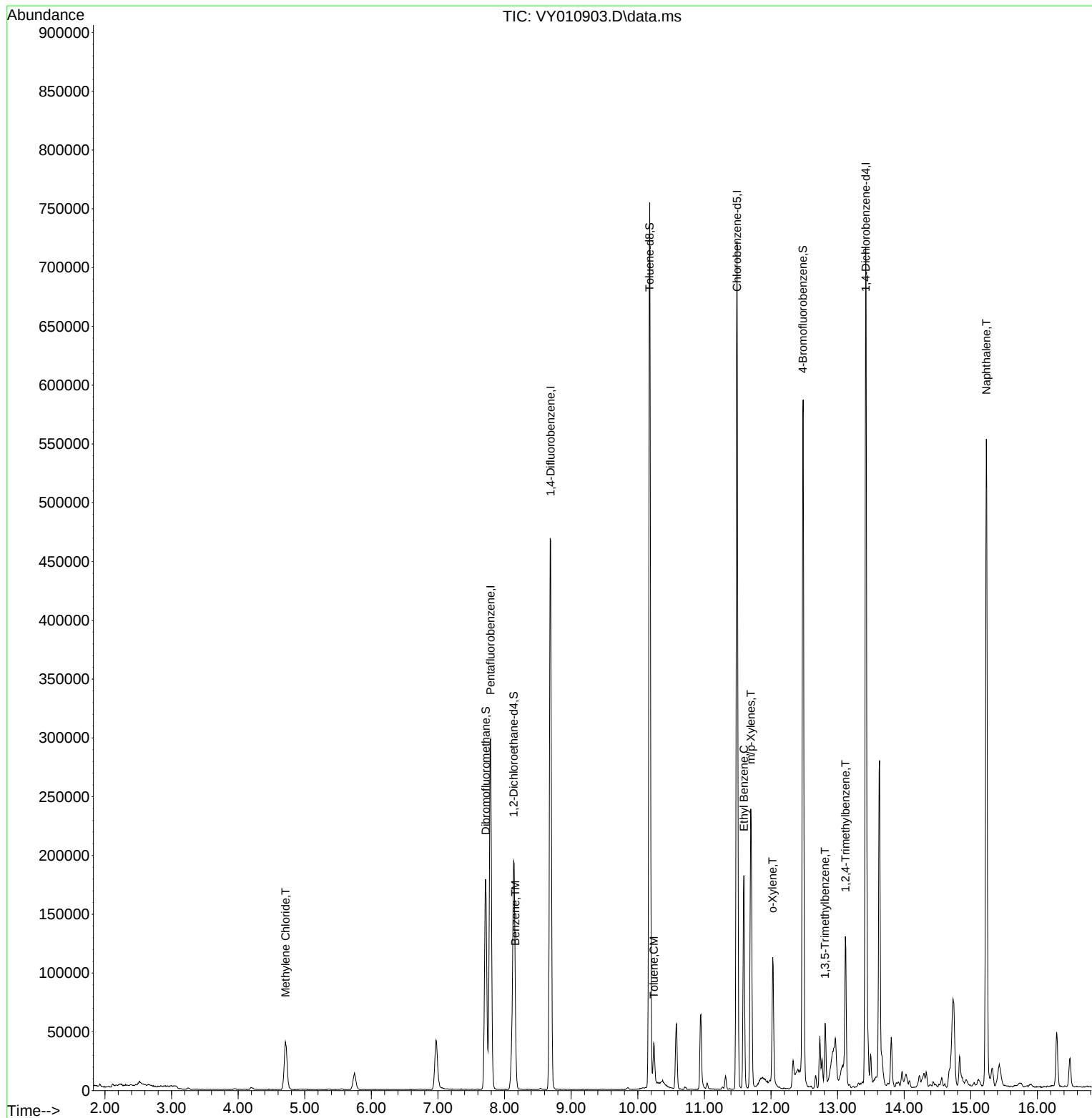
Internal Standards						
1) Pentafluorobenzene	7.789	168	241033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	423236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	397248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	189204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	136678	55.943	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	111.880%	
35) Dibromofluoromethane	7.716	113	129430	46.069	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	92.140%	
50) Toluene-d8	10.179	98	504841	52.543	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	=	105.080%	
62) 4-Bromofluorobenzene	12.477	95	181879	48.330	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	=	96.660%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.710	84	32018	7.319	ug/l #	81
40) Benzene	8.161	78	22431	1.920	ug/l	96
52) Toluene	10.240	92	13930	1.873	ug/l	98
67) Ethyl Benzene	11.593	91	124326	8.398	ug/l	96
68) m/p-Xylenes	11.697	106	74635	12.881	ug/l	95
69) o-Xylene	12.026	106	28303	5.225	ug/l	95
80) 1,3,5-Trimethylbenzene	12.813	105	17423	1.481	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	64916	5.612	ug/l	96
95) Naphthalene	15.233	128	467768	74.101	ug/l	98

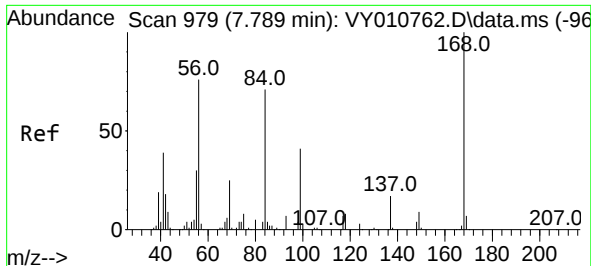
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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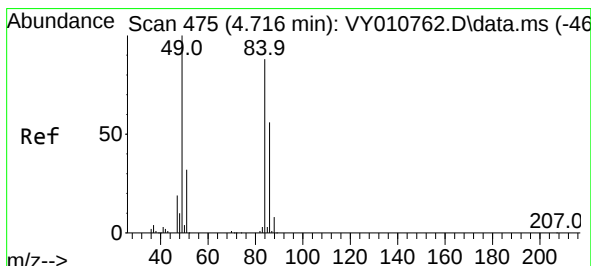
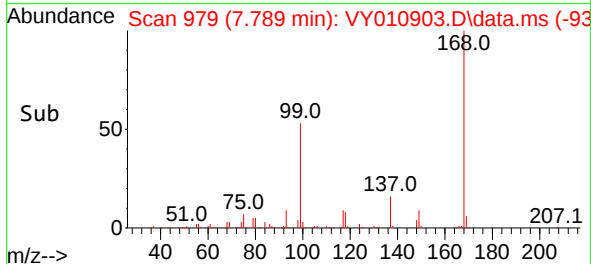
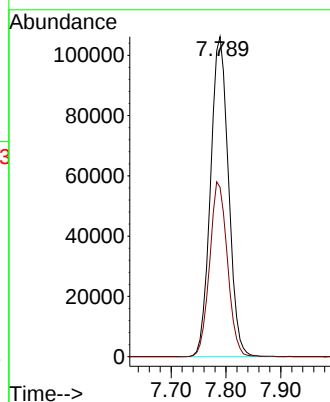
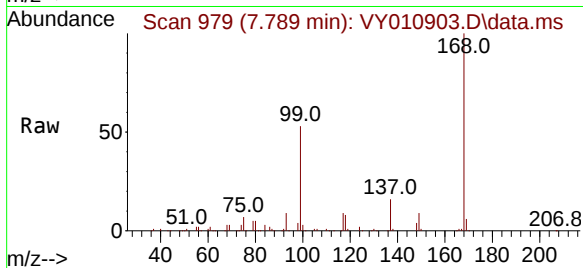




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

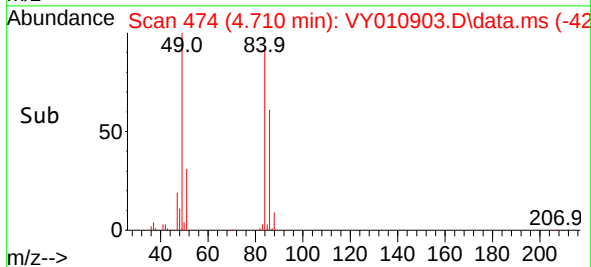
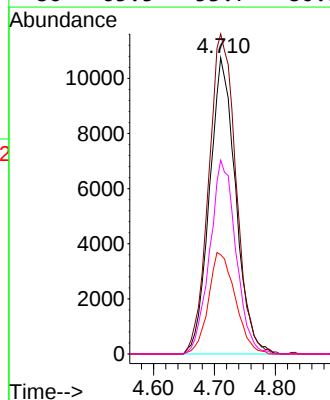
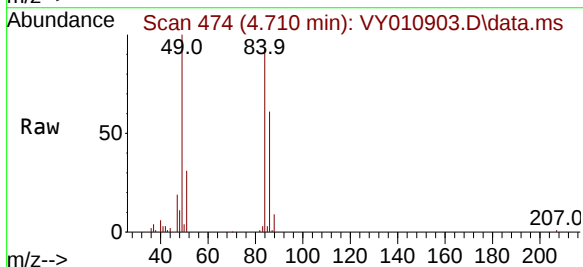
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

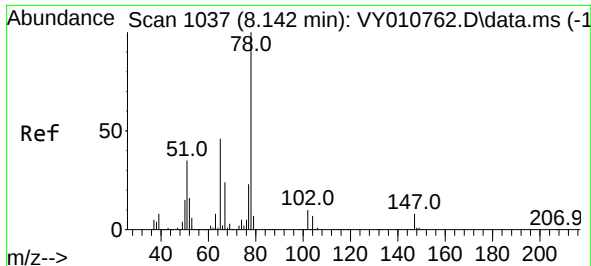
Tgt Ion:168 Resp: 241033
Ion Ratio Lower Upper
168 100
99 53.0 46.9 70.3



#20
Methylene Chloride
Concen: 7.319 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Tgt Ion: 84 Resp: 32018
Ion Ratio Lower Upper
84 100
49 108.1 114.4 171.6#
51 33.5 35.3 52.9#
86 65.5 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 55.943 ug/l

RT: 8.137 min Scan# 1

Delta R.T. -0.005 min

Lab File: VY010903.D

Acq: 10 Oct 2022 20:07

Instrument :

MSVOA_Y

ClientSampleId :

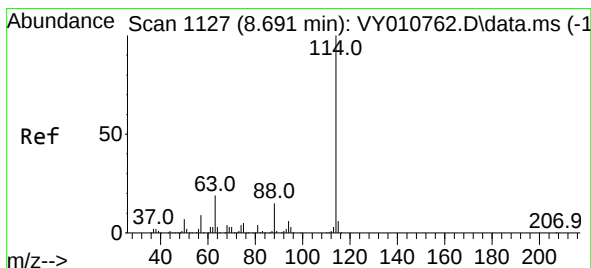
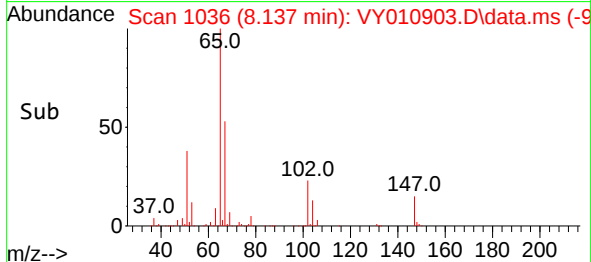
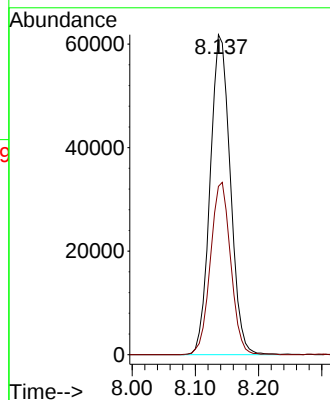
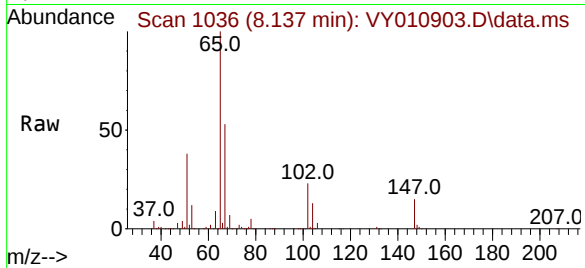
VIBLK

Tgt Ion: 65 Resp: 136678

Ion Ratio Lower Upper

65 100

67 54.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY010903.D

Acq: 10 Oct 2022 20:07

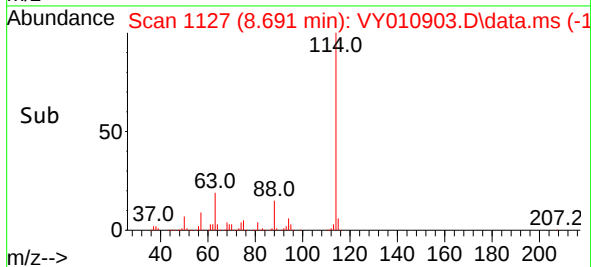
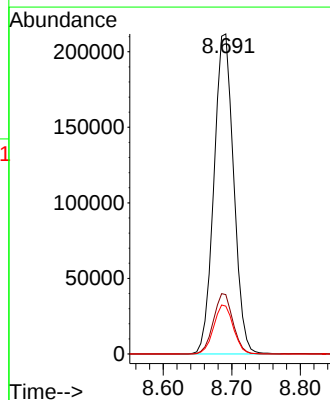
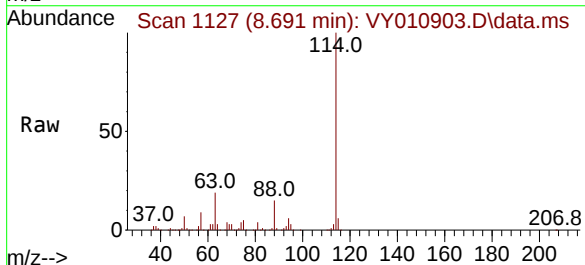
Tgt Ion: 114 Resp: 423236

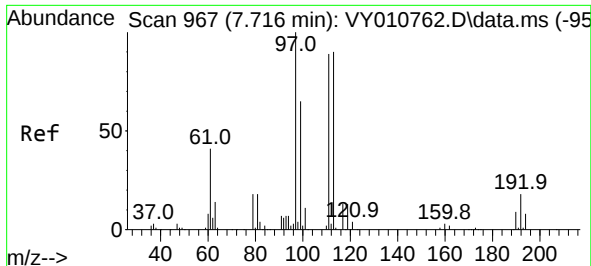
Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 15.0 0.0 31.8

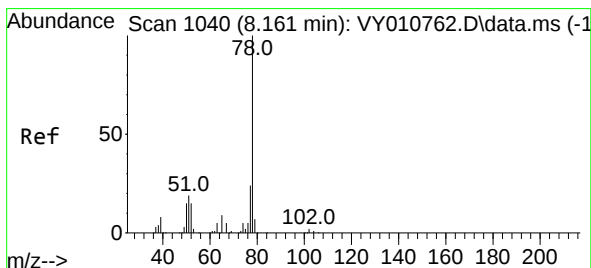
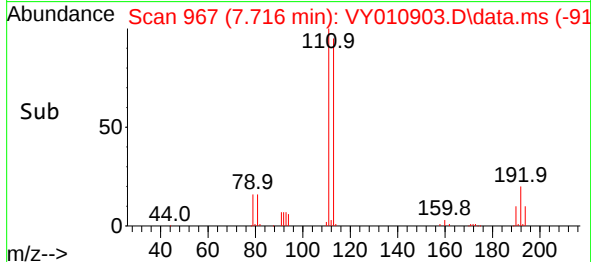
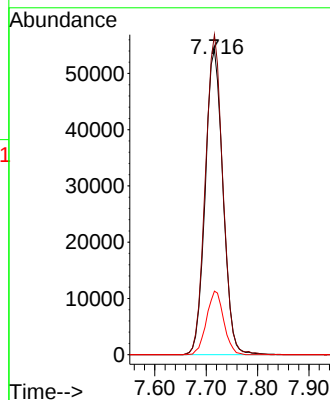
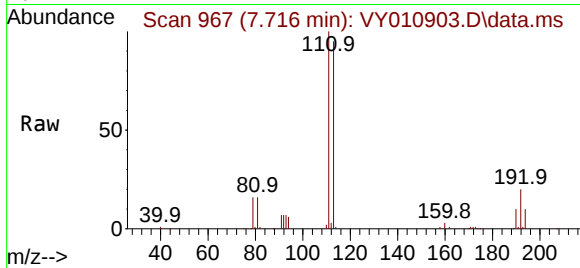




#35
Dibromofluoromethane
Concen: 46.069 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

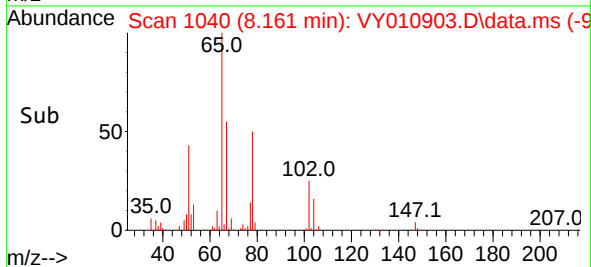
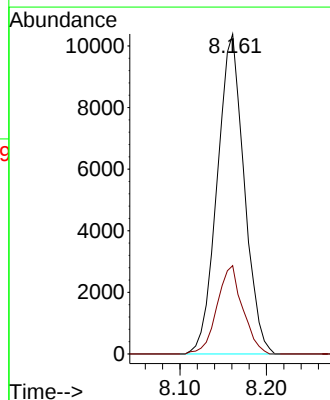
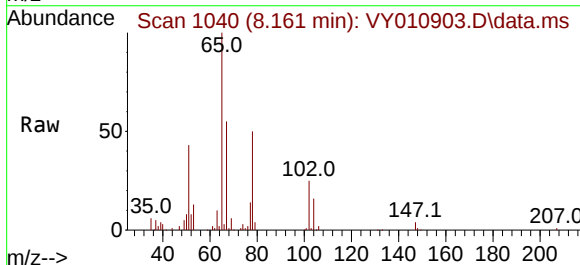
Instrument :
MSVOA_Y
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VIBLK

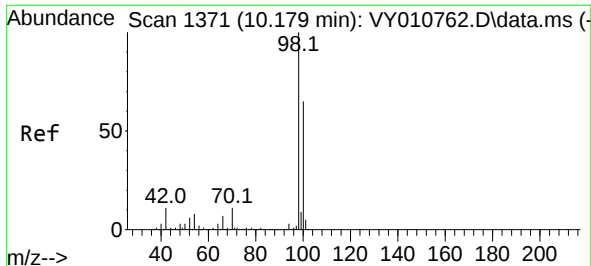
Tgt Ion:113 Resp: 129430
Ion Ratio Lower Upper
113 100
111 103.6 82.6 124.0
192 20.3 17.6 26.4



#40
Benzene
Concen: 1.920 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Tgt Ion: 78 Resp: 22431
Ion Ratio Lower Upper
78 100
77 27.6 20.4 30.6

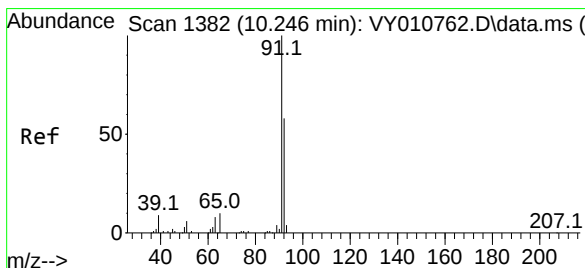
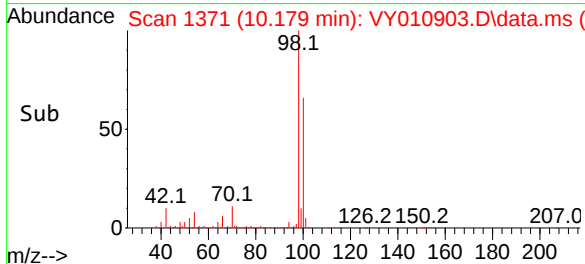
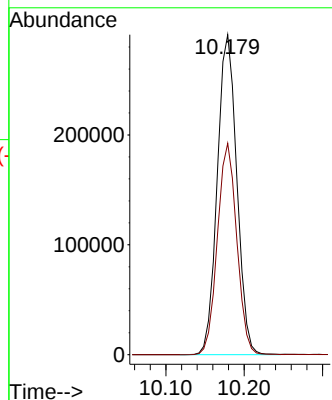
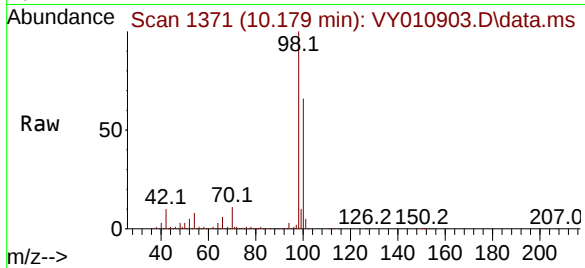




#50
Toluene-d8
Concen: 52.543 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

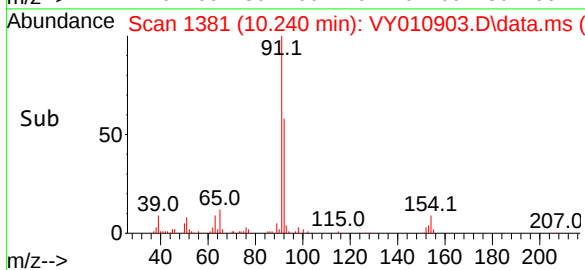
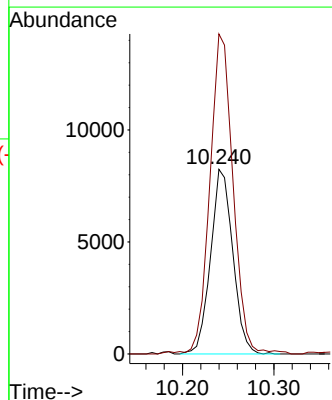
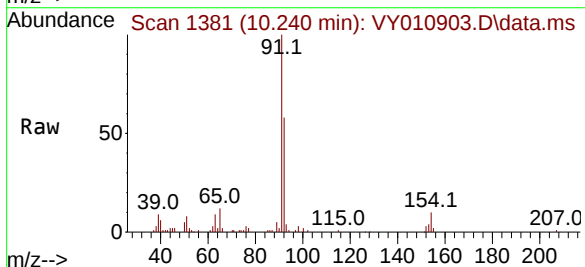
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

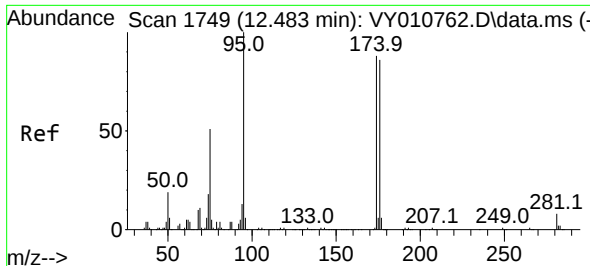
Tgt Ion: 98 Resp: 504841
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2



#52
Toluene
Concen: 1.873 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.006 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Tgt Ion: 92 Resp: 13930
Ion Ratio Lower Upper
92 100
91 180.3 142.6 213.8

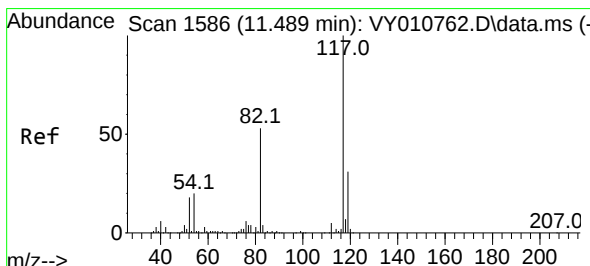
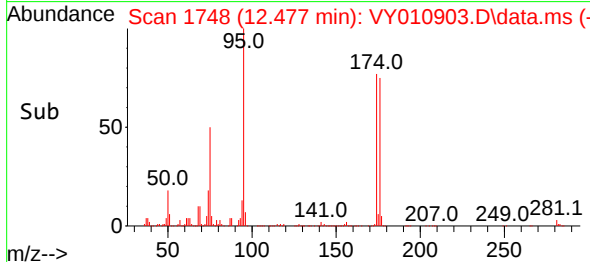
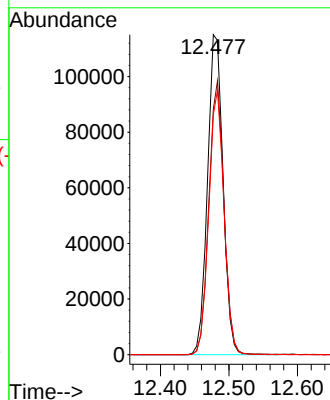
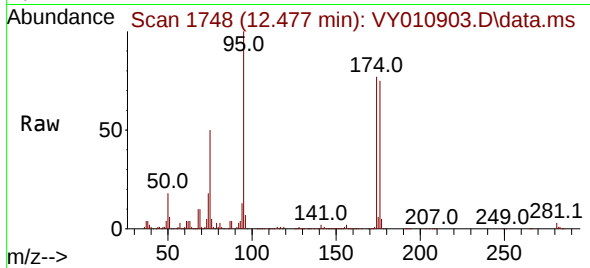




#62
4-Bromofluorobenzene
Concen: 48.330 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

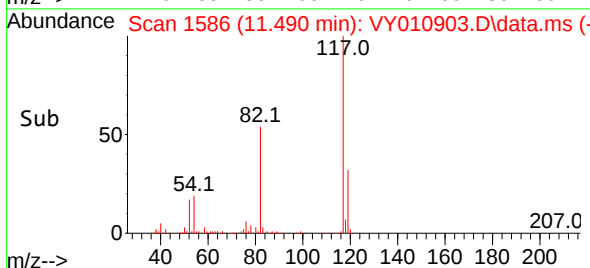
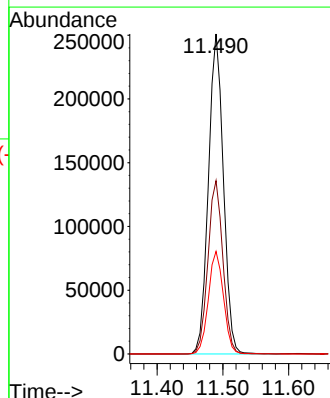
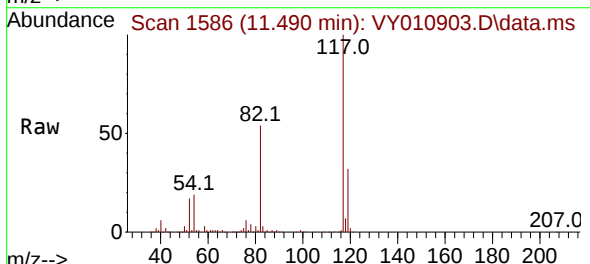
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MSVOA_Y
ClientSampleId :
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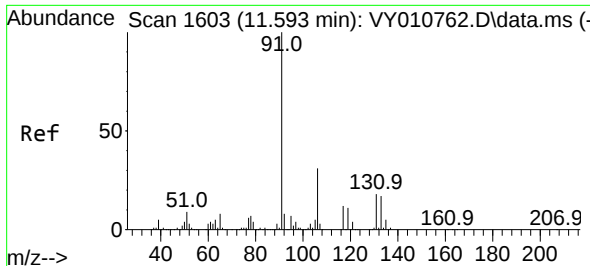
Tgt Ion: 95 Resp: 181879
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 80.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Tgt Ion: 117 Resp: 397248
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.4
119 32.0 25.4 38.0

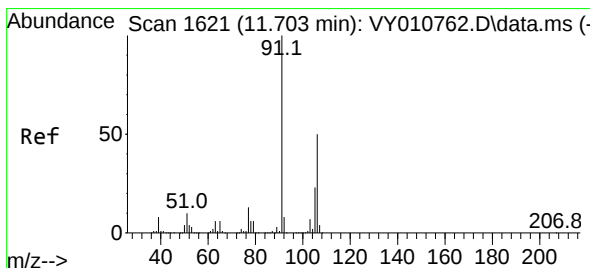
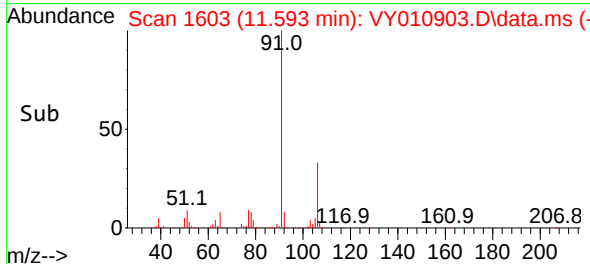
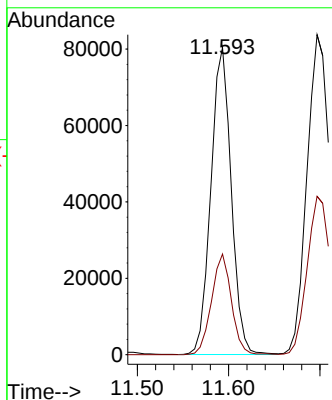
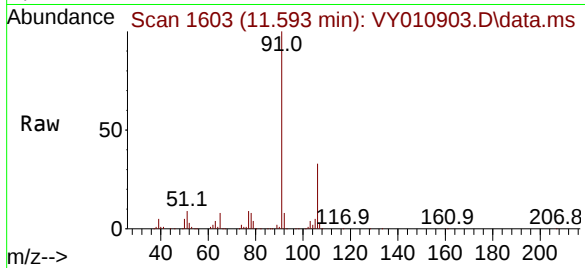




#67
Ethyl Benzene
Concen: 8.398 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

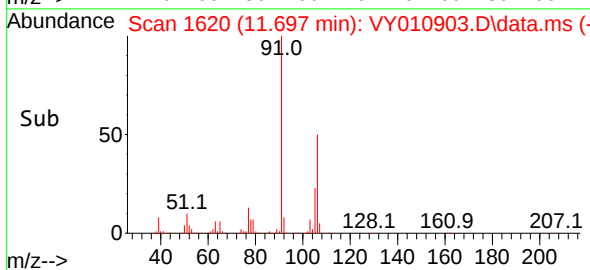
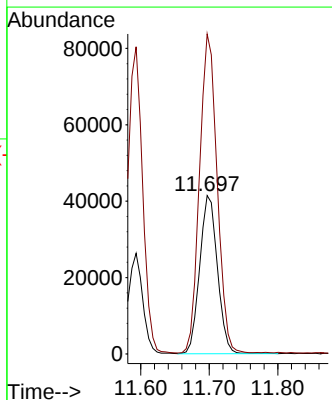
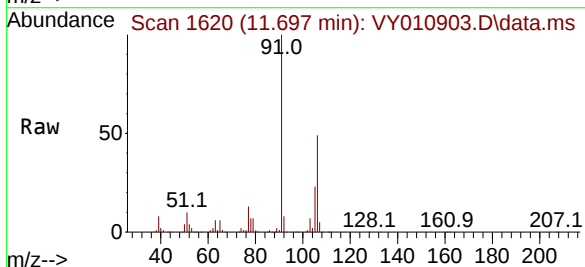
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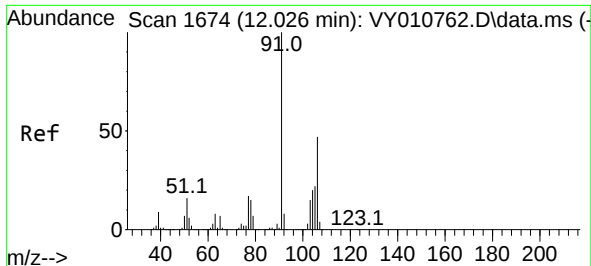
Tgt Ion: 91 Resp: 124326
Ion Ratio Lower Upper
91 100
106 32.8 24.5 36.7



#68
m/p-Xylenes
Concen: 12.881 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Tgt Ion: 106 Resp: 74635
Ion Ratio Lower Upper
106 100
91 200.1 166.6 249.8





#69

o-Xylene

Concen: 5.225 ug/l

RT: 12.026 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010903.D

Acq: 10 Oct 2022 20:07

Instrument :

MSVOA_Y

ClientSampleId :

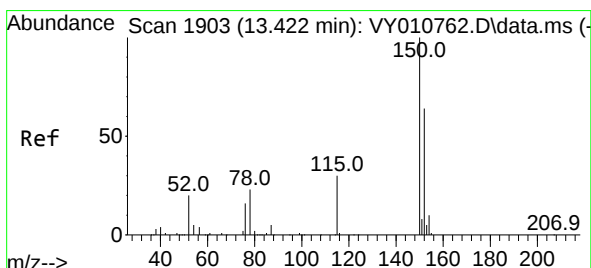
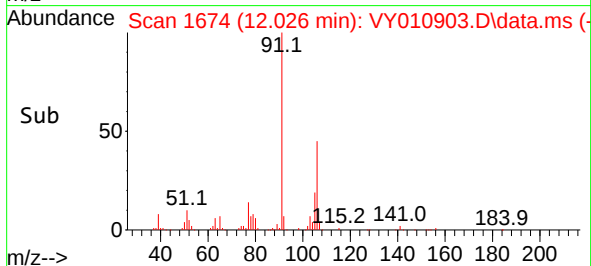
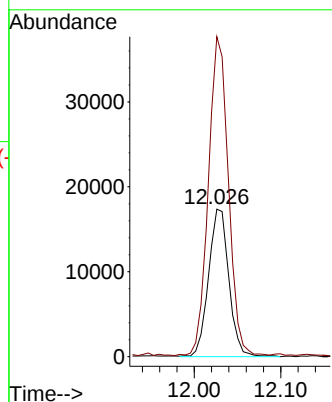
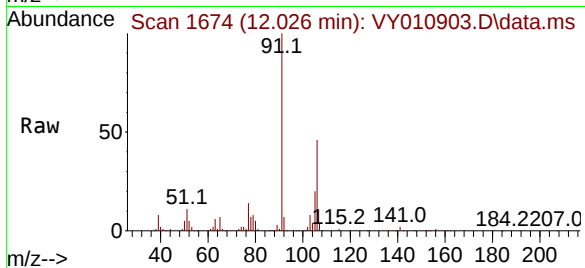
VIBLK

Tgt Ion:106 Resp: 28303

Ion Ratio Lower Upper

106 100

91 212.9 110.3 331.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY010903.D

Acq: 10 Oct 2022 20:07

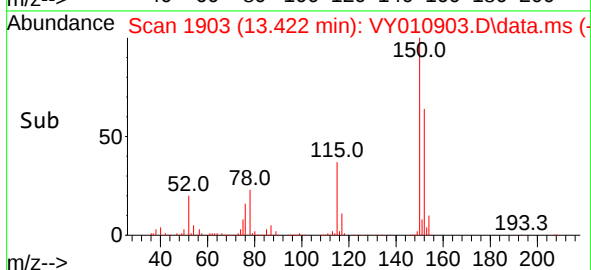
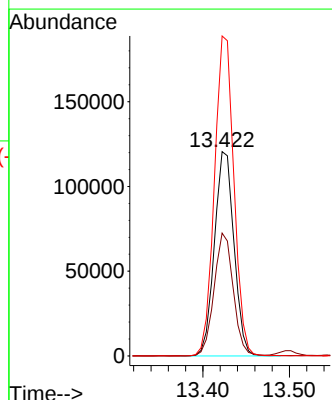
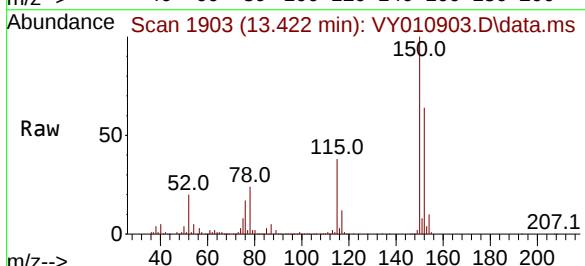
Tgt Ion:152 Resp: 189204

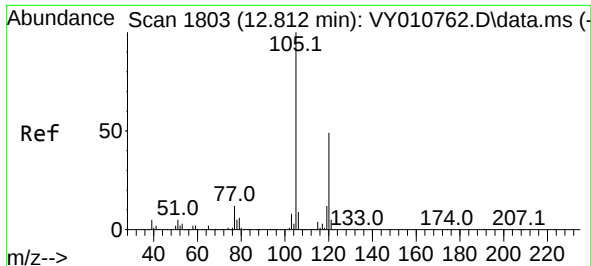
Ion Ratio Lower Upper

152 100

115 58.6 28.2 84.7

150 155.9 0.0 347.6

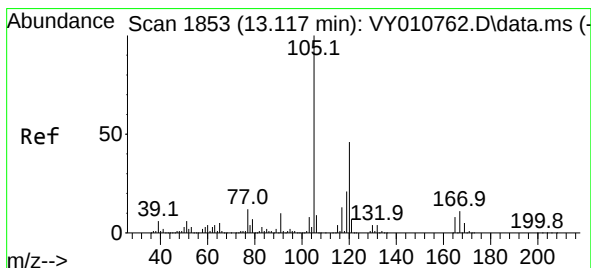
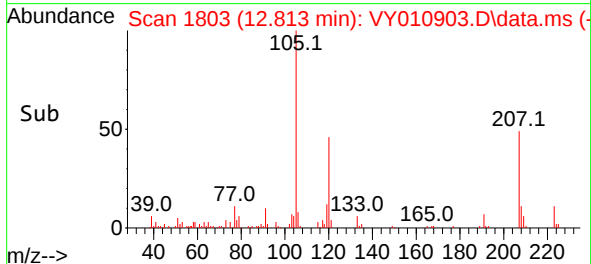
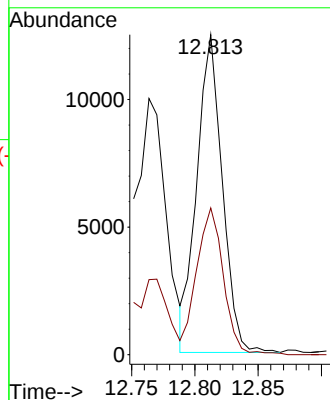
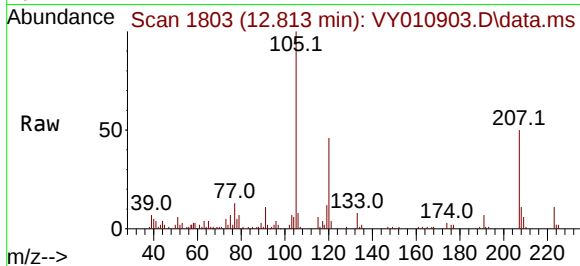




#80
 1,3,5-Trimethylbenzene
 Concen: 1.481 ug/l
 RT: 12.813 min Scan# 1803
 Delta R.T. 0.001 min
 Lab File: VY010903.D
 Acq: 10 Oct 2022 20:07

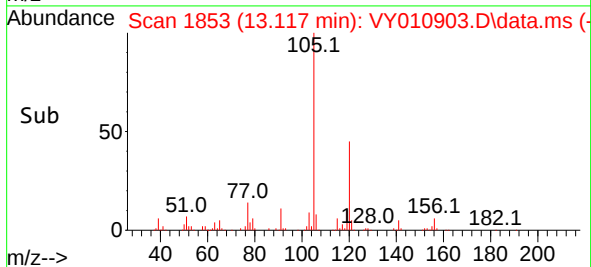
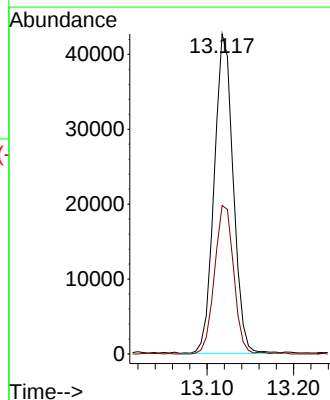
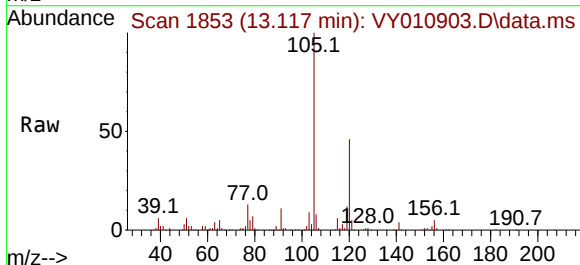
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

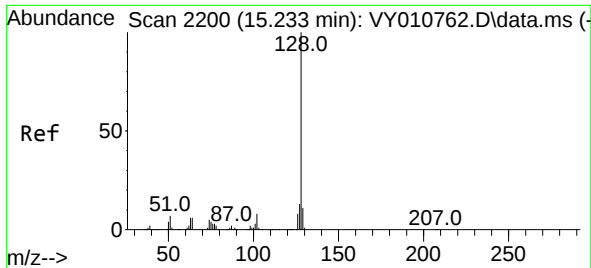
Tgt Ion:105 Resp: 17423
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.4 73.4



#84
 1,2,4-Trimethylbenzene
 Concen: 5.612 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VY010903.D
 Acq: 10 Oct 2022 20:07

Tgt Ion:105 Resp: 64916
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.3 66.9





#95

Naphthalene

Concen: 74.101 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY010903.D

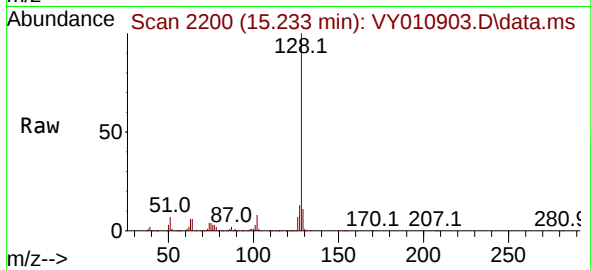
Acq: 10 Oct 2022 20:07

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:128 Resp: 467768

Ion Ratio Lower Upper

128 100

127 12.8 11.0 16.4

129 10.9 8.4 12.6

