

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102122\
 Data File : VY011043.D
 Acq On : 21 Oct 2022 12:29
 Operator : KP/MD
 Sample : N5217-03
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-B1-3.5-4.0

Quant Time: Oct 22 01:22:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

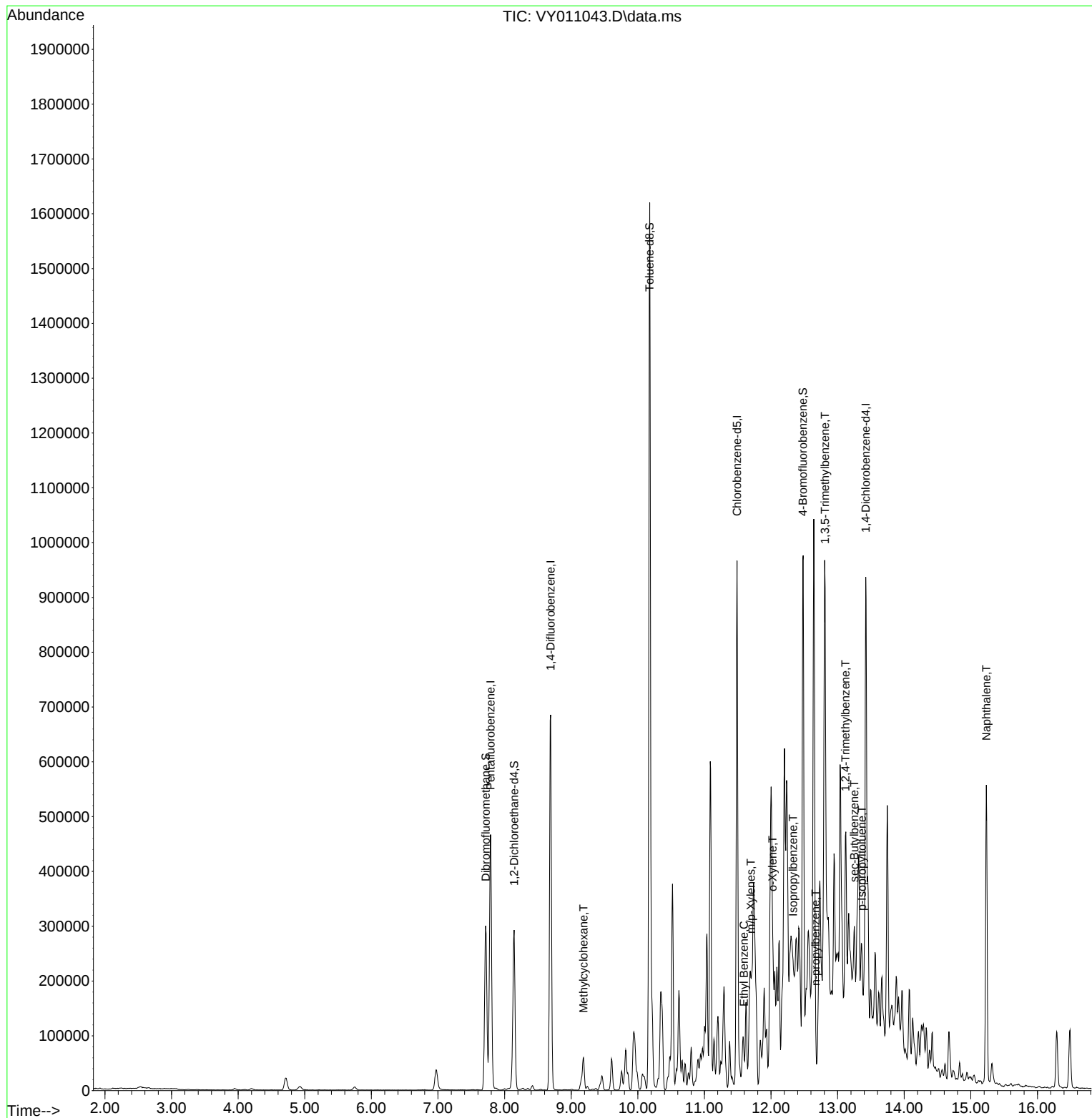
Internal Standards						
1) Pentafluorobenzene	7.789	168	364518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	606452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	507991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	213993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	214498	63.882	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.760%	
35) Dibromofluoromethane	7.716	113	220266	65.840	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 131.680%	
50) Toluene-d8	10.179	98	792655	62.598	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 125.200%	
62) 4-Bromofluorobenzene	12.477	95	268834	60.584	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 121.160%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.185	83	26737	3.954	ug/l	91
67) Ethyl Benzene	11.593	91	20762	1.125	ug/l	96
68) m/p-Xylenes	11.697	106	21518	3.032	ug/l	98
69) o-Xylene	12.026	106	26966	4.001	ug/l	97
73) Isopropylbenzene	12.331	105	22812	1.467	ug/l	95
78) n-propylbenzene	12.672	91	23394	1.237	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	82341	6.348	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	144537	11.300	ug/l	97
85) sec-Butylbenzene	13.251	105	32820	1.947	ug/l	80
86) p-Isopropyltoluene	13.367	119	22001	1.573	ug/l	95
95) Naphthalene	15.233	128	446350	56.514	ug/l	98

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 01:42:42 2022
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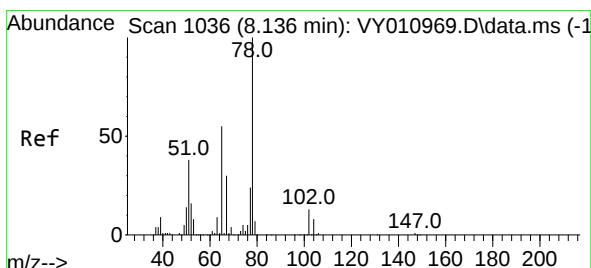
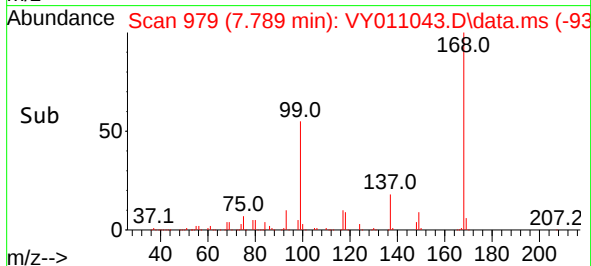
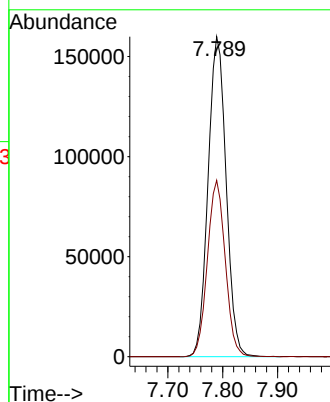
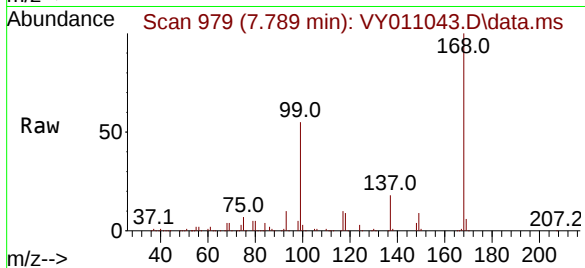




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011043.D
Acq: 21 Oct 2022 12:29

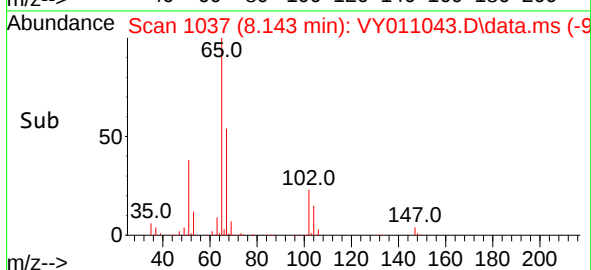
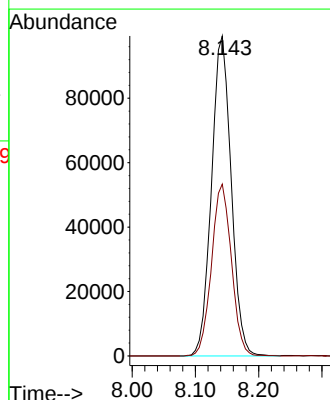
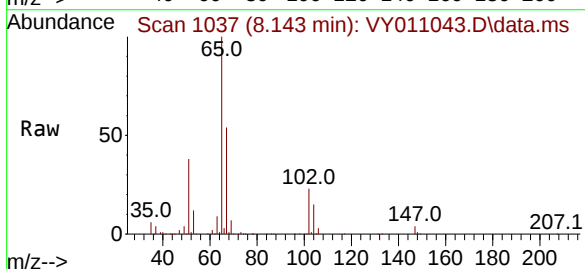
Instrument :
MSVOA_Y
ClientSampleId :
SB-B1-3.5-4.0

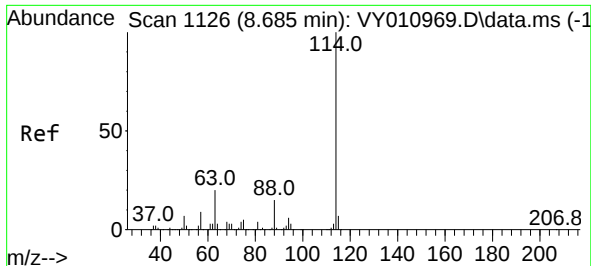
Tgt Ion:168 Resp: 364518
Ion Ratio Lower Upper
168 100
99 55.1 46.9 70.3



#33
1,2-Dichloroethane-d4
Concen: 63.882 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY011043.D
Acq: 21 Oct 2022 12:29

Tgt Ion: 65 Resp: 214498
Ion Ratio Lower Upper
65 100
67 54.3 0.0 99.4

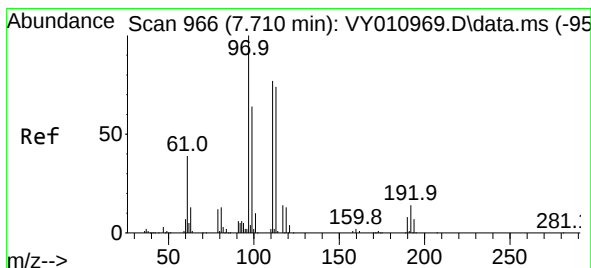
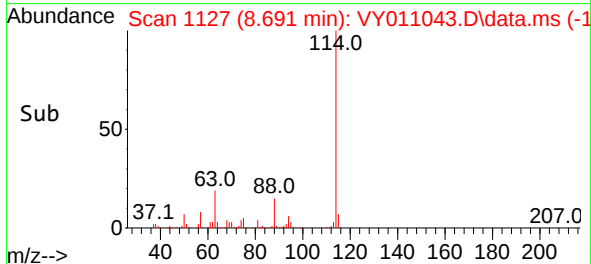
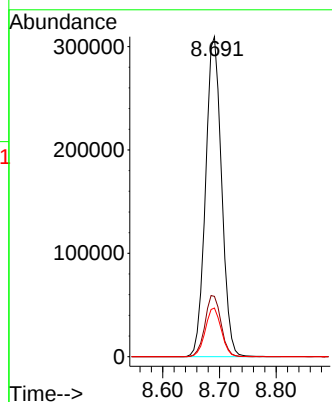
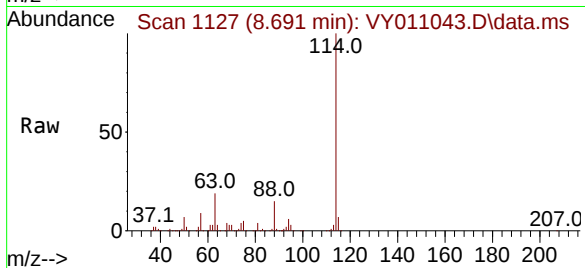




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY011043.D
Acq: 21 Oct 2022 12:29

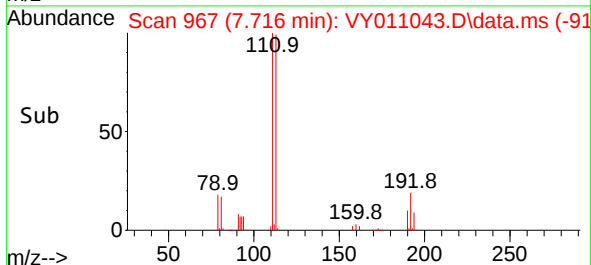
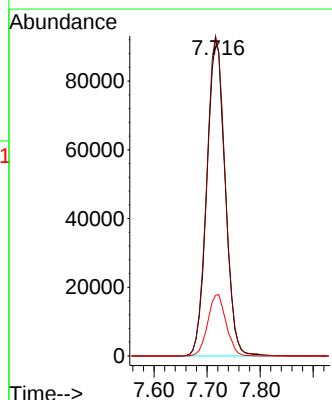
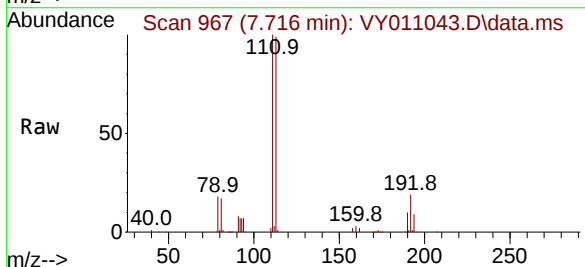
Instrument :
MSVOA_Y
ClientSampleId :
SB-B1-3.5-4.0

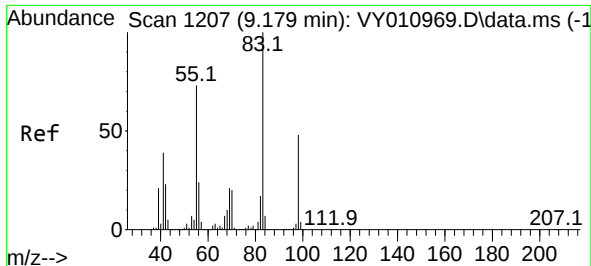
Tgt Ion:114 Resp: 606452
Ion Ratio Lower Upper
114 100
63 18.9 0.0 43.2
88 15.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 65.840 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY011043.D
Acq: 21 Oct 2022 12:29

Tgt Ion:113 Resp: 220266
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 19.5 17.6 26.4





#39

Methylcyclohexane

Concen: 3.954 ug/l

RT: 9.185 min Scan# 1207

Delta R.T. 0.006 min

Lab File: VY011043.D

Acq: 21 Oct 2022 12:29

Instrument :

MSVOA_Y

ClientSampleId :

SB-B1-3.5-4.0

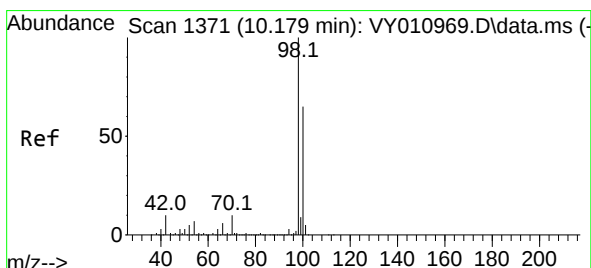
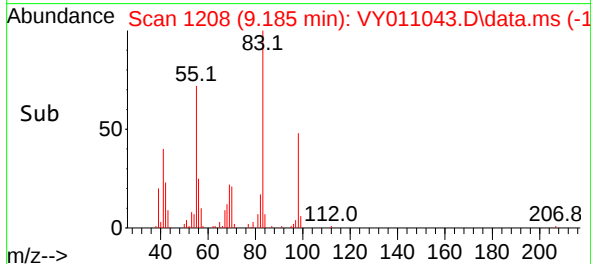
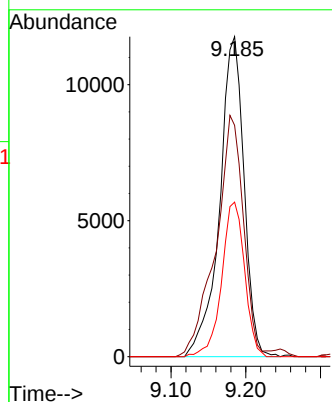
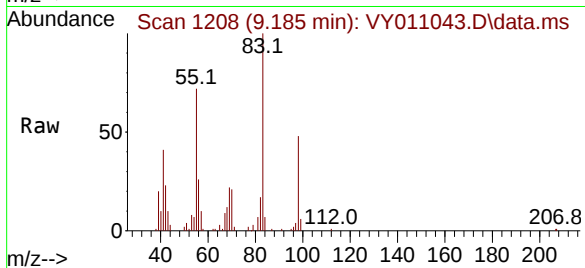
Tgt Ion: 83 Resp: 26737

Ion Ratio Lower Upper

83 100

55 71.7 66.5 99.7

98 48.3 37.9 56.9



#50

Toluene-d8

Concen: 62.598 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY011043.D

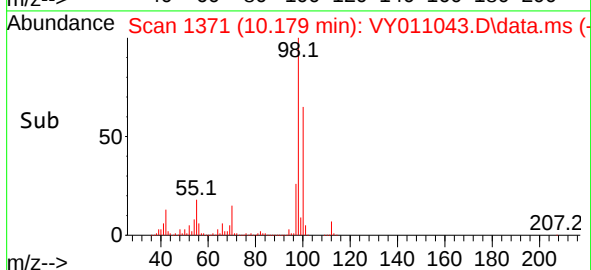
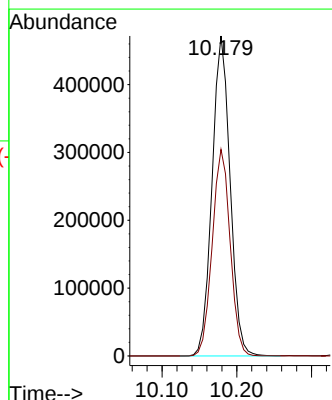
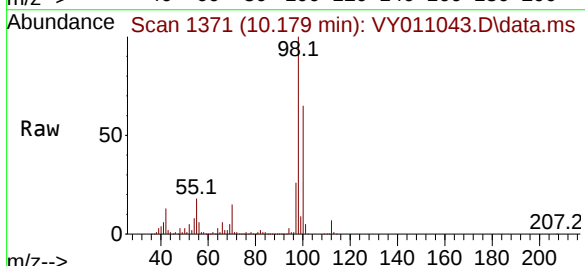
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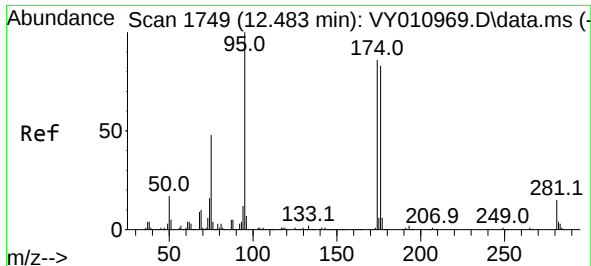
Tgt Ion: 98 Resp: 792655

Ion Ratio Lower Upper

98 100

100 64.1 50.2 75.2

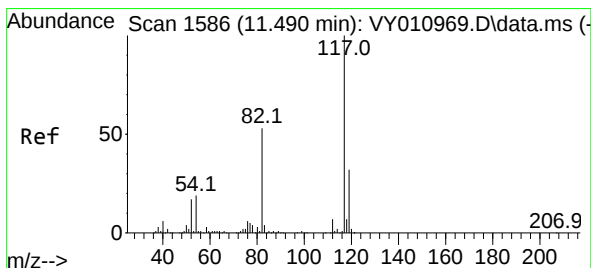
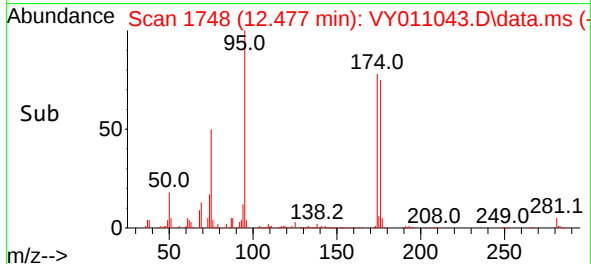
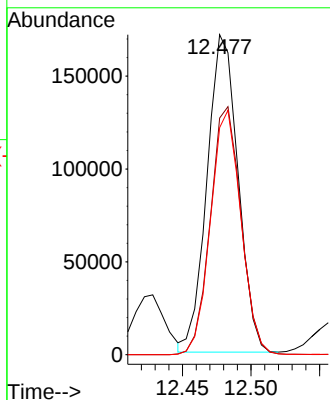
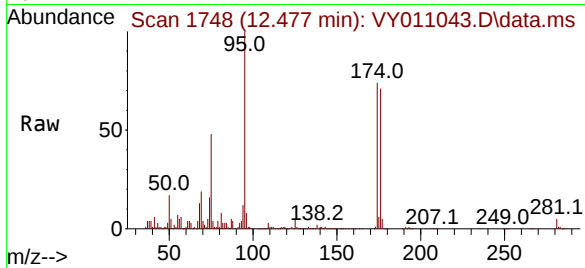




#62
4-Bromofluorobenzene
Concen: 60.584 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011043.D
Acq: 21 Oct 2022 12:29

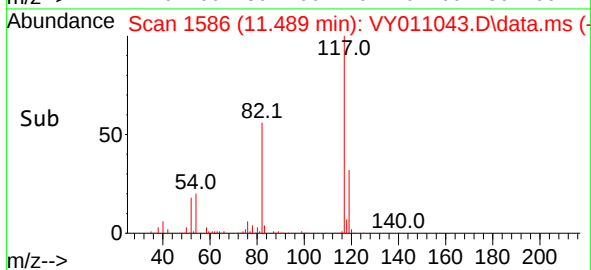
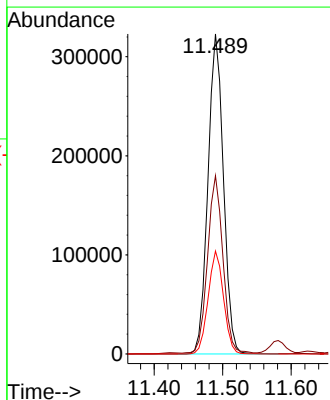
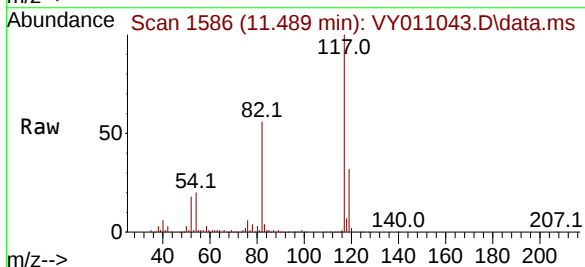
Instrument :
MSVOA_Y
ClientSampleId :
SB-B1-3.5-4.0

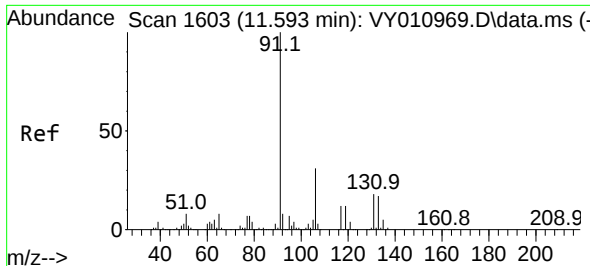
Tgt Ion: 95 Resp: 268834
Ion Ratio Lower Upper
95 100
174 77.6 0.0 177.0
176 75.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011043.D
Acq: 21 Oct 2022 12:29

Tgt Ion: 117 Resp: 507991
Ion Ratio Lower Upper
117 100
82 55.4 43.0 64.4
119 32.2 25.4 38.0





#67

Ethyl Benzene

Concen: 1.125 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY011043.D

Acq: 21 Oct 2022 12:29

Instrument :

MSVOA_Y

ClientSampleId :

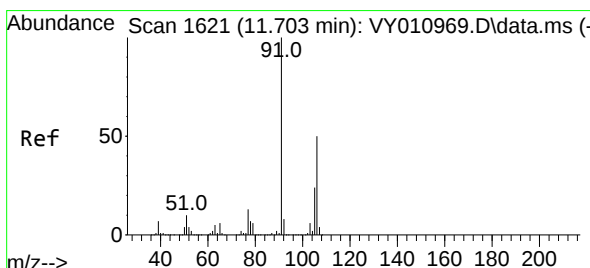
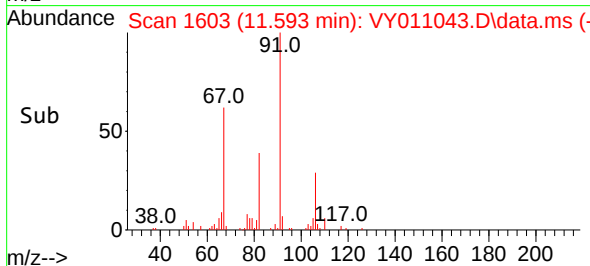
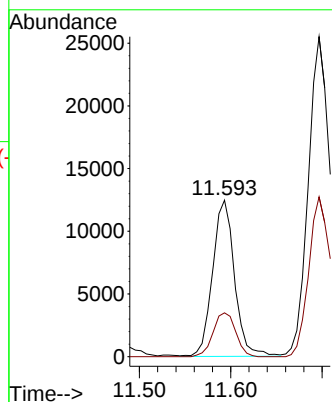
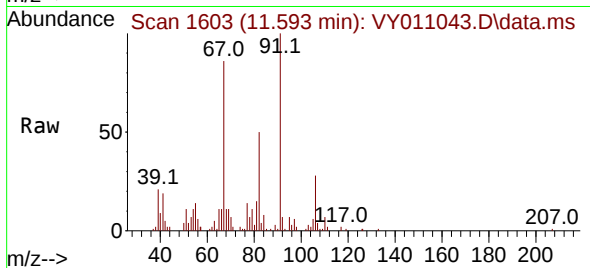
SB-B1-3.5-4.0

Tgt Ion: 91 Resp: 20762

Ion Ratio Lower Upper

91 100

106 28.2 24.5 36.7



#68

m/p-Xylenes

Concen: 3.032 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY011043.D

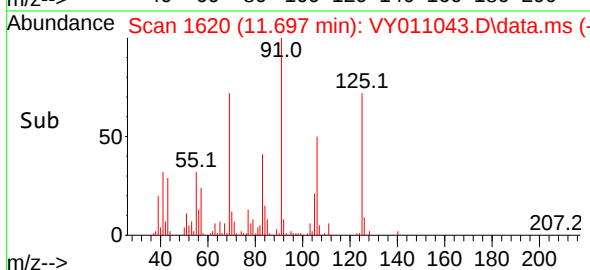
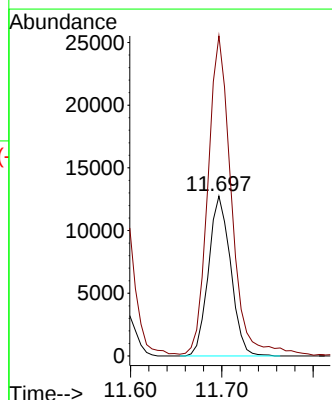
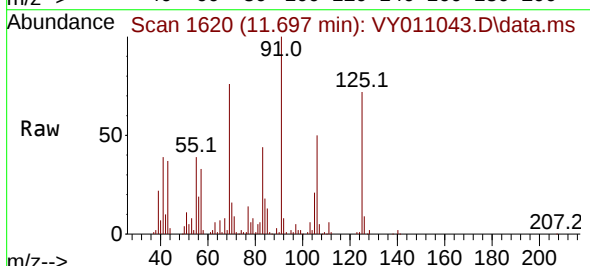
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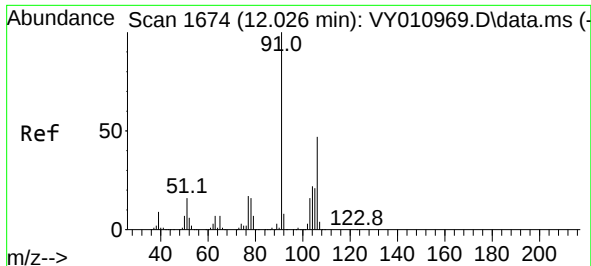
Tgt Ion: 106 Resp: 21518

Ion Ratio Lower Upper

106 100

91 211.5 166.6 249.8





#69

o-Xylene

Concen: 4.001 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY011043.D

Acq: 21 Oct 2022 12:29

Instrument :

MSVOA_Y

ClientSampleId :

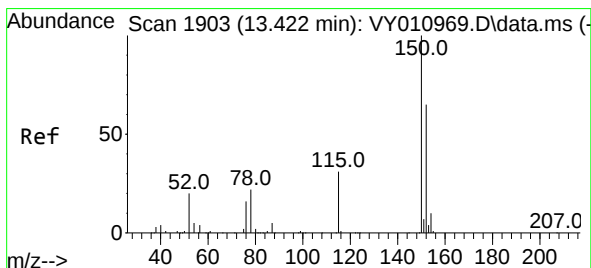
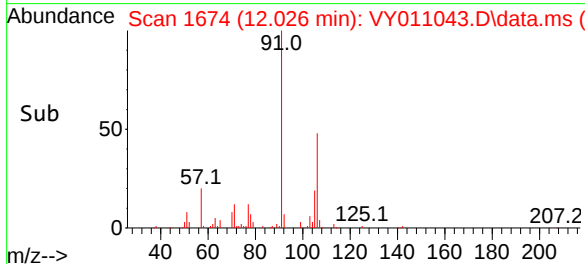
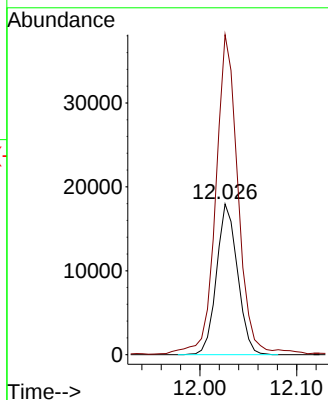
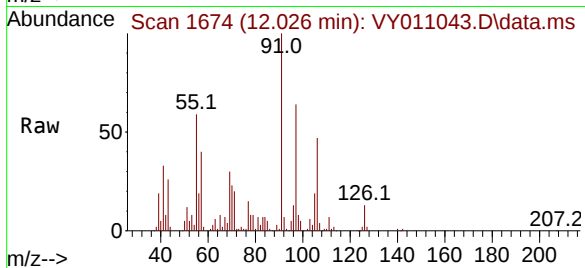
SB-B1-3.5-4.0

Tgt Ion:106 Resp: 26966

Ion Ratio Lower Upper

106 100

91 225.7 110.3 331.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY011043.D

Acq: 21 Oct 2022 12:29

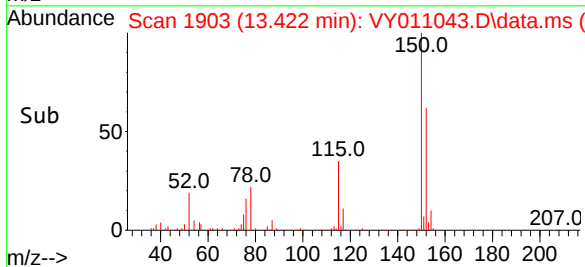
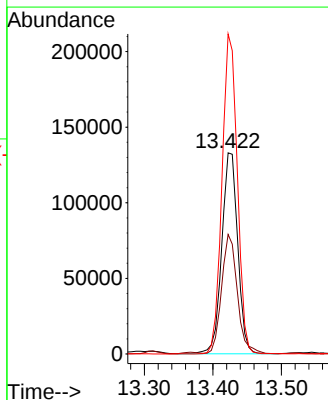
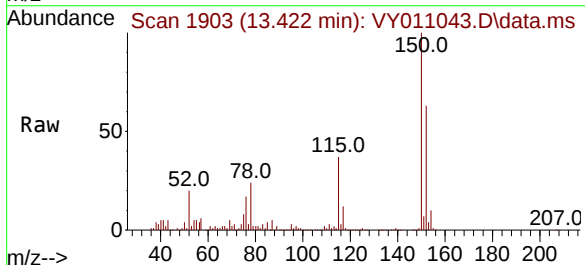
Tgt Ion:152 Resp: 213993

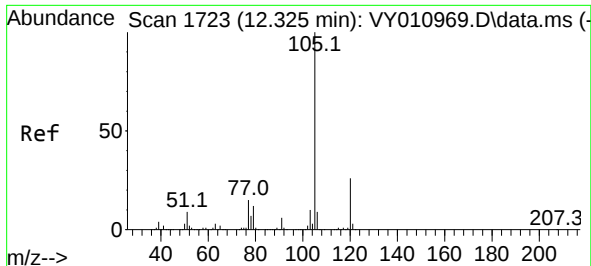
Ion Ratio Lower Upper

152 100

115 58.4 28.2 84.7

150 152.5 0.0 347.6

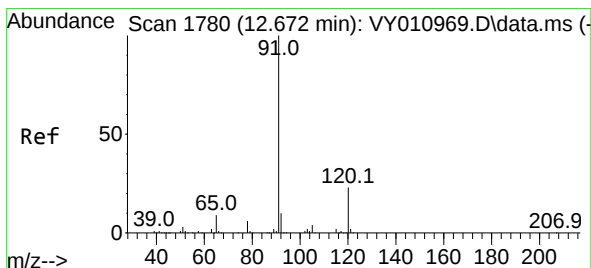
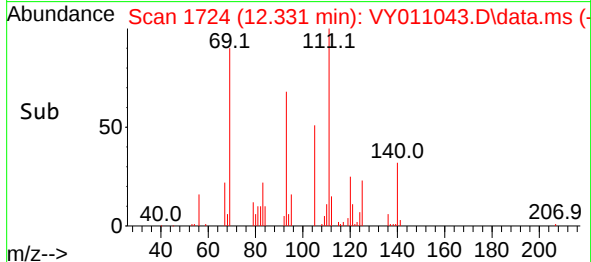
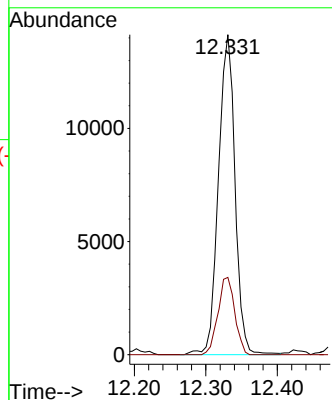
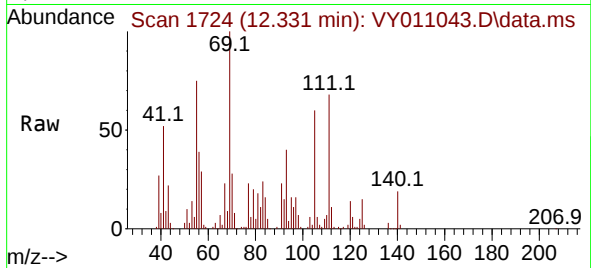




#73
Isopropylbenzene
Concen: 1.467 ug/l
RT: 12.331 min Scan# 1723
Delta R.T. 0.006 min
Lab File: VY011043.D
Acq: 21 Oct 2022 12:29

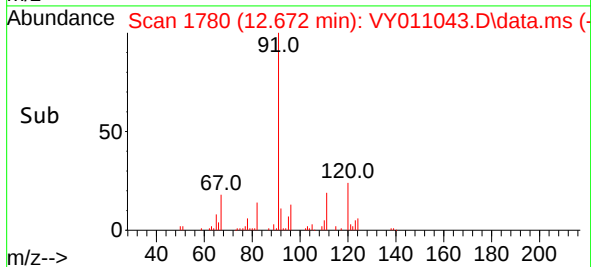
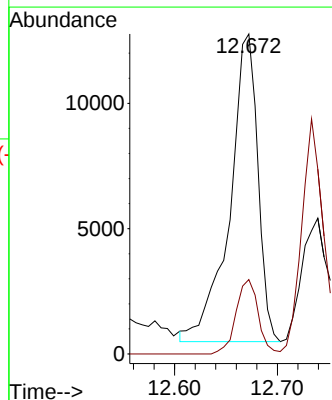
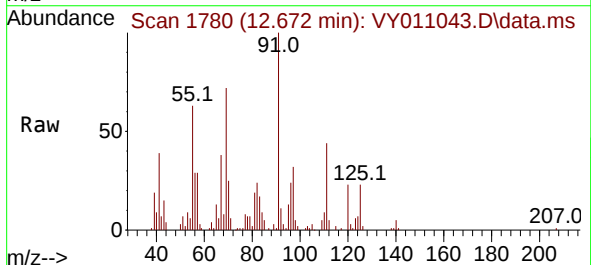
Instrument :
MSVOA_Y
ClientSampleId :
SB-B1-3.5-4.0

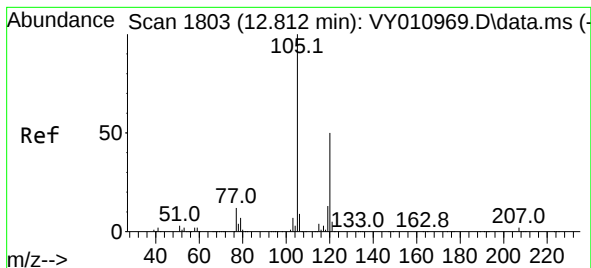
Tgt Ion:105 Resp: 22812
Ion Ratio Lower Upper
105 100
120 24.4 13.4 40.2



#78
n-propylbenzene
Concen: 1.237 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY011043.D
Acq: 21 Oct 2022 12:29

Tgt Ion: 91 Resp: 23394
Ion Ratio Lower Upper
91 100
120 19.1 11.3 33.9





#80

1,3,5-Trimethylbenzene

Concen: 6.348 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY011043.D

Acq: 21 Oct 2022 12:29

Instrument :

MSVOA_Y

ClientSampleId :

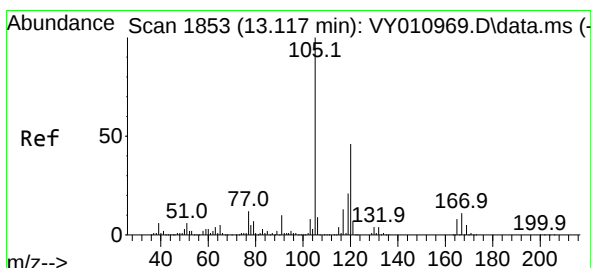
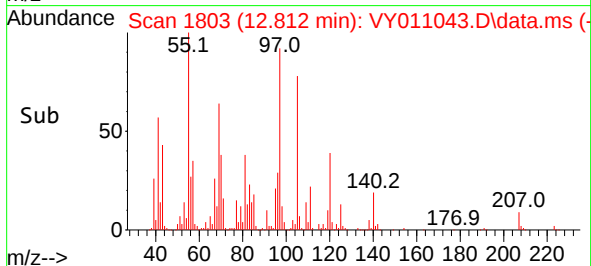
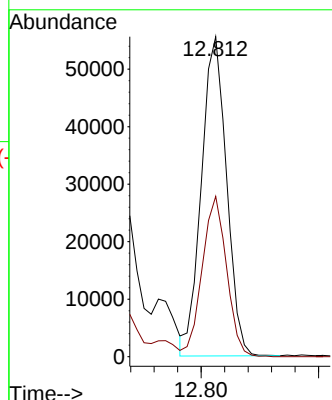
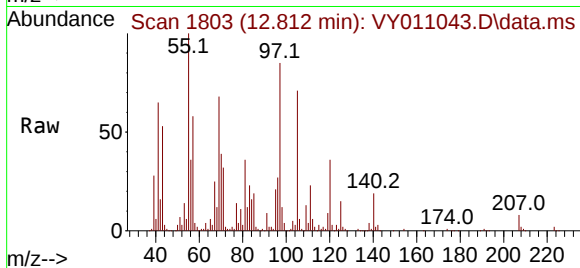
SB-B1-3.5-4.0

Tgt Ion:105 Resp: 82341

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.4



#84

1,2,4-Trimethylbenzene

Concen: 11.300 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY011043.D

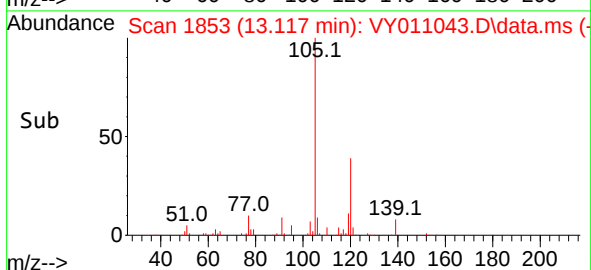
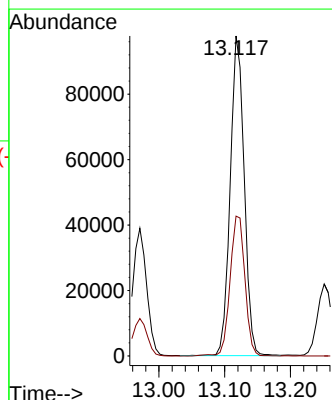
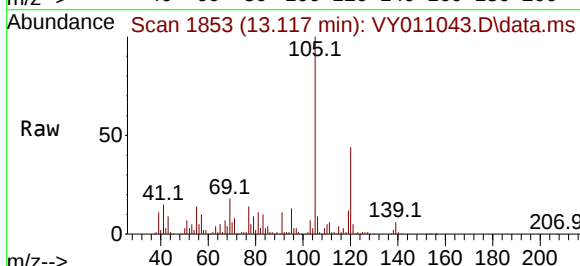
Acq: 21 Oct 2022 12:29

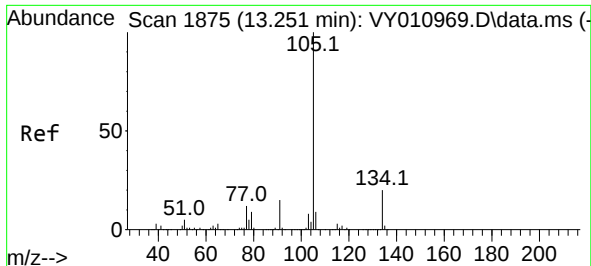
Tgt Ion:105 Resp: 144537

Ion Ratio Lower Upper

105 100

120 46.3 22.3 66.9

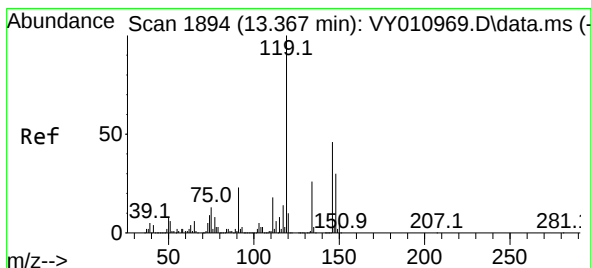
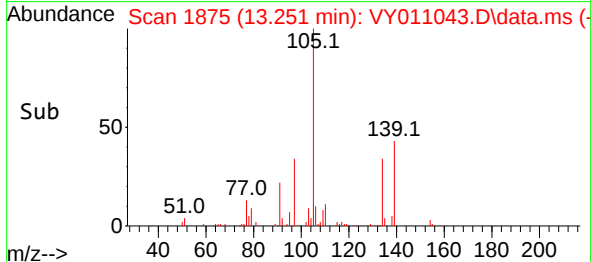
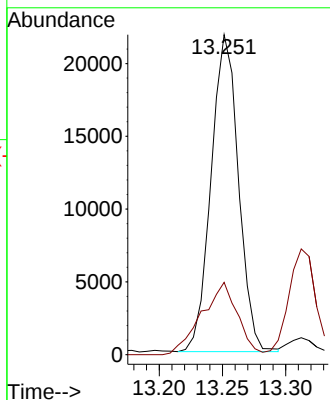
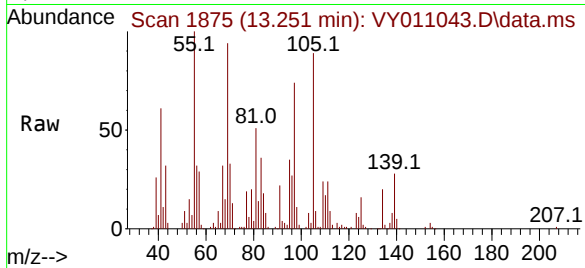




#85
 sec-Butylbenzene
 Concen: 1.947 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY011043.D
 Acq: 21 Oct 2022 12:29

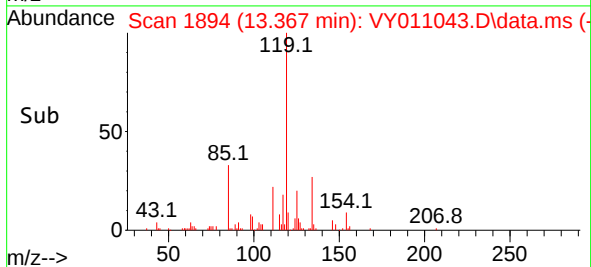
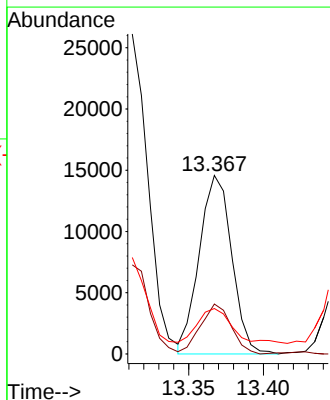
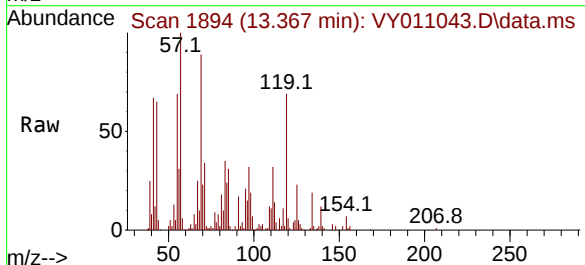
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-B1-3.5-4.0

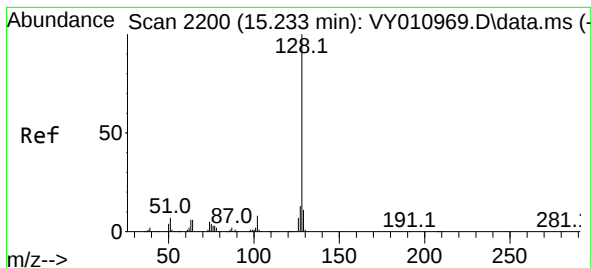
Tgt Ion:105 Resp: 32820
 Ion Ratio Lower Upper
 105 100
 134 29.7 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 1.573 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY011043.D
 Acq: 21 Oct 2022 12:29

Tgt Ion:119 Resp: 22001
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.2 39.5
 91 20.3 12.4 37.2





#95

Naphthalene

Concen: 56.514 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011043.D

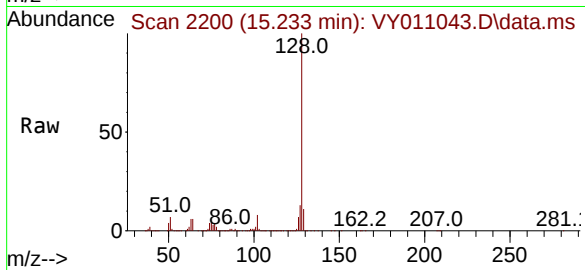
Acq: 21 Oct 2022 12:29

Instrument :

MSVOA_Y

ClientSampleId :

SB-B1-3.5-4.0



Tgt Ion:128 Resp: 446350

Ion Ratio Lower Upper

128 100

127 12.9 11.0 16.4

129 10.9 8.4 12.6

