

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022222\
 Data File : VY007583.D
 Acq On : 22 Feb 2022 15:18
 Operator : SY/MD
 Sample : N1600-06
 Misc : 4.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AA7

Quant Time: Feb 22 16:11:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 15:25:36 2022
 Response via : Initial Calibration

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

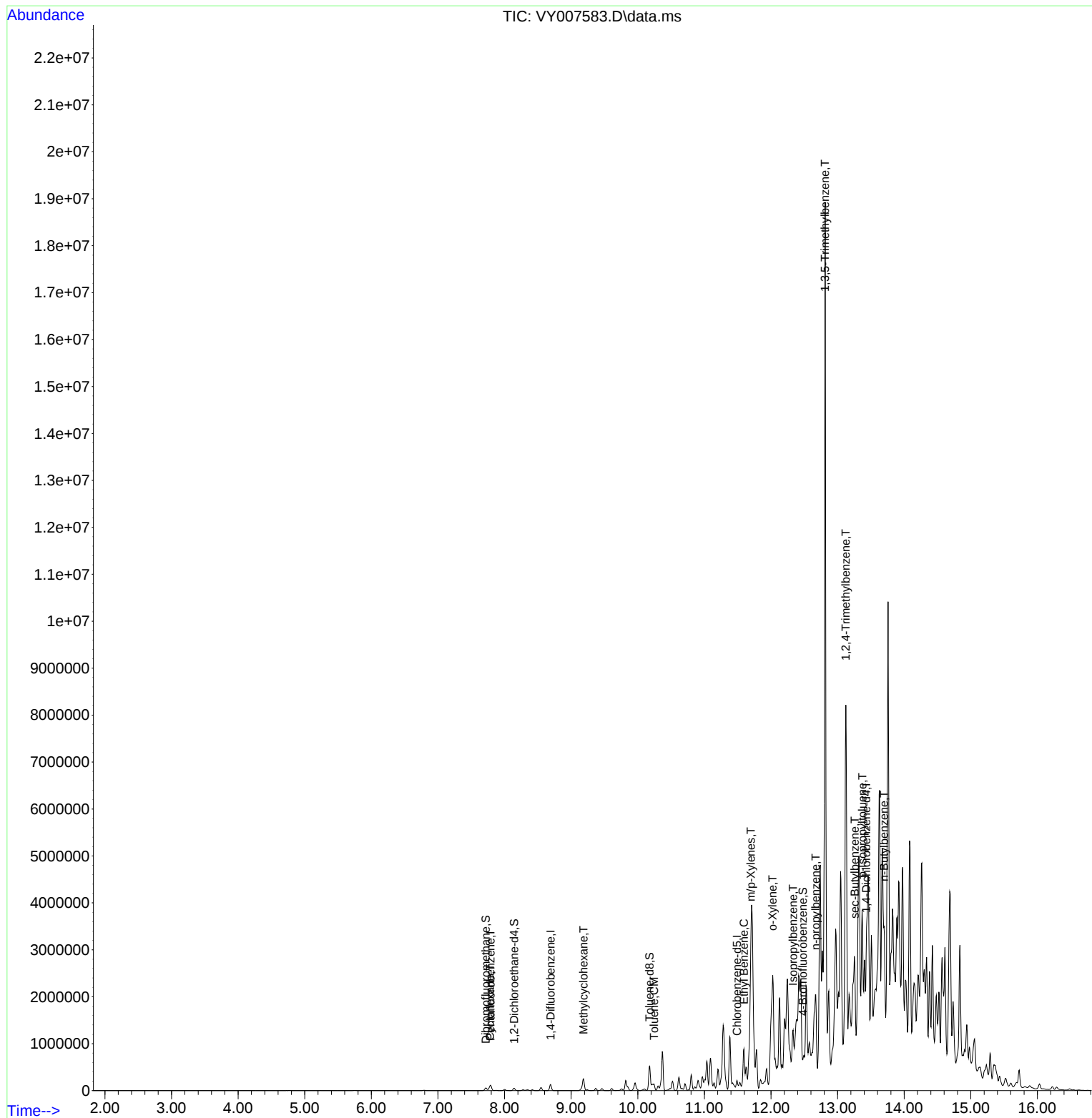
Internal Standards						
1) Pentafluorobenzene	7.789	168	66078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	108402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	88063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	39222	50.00	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	39094	57.12	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.24%	
35) Dibromofluoromethane	7.716	113	36147	52.59	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.18%	
50) Toluene-d8	10.179	98	137480	57.69	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.38%	
62) 4-Bromofluorobenzene	12.477	95	69747	80.82	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 161.64%#	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.783	56	14680	13.78	ug/l #	81
39) Methylcyclohexane	9.185	83	105681	83.32	ug/l #	84
52) Toluene	10.246	92	51180	27.75	ug/l	96
67) Ethyl Benzene	11.593	91	471204	144.03	ug/l	100
68) m/p-Xylenes	11.697	106	491883	394.88	ug/l	90
69) o-Xylene	12.026	106	388458	327.01	ug/l	91
73) Isopropylbenzene	12.331	105	291283	93.82	ug/l	99
78) n-propylbenzene	12.672	91	1023604	282.84	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	1098464	422.06	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	3537904	1383.11	ug/l	91
85) sec-Butylbenzene	13.258	105	585361	174.94	ug/l	87
86) p-Isopropyltoluene	13.373	119	335820	119.18	ug/l #	87
89) n-Butylbenzene	13.697	91	864373	335.86	ug/l #	83

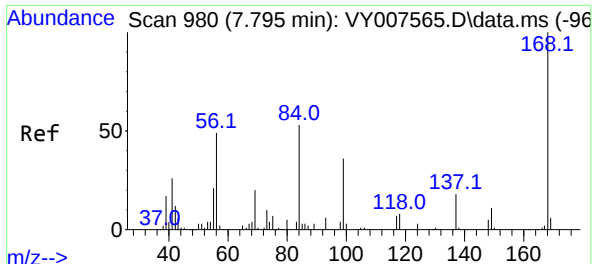
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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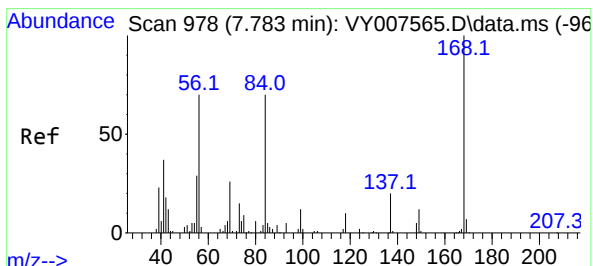
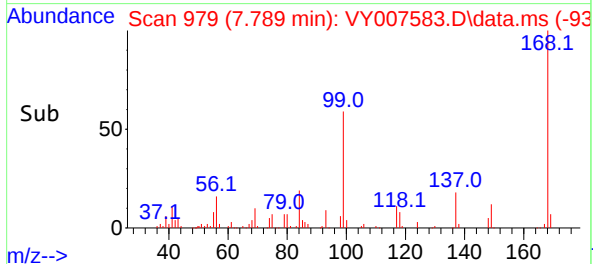
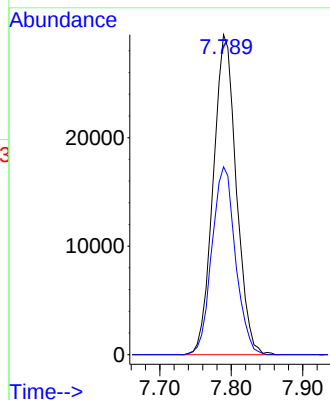
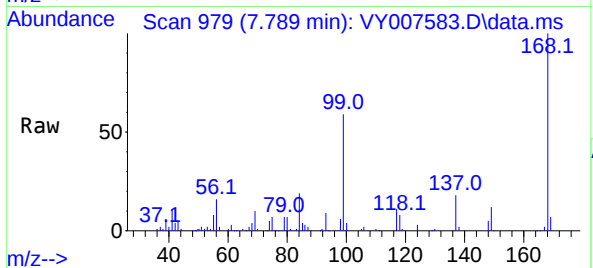




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007583.D
Acq: 22 Feb 2022 15:18

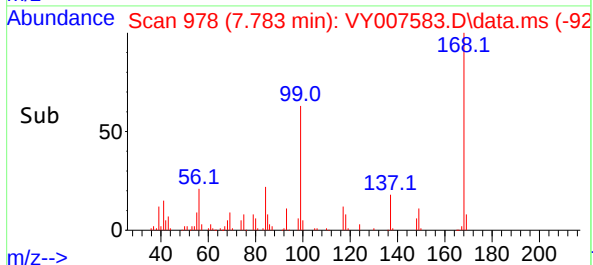
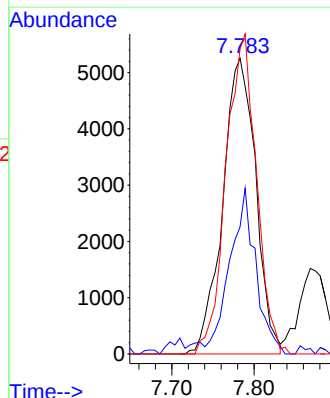
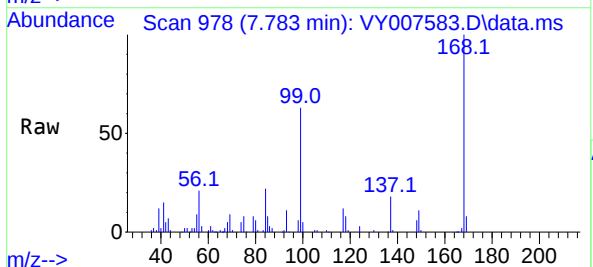
Instrument :
MSVOA_Y
ClientSampleId :
C0AA7

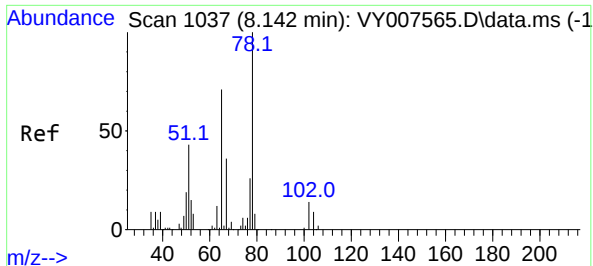
Tgt Ion:168 Resp: 66078
Ion Ratio Lower Upper
168 100
99 58.7 46.9 70.3



#31
Cyclohexane
Concen: 13.78 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY007583.D
Acq: 22 Feb 2022 15:18

Tgt Ion: 56 Resp: 14680
Ion Ratio Lower Upper
56 100
69 40.3 26.7 40.1#
84 103.1 67.2 100.8#

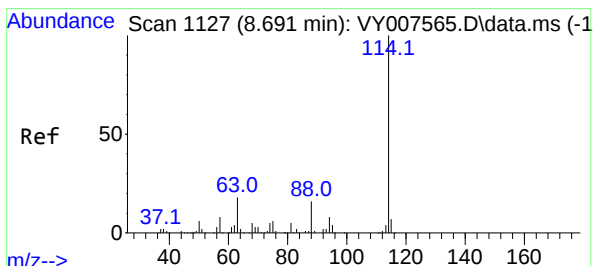
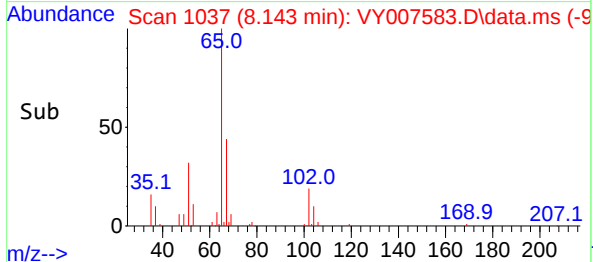
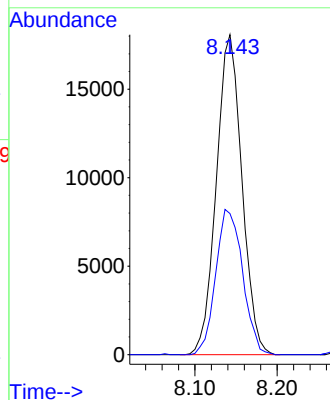
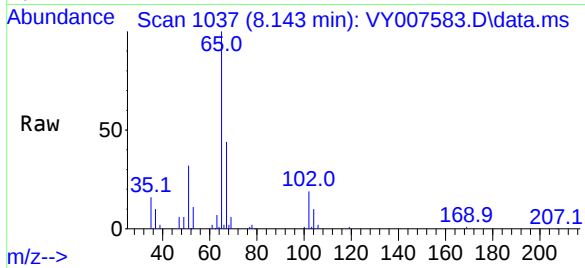




#33
1,2-Dichloroethane-d4
Concen: 57.12 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY007583.D
Acq: 22 Feb 2022 15:18

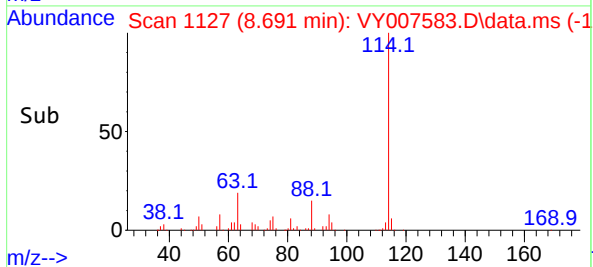
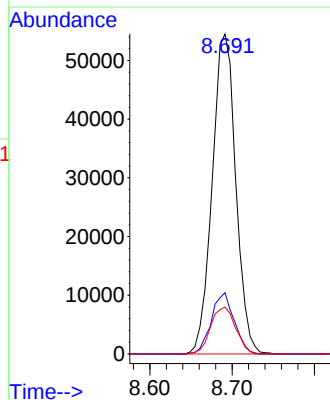
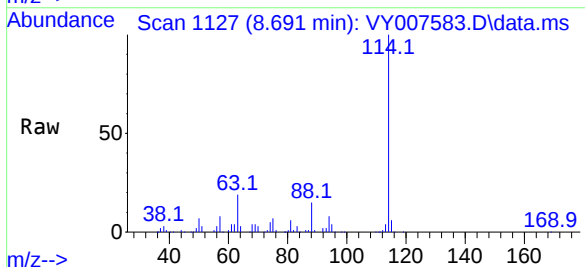
Instrument :
MSVOA_Y
ClientSampleId :
C0AA7

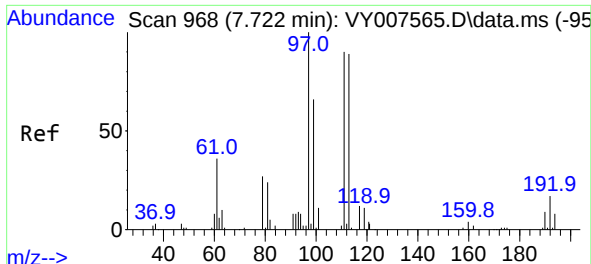
Tgt Ion: 65 Resp: 39094
Ion Ratio Lower Upper
65 100
67 47.7 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007583.D
Acq: 22 Feb 2022 15:18

Tgt Ion: 114 Resp: 108402
Ion Ratio Lower Upper
114 100
63 19.1 0.0 43.2
88 14.7 0.0 31.8

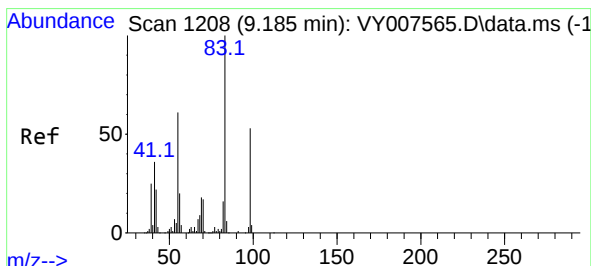
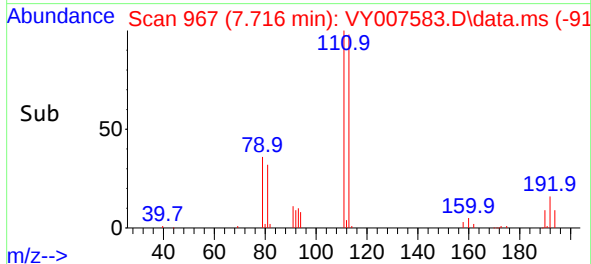
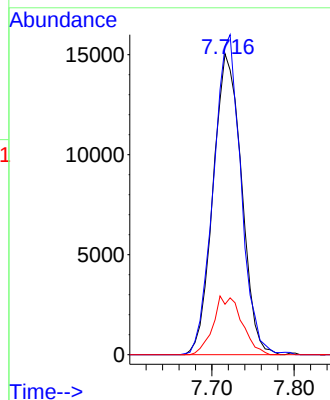
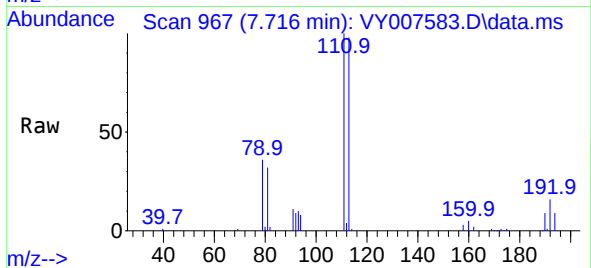




#35
Dibromofluoromethane
Concen: 52.59 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007583.D
Acq: 22 Feb 2022 15:18

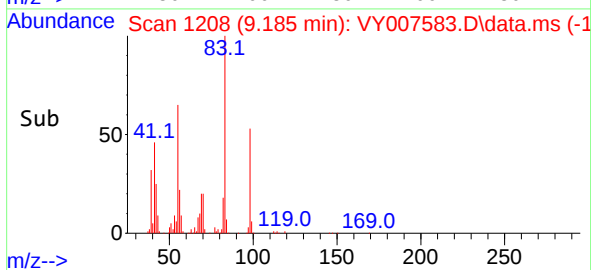
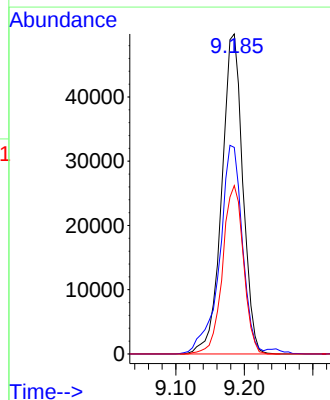
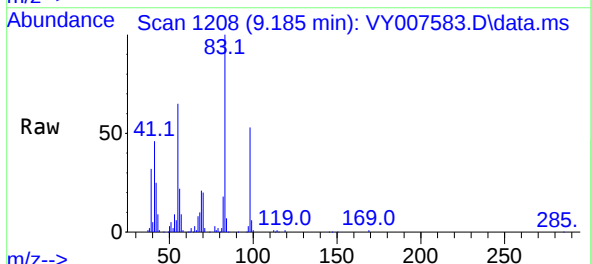
Instrument :
MSVOA_Y
ClientSampleId :
C0AA7

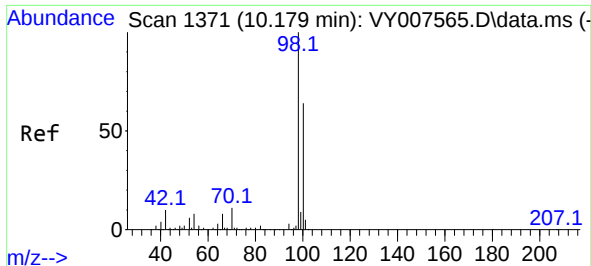
Tgt Ion:113 Resp: 36147
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 19.6 17.6 26.4



#39
Methylcyclohexane
Concen: 83.32 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.000 min
Lab File: VY007583.D
Acq: 22 Feb 2022 15:18

Tgt Ion: 83 Resp: 105681
Ion Ratio Lower Upper
83 100
55 64.4 66.5 99.7#
98 52.6 37.9 56.9

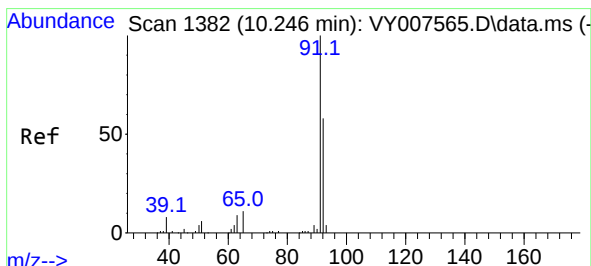
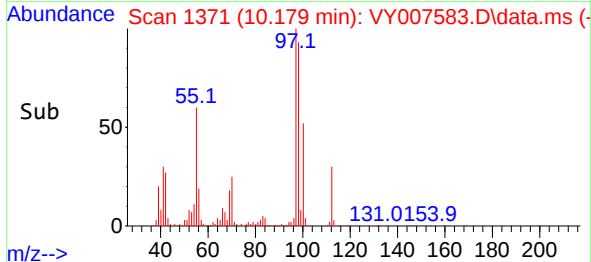
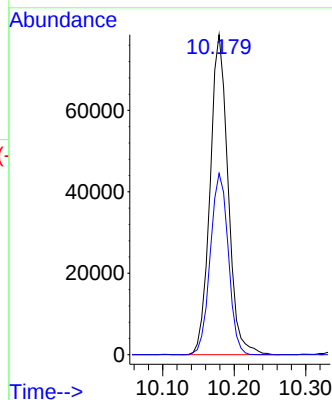
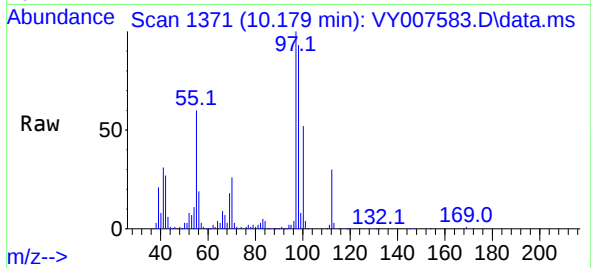




#50
Toluene-d8
Concen: 57.69 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007583.D
Acq: 22 Feb 2022 15:18

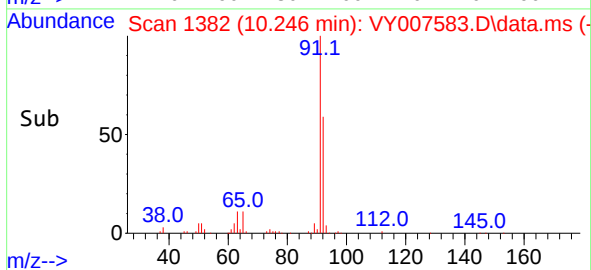
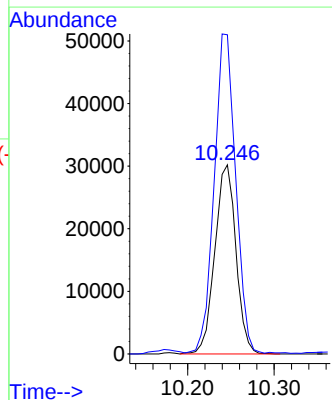
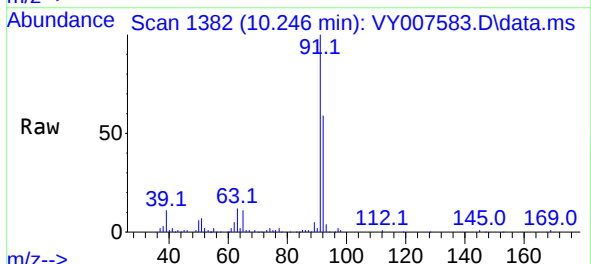
Instrument :
MSVOA_Y
ClientSampleId :
C0AA7

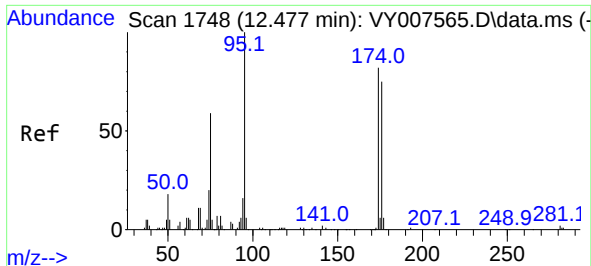
Tgt Ion: 98 Resp: 137480
Ion Ratio Lower Upper
98 100
100 56.5 50.2 75.2



#52
Toluene
Concen: 27.75 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY007583.D
Acq: 22 Feb 2022 15:18

Tgt Ion: 92 Resp: 51180
Ion Ratio Lower Upper
92 100
91 172.0 142.6 213.8

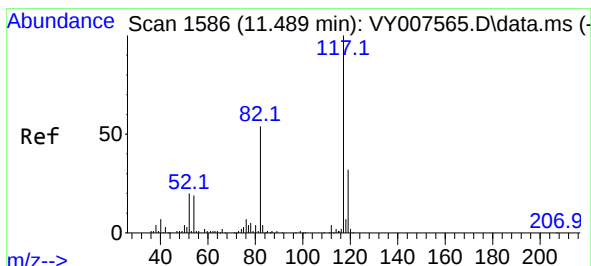
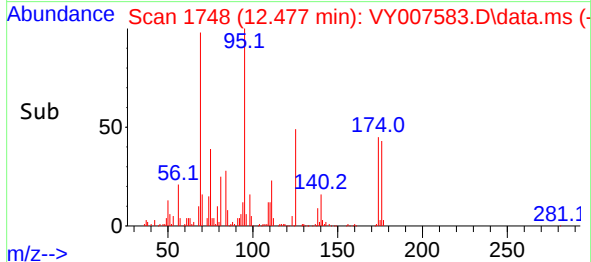
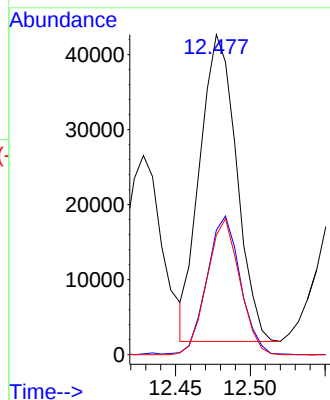
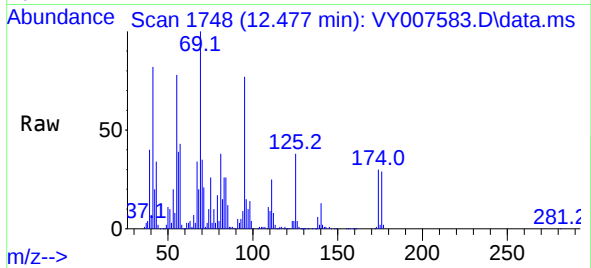




#62
4-Bromofluorobenzene
Concen: 80.82 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007583.D
Acq: 22 Feb 2022 15:18

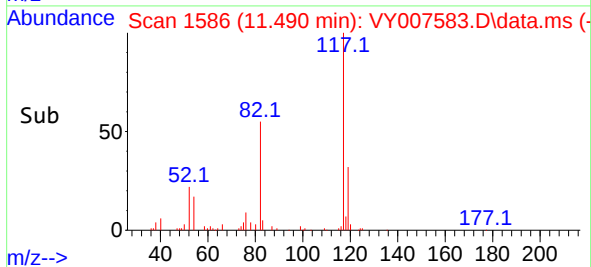
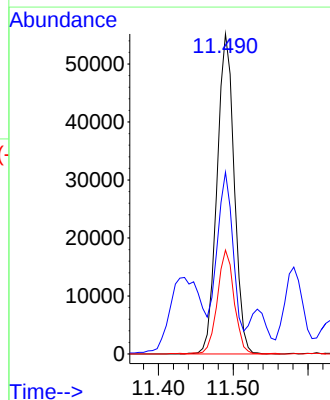
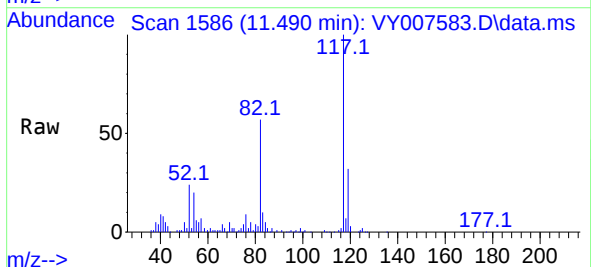
Instrument :
MSVOA_Y
ClientSampleId :
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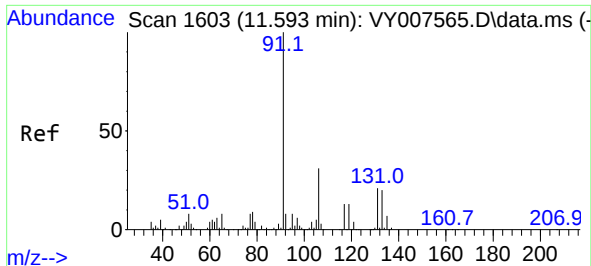
Tgt Ion: 95 Resp: 69747
Ion Ratio Lower Upper
95 100
174 41.3 0.0 177.0
176 39.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY007583.D
Acq: 22 Feb 2022 15:18

Tgt Ion: 117 Resp: 88063
Ion Ratio Lower Upper
117 100
82 47.8 43.0 64.4
119 32.5 25.4 38.0





#67

Ethyl Benzene

Concen: 144.03 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007583.D

Acq: 22 Feb 2022 15:18

Instrument :

MSVOA_Y

ClientSampleId :

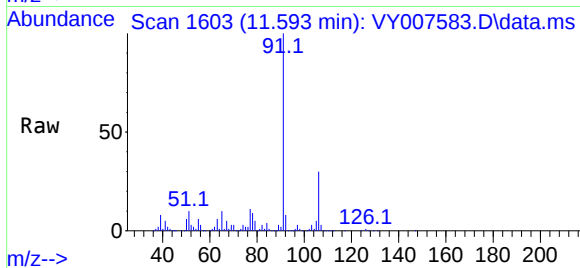
C0AA7

Tgt Ion: 91 Resp: 471204

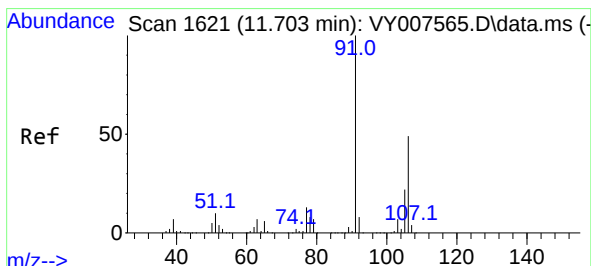
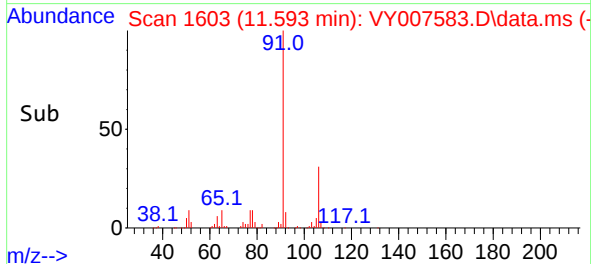
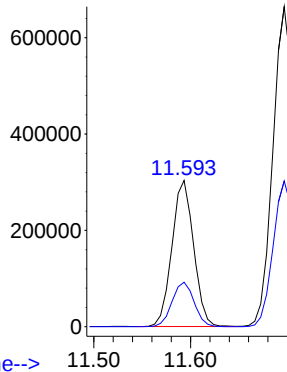
Ion Ratio Lower Upper

91 100

106 30.5 24.5 36.7



Abundance



#68

m/p-Xylenes

Concen: 394.88 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY007583.D

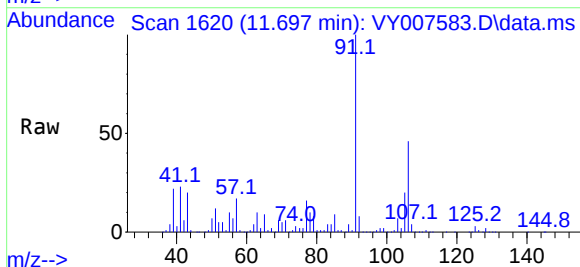
Acq: 22 Feb 2022 15:18

Tgt Ion:106 Resp: 491883

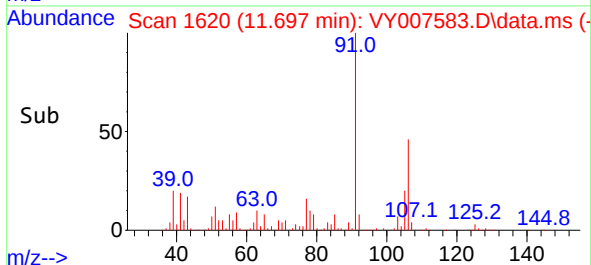
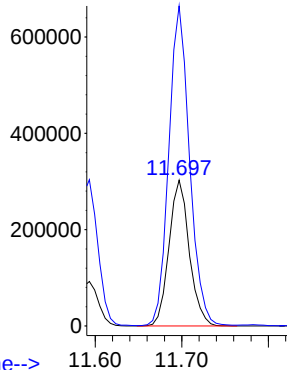
Ion Ratio Lower Upper

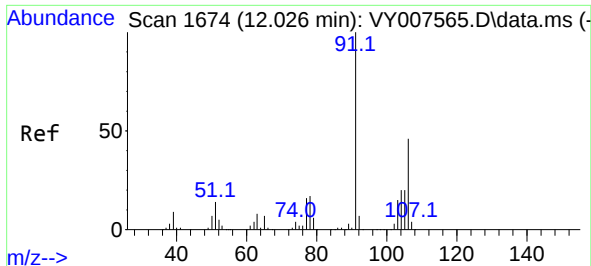
106 100

91 224.2 166.6 249.8



Abundance

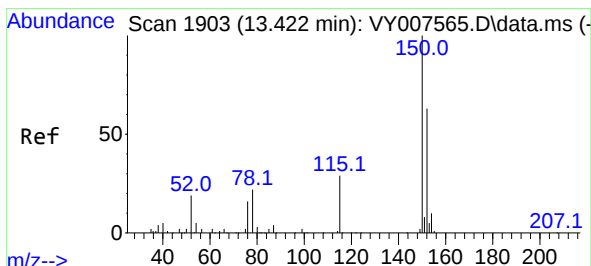
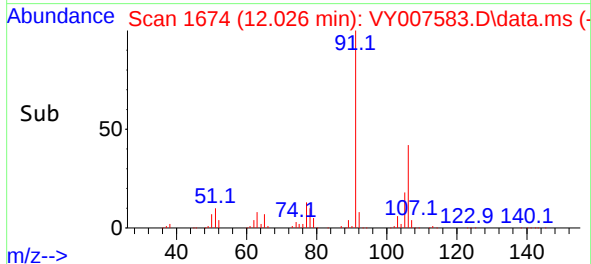
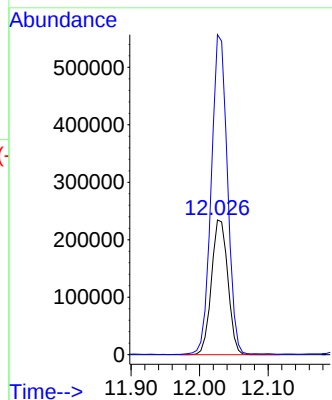
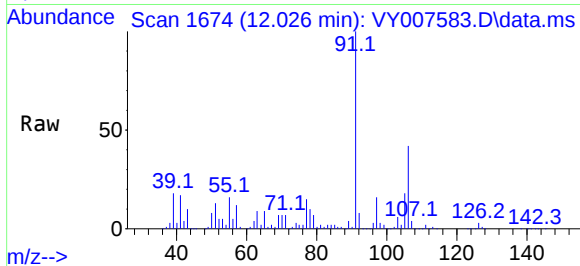




#69
o-Xylene
Concen: 327.01 ug/l
RT: 12.026 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY007583.D
Acq: 22 Feb 2022 15:18

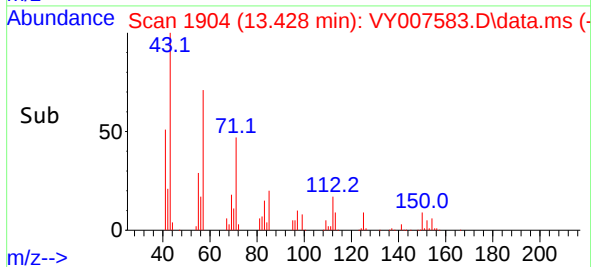
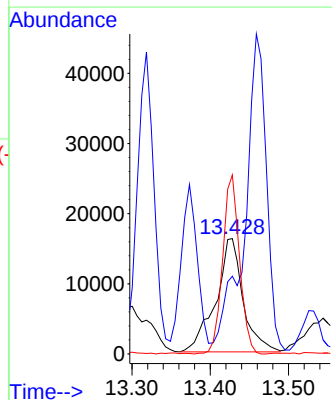
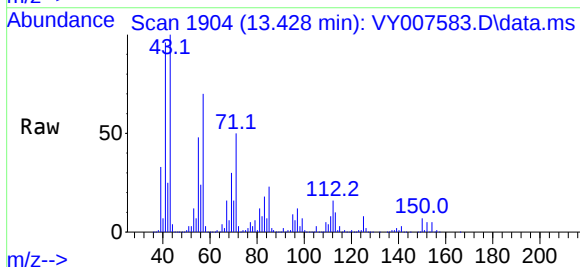
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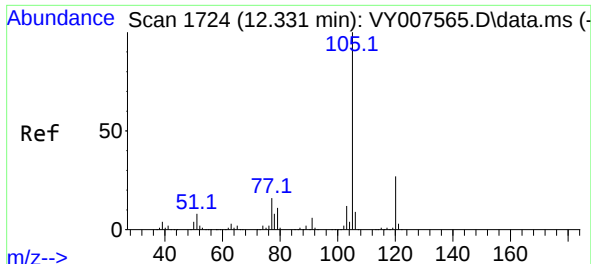
Tgt Ion:106 Resp: 388458
Ion Ratio Lower Upper
106 100
91 235.3 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007583.D
Acq: 22 Feb 2022 15:18

Tgt Ion:152 Resp: 39222
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7#
150 97.4 0.0 347.6

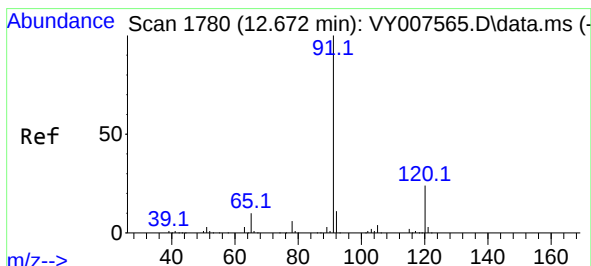
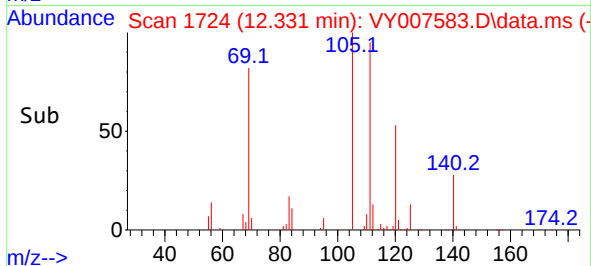
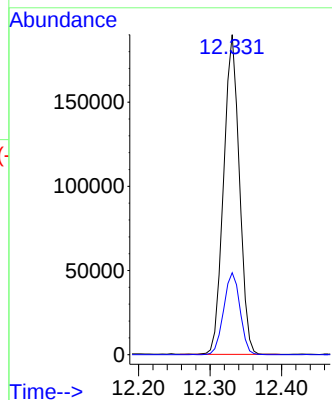
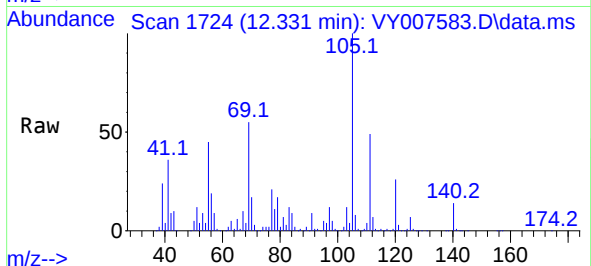




#73
Isopropylbenzene
Concen: 93.82 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY007583.D
Acq: 22 Feb 2022 15:18

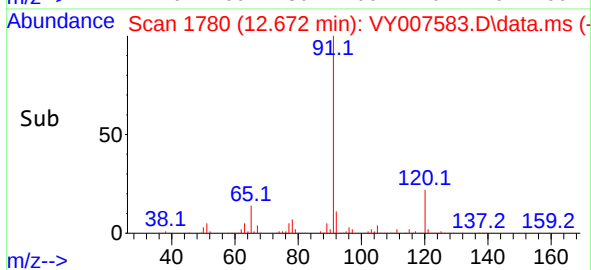
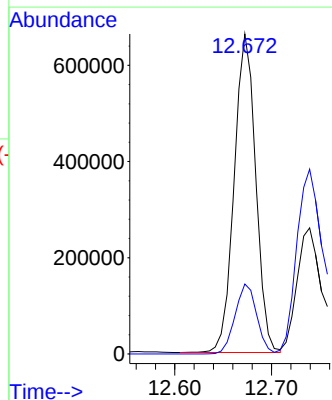
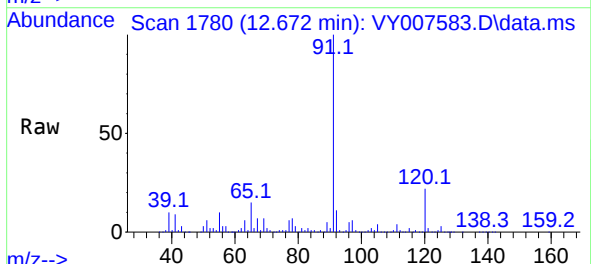
Instrument :
MSVOA_Y
ClientSampleId :
C0AA7

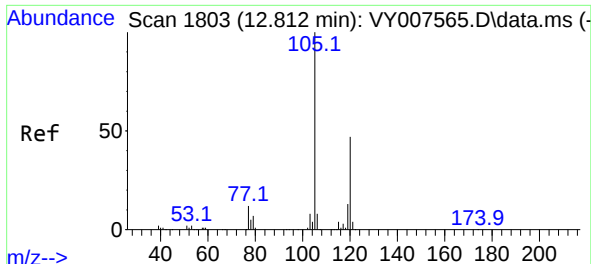
Tgt Ion:105 Resp: 291283
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.2



#78
n-propylbenzene
Concen: 282.84 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY007583.D
Acq: 22 Feb 2022 15:18

Tgt Ion: 91 Resp: 1023604
Ion Ratio Lower Upper
91 100
120 22.0 11.3 33.9

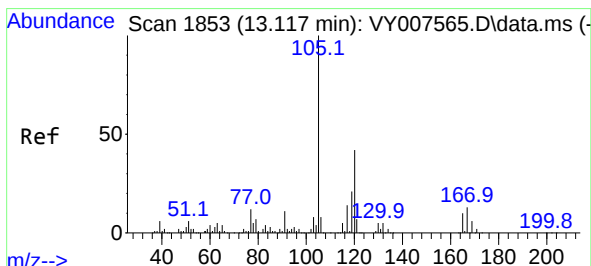
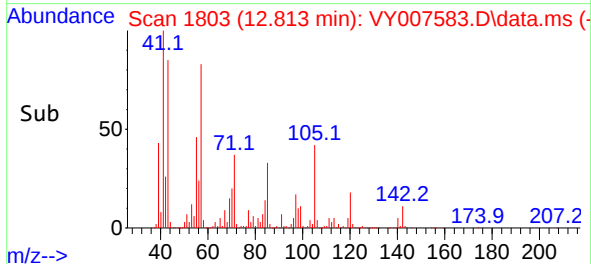
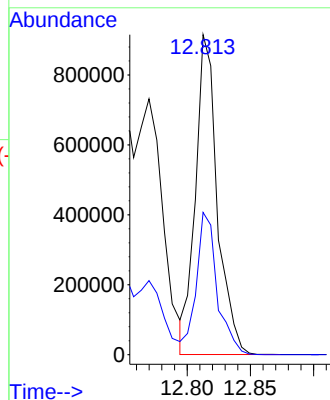
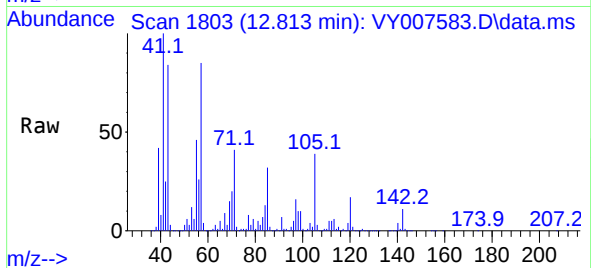




#80
1,3,5-Trimethylbenzene
Concen: 422.06 ug/l
RT: 12.813 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY007583.D
Acq: 22 Feb 2022 15:18

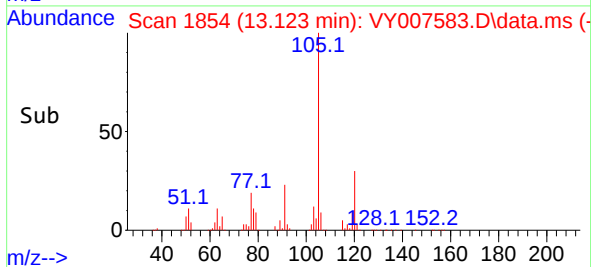
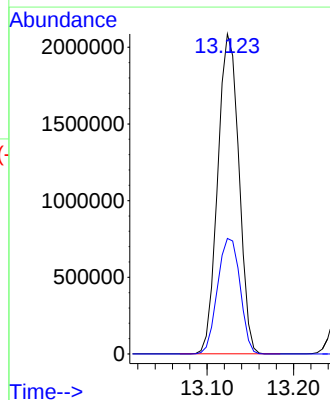
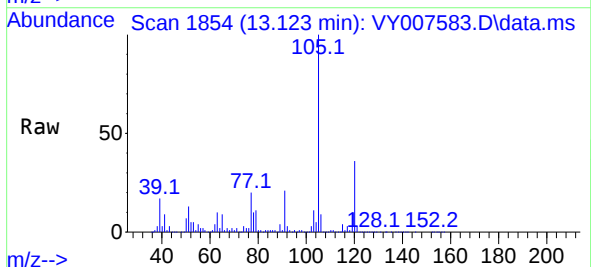
Instrument :
MSVOA_Y
ClientSampleId :
C0AA7

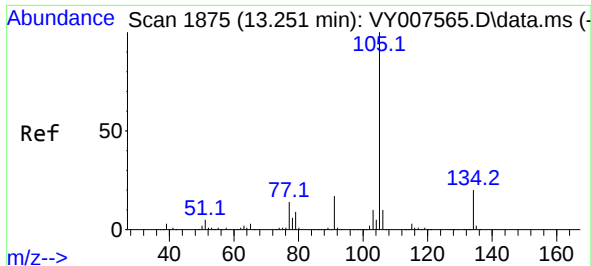
Tgt Ion:105 Resp: 1098464
Ion Ratio Lower Upper
105 100
120 42.6 24.4 73.4



#84
1,2,4-Trimethylbenzene
Concen: 1383.11 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY007583.D
Acq: 22 Feb 2022 15:18

Tgt Ion:105 Resp: 3537904
Ion Ratio Lower Upper
105 100
120 38.6 22.3 66.9

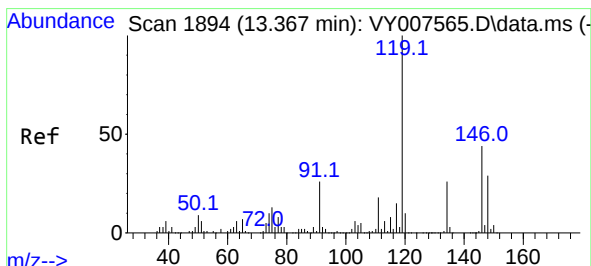
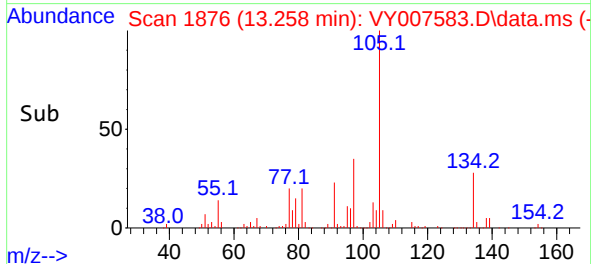
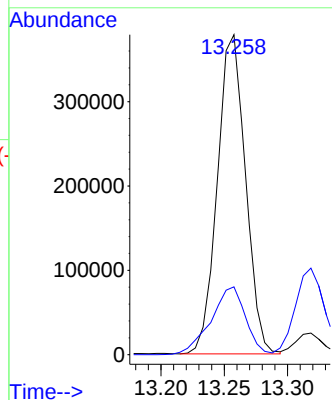
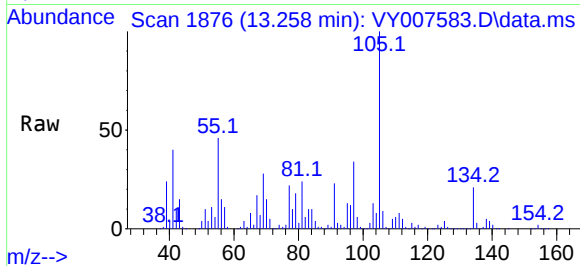




#85
 sec-Butylbenzene
 Concen: 174.94 ug/l
 RT: 13.258 min Scan# 1875
 Delta R.T. 0.007 min
 Lab File: VY007583.D
 Acq: 22 Feb 2022 15:18

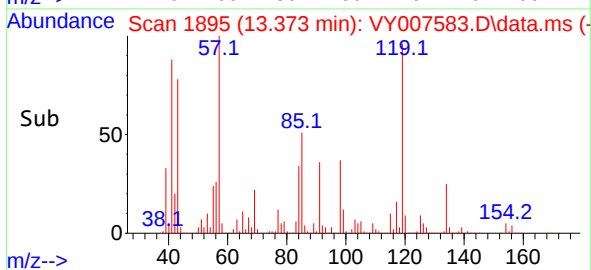
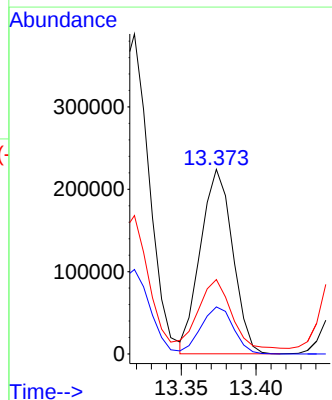
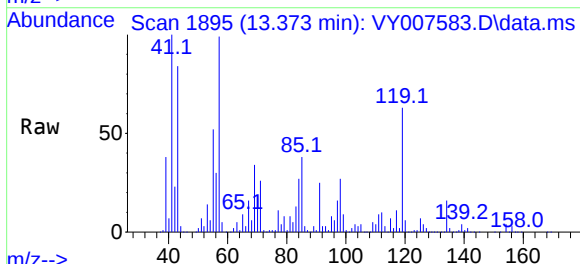
Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AA7

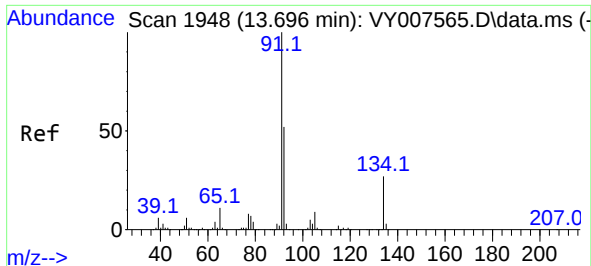
Tgt Ion:105 Resp: 585361
 Ion Ratio Lower Upper
 105 100
 134 26.2 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 119.18 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY007583.D
 Acq: 22 Feb 2022 15:18

Tgt Ion:119 Resp: 335820
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.2 39.5
 91 37.6 12.4 37.2#





#89

n-Butylbenzene

Concen: 335.86 ug/l

RT: 13.697 min Scan# 1948

Delta R.T. 0.001 min

Lab File: VY007583.D

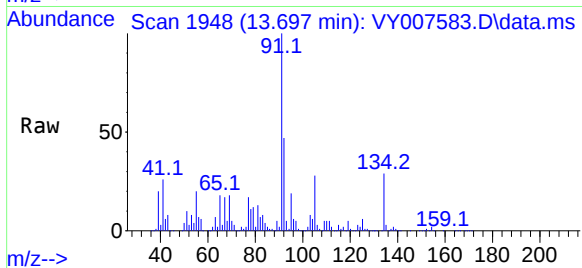
Acq: 22 Feb 2022 15:18

Instrument :

MSVOA_Y

ClientSampleId :

C0AA7



Tgt Ion: 91 Resp: 864373

Ion Ratio Lower Upper

91 100

92 53.2 26.3 78.9

134 0.0 13.0 38.9#

