

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011822\
 Data File : VY007205.D
 Acq On : 18 Jan 2022 12:48
 Operator : SY/MD
 Sample : N1145-09
 Misc : 6.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A3-9-7.0

Quant Time: Jan 19 00:31:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	110314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	201303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	177403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	61393	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	73094	54.001	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.000%
35) Dibromofluoromethane	7.722	113	67411	49.524	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.040%
50) Toluene-d8	10.185	98	248708	50.005	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.000%
62) 4-Bromofluorobenzene	12.483	95	79982	45.208	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.420%

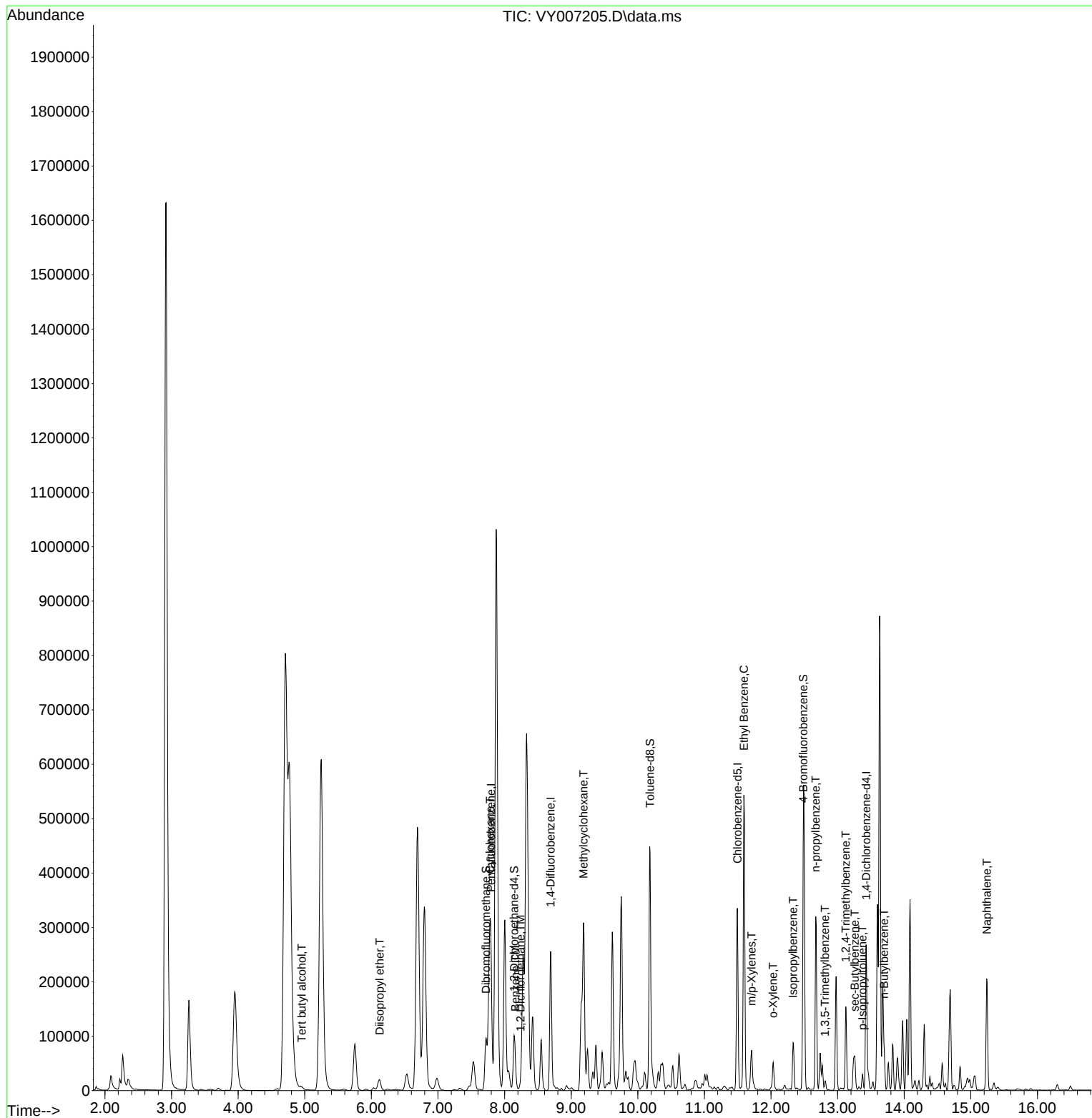
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	11473	96.451	ug/l #	73
22) Diisopropyl ether	6.125	45	24426	6.024	ug/l	90
31) Cyclohexane	7.783	56	93528	40.871	ug/l	87
39) Methylcyclohexane	9.185	83	121004	45.587	ug/l	91
40) Benzene	8.161	78	14669	2.530	ug/l	96
42) 1,2-Dichloroethane	8.240	62	8567	4.691	ug/l #	74
67) Ethyl Benzene	11.593	91	364689	50.022	ug/l	99
68) m/p-Xylenes	11.709	106	20874	7.704	ug/l	99
69) o-Xylene	12.032	106	11874	4.654	ug/l	90
73) Isopropylbenzene	12.331	105	57901	10.919	ug/l	99
78) n-propylbenzene	12.672	91	245982	37.421	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	6417	1.474	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	81090	18.790	ug/l	98
85) sec-Butylbenzene	13.258	105	36947	6.565	ug/l #	63
86) p-Isopropyltoluene	13.373	119	14438	3.122	ug/l	99
89) n-Butylbenzene	13.696	91	48024	10.545	ug/l #	56
95) Naphthalene	15.239	128	165107	63.617	ug/l	99

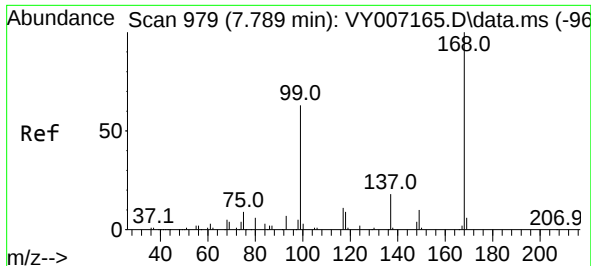
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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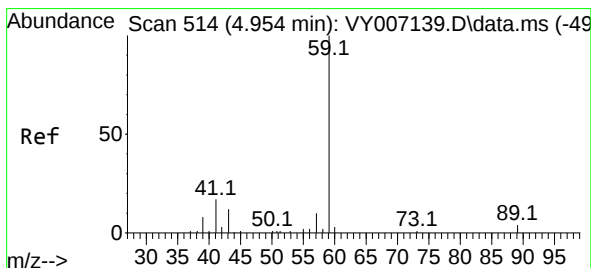
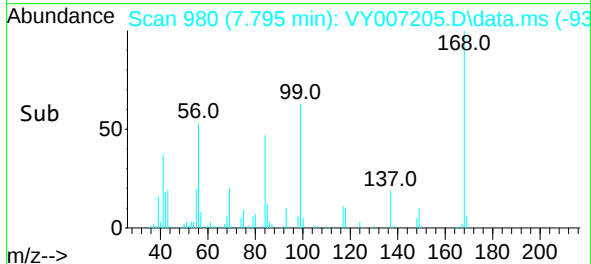
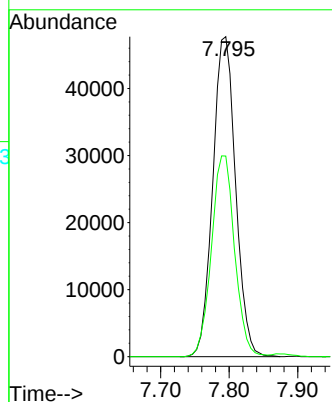
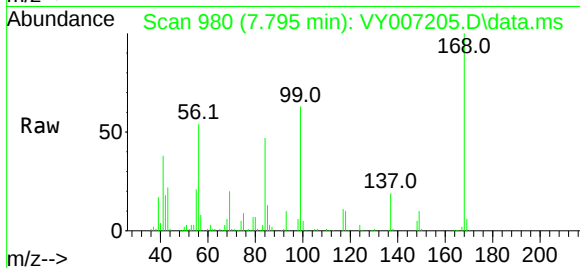




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007205.D
Acq: 18 Jan 2022 12:48

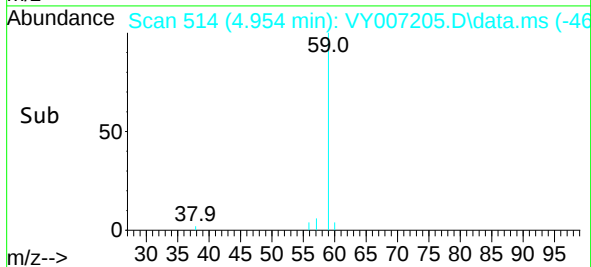
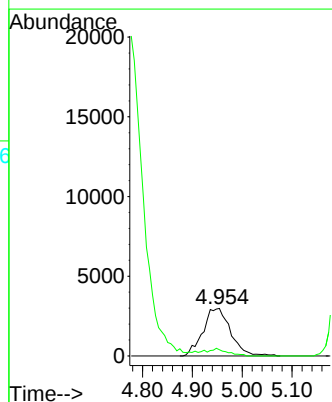
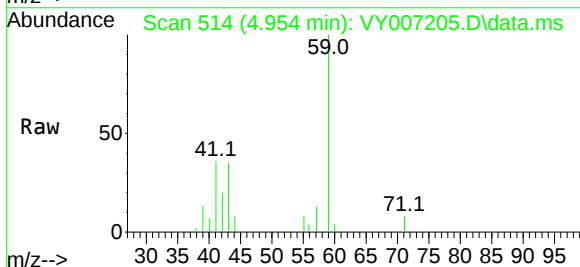
Instrument :
MSVOA_Y
ClientSampleId :
A3-9-7.0

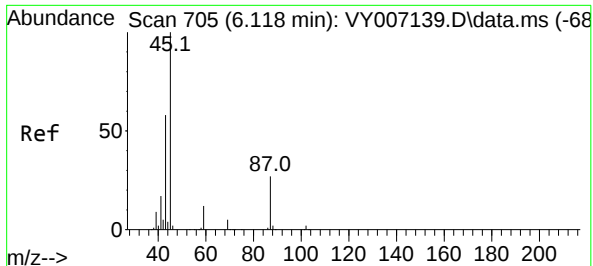
Tgt Ion:168 Resp: 110314
Ion Ratio Lower Upper
168 100
99 62.7 49.1 73.7



#11
Tert butyl alcohol
Concen: 96.451 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY007205.D
Acq: 18 Jan 2022 12:48

Tgt Ion: 59 Resp: 11473
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

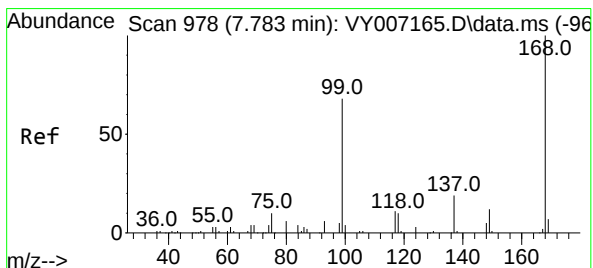
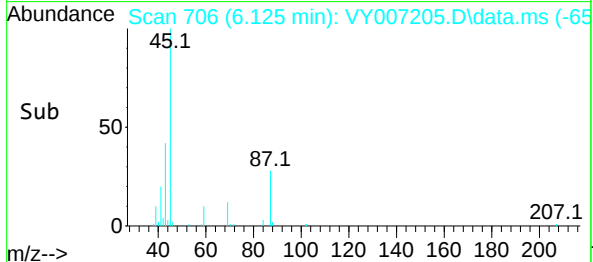
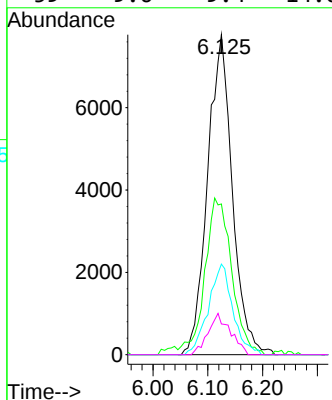
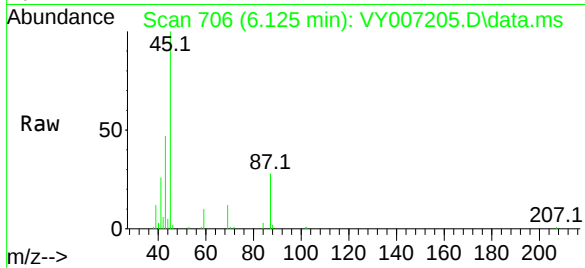




#22
Diisopropyl ether
Concen: 6.024 ug/l
RT: 6.125 min Scan# 705
Delta R.T. 0.007 min
Lab File: VY007205.D
Acq: 18 Jan 2022 12:48

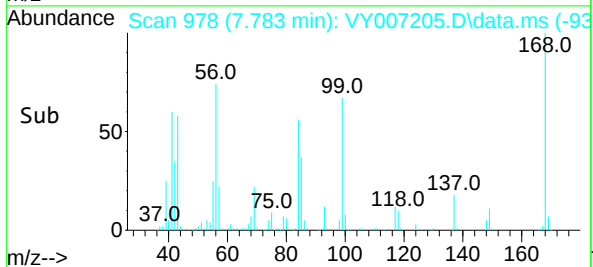
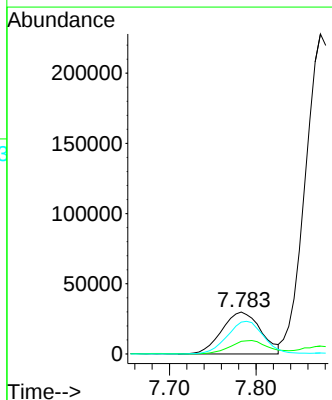
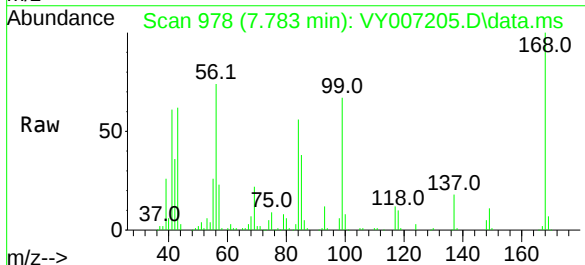
Instrument :
MSVOA_Y
ClientSampleId :
A3-9-7.0

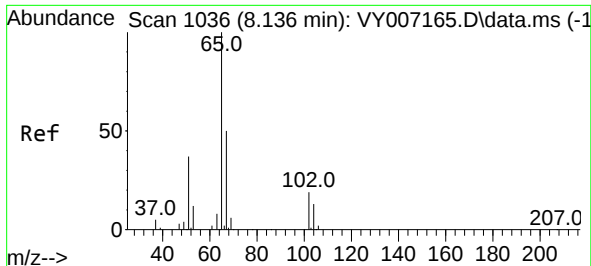
Tgt Ion:	45	Resp:	24426
Ion	Ratio	Lower	Upper
45	100		
43	46.1	45.6	68.4
87	28.3	22.2	33.2
59	9.6	9.4	14.0



#31
Cyclohexane
Concen: 40.871 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY007205.D
Acq: 18 Jan 2022 12:48

Tgt Ion:	56	Resp:	93528
Ion	Ratio	Lower	Upper
56	100		
69	29.3	27.2	40.8
84	75.8	72.1	108.1

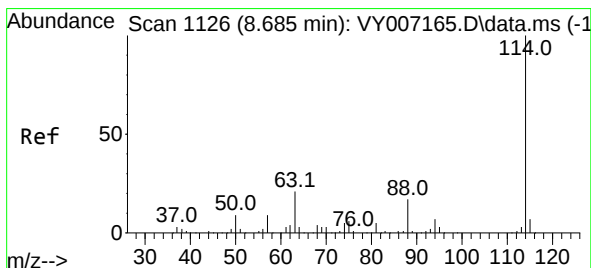
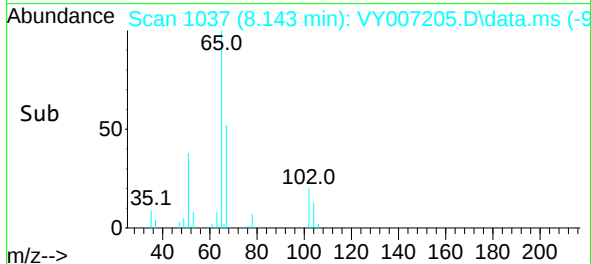
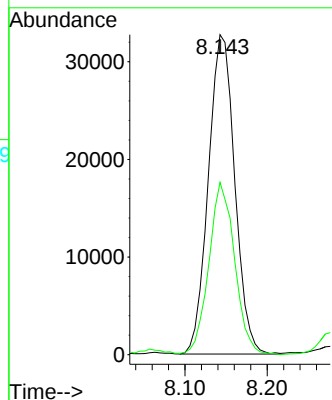
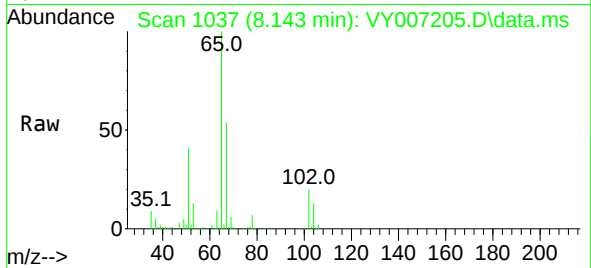




#33
 1,2-Dichloroethane-d4
 Concen: 54.001 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY007205.D
 Acq: 18 Jan 2022 12:48

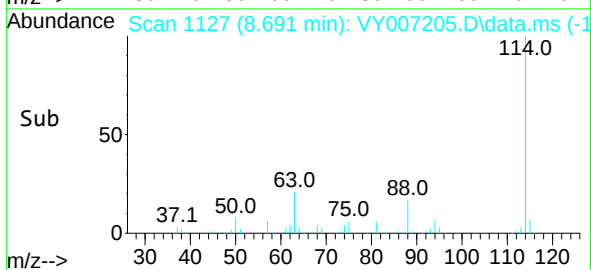
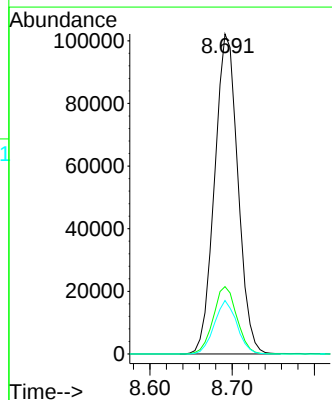
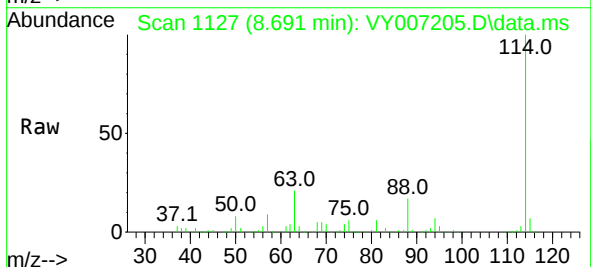
Instrument :
 MSVOA_Y
 ClientSampleId :
 A3-9-7.0

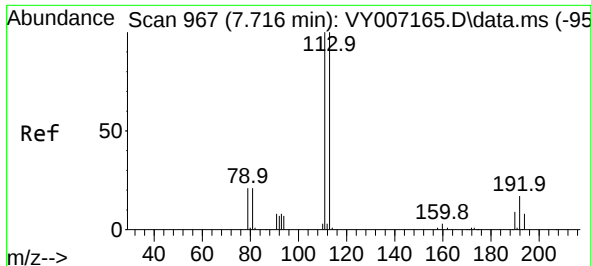
Tgt Ion: 65 Resp: 73094
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY007205.D
 Acq: 18 Jan 2022 12:48

Tgt Ion: 114 Resp: 201303
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.2
 88 16.7 0.0 31.0

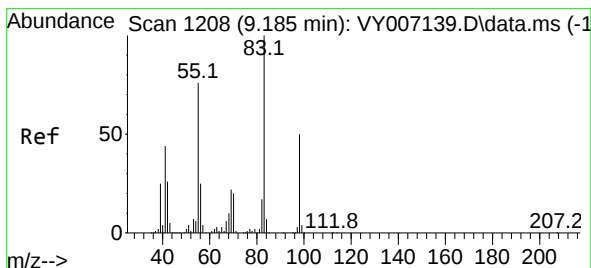
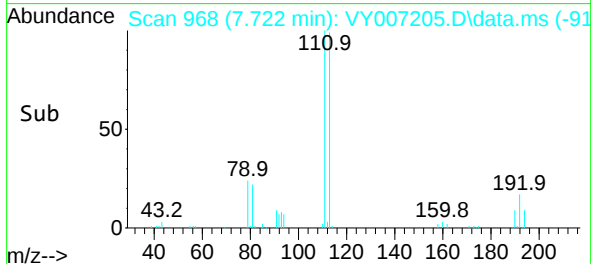
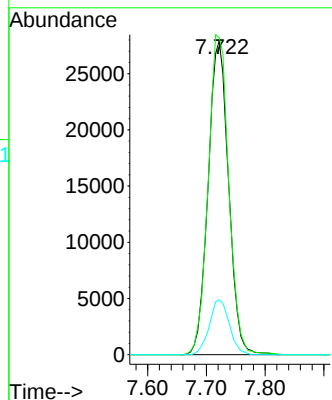
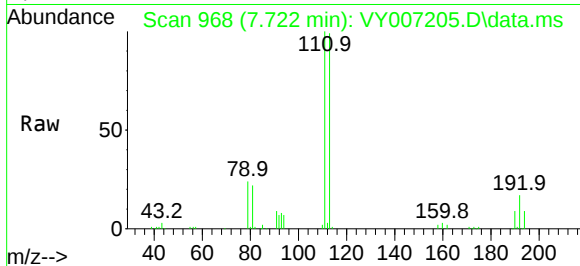




#35
Dibromofluoromethane
Concen: 49.524 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.007 min
Lab File: VY007205.D
Acq: 18 Jan 2022 12:48

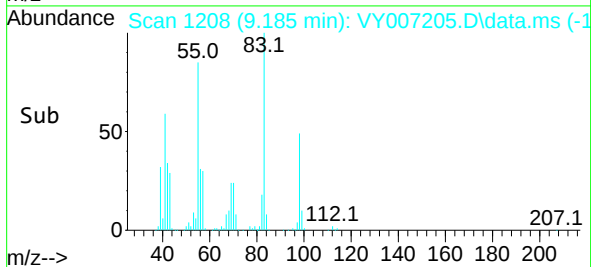
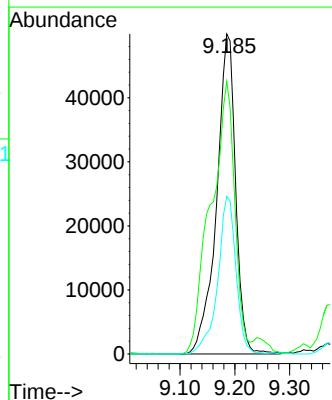
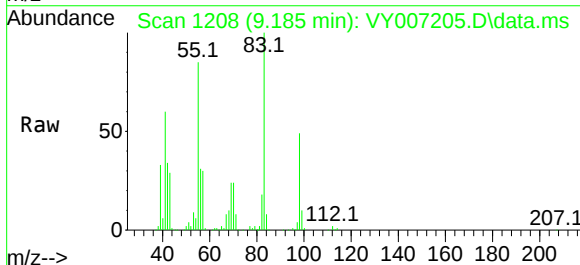
Instrument :
MSVOA_Y
ClientSampleId :
A3-9-7.0

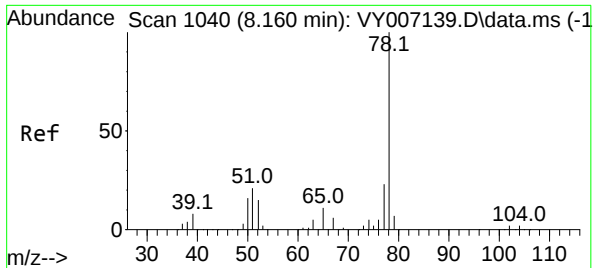
Tgt Ion:113 Resp: 67411
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 17.2 14.2 21.4



#39
Methylcyclohexane
Concen: 45.587 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.000 min
Lab File: VY007205.D
Acq: 18 Jan 2022 12:48

Tgt Ion: 83 Resp: 121004
Ion Ratio Lower Upper
83 100
55 85.2 58.8 88.2
98 49.2 38.7 58.1

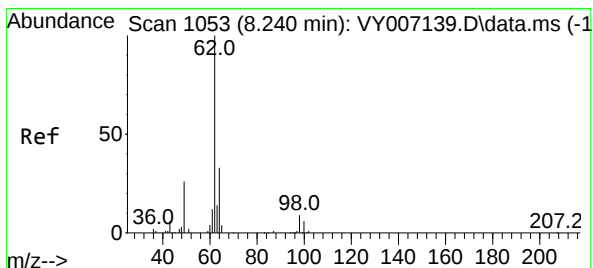
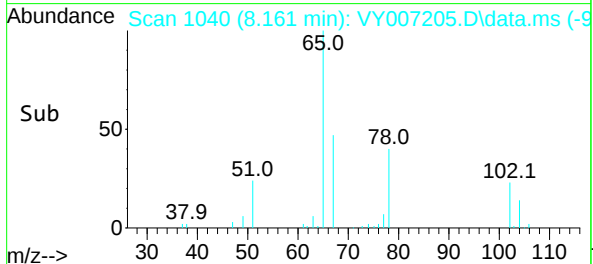
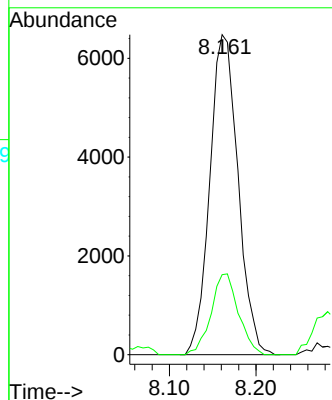
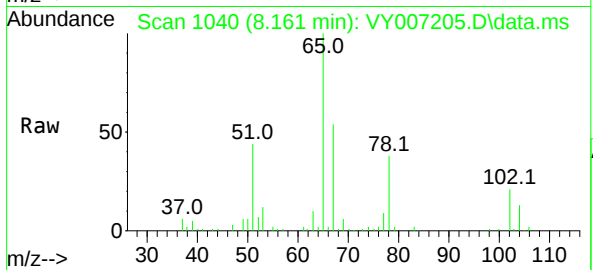




#40
Benzene
Concen: 2.530 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY007205.D
Acq: 18 Jan 2022 12:48

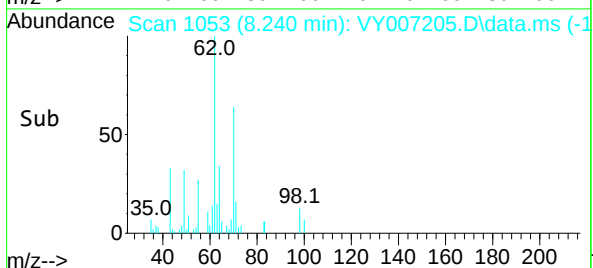
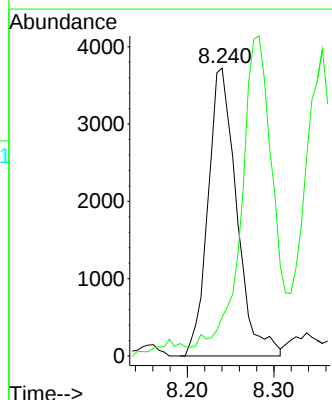
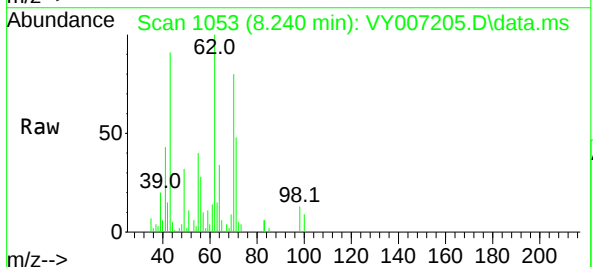
Instrument :
MSVOA_Y
ClientSampleId :
A3-9-7.0

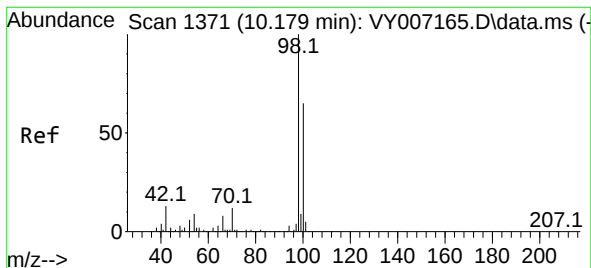
Tgt Ion: 78 Resp: 14669
Ion Ratio Lower Upper
78 100
77 25.0 18.6 27.8



#42
1,2-Dichloroethane
Concen: 4.691 ug/l
RT: 8.240 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VY007205.D
Acq: 18 Jan 2022 12:48

Tgt Ion: 62 Resp: 8567
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.2





#50

Toluene-d8

Concen: 50.005 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY007205.D

Acq: 18 Jan 2022 12:48

Instrument :

MSVOA_Y

ClientSampleId :

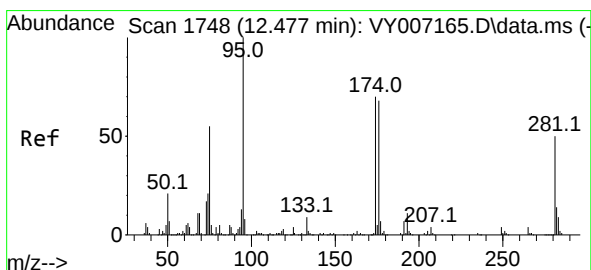
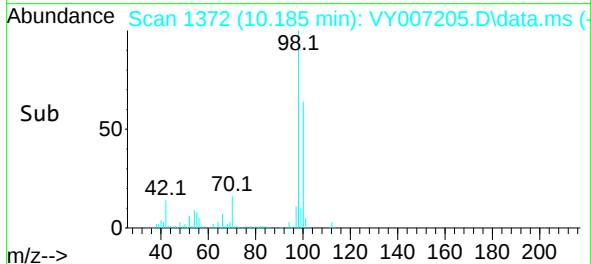
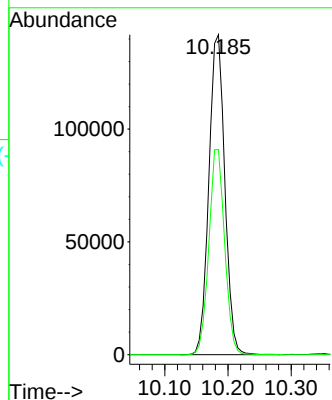
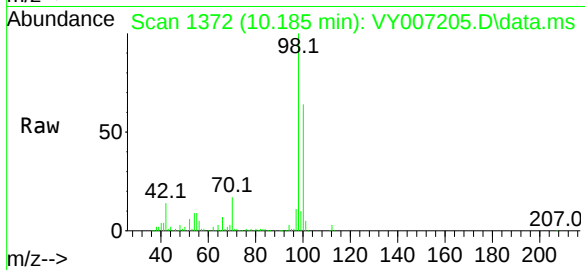
A3-9-7.0

Tgt Ion: 98 Resp: 248708

Ion Ratio Lower Upper

98 100

100 63.5 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 45.208 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY007205.D

Acq: 18 Jan 2022 12:48

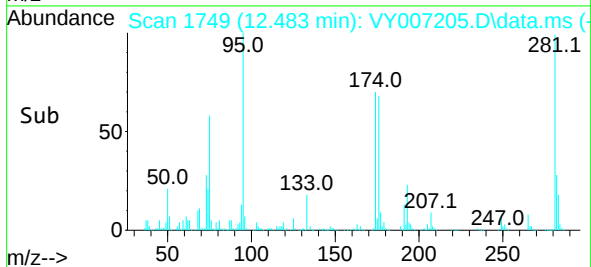
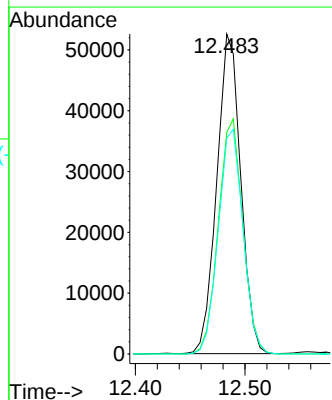
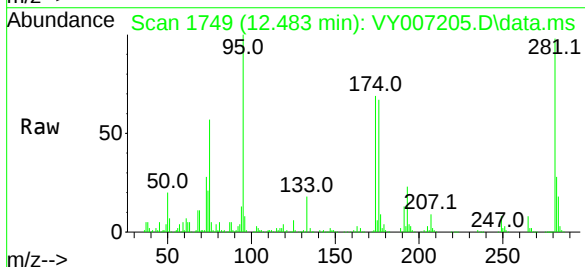
Tgt Ion: 95 Resp: 79982

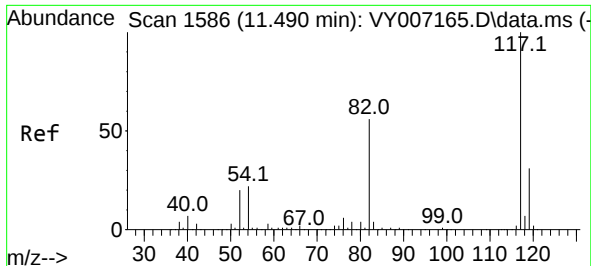
Ion Ratio Lower Upper

95 100

174 75.0 0.0 148.4

176 72.5 0.0 146.6

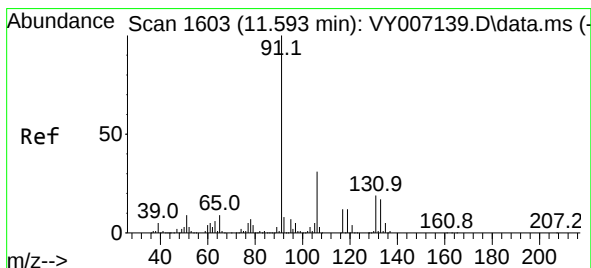
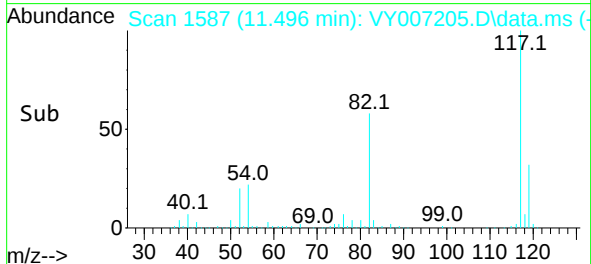
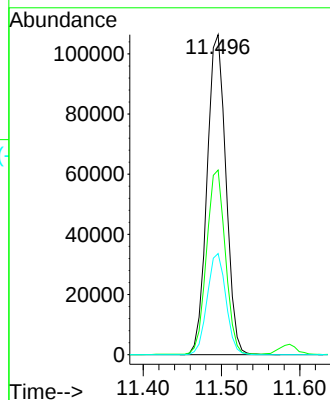
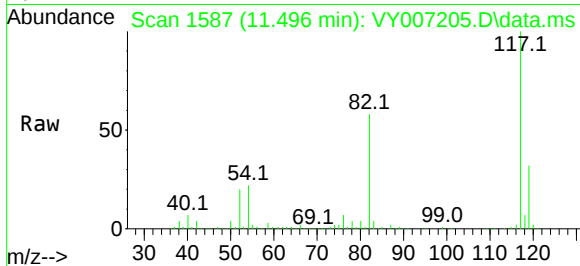




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY007205.D
Acq: 18 Jan 2022 12:48

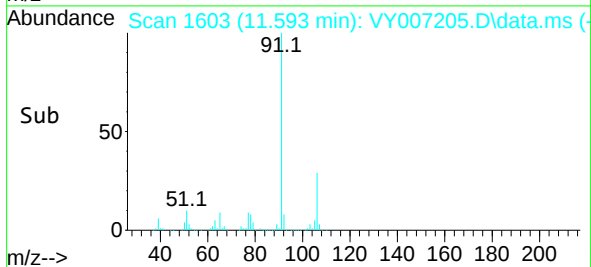
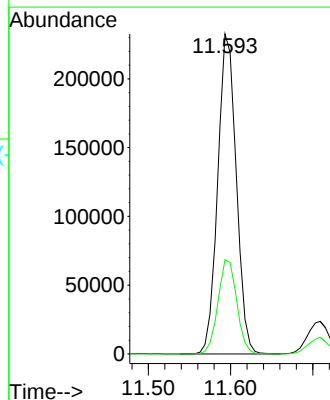
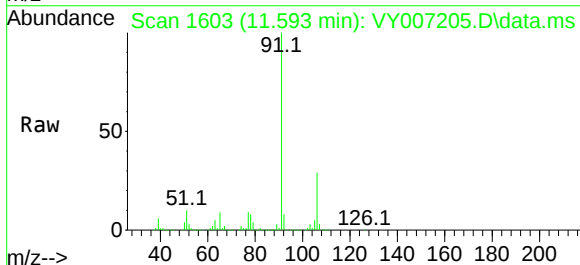
Instrument :
MSVOA_Y
ClientSampleId :
A3-9-7.0

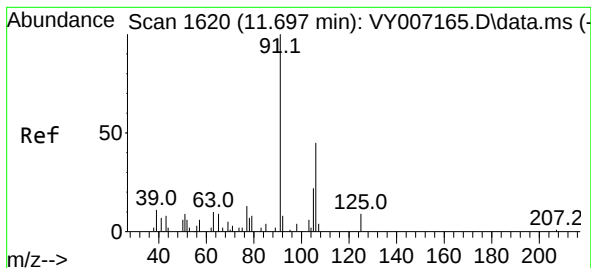
Tgt Ion:117 Resp: 177403
Ion Ratio Lower Upper
117 100
82 57.6 45.4 68.0
119 31.6 26.4 39.6



#67
Ethyl Benzene
Concen: 50.022 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY007205.D
Acq: 18 Jan 2022 12:48

Tgt Ion: 91 Resp: 364689
Ion Ratio Lower Upper
91 100
106 29.5 23.9 35.9

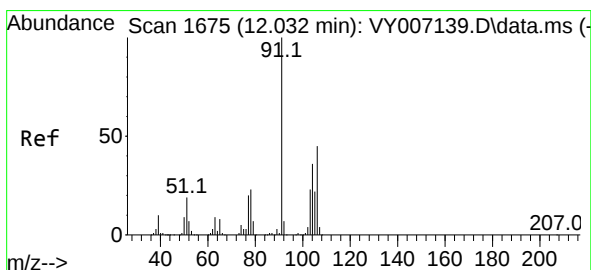
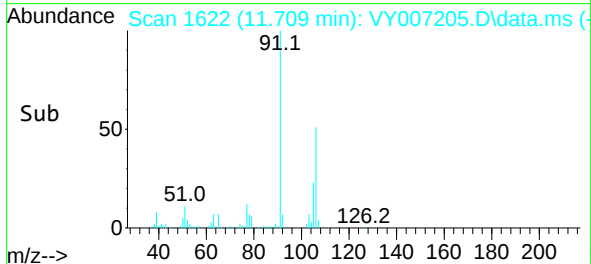
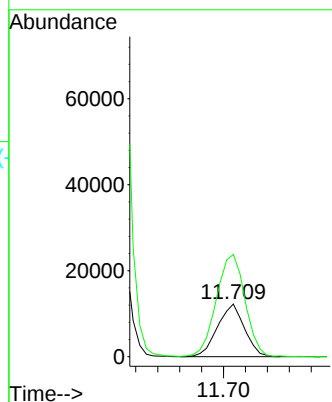
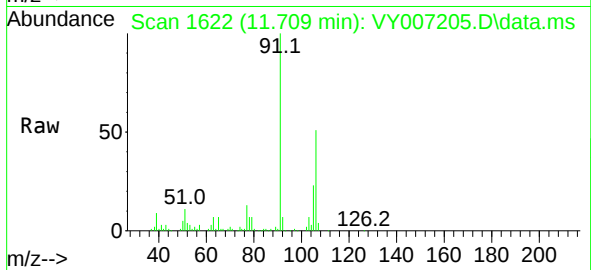




#68
m/p-Xylenes
Concen: 7.704 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.007 min
Lab File: VY007205.D
Acq: 18 Jan 2022 12:48

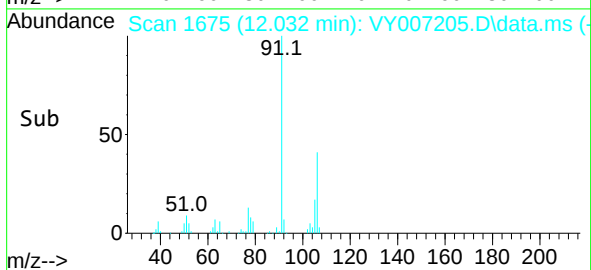
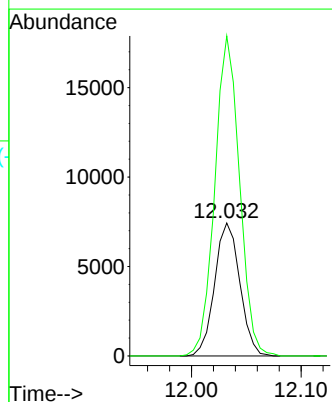
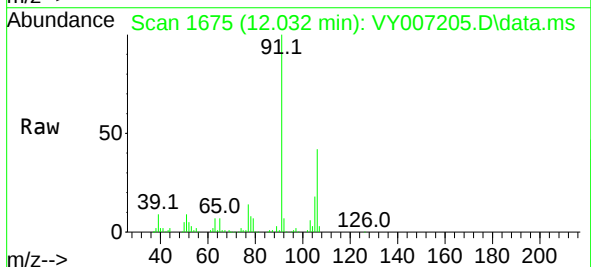
Instrument :
MSVOA_Y
ClientSampleId :
A3-9-7.0

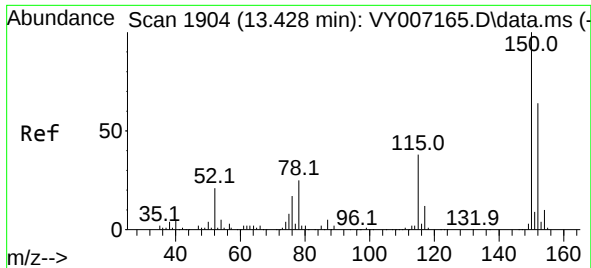
Tgt Ion:106 Resp: 20874
Ion Ratio Lower Upper
106 100
91 207.9 167.1 250.7



#69
o-Xylene
Concen: 4.654 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY007205.D
Acq: 18 Jan 2022 12:48

Tgt Ion:106 Resp: 11874
Ion Ratio Lower Upper
106 100
91 236.1 109.9 329.6

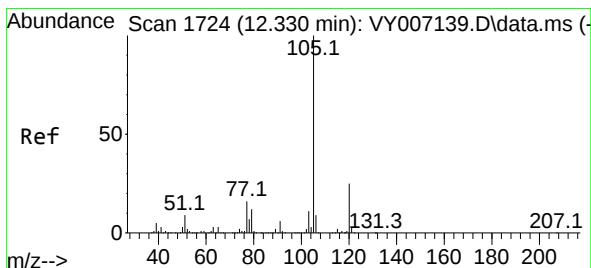
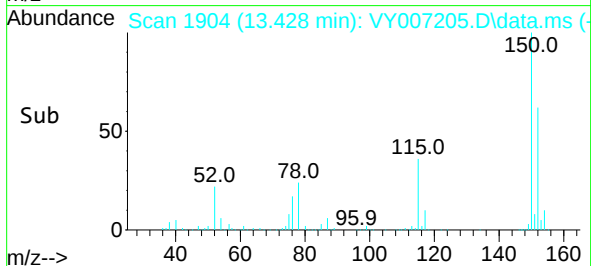
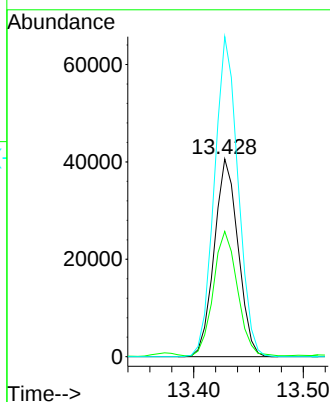
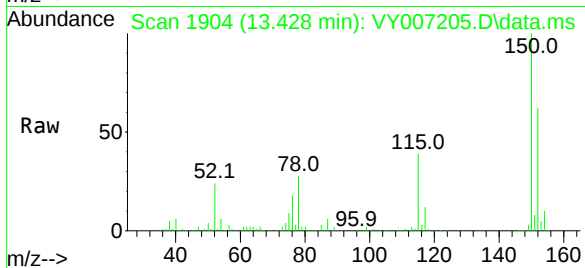




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY007205.D
 Acq: 18 Jan 2022 12:48

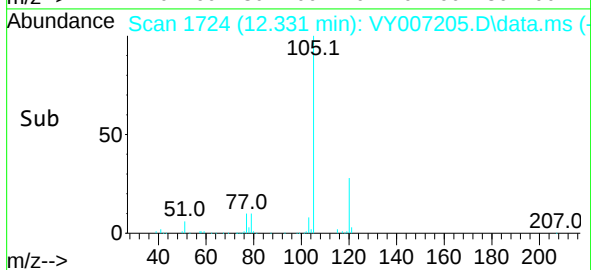
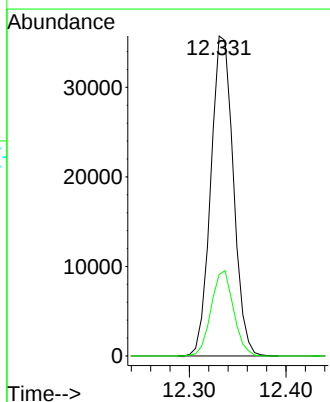
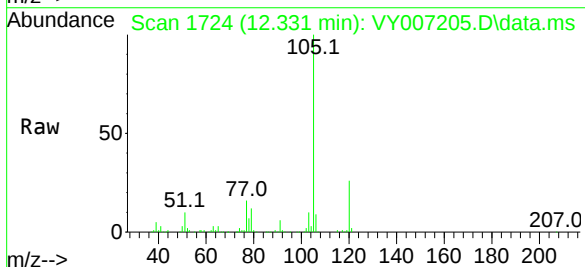
Instrument :
 MSVOA_Y
 ClientSampleId :
 A3-9-7.0

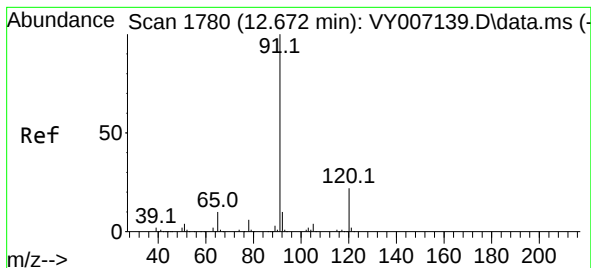
Tgt Ion:152 Resp: 61393
 Ion Ratio Lower Upper
 152 100
 115 63.1 31.4 94.0
 150 160.5 0.0 348.4



#73
 Isopropylbenzene
 Concen: 10.919 ug/l
 RT: 12.331 min Scan# 1724
 Delta R.T. 0.000 min
 Lab File: VY007205.D
 Acq: 18 Jan 2022 12:48

Tgt Ion:105 Resp: 57901
 Ion Ratio Lower Upper
 105 100
 120 26.5 13.1 39.1





#78

n-propylbenzene

Concen: 37.421 ug/l

RT: 12.672 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY007205.D

Acq: 18 Jan 2022 12:48

Instrument :

MSVOA_Y

ClientSampleId :

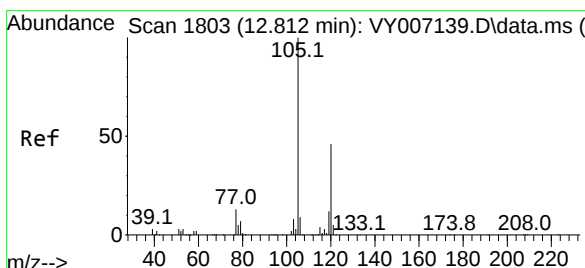
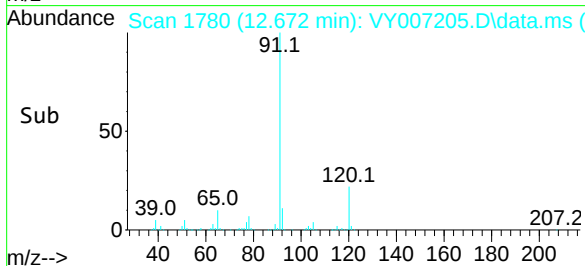
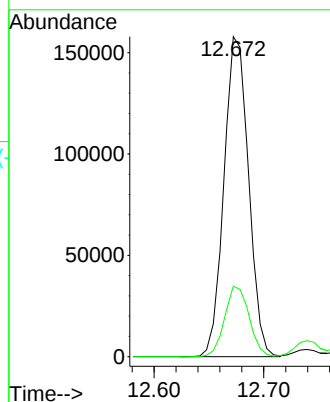
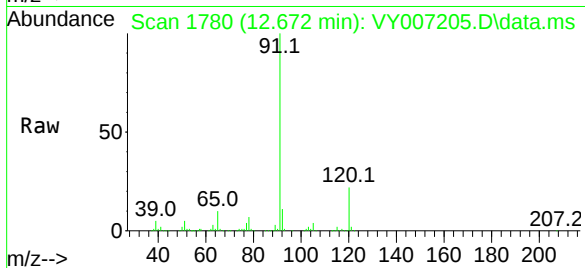
A3-9-7.0

Tgt Ion: 91 Resp: 245982

Ion Ratio Lower Upper

91 100

120 21.9 11.2 33.5



#80

1,3,5-Trimethylbenzene

Concen: 1.474 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY007205.D

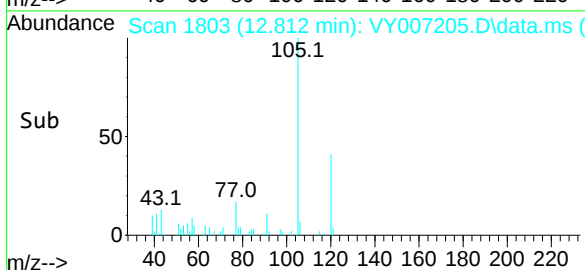
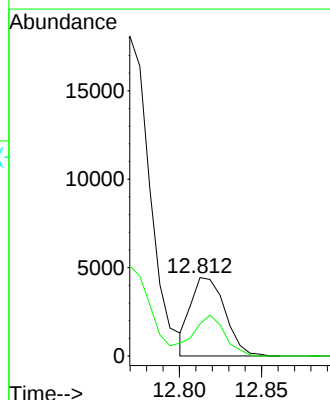
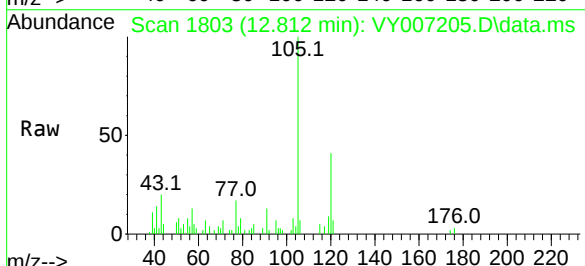
Acq: 18 Jan 2022 12:48

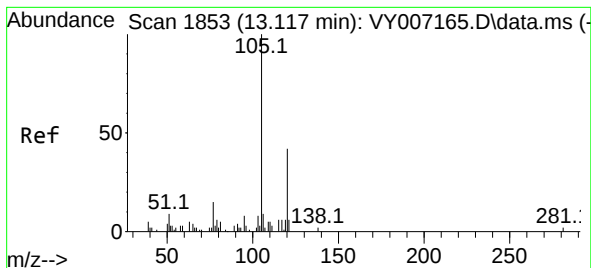
Tgt Ion:105 Resp: 6417

Ion Ratio Lower Upper

105 100

120 49.6 23.7 71.1





#84

1,2,4-Trimethylbenzene

Concen: 18.790 ug/l

RT: 13.123 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY007205.D

Acq: 18 Jan 2022 12:48

Instrument :

MSVOA_Y

ClientSampleId :

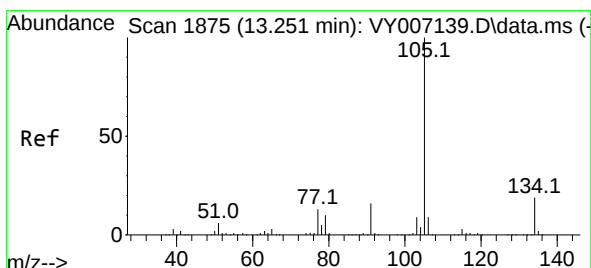
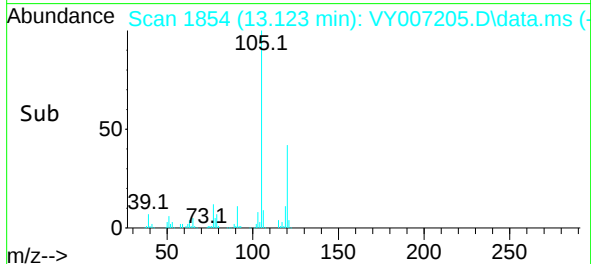
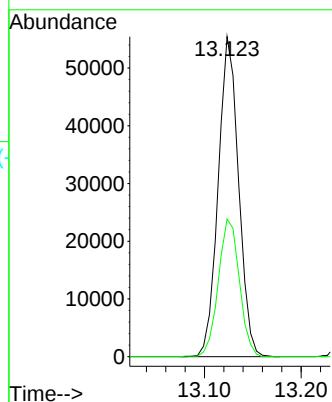
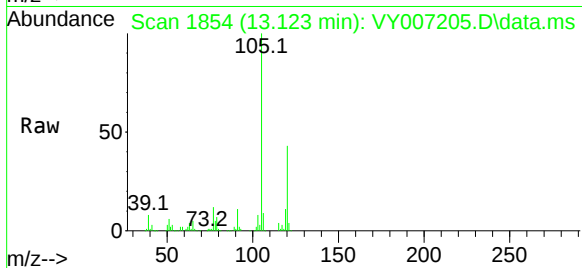
A3-9-7.0

Tgt Ion:105 Resp: 81090

Ion Ratio Lower Upper

105 100

120 44.4 21.6 64.6



#85

sec-Butylbenzene

Concen: 6.565 ug/l

RT: 13.258 min Scan# 1876

Delta R.T. 0.007 min

Lab File: VY007205.D

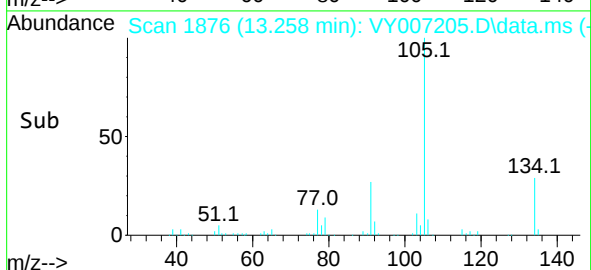
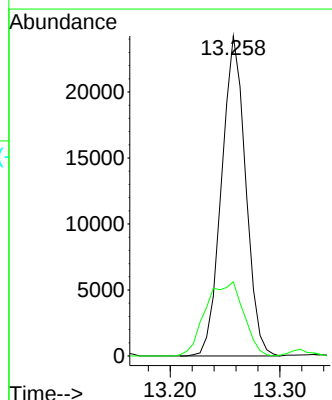
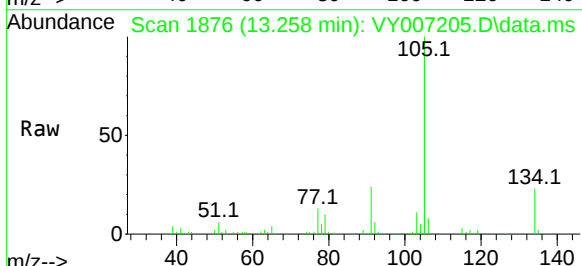
Acq: 18 Jan 2022 12:48

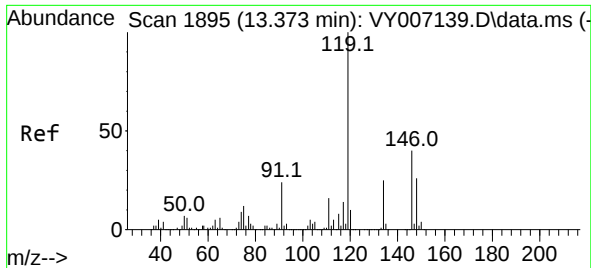
Tgt Ion:105 Resp: 36947

Ion Ratio Lower Upper

105 100

134 36.6 9.9 29.7#

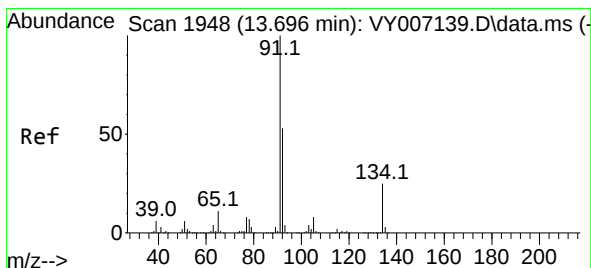
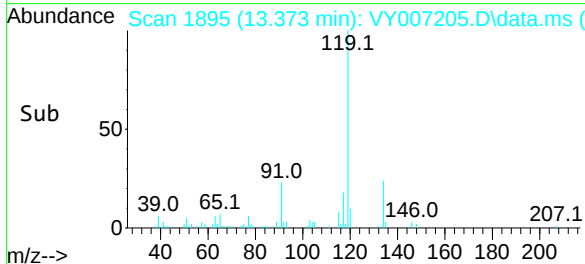
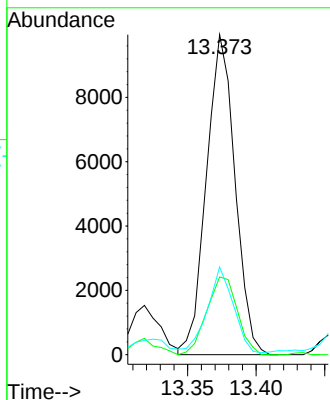
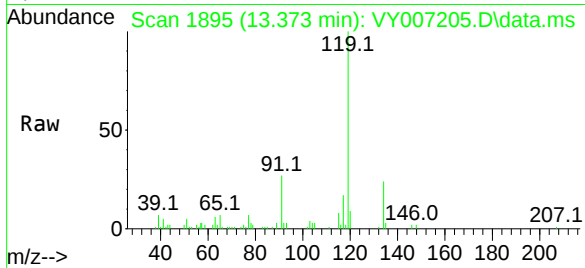




#86
p-Isopropyltoluene
Concen: 3.122 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY007205.D
Acq: 18 Jan 2022 12:48

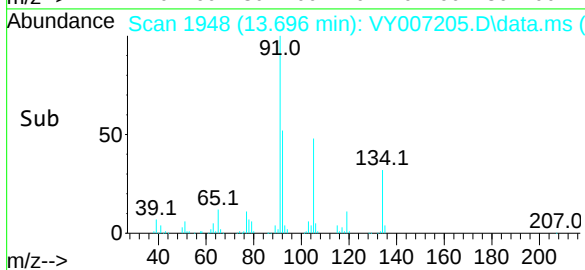
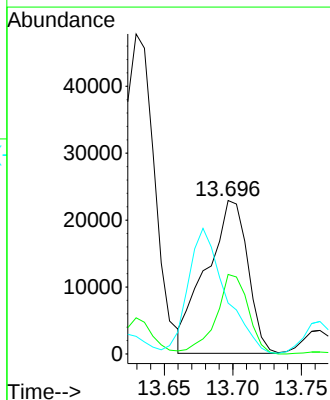
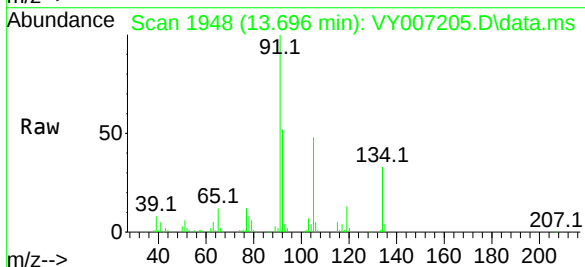
Instrument :
MSVOA_Y
ClientSampleId :
A3-9-7.0

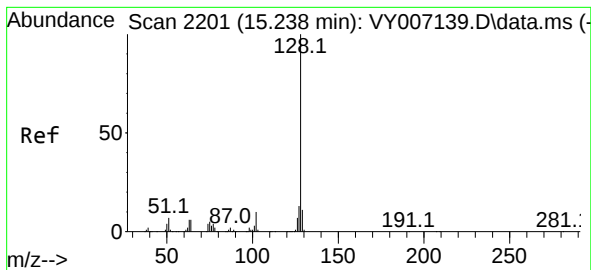
Tgt Ion:119 Resp: 14438
Ion Ratio Lower Upper
119 100
134 26.0 12.9 38.7
91 24.0 12.4 37.2



#89
n-Butylbenzene
Concen: 10.545 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY007205.D
Acq: 18 Jan 2022 12:48

Tgt Ion: 91 Resp: 48024
Ion Ratio Lower Upper
91 100
92 40.3 26.9 80.6
134 74.3 12.6 37.6#





#95

Naphthalene

Concen: 63.617 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY007205.D

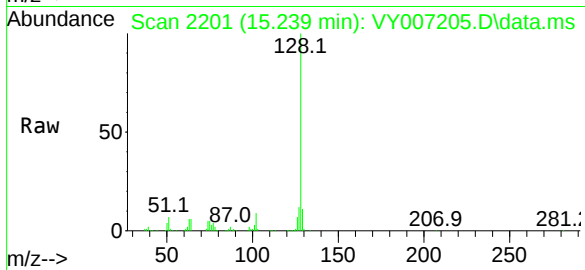
Acq: 18 Jan 2022 12:48

Instrument :

MSVOA_Y

ClientSampleId :

A3-9-7.0



Tgt Ion:128 Resp: 165107

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.9 8.9 13.3

