

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
 Data File : VY007188.D
 Acq On : 17 Jan 2022 15:38
 Operator : SY/MD
 Sample : N1145-04
 Misc : 6.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A3-4-7.0

Quant Time: Jan 18 03:09:35 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

Manual Integrations APPROVED

Reviewed By : John Carlone 01/18/2022
 Supervised By : Mahesh Dadoda 01/18/2022

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	118288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	219151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	205446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	81984	56.486	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.980%			
35) Dibromofluoromethane	7.722	113	73436	49.556	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.120%			
50) Toluene-d8	10.179	98	268826	49.648	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.300%			
62) 4-Bromofluorobenzene	12.483	95	102924	53.437	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.880%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	71689	585.738	ug/l	100
16) Acetone	3.948	43	39105	103.816	ug/l #	70
22) Diisopropyl ether	6.118	45	9636	2.216	ug/l #	92
25) 2-Butanone	6.990	43	6920	14.209	ug/l #	79
31) Cyclohexane	7.783	56	53297	21.720	ug/l	94
39) Methylcyclohexane	9.185	83	54835	18.976	ug/l	93
40) Benzene	8.161	78	77246	12.236	ug/l	96
42) 1,2-Dichloroethane	8.234	62	3045	1.532	ug/l #	74
67) Ethyl Benzene	11.593	91	115164	13.640	ug/l	98
68) m/p-Xylenes	11.709	106	18922	6.031	ug/l	99
69) o-Xylene	12.032	106	5751	1.946	ug/l	95
73) Isopropylbenzene	12.331	105	45815	5.755	ug/l	100
78) n-propylbenzene	12.672	91	121854	12.347	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	42215	6.458	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	221544	34.191	ug/l	99
85) sec-Butylbenzene	13.257	105	36788	4.353	ug/l #	55
89) n-Butylbenzene	13.696	91	37780m	5.525	ug/l	
95) Naphthalene	15.239	128	112267	28.810	ug/l	99

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

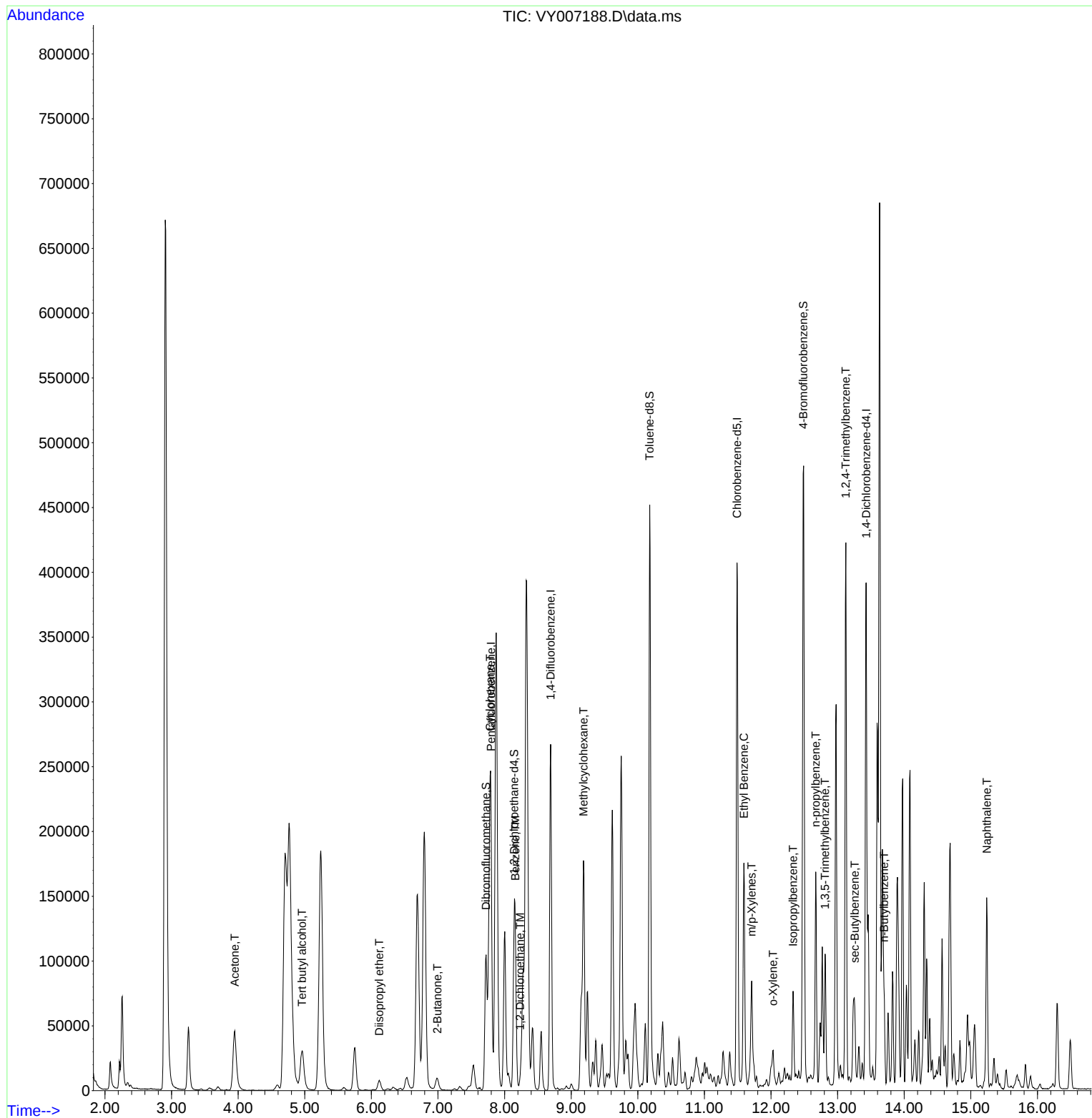
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
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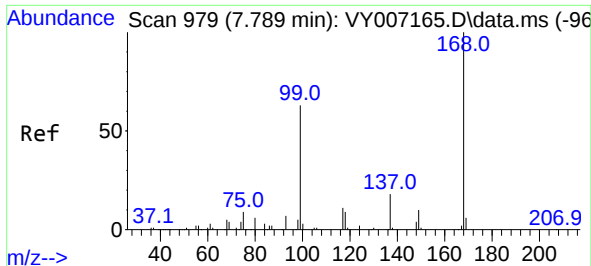
Instrument :
MSVOA_Y
ClientSampleId :
A3-4-7.0

Quant Time: Jan 18 03:09:35 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
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QLast Update : Fri Jan 14 05:48:29 2022
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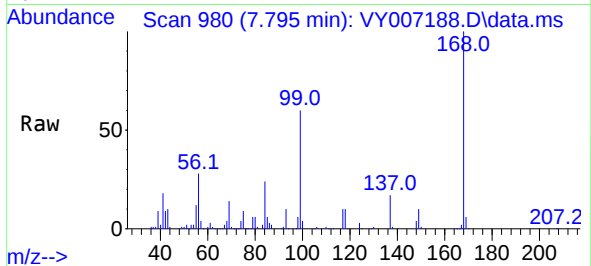
Reviewed By : John Carlone 01/18/2022
Supervised By : Mahesh Dadoda 01/18/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

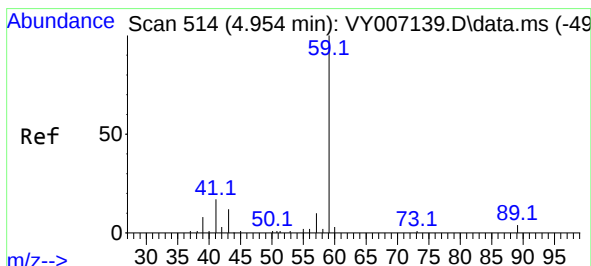
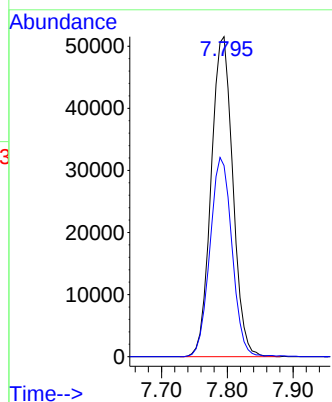
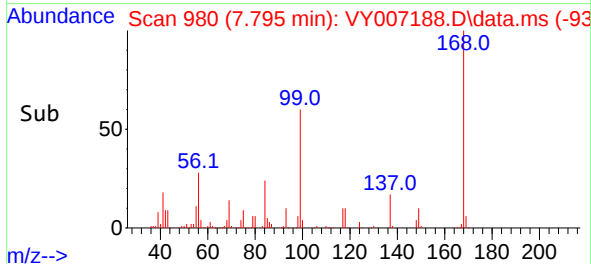
Instrument :
MSVOA_Y
ClientSampleId :
A3-4-7.0



Tgt Ion:168 Resp: 11828
Ion Ratio Lower Upper
168 100
99 59.7 49.1 73.7

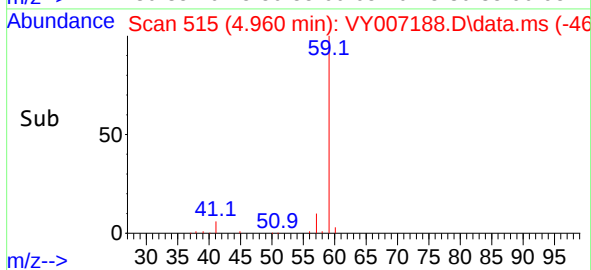
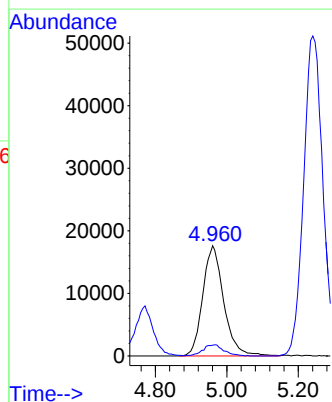
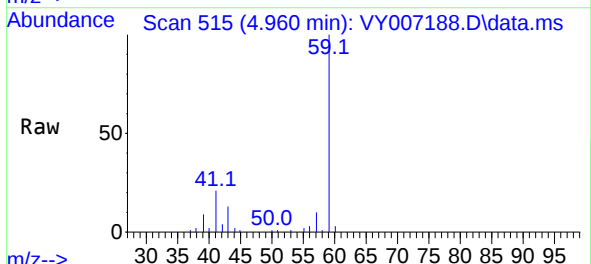
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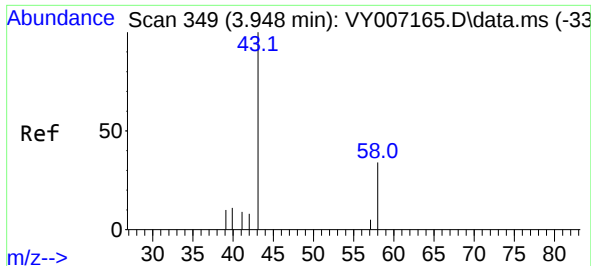
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022



#11
Tert butyl alcohol
Concen: 585.738 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

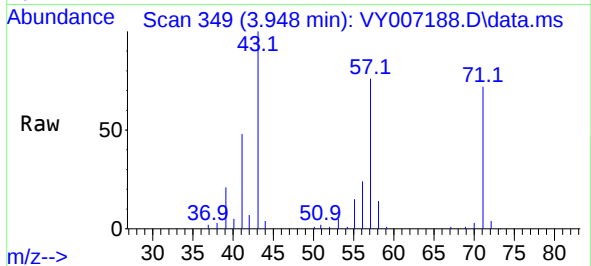
Tgt Ion: 59 Resp: 71689
Ion Ratio Lower Upper
59 100
57 10.2 8.1 12.1





#16
Acetone
Concen: 103.816 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

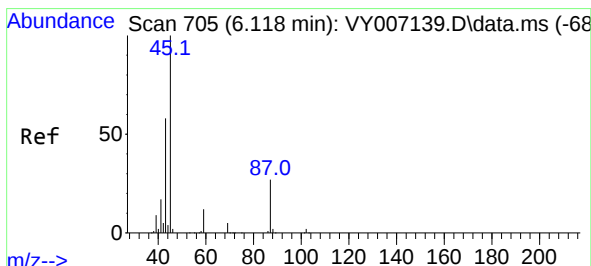
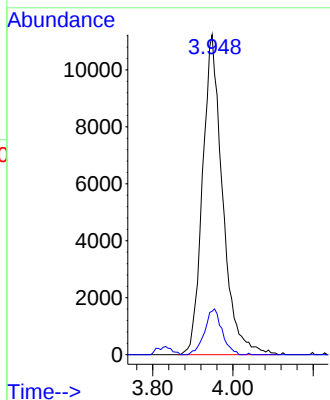
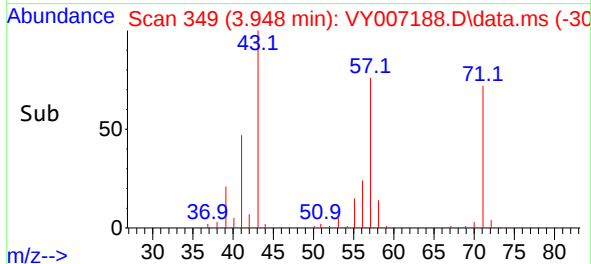
Instrument :
MSVOA_Y
ClientSampleId :
A3-4-7.0



Tgt Ion: 43 Resp: 3910
Ion Ratio Lower Upper
43 100
58 13.6 23.8 35.6

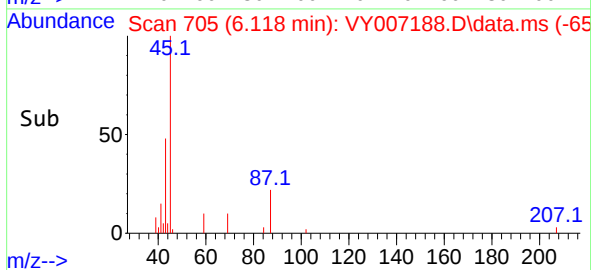
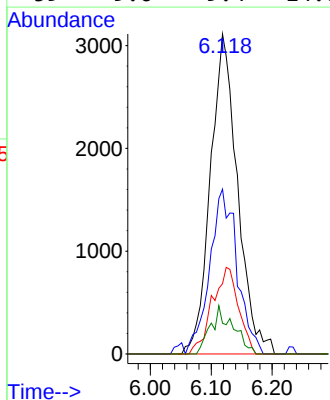
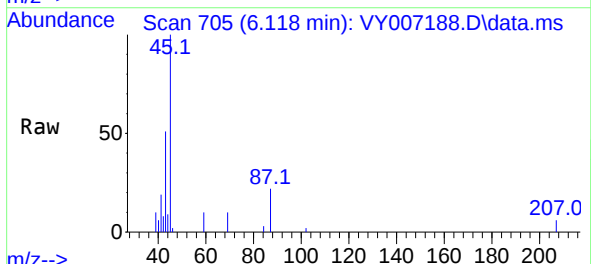
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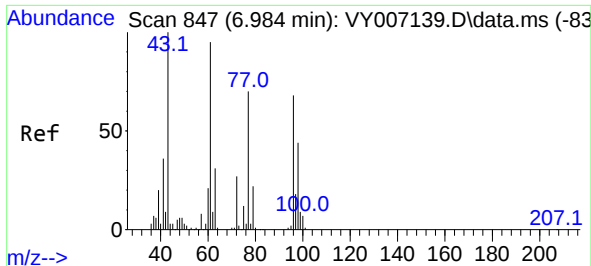
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022



#22
Diisopropyl ether
Concen: 2.216 ug/l
RT: 6.118 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

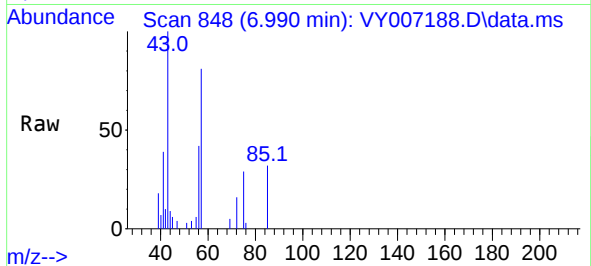
Tgt Ion: 45 Resp: 9636
Ion Ratio Lower Upper
45 100
43 51.5 45.6 68.4
87 22.0 22.2 33.2#
59 9.6 9.4 14.0





#25
2-Butanone
Concen: 14.209 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

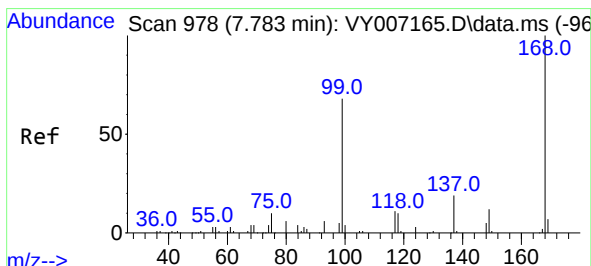
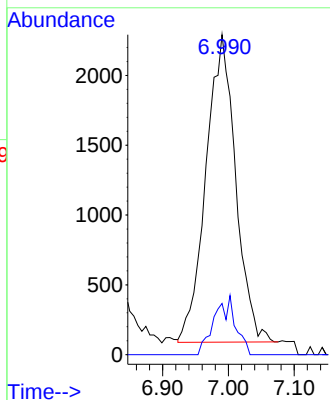
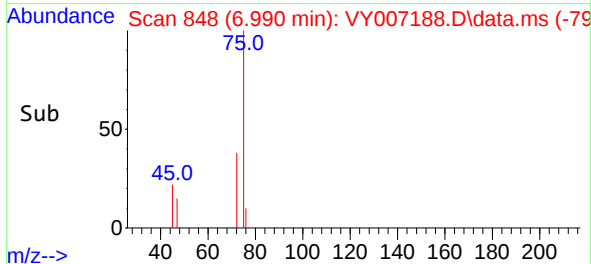
Instrument :
MSVOA_Y
ClientSampleId :
A3-4-7.0



Tgt Ion: 43 Resp: 6920
Ion Ratio Lower Upper
43 100
72 16.7 21.9 32.9

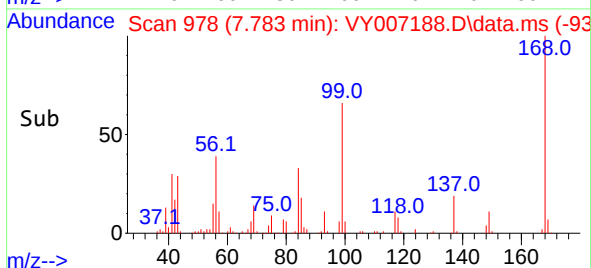
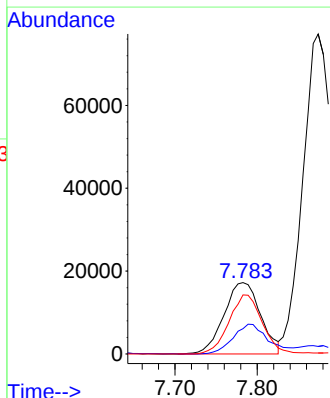
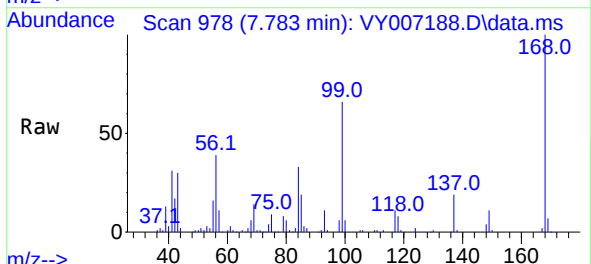
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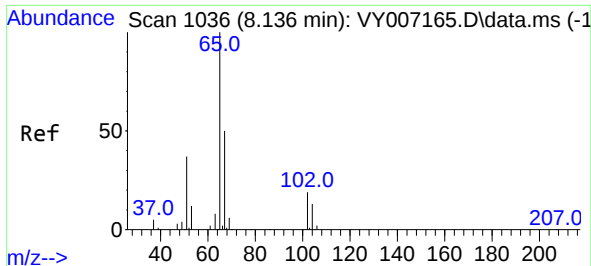
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022



#31
Cyclohexane
Concen: 21.720 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

Tgt Ion: 56 Resp: 53297
Ion Ratio Lower Upper
56 100
69 35.5 27.2 40.8
84 82.8 72.1 108.1





#33

1,2-Dichloroethane-d4

Concen: 56.486 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY007188.D

Acq: 17 Jan 2022 15:38

Instrument :

MSVOA_Y

ClientSampleId :

A3-4-7.0

Tgt Ion: 65 Resp: 81984

Ion Ratio Lower Upper

65 100

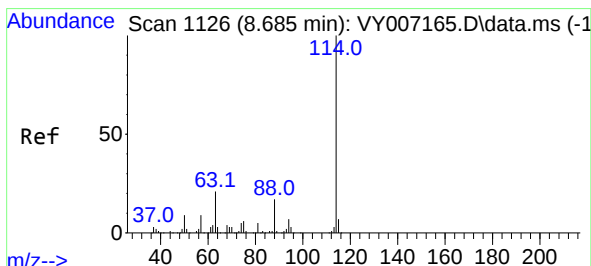
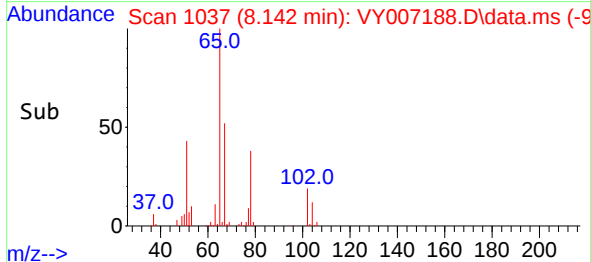
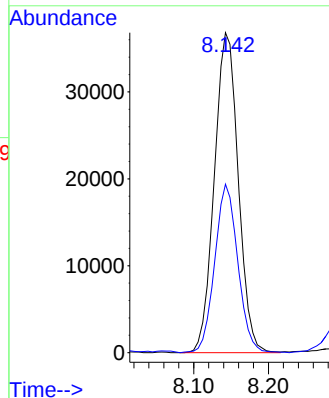
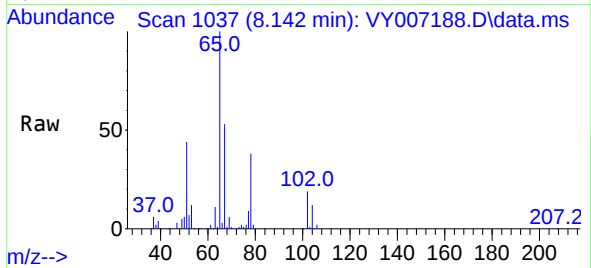
67 50.8 0.0 105.6

Manual Integrations

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Reviewed By :John Carlone 01/18/2022

Supervised By :Mahesh Dadoda 01/18/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007188.D

Acq: 17 Jan 2022 15:38

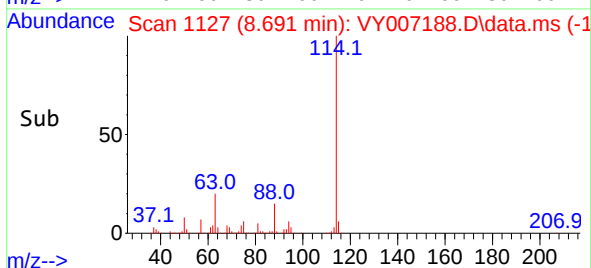
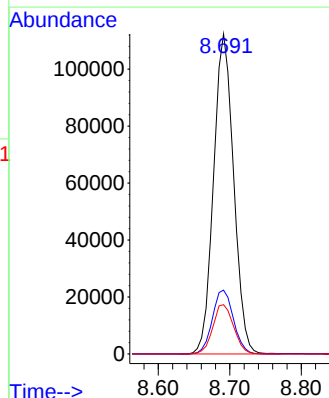
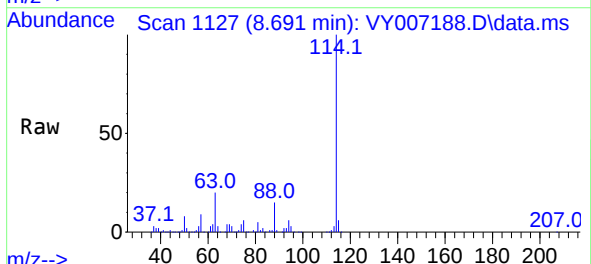
Tgt Ion:114 Resp: 219151

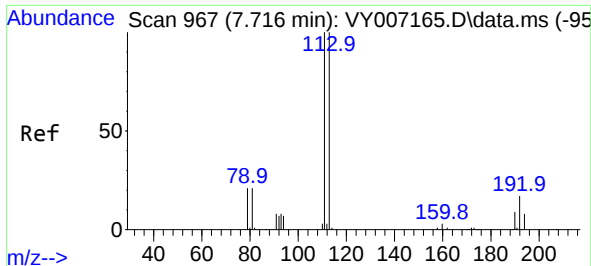
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

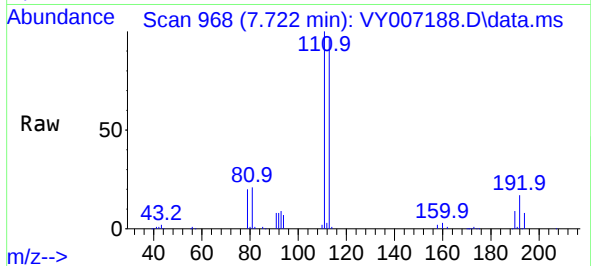
88 15.4 0.0 31.0





#35
Dibromofluoromethane
Concen: 49.556 ug/l
RT: 7.722 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

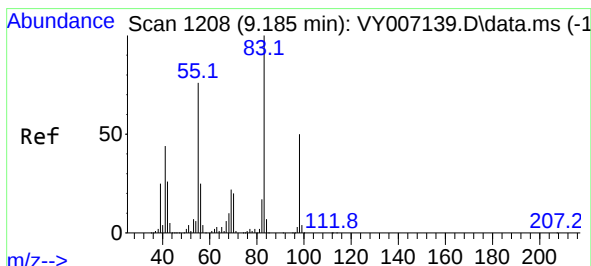
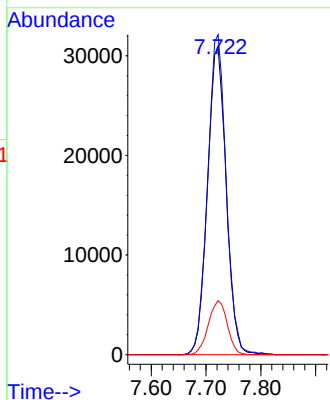
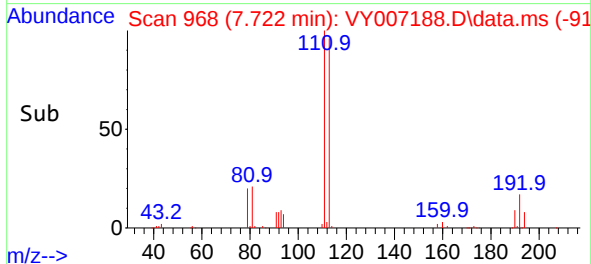
Instrument :
MSVOA_Y
ClientSampleId :
A3-4-7.0



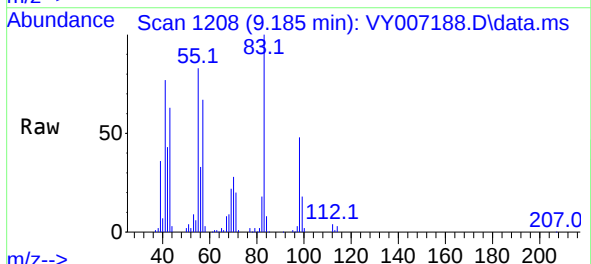
Tgt Ion: 113 Resp: 73436
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.4
192 17.7 14.2 21.4

Manual Integrations
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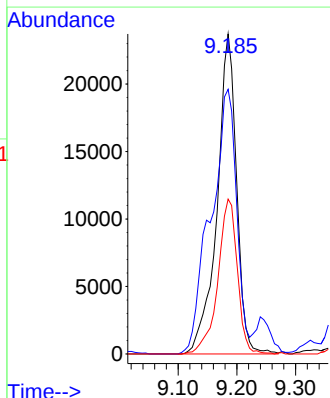
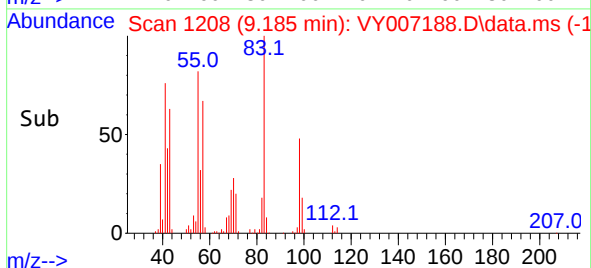
Reviewed By :John Carlone 01/18/2022
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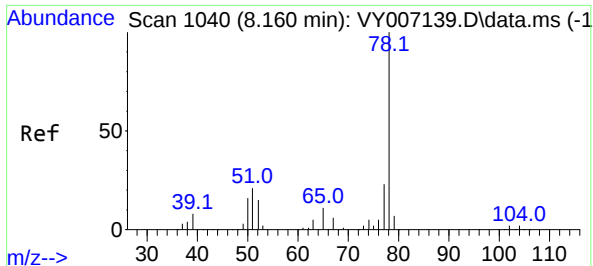


#39
Methylcyclohexane
Concen: 18.976 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.000 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38



Tgt Ion: 83 Resp: 54835
Ion Ratio Lower Upper
83 100
55 82.7 58.8 88.2
98 48.4 38.7 58.1





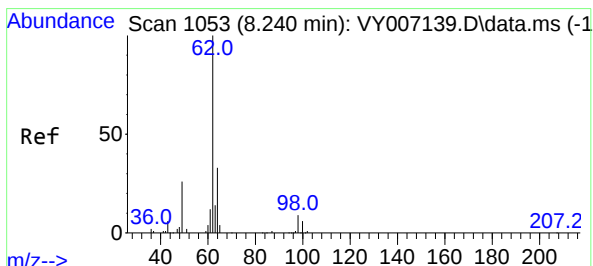
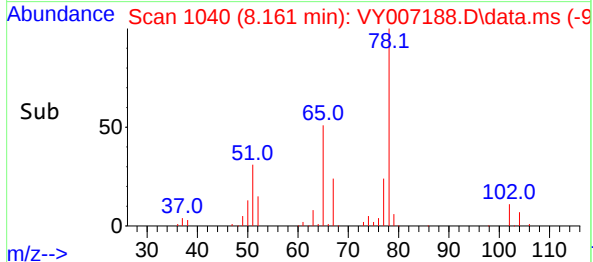
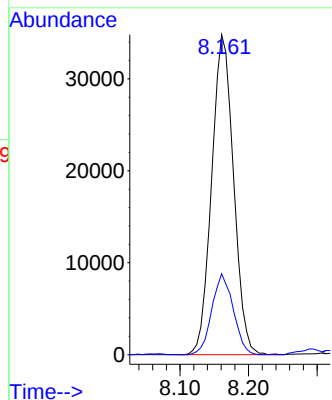
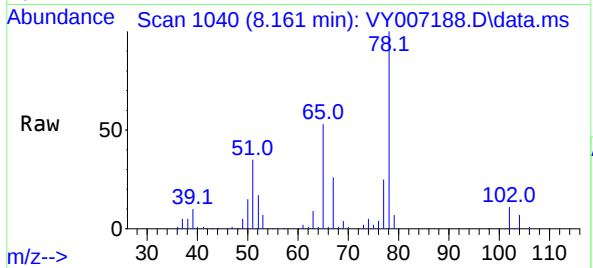
#40
Benzene
Concen: 12.236 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

Instrument :
MSVOA_Y
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A3-4-7.0

Tgt Ion: 78 Resp: 77240
Ion Ratio Lower Upper
78 100
77 25.3 18.6 27.8

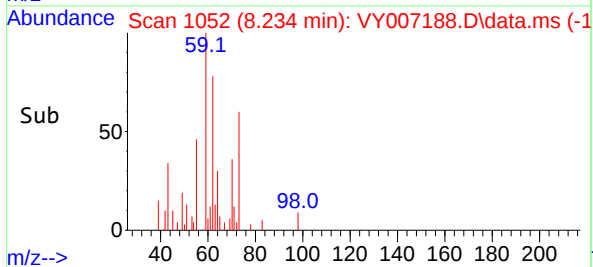
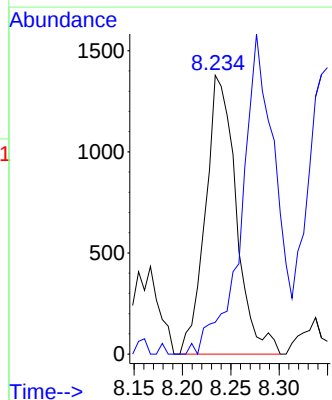
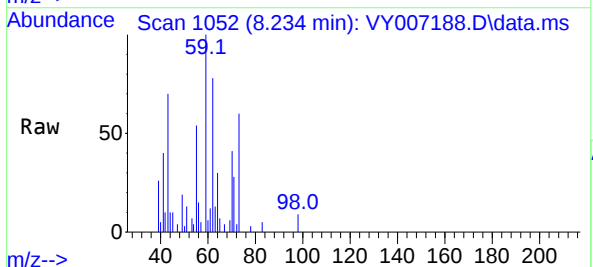
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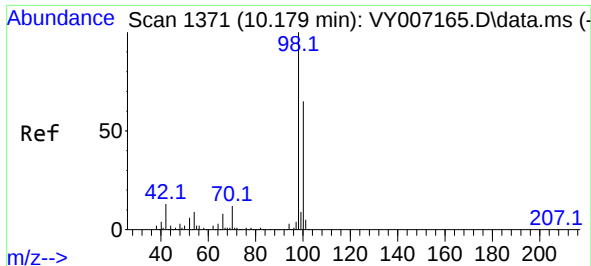
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022



#42
1,2-Dichloroethane
Concen: 1.532 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. -0.006 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

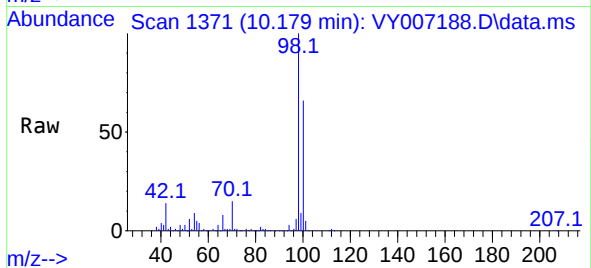
Tgt Ion: 62 Resp: 3045
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.2





#50
Toluene-d8
Concen: 49.648 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

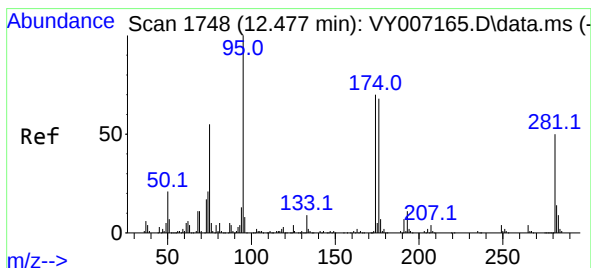
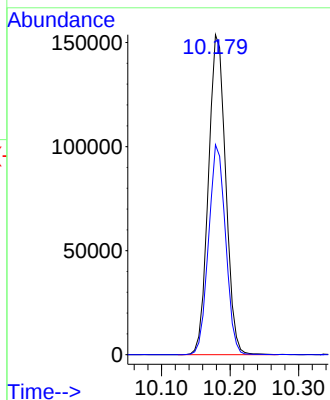
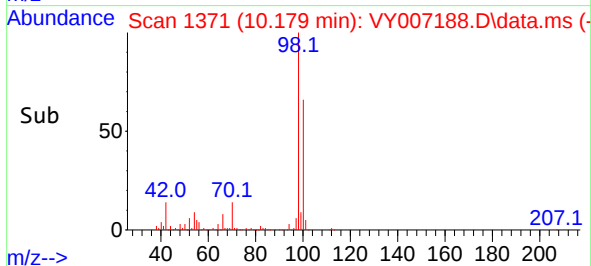
Instrument :
MSVOA_Y
ClientSampleId :
A3-4-7.0



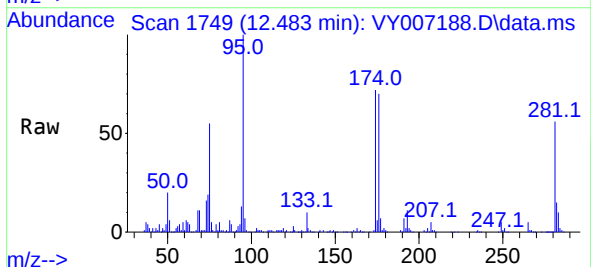
Tgt Ion: 98 Resp: 268820
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2

Manual Integrations
APPROVED

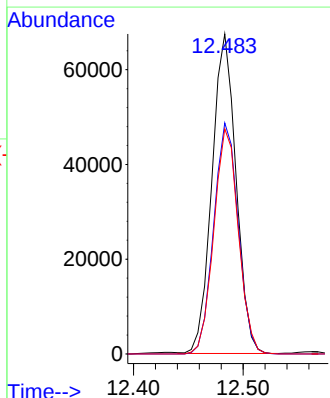
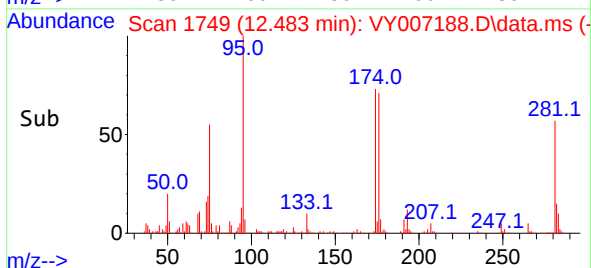
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022

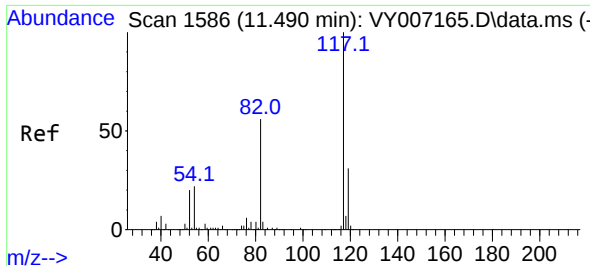


#62
4-Bromofluorobenzene
Concen: 53.437 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38



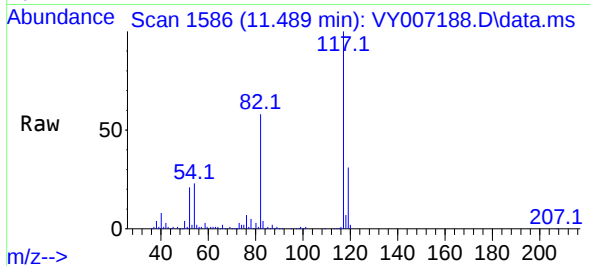
Tgt Ion: 95 Resp: 102924
Ion Ratio Lower Upper
95 100
174 73.6 0.0 148.4
176 71.7 0.0 146.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

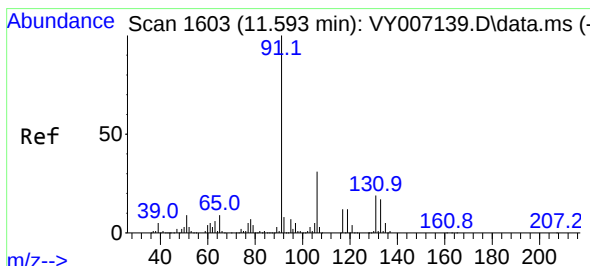
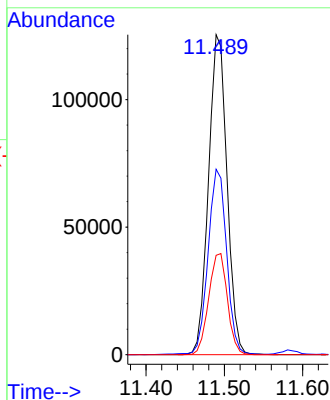
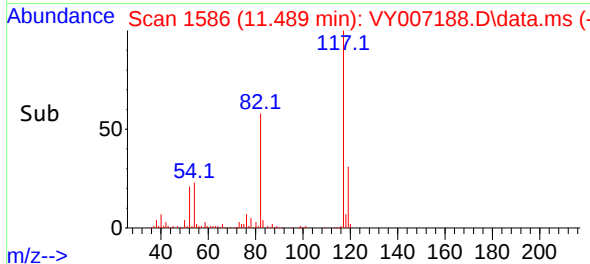
Instrument :
MSVOA_Y
ClientSampleId :
A3-4-7.0



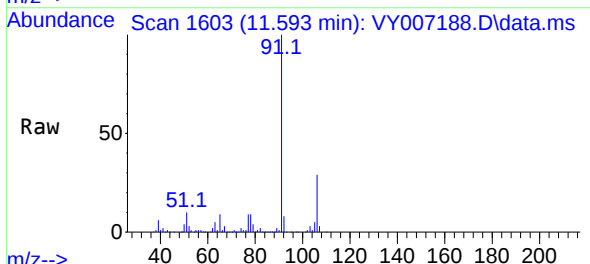
Tgt Ion:117 Resp: 205440
Ion Ratio Lower Upper
117 100
82 57.6 45.4 68.0
119 31.1 26.4 39.6

Manual Integrations
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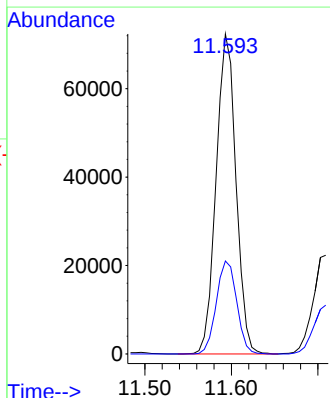
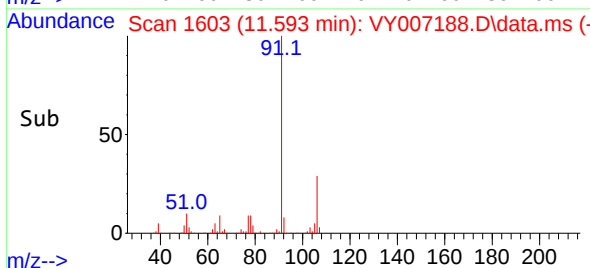
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022

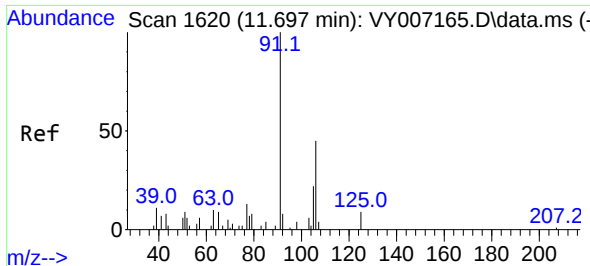


#67
Ethyl Benzene
Concen: 13.640 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38



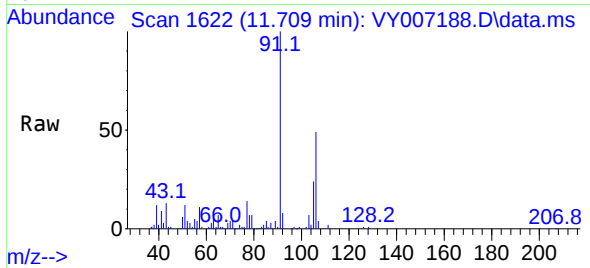
Tgt Ion: 91 Resp: 115164
Ion Ratio Lower Upper
91 100
106 29.1 23.9 35.9





#68
m/p-Xylenes
Concen: 6.031 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

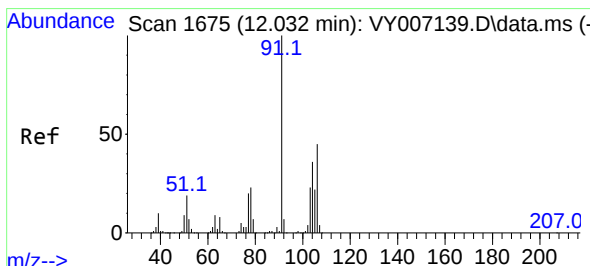
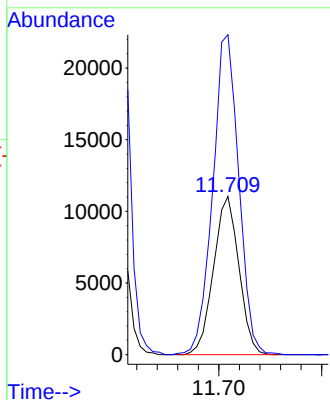
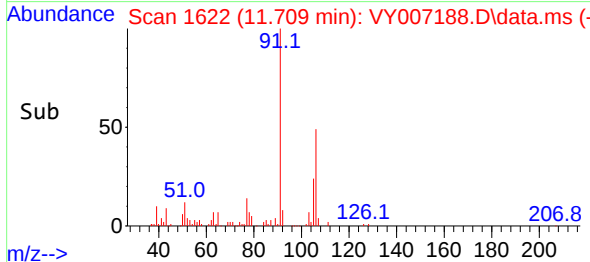
Instrument :
MSVOA_Y
ClientSampleId :
A3-4-7.0



Tgt Ion:106 Resp: 1892
Ion Ratio Lower Upper
106 100
91 207.3 167.1 250.7

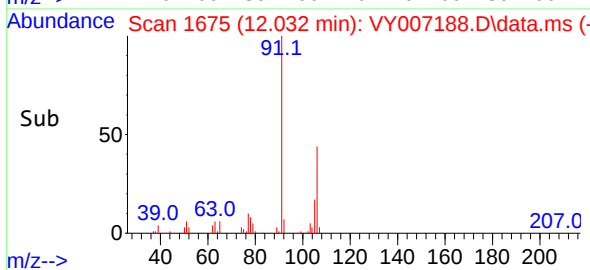
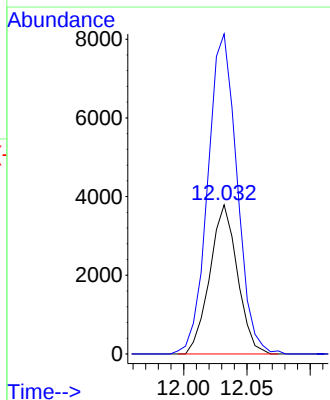
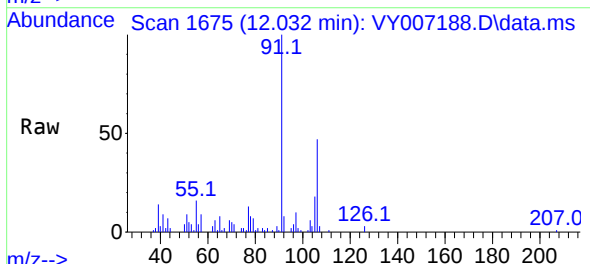
Manual Integrations
APPROVED

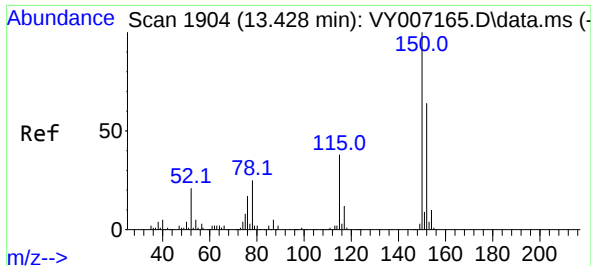
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022



#69
o-Xylene
Concen: 1.946 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

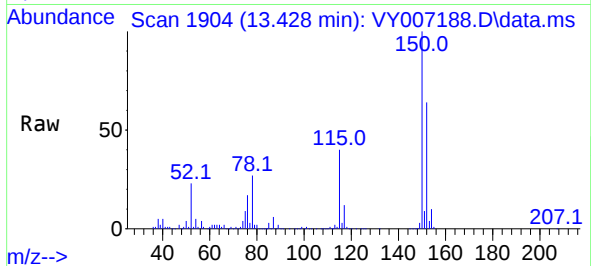
Tgt Ion:106 Resp: 5751
Ion Ratio Lower Upper
106 100
91 227.1 109.9 329.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

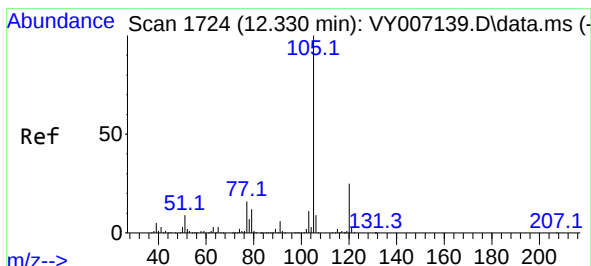
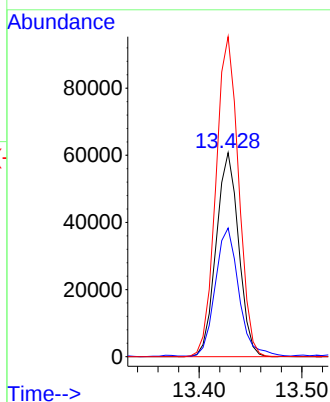
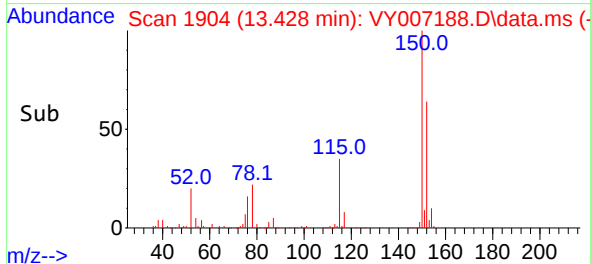
Instrument :
MSVOA_Y
ClientSampleId :
A3-4-7.0



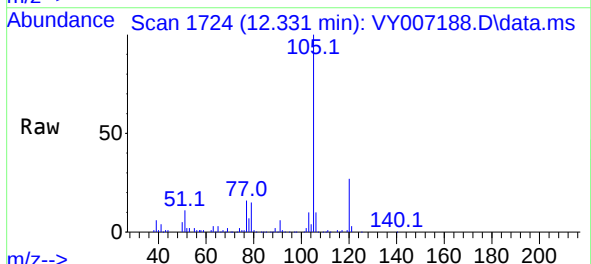
Tgt Ion:152 Resp: 92179
Ion Ratio Lower Upper
152 100
115 65.7 31.4 94.0
150 158.4 0.0 348.4

Manual Integrations
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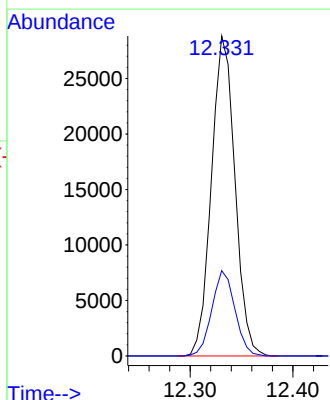
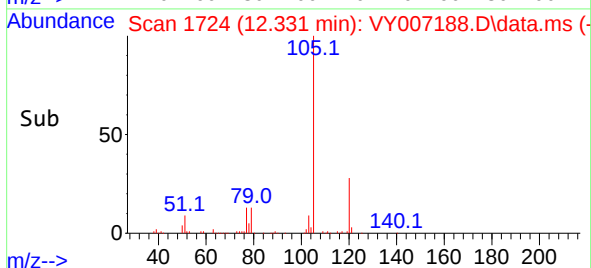
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022

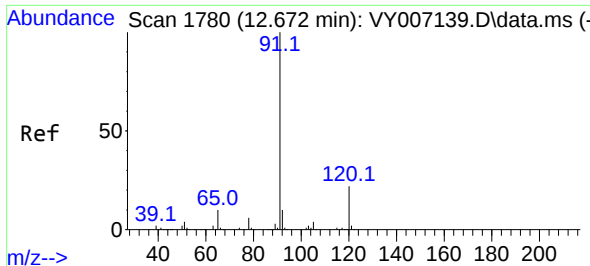


#73
Isopropylbenzene
Concen: 5.755 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38



Tgt Ion:105 Resp: 45815
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.1





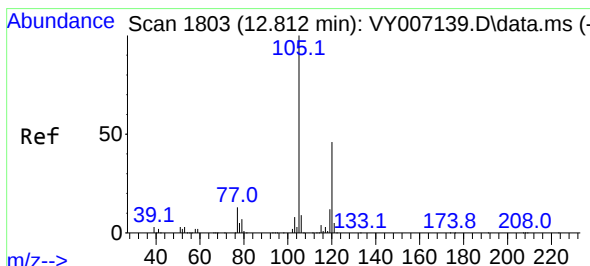
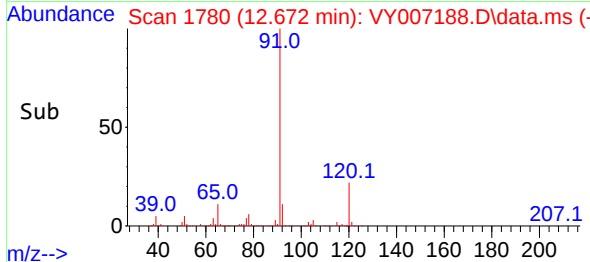
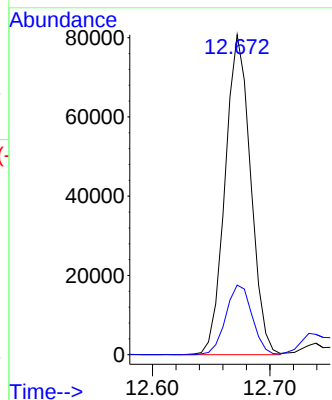
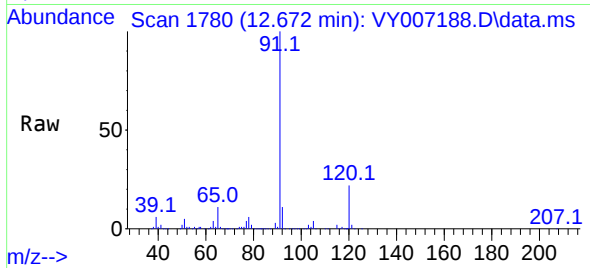
#78
n-propylbenzene
Concen: 12.347 ug/l
RT: 12.672 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

Instrument :
MSVOA_Y
ClientSampleId :
A3-4-7.0

Tgt Ion: 91 Resp: 121854
Ion Ratio Lower Upper
91 100
120 22.4 11.2 33.5

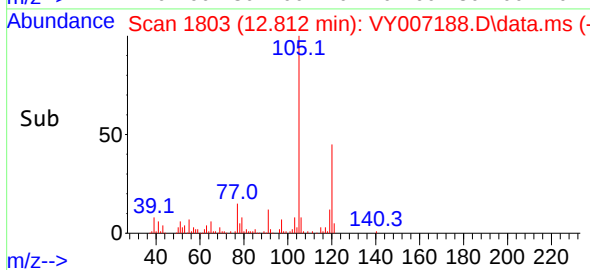
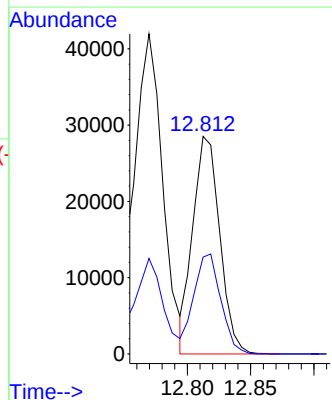
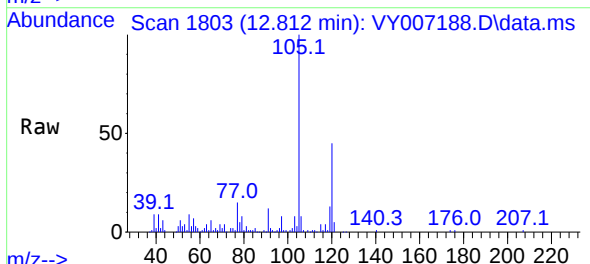
Manual Integrations
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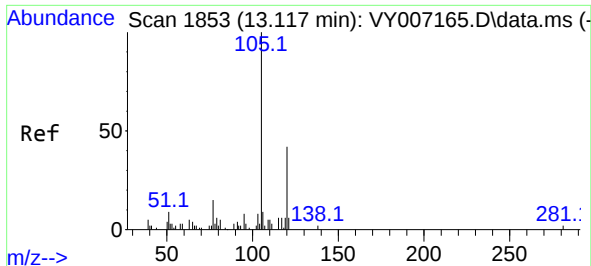
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022



#80
1,3,5-Trimethylbenzene
Concen: 6.458 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

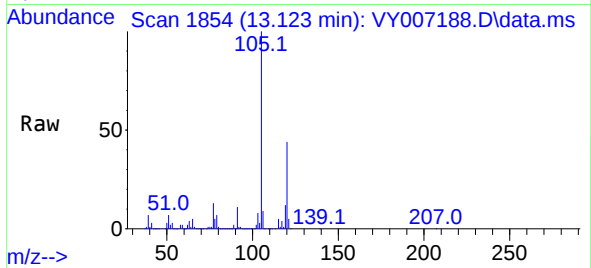
Tgt Ion:105 Resp: 42215
Ion Ratio Lower Upper
105 100
120 46.2 23.7 71.1





#84
1,2,4-Trimethylbenzene
Concen: 34.191 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

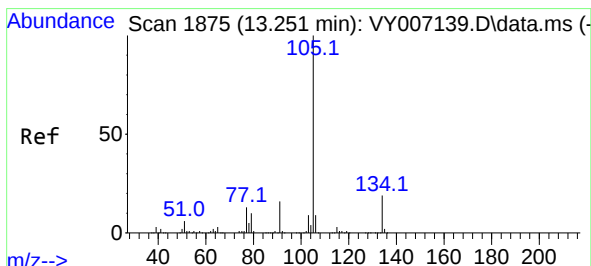
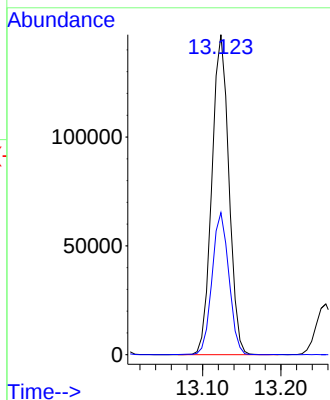
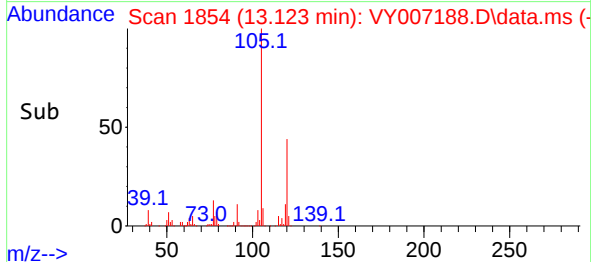
Instrument :
MSVOA_Y
ClientSampleId :
A3-4-7.0



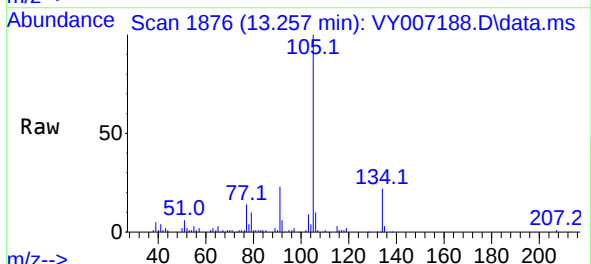
Tgt Ion:105 Resp: 221544
Ion Ratio Lower Upper
105 100
120 44.0 21.6 64.6

Manual Integrations
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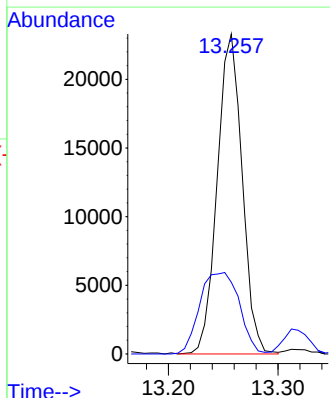
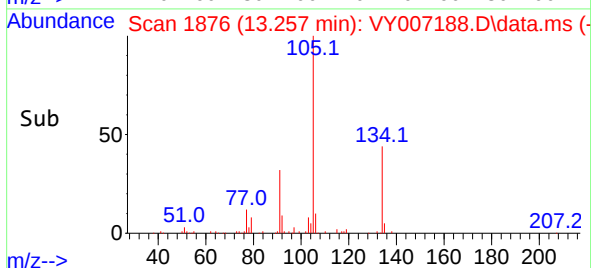
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022

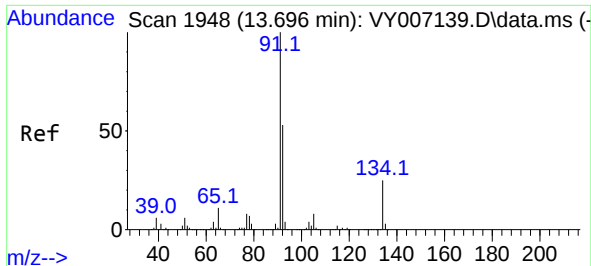


#85
sec-Butylbenzene
Concen: 4.353 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38



Tgt Ion:105 Resp: 36788
Ion Ratio Lower Upper
105 100
134 40.3 9.9 29.7#





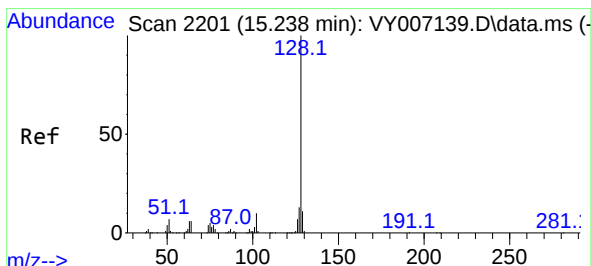
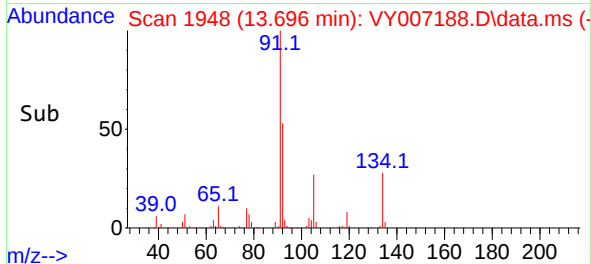
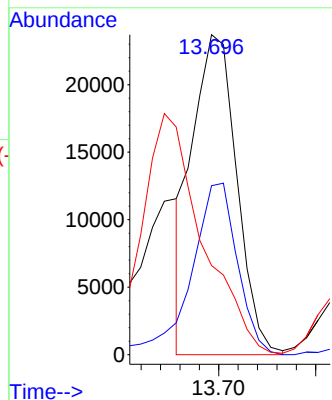
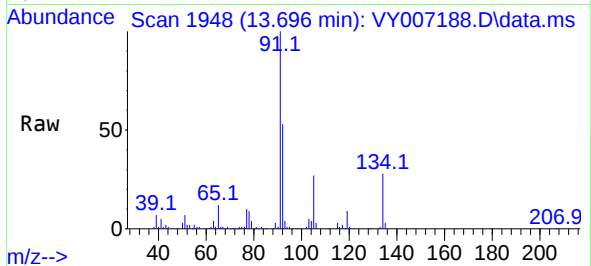
#89
n-Butylbenzene
Concen: 5.525 ug/l m
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

Instrument :
MSVOA_Y
ClientSampleId :
A3-4-7.0

Tgt Ion: 91 Resp: 37780
Ion Ratio Lower Upper
91 100
92 55.2 26.9 80.6
134 0.0 12.6 37.6

Manual Integrations
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Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022



#95
Naphthalene
Concen: 28.810 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY007188.D
Acq: 17 Jan 2022 15:38

Tgt Ion:128 Resp: 112267
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.6 8.9 13.3

