

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
 Data File : VY007186.D
 Acq On : 17 Jan 2022 14:48
 Operator : SY/MD
 Sample : N1145-07
 Misc : 6.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A3-7-6.5

Manual Integrations
 APPROVED

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

Quant Time: Jan 18 03:09:10 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	120165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	224951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	211729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	81758	55.450	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.900%			
35) Dibromofluoromethane	7.722	113	76702	50.426	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.860%			
50) Toluene-d8	10.185	98	275365	49.544	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.080%			
62) 4-Bromofluorobenzene	12.483	95	101672	51.426	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.860%			
Target Compounds					Qvalue	
16) Acetone	3.948	43	18335	47.915	ug/l #	85
22) Diisopropyl ether	6.118	45	18327	4.149	ug/l	93
31) Cyclohexane	7.783	56	42496	17.048	ug/l	91
39) Methylcyclohexane	9.185	83	23451	7.906	ug/l	94
52) Toluene	10.246	92	766291	186.554	ug/l	100
67) Ethyl Benzene	11.593	91	1834347	210.813	ug/l	99
68) m/p-Xylenes	11.703	106	1445781	447.117	ug/l	99
69) o-Xylene	12.032	106	698495	229.382	ug/l	100
73) Isopropylbenzene	12.331	105	67628	8.602	ug/l	99
78) n-propylbenzene	12.672	91	198392	20.357	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	207101	32.083	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	848753	132.651	ug/l	99
85) sec-Butylbenzene	13.257	105	8403m	1.007	ug/l	
89) n-Butylbenzene	13.696	91	9300	1.377	ug/l #	71
95) Naphthalene	15.239	128	252797	65.697	ug/l	100

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

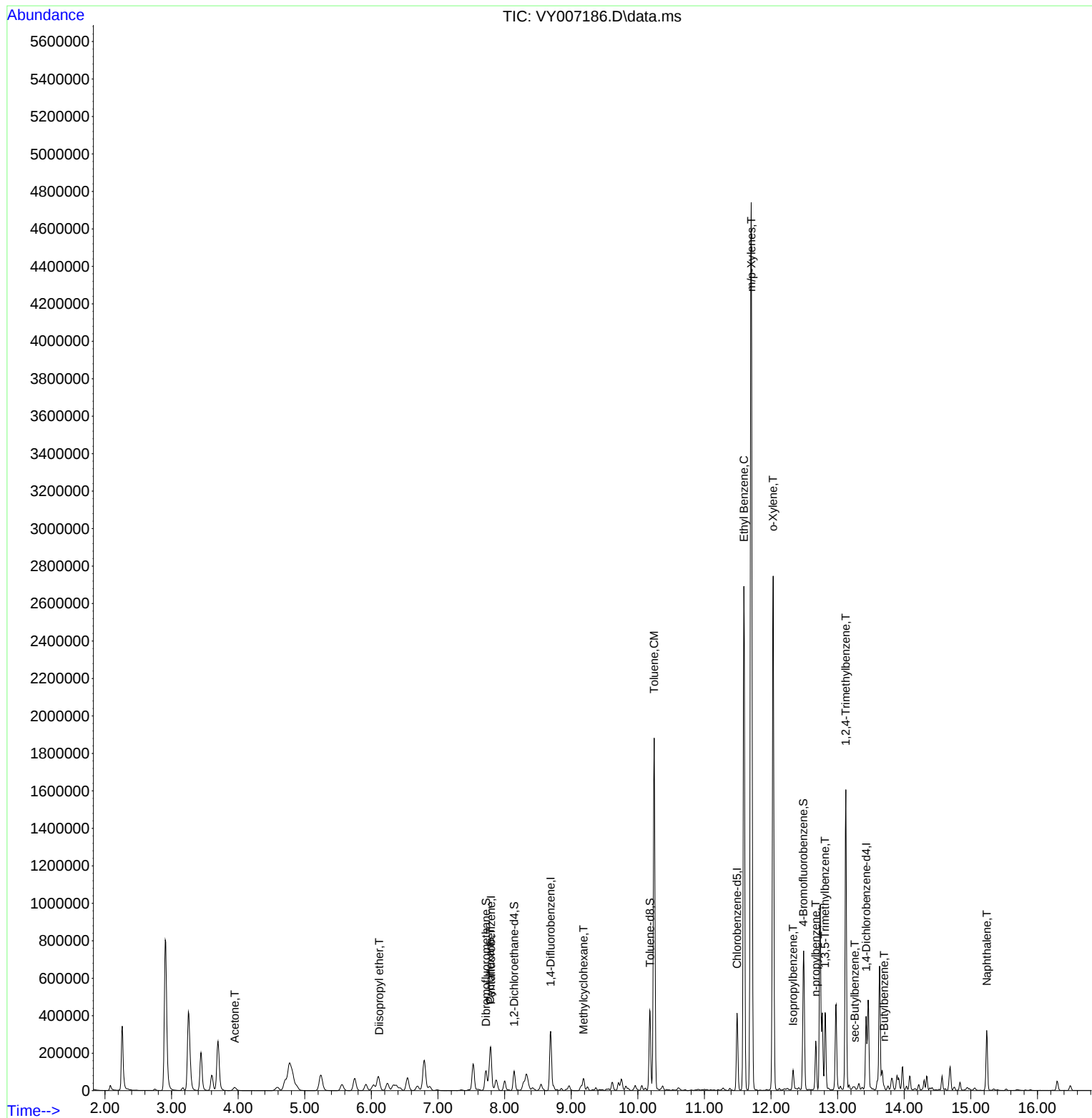
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
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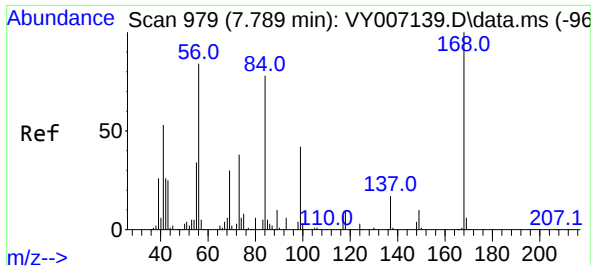
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ClientSampleId :
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Quant Time: Jan 18 03:09:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
Quant Title : SW846 8260
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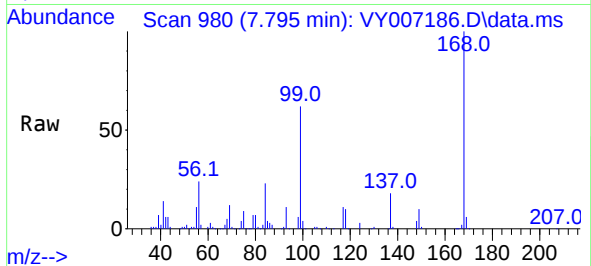
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48

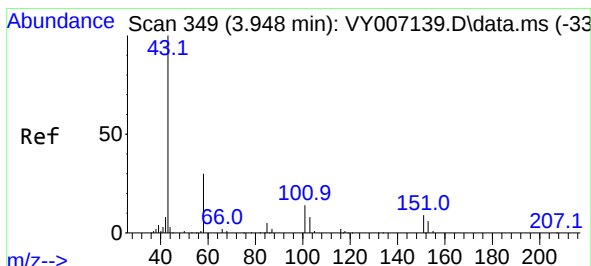
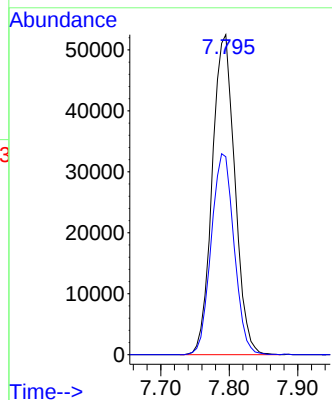
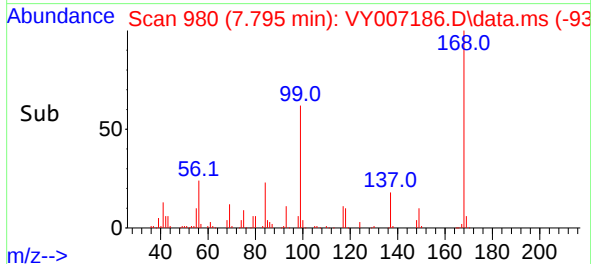
Instrument :
MSVOA_Y
ClientSampleId :
A3-7-6.5



Tgt Ion:168 Resp: 12016
Ion Ratio Lower Upper
168 100
99 61.8 49.1 73.7

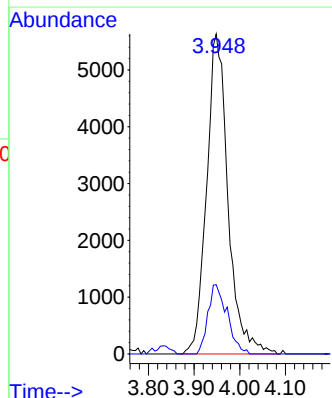
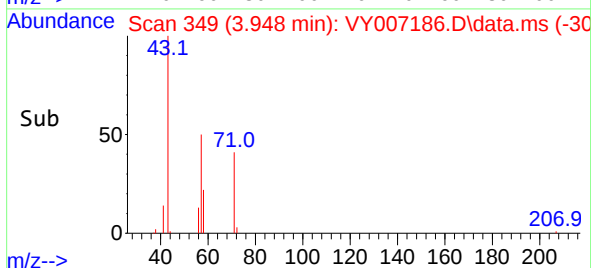
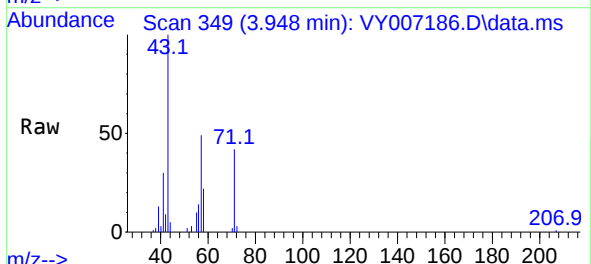
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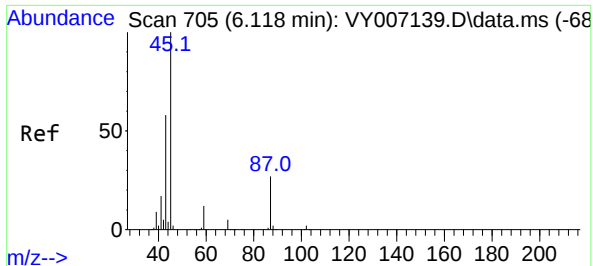
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022



#16
Acetone
Concen: 47.915 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48

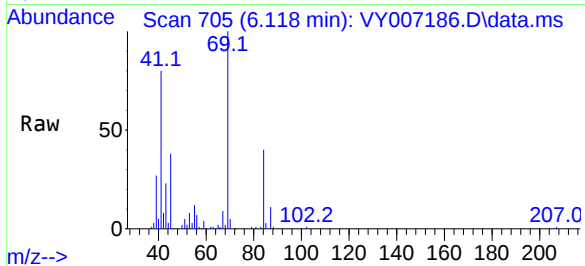
Tgt Ion: 43 Resp: 18335
Ion Ratio Lower Upper
43 100
58 21.7 23.8 35.6#





#22
Diisopropyl ether
Concen: 4.149 ug/l
RT: 6.118 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48

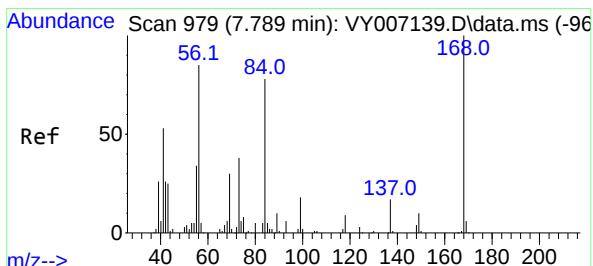
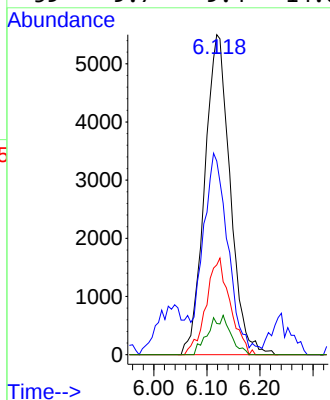
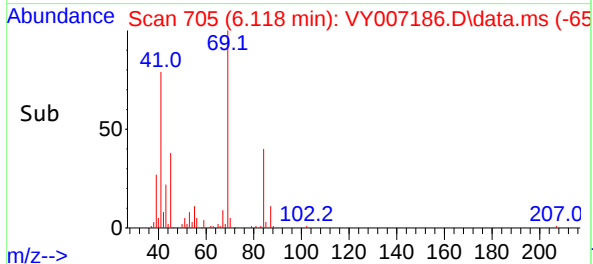
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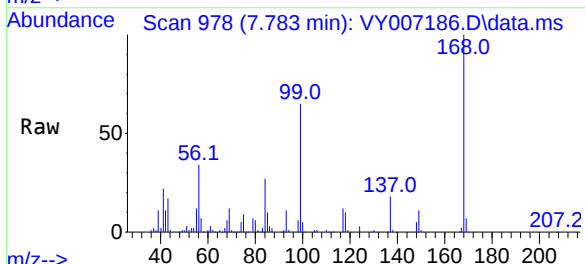
Tgt Ion:	45	Ratio	100	Lower	Upper
45	100				
43	48.9		45.6	68.4	
87	28.1		22.2	33.2	
59	9.7		9.4	14.0	

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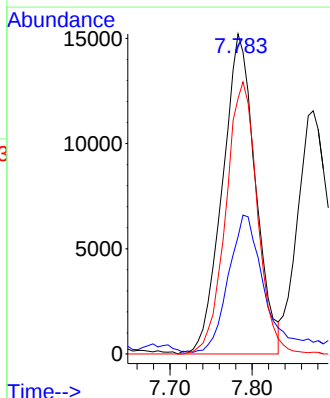
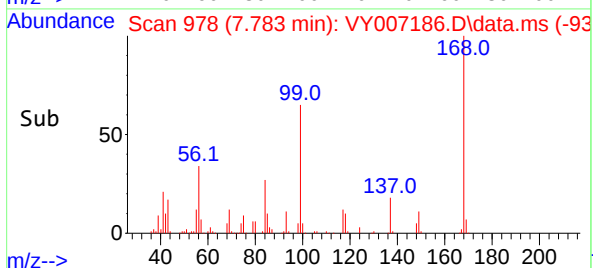
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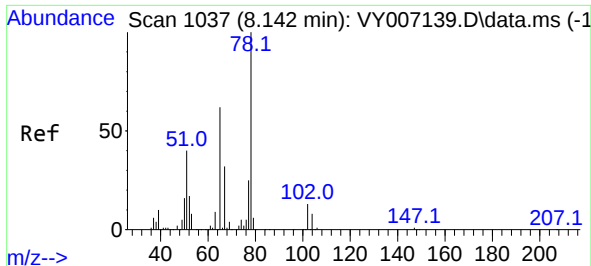


#31
Cyclohexane
Concen: 17.048 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48



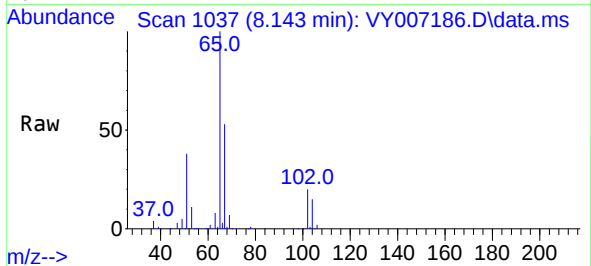
Tgt Ion:	56	Ratio	100	Lower	Upper
56	100				
69	35.3		27.2	40.8	
84	79.9		72.1	108.1	





#33
1,2-Dichloroethane-d4
Concen: 55.450 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48

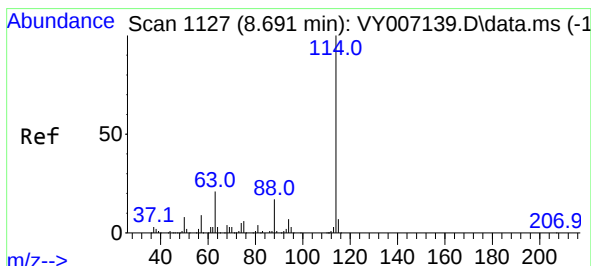
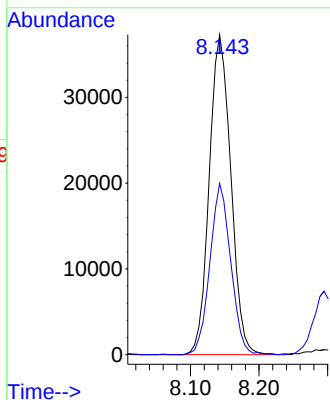
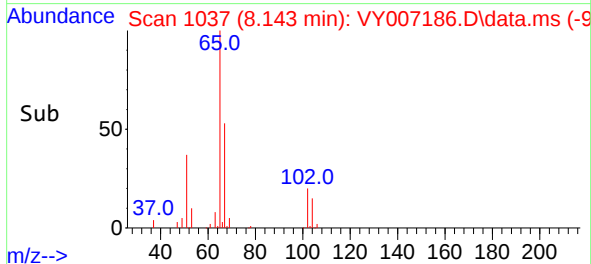
Instrument :
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ClientSampleId :
A3-7-6.5



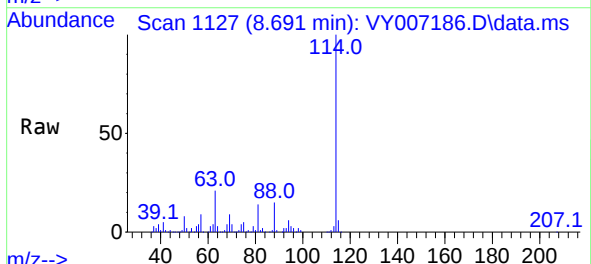
Tgt Ion: 65 Resp: 81758
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.6

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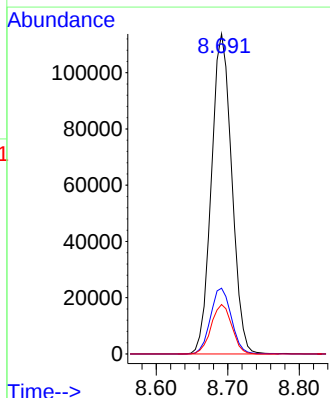
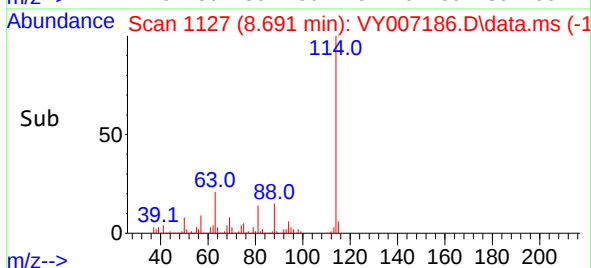
Reviewed By :John Carlone 01/18/2022
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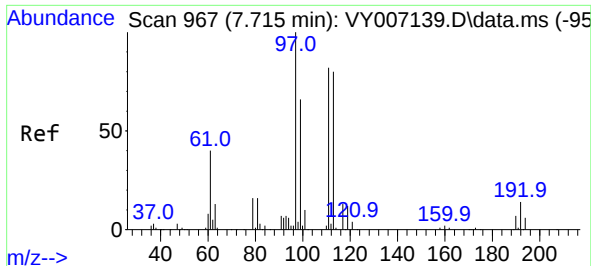


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48



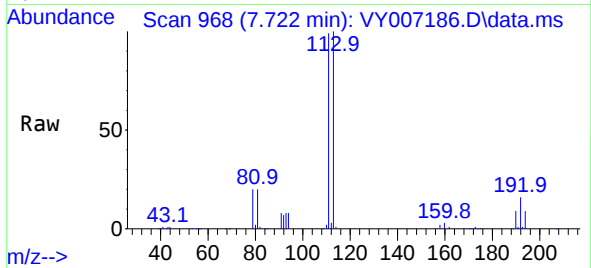
Tgt Ion:114 Resp: 224951
Ion Ratio Lower Upper
114 100
63 20.6 0.0 39.2
88 15.5 0.0 31.0





#35
Dibromofluoromethane
Concen: 50.426 ug/l
RT: 7.722 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48

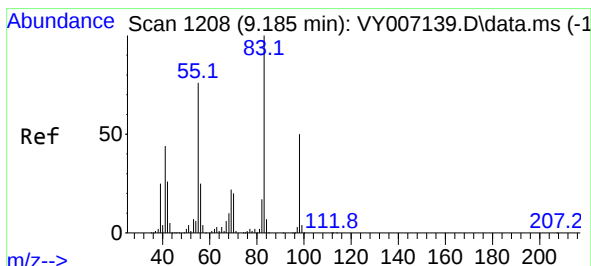
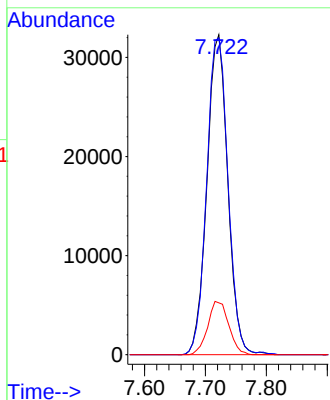
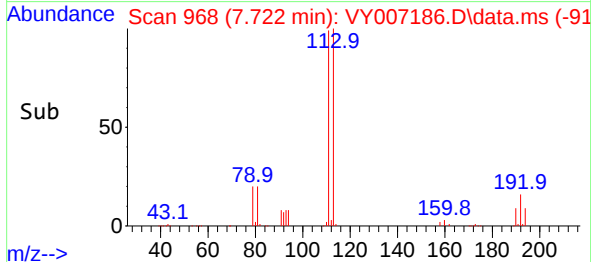
Instrument :
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ClientSampleId :
A3-7-6.5



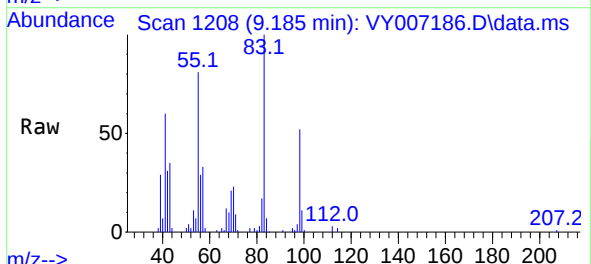
Tgt Ion: 113 Resp: 76702
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.4
192 16.8 14.2 21.4

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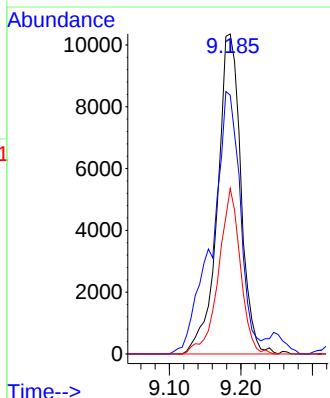
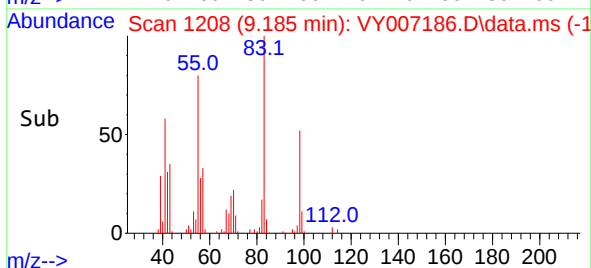
Reviewed By :John Carlone 01/18/2022
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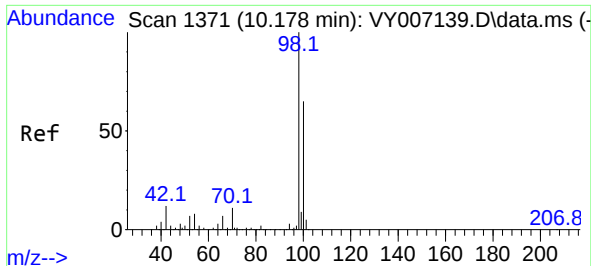


#39
Methylcyclohexane
Concen: 7.906 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48



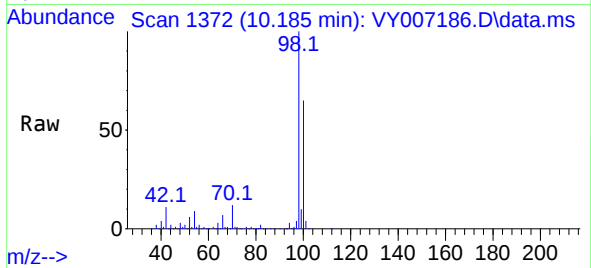
Tgt Ion: 83 Resp: 23451
Ion Ratio Lower Upper
83 100
55 79.3 58.8 88.2
98 51.7 38.7 58.1





#50
Toluene-d8
Concen: 49.544 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48

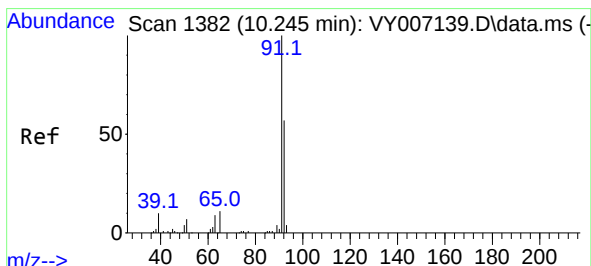
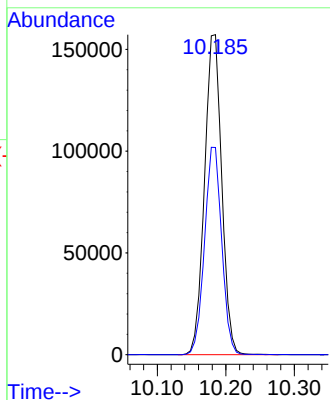
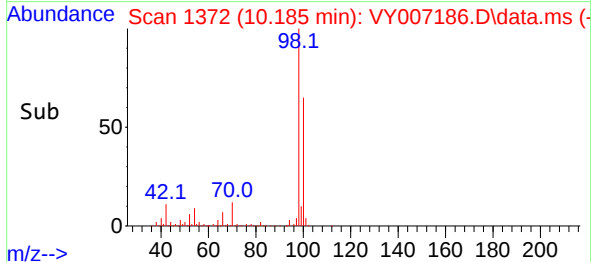
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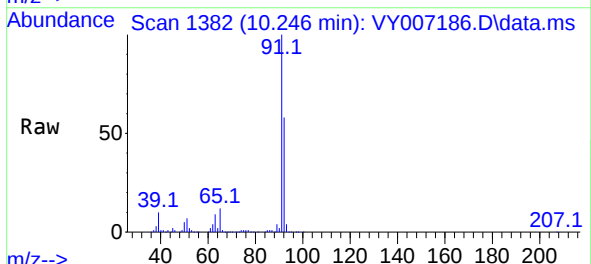
Tgt Ion: 98 Resp: 27536
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2

Manual Integrations
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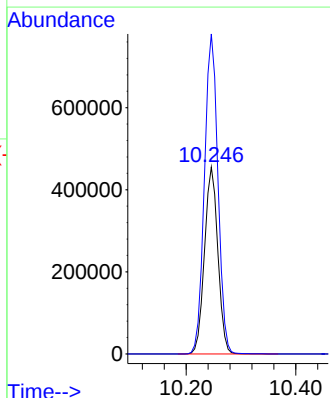
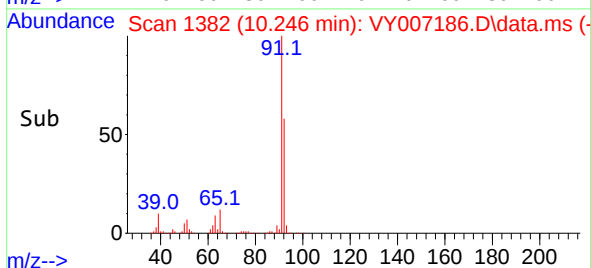
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Supervised By :Mahesh Dadoda 01/18/2022

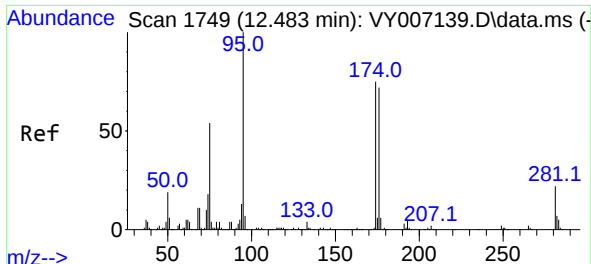


#52
Toluene
Concen: 186.554 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48



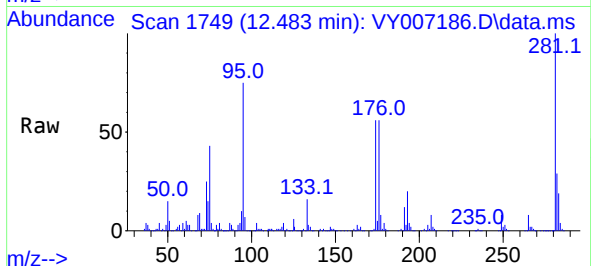
Tgt Ion: 92 Resp: 766291
Ion Ratio Lower Upper
92 100
91 173.0 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 51.426 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48

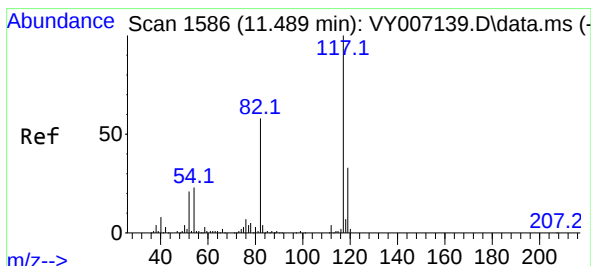
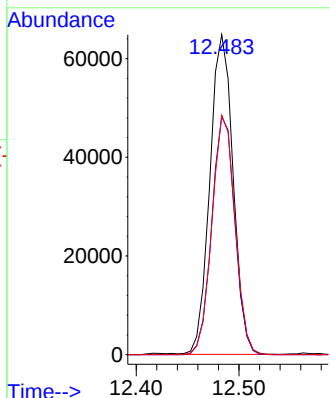
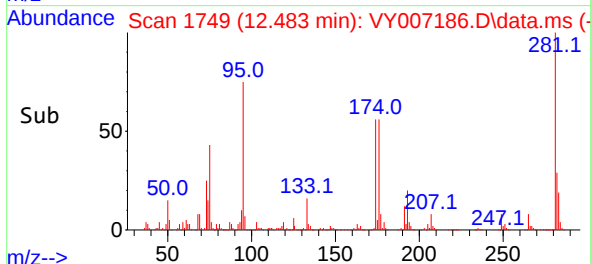
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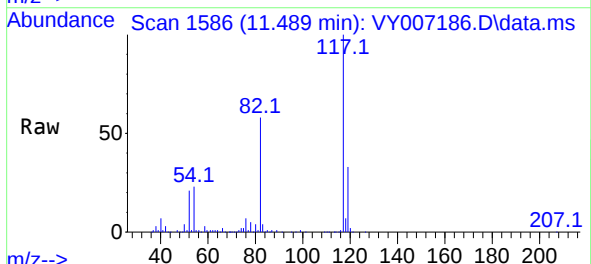
Tgt Ion: 95 Resp: 101672
Ion Ratio Lower Upper
95 100
174 73.8 0.0 148.4
176 74.1 0.0 146.6

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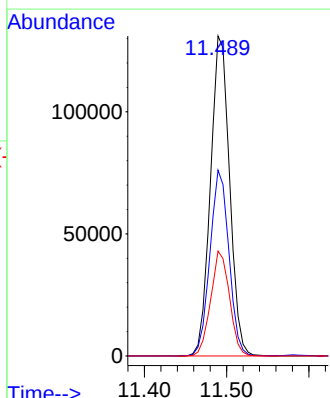
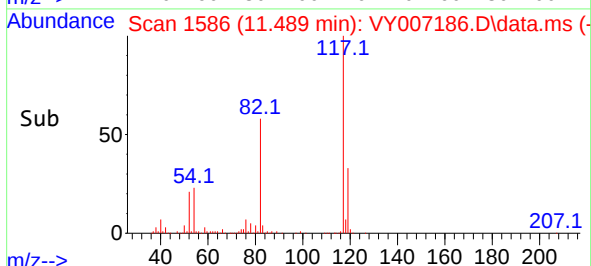
Reviewed By :John Carlone 01/18/2022
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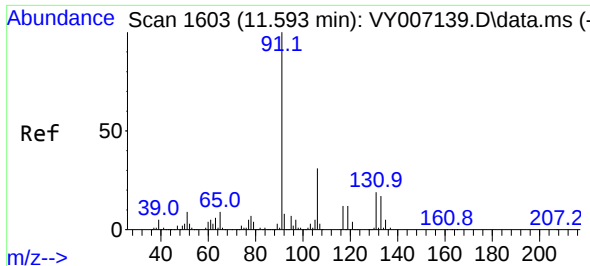


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48



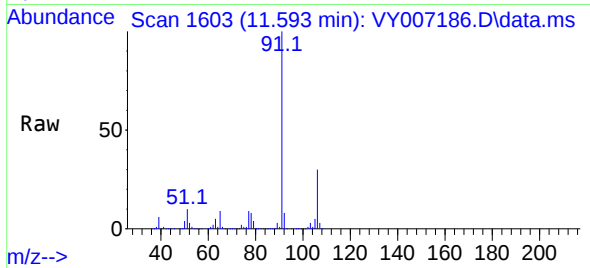
Tgt Ion:117 Resp: 211729
Ion Ratio Lower Upper
117 100
82 58.0 45.4 68.0
119 32.8 26.4 39.6





#67
Ethyl Benzene
Concen: 210.813 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48

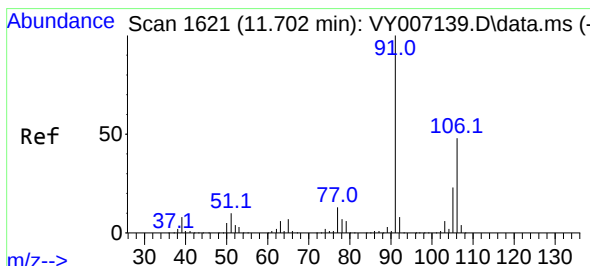
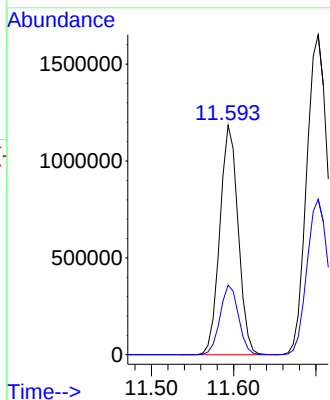
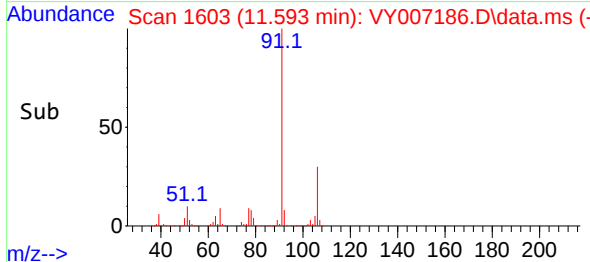
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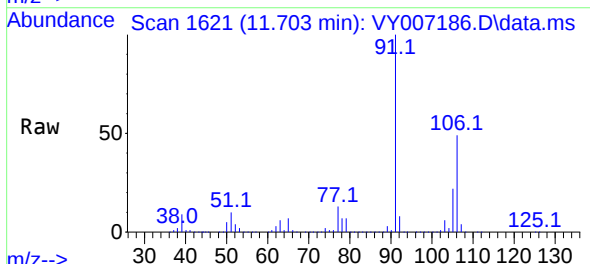
Tgt Ion: 91 Resp: 183434
Ion Ratio Lower Upper
91 100
106 30.3 23.9 35.9

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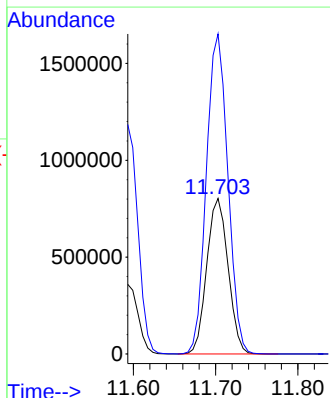
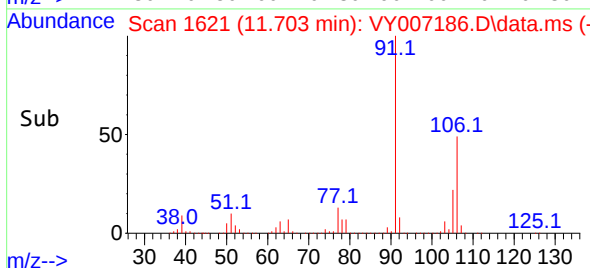
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022

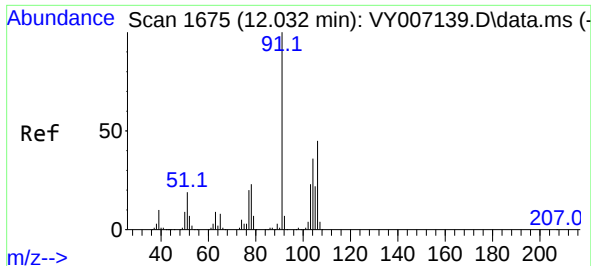


#68
m/p-Xylenes
Concen: 447.117 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48



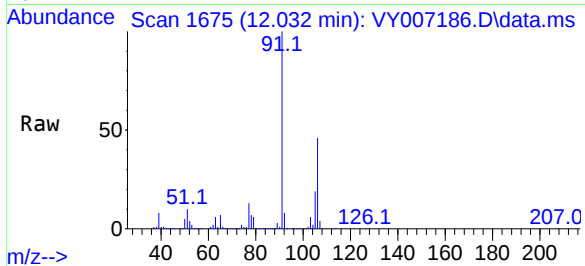
Tgt Ion:106 Resp: 1445781
Ion Ratio Lower Upper
106 100
91 207.1 167.1 250.7





#69
o-Xylene
Concen: 229.382 ug/l
RT: 12.032 min Scan# 106
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48

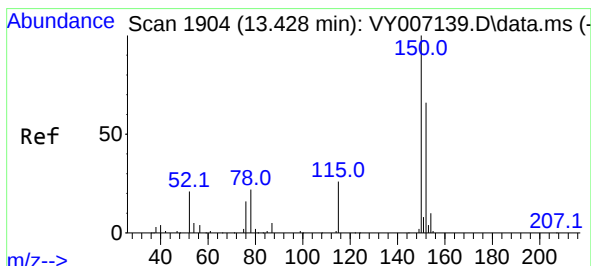
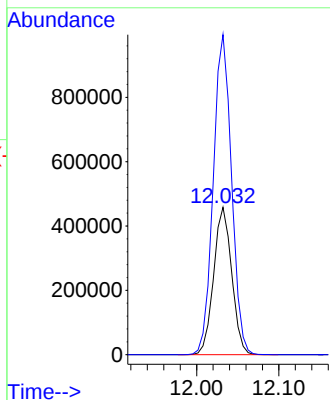
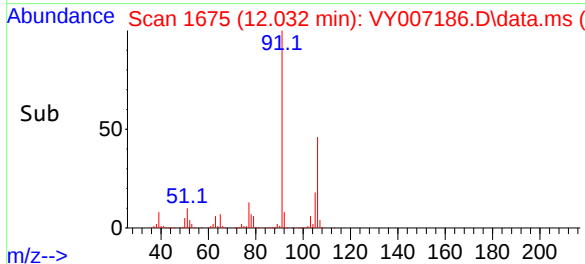
Instrument :
MSVOA_Y
ClientSampleId :
A3-7-6.5



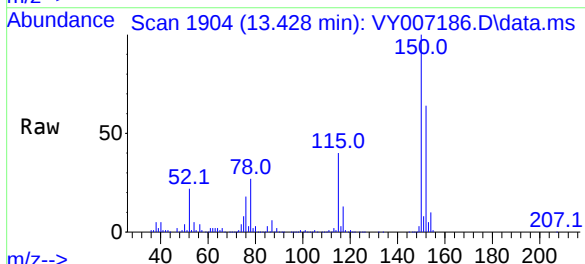
Tgt Ion:106 Resp: 69849
Ion Ratio Lower Upper
106 100
91 219.9 109.9 329.6

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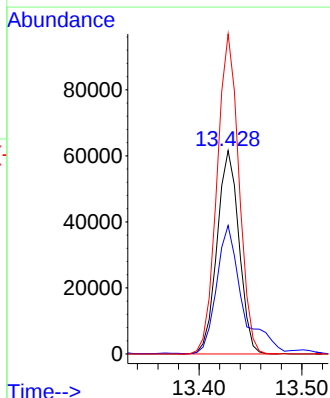
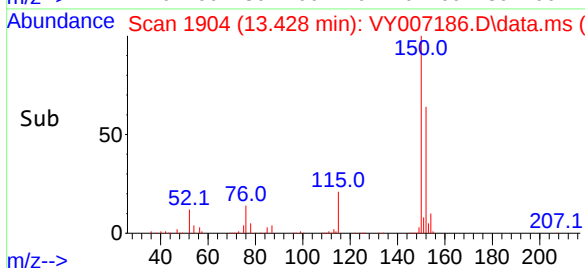
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022

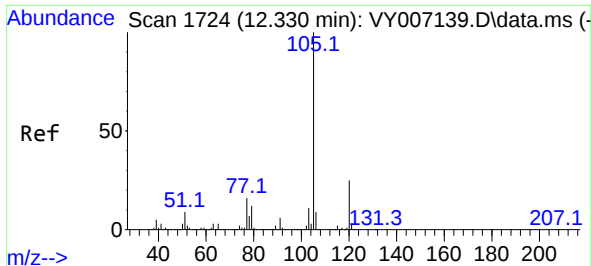


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48



Tgt Ion:152 Resp: 91023
Ion Ratio Lower Upper
152 100
115 73.7 31.4 94.0
150 157.5 0.0 348.4





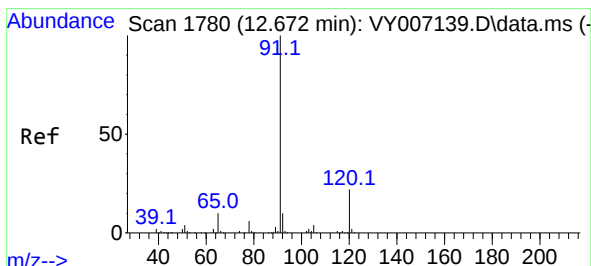
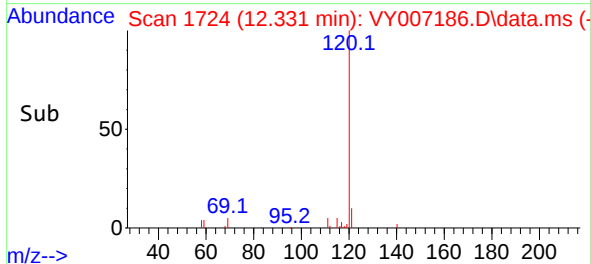
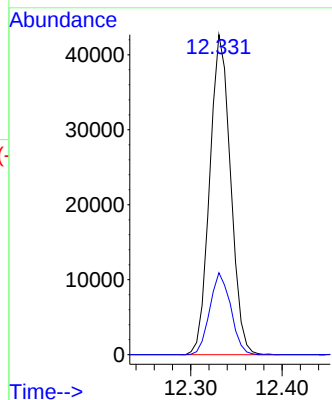
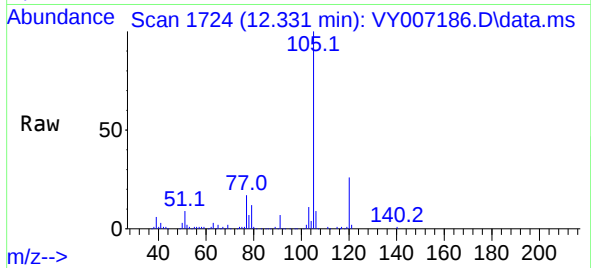
#73
Isopropylbenzene
Concen: 8.602 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48

Instrument :
MSVOA_Y
ClientSampleId :
A3-7-6.5

Tgt Ion:105 Resp: 67628
Ion Ratio Lower Upper
105 100
120 25.7 13.1 39.1

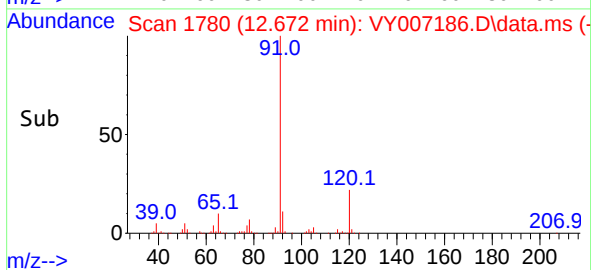
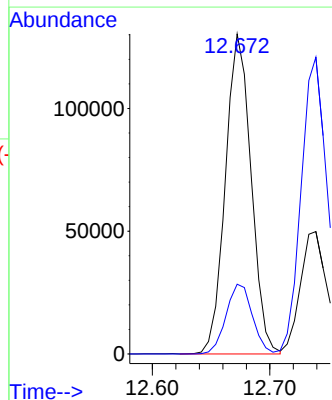
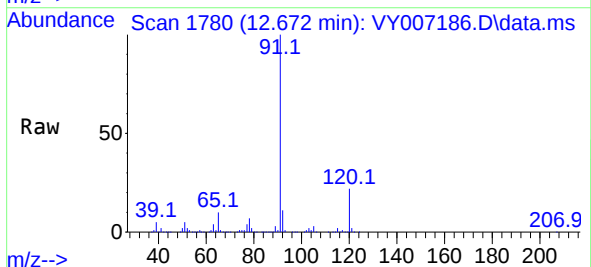
Manual Integrations
APPROVED

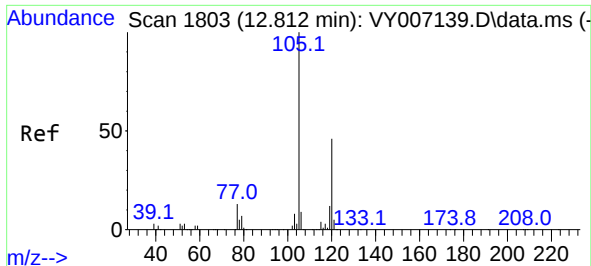
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022



#78
n-propylbenzene
Concen: 20.357 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48

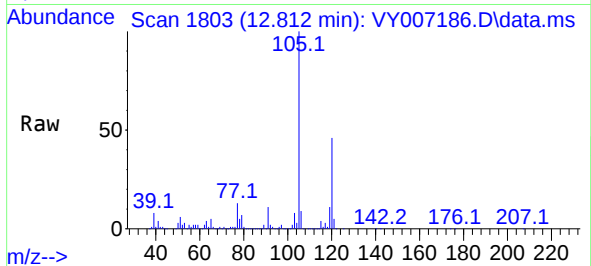
Tgt Ion: 91 Resp: 198392
Ion Ratio Lower Upper
91 100
120 22.3 11.2 33.5





#80
1,3,5-Trimethylbenzene
Concen: 32.083 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48

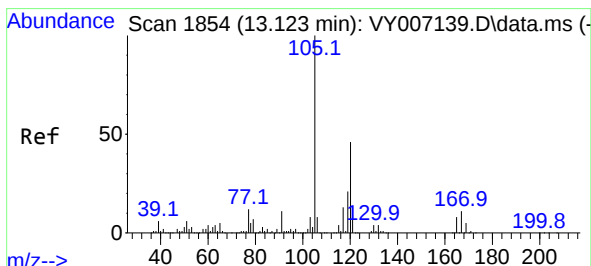
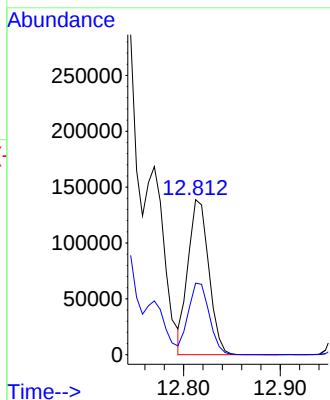
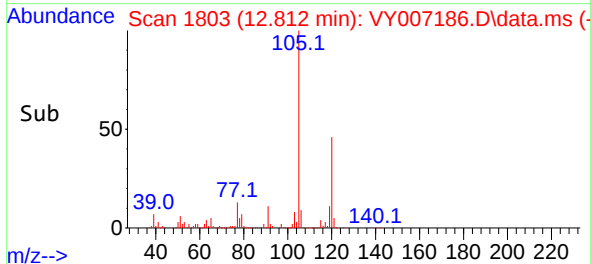
Instrument :
MSVOA_Y
ClientSampleId :
A3-7-6.5



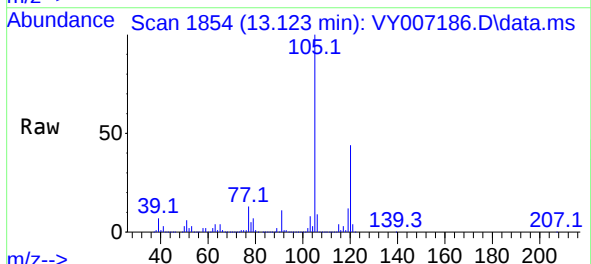
Tgt Ion:105 Resp: 20710
Ion Ratio Lower Upper
105 100
120 46.7 23.7 71.1

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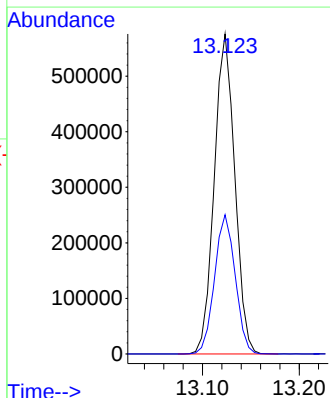
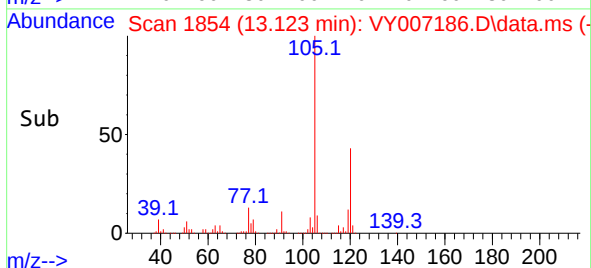
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022



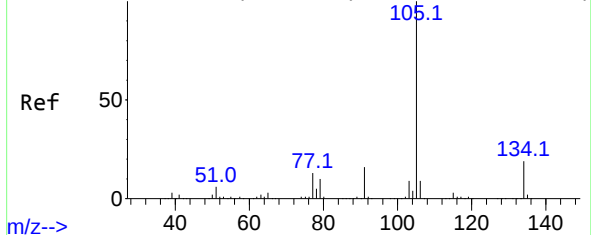
#84
1,2,4-Trimethylbenzene
Concen: 132.651 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48



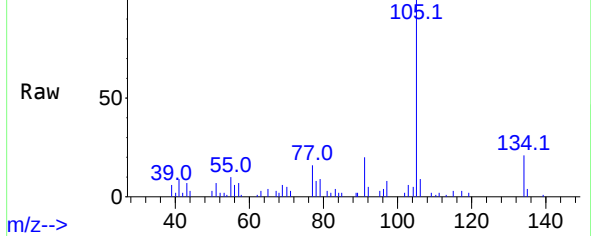
Tgt Ion:105 Resp: 848753
Ion Ratio Lower Upper
105 100
120 43.7 21.6 64.6



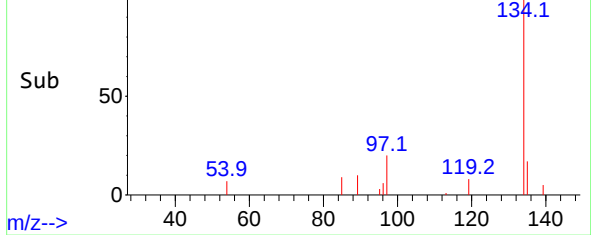
Abundance Scan 1875 (13.251 min): VY007139.D\data.ms (-



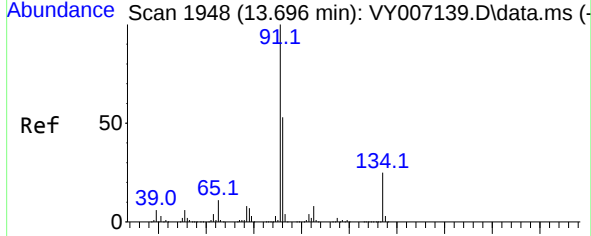
m/z--> Abundance Scan 1876 (13.257 min): VY007186.D\data.ms (-



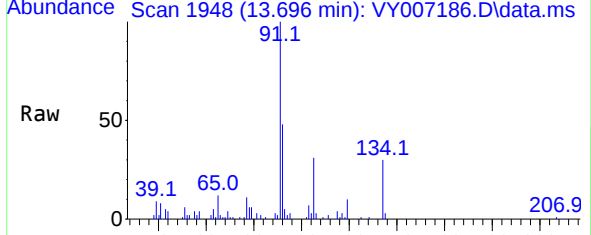
m/z--> Abundance Scan 1876 (13.257 min): VY007186.D\data.ms (-



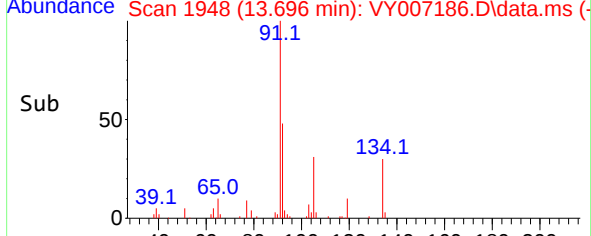
m/z--> Abundance Scan 1948 (13.696 min): VY007139.D\data.ms (-



m/z--> Abundance Scan 1948 (13.696 min): VY007186.D\data.ms (-



m/z--> Abundance Scan 1948 (13.696 min): VY007186.D\data.ms (-



m/z--> Abundance Scan 1948 (13.696 min): VY007186.D\data.ms (-



m/z--> Abundance Scan 1948 (13.696 min): VY007186.D\data.ms (-

m/z--> Abundance Scan 1948 (13.696 min): VY007186.D\data.ms (-

m/z--> Abundance Scan 1948 (13.696 min): VY007186.D\data.ms (-

m/z--> Abundance Scan 1948 (13.696 min): VY007186.D\data.ms (-

m/z--> Abundance Scan 1948 (13.696 min): VY007186.D\data.ms (-

m/z--> Abundance Scan 1948 (13.696 min): VY007186.D\data.ms (-

m/z--> Abundance Scan 1948 (13.696 min): VY007186.D\data.ms (-

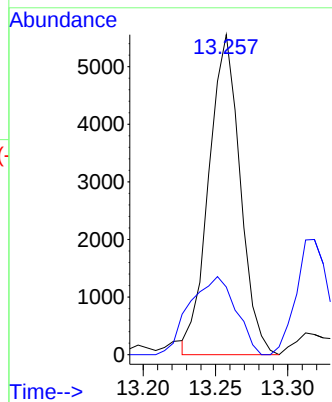
#85
sec-Butylbenzene
Concen: 1.007 ug/l m
RT: 13.257 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48

Tgt Ion:105 Resp: 8400
Ion Ratio Lower Upper
105 100
134 0.0 9.9 29.7

Instrument :
MSVOA_Y
ClientSampleId :
A3-7-6.5

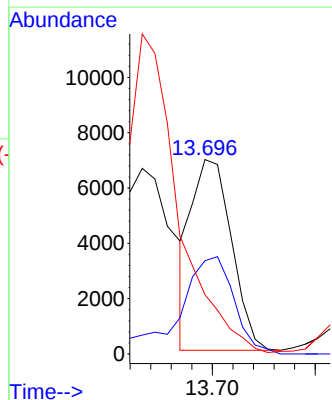
Manual Integrations
APPROVED

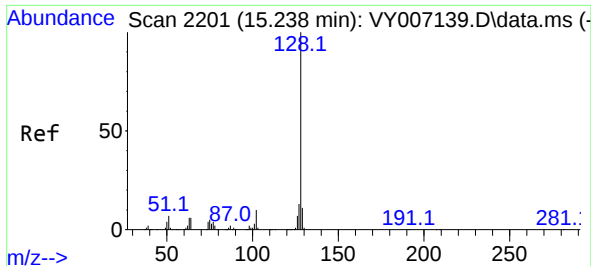
Reviewed By :John Carlone 01/18/2022
Supervised By :Mahesh Dadoda 01/18/2022



#89
n-Butylbenzene
Concen: 1.377 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY007186.D
Acq: 17 Jan 2022 14:48

Tgt Ion: 91 Resp: 9300
Ion Ratio Lower Upper
91 100
92 67.3 26.9 80.6
134 0.0 12.6 37.6





#95

Naphthalene

Concen: 65.697 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY007186.D

Acq: 17 Jan 2022 14:48

Instrument :

MSVOA_Y

ClientSampleId :

A3-7-6.5

Tgt Ion:128 Resp: 25279

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.9 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/18/2022

Supervised By :Mahesh Dadoda 01/18/2022

