

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102921\
 Data File : VY006533.D
 Acq On : 29 Oct 2021 12:33
 Operator : SY/MD
 Sample : M4407-02
 Misc : 2.42G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FDR-BH-7-20211028-7.5-8

Quant Time: Oct 30 02:58:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Vimala Arumugam 11/01/2021
 Supervised By :Mahesh Dadoda 11/03/2021

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	118068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	191212	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	145826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	37175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	83599	57.539	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.080%			
35) Dibromofluoromethane	7.722	113	57191	53.662	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.320%			
50) Toluene-d8	10.185	98	230874	51.102	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.200%			
62) 4-Bromofluorobenzene	12.483	95	53916	35.427	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 70.860%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	77261	585.350	ug/l	97
16) Acetone	3.954	43	190505	455.364	ug/l	97
17) Carbon Disulfide	4.204	76	33933	9.706	ug/l	98
18) Methyl Acetate	4.485	43	3789	2.793	ug/l #	73
25) 2-Butanone	6.996	43	7581	13.832	ug/l	99
40) Benzene	8.167	78	17811	3.305	ug/l	96
52) Toluene	10.246	92	15039	4.448	ug/l	98
67) Ethyl Benzene	11.593	91	13351	2.471	ug/l	98
68) m/p-Xylenes	11.703	106	12891	6.341	ug/l	79
69) o-Xylene	12.032	106	6073	3.131	ug/l	92
73) Isopropylbenzene	12.331	105	17169	6.602	ug/l	97
78) n-propylbenzene	12.672	91	21012	6.538	ug/l	90
84) 1,2,4-Trimethylbenzene	13.117	105	7296	3.351	ug/l	93
85) sec-Butylbenzene	13.251	105	9039	3.217	ug/l #	45
86) p-Isopropyltoluene	13.373	119	8637m	3.603	ug/l	
89) n-Butylbenzene	13.696	91	54404	24.129	ug/l	94

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

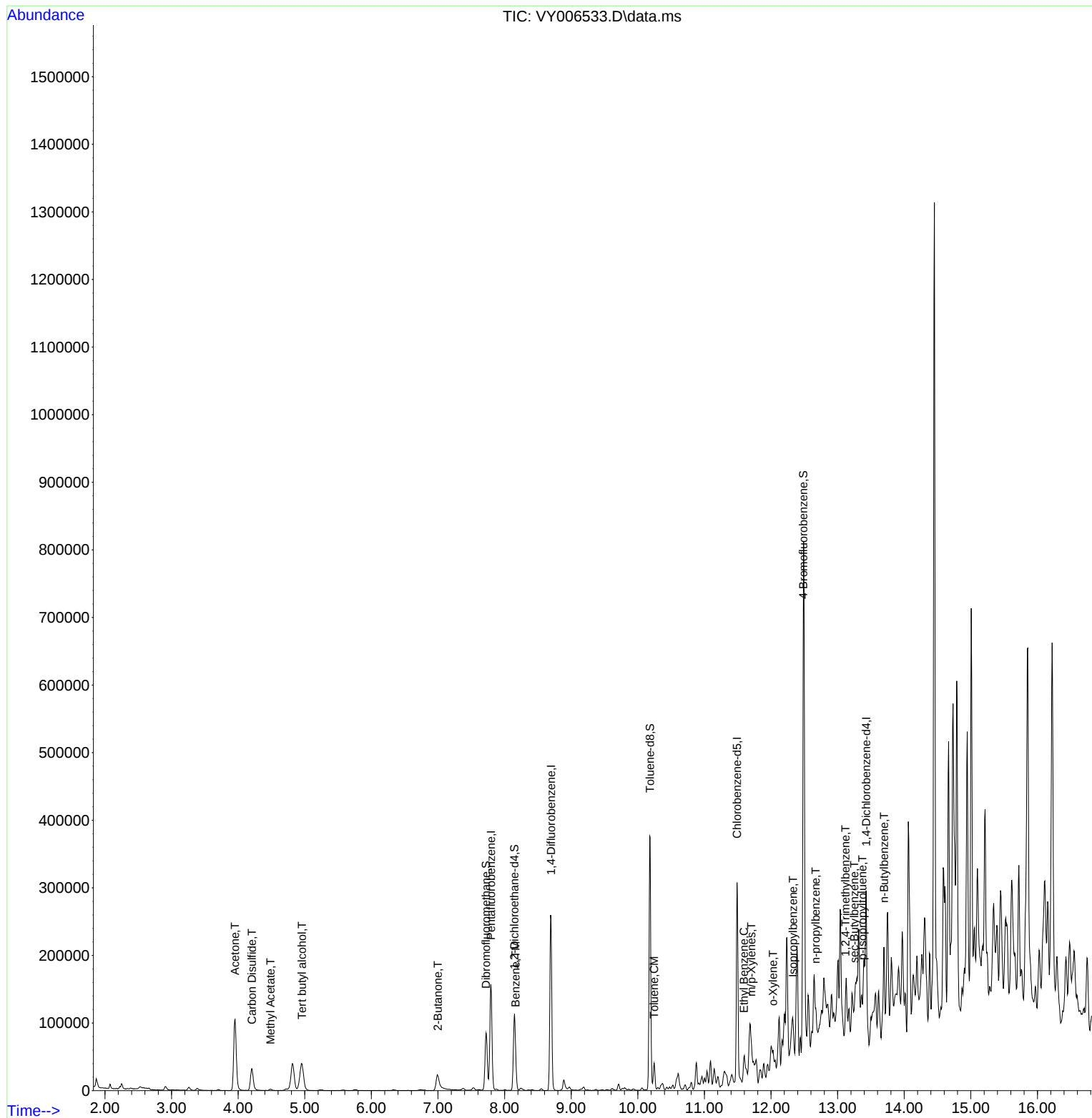
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102921\
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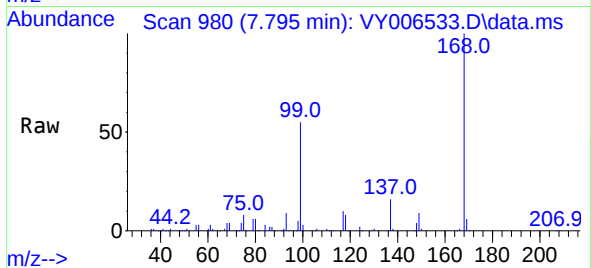
Reviewed By :Vimala Arumugam 11/01/2021
Supervised By :Mahesh Dadoda 11/03/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33

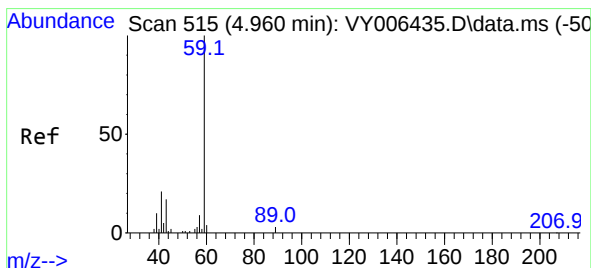
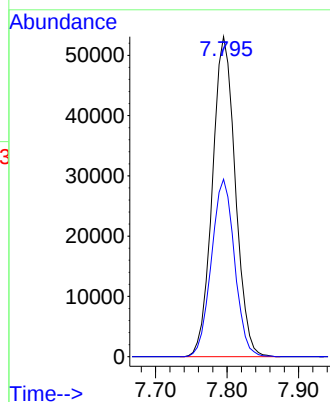
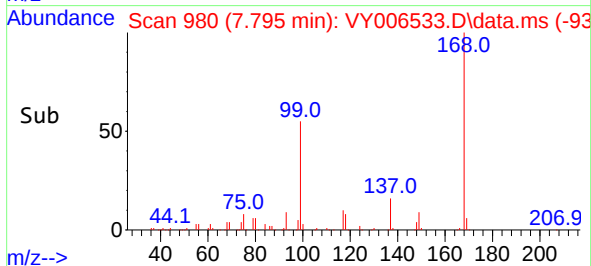
Instrument :
MSVOA_Y
ClientSampleId :
FDR-BH-7-20211028-7.5-8



Tgt Ion:168 Resp: 118068
Ion Ratio Lower Upper
168 100
99 55.5 44.8 67.2

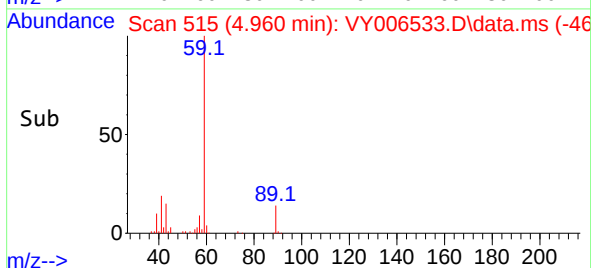
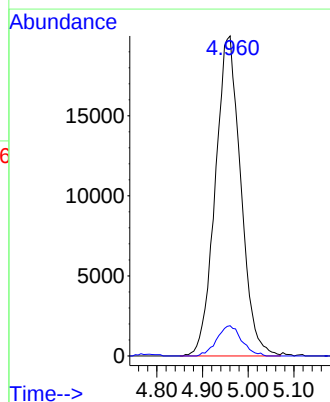
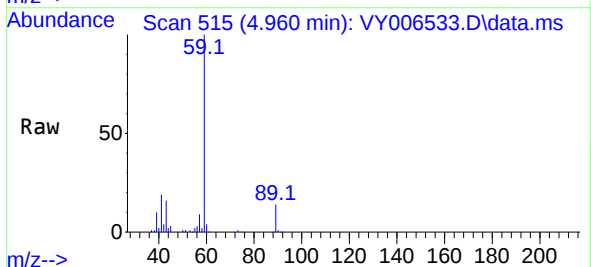
Manual Integrations
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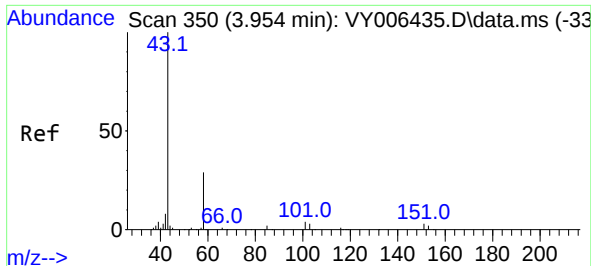
Reviewed By :Vimala Arumugam 11/01/2021
Supervised By :Mahesh Dadoda 11/03/2021



#11
Tert butyl alcohol
Concen: 585.350 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33

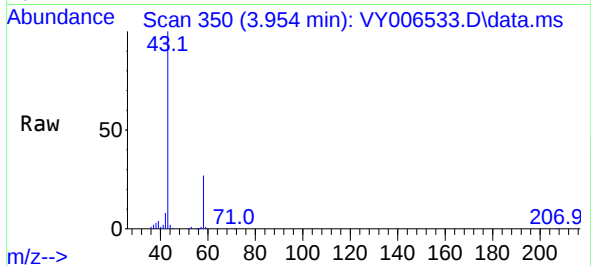
Tgt Ion: 59 Resp: 77261
Ion Ratio Lower Upper
59 100
57 9.3 8.2 12.4





#16
Acetone
Concen: 455.364 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33

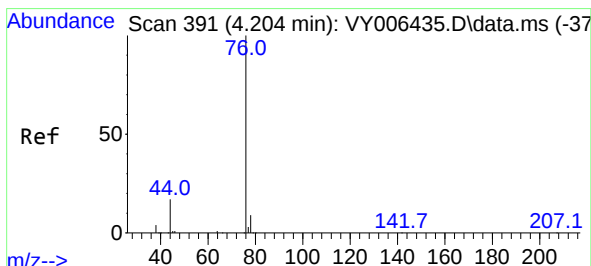
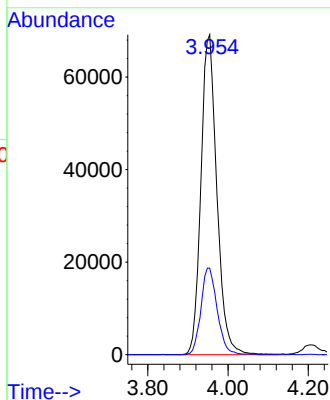
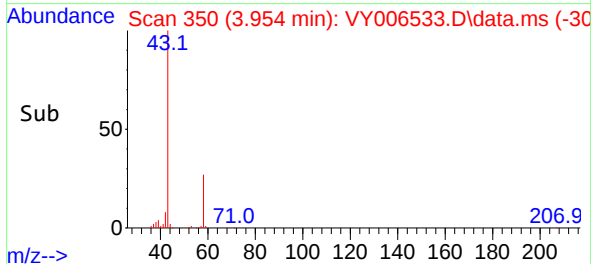
Instrument : MSVOA_Y
ClientSampleId : FDR-BH-7-20211028-7.5-8



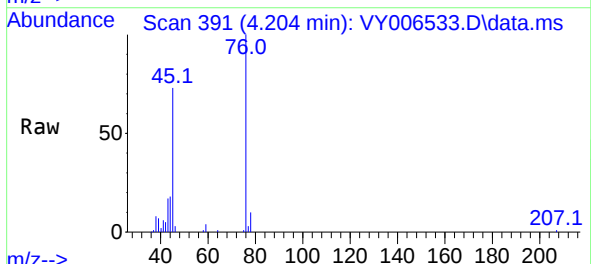
Tgt Ion: 43 Resp: 19050
Ion Ratio Lower Upper
43 100
58 27.0 22.9 34.3

Manual Integrations
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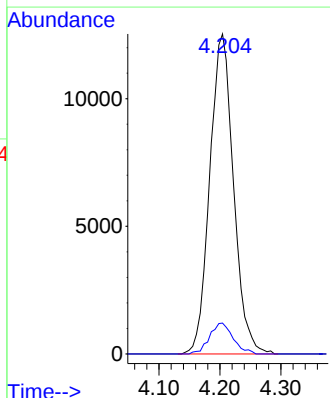
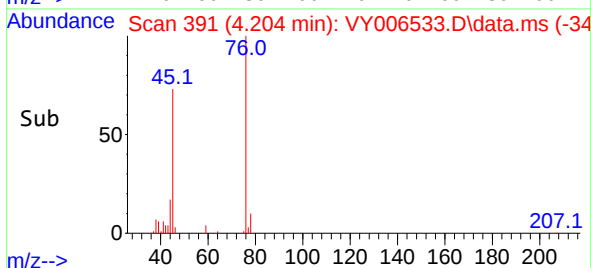
Reviewed By :Vimala Arumugam 11/01/2021
Supervised By :Mahesh Dadoda 11/03/2021

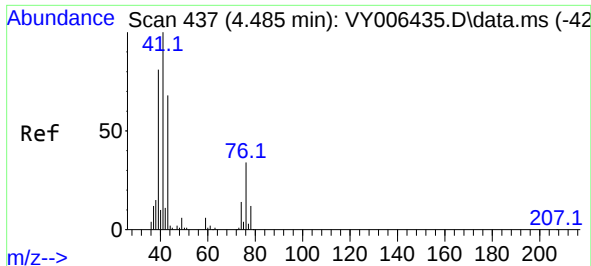


#17
Carbon Disulfide
Concen: 9.706 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33



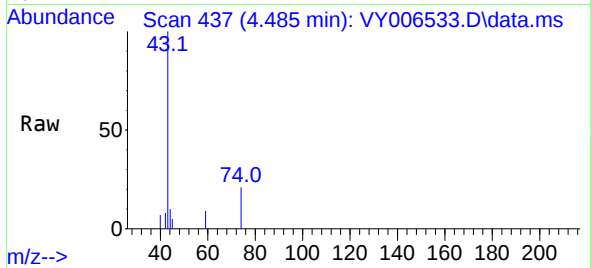
Tgt Ion: 76 Resp: 33933
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7





#18
Methyl Acetate
Concen: 2.793 ug/l
RT: 4.485 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33

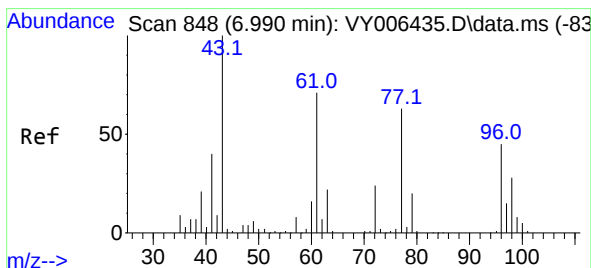
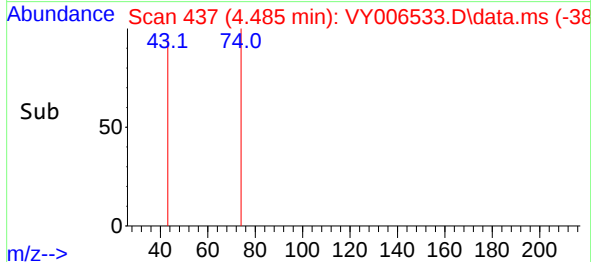
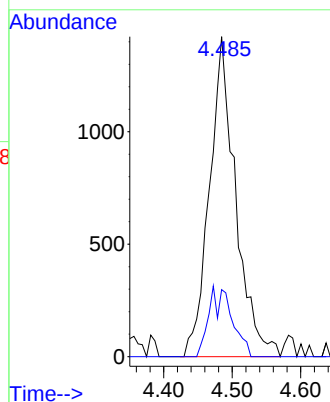
Instrument :
MSVOA_Y
ClientSampleId :
FDR-BH-7-20211028-7.5-8



Tgt Ion: 43 Resp: 3789
Ion Ratio Lower Upper
43 100
74 8.1 16.6 25.0

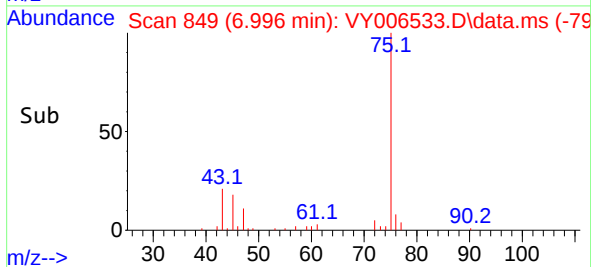
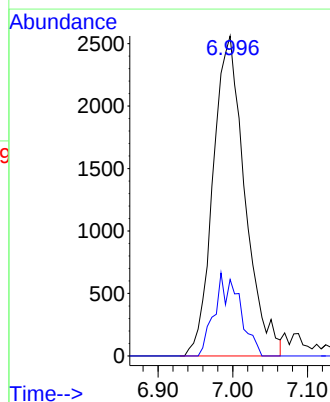
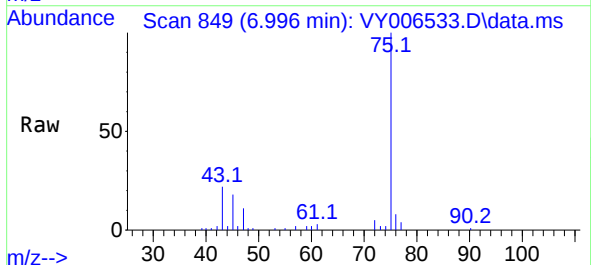
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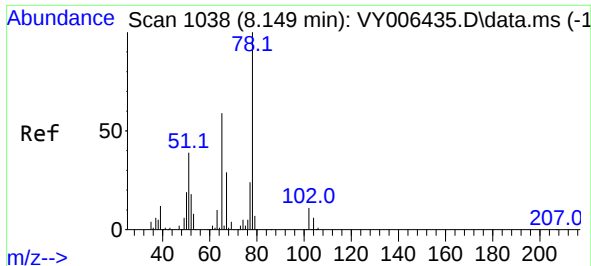
Reviewed By :Vimala Arumugam 11/01/2021
Supervised By :Mahesh Dadoda 11/03/2021



#25
2-Butanone
Concen: 13.832 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33

Tgt Ion: 43 Resp: 7581
Ion Ratio Lower Upper
43 100
72 23.9 18.9 28.3





#33

1,2-Dichloroethane-d4

Concen: 57.539 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY006533.D

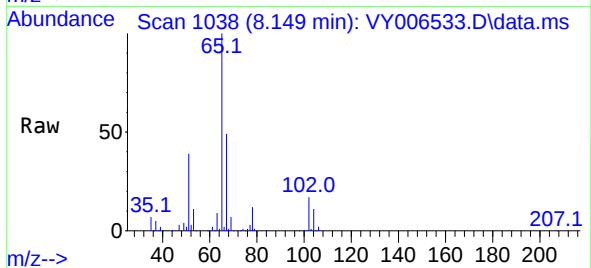
Acq: 29 Oct 2021 12:33

Instrument :

MSVOA_Y

ClientSampleId :

FDR-BH-7-20211028-7.5-8



Tgt Ion: 65 Resp: 8359

Ion Ratio Lower Upper

65 100

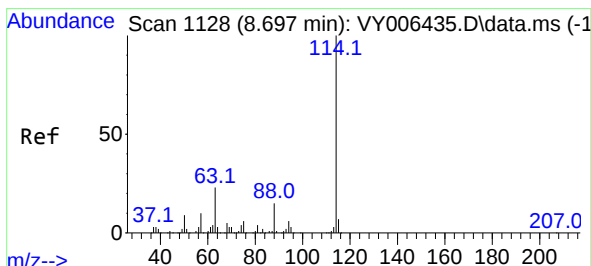
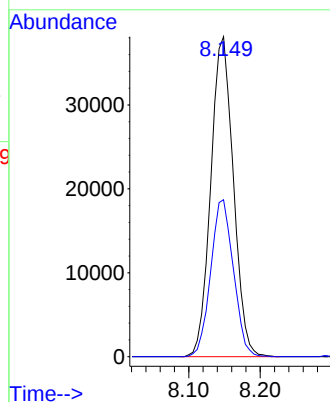
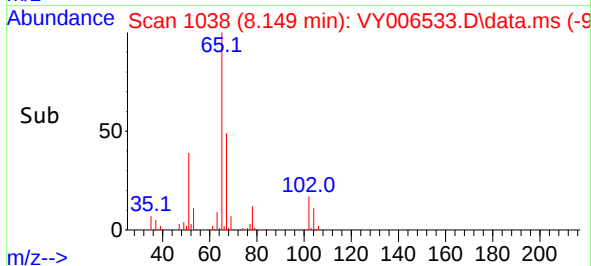
67 49.3 0.0 98.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY006533.D

Acq: 29 Oct 2021 12:33

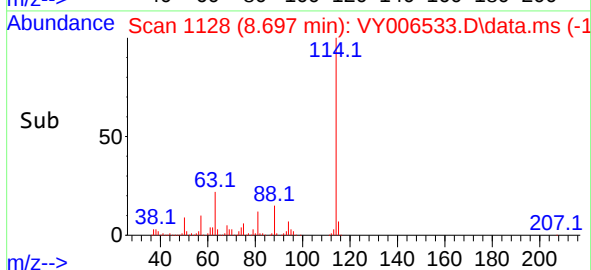
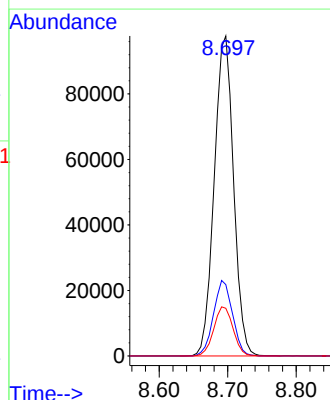
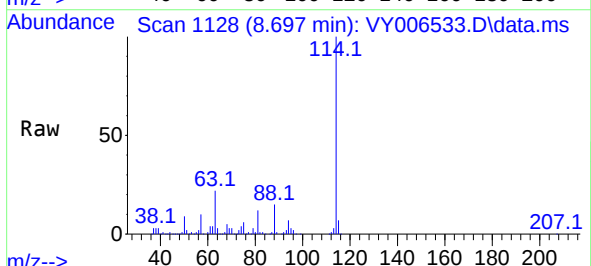
Tgt Ion:114 Resp: 191212

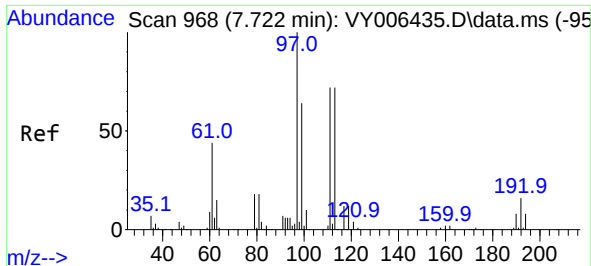
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

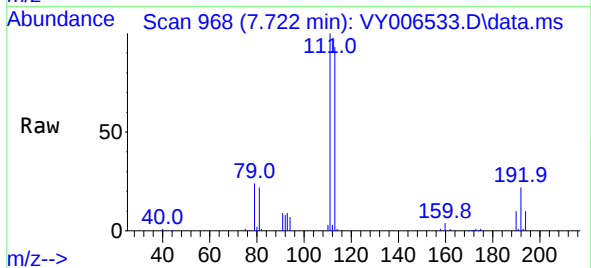
88 14.9 0.0 30.6





#35
Dibromofluoromethane
Concen: 53.662 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33

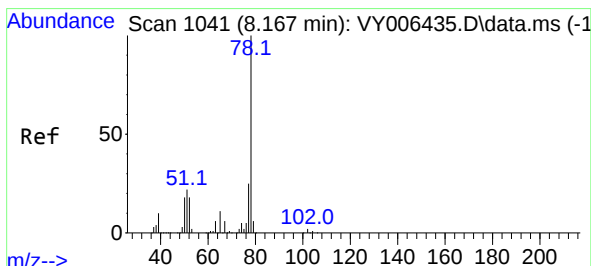
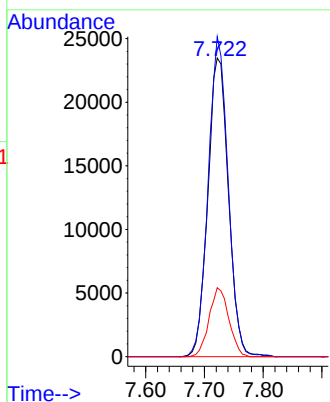
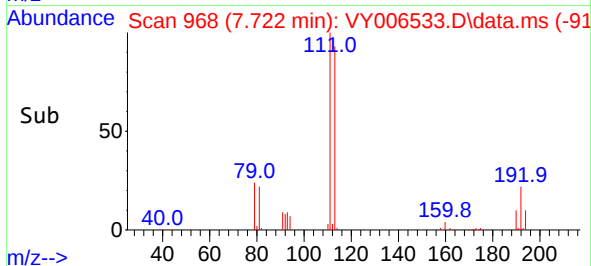
Instrument : MSVOA_Y
ClientSampleId : FDR-BH-7-20211028-7.5-8



Tgt Ion: 113 Resp: 5719
Ion Ratio Lower Upper
113 100
111 103.3 82.3 123.5
192 22.1 17.4 26.2

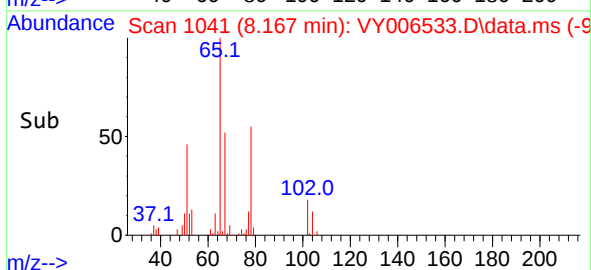
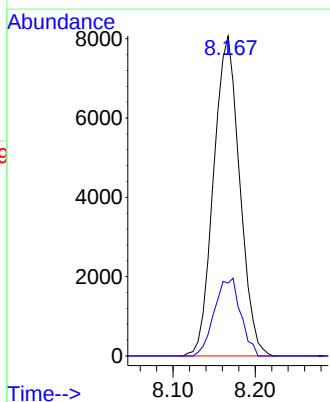
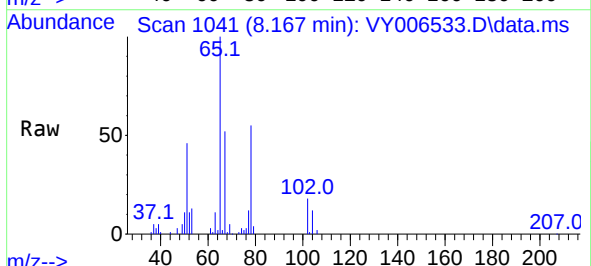
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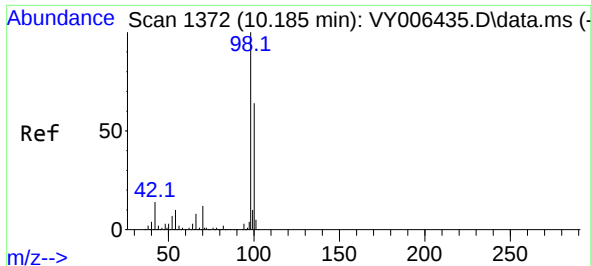
Reviewed By :Vimala Arumugam 11/01/2021
Supervised By :Mahesh Dadoda 11/03/2021



#40
Benzene
Concen: 3.305 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33

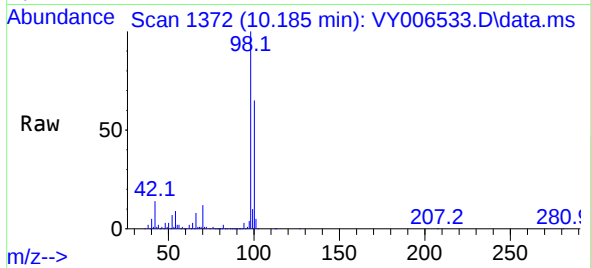
Tgt Ion: 78 Resp: 17811
Ion Ratio Lower Upper
78 100
77 22.8 19.7 29.5





#50
Toluene-d8
Concen: 51.102 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33

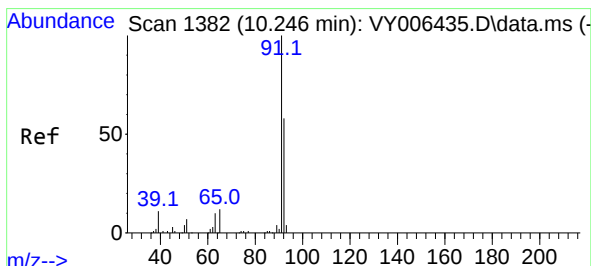
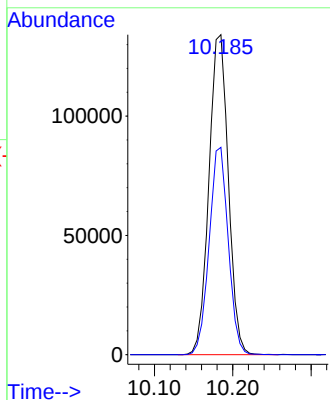
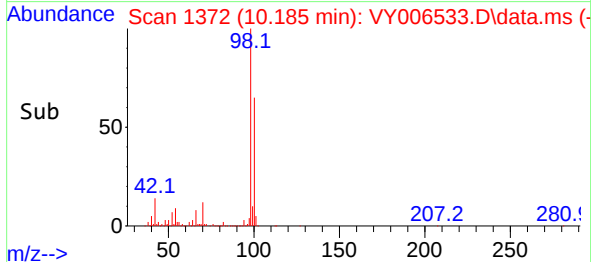
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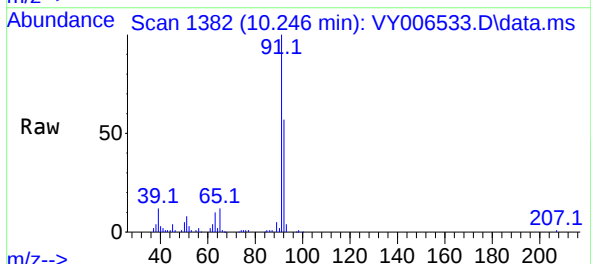
Tgt Ion: 98 Resp: 230874
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3

Manual Integrations
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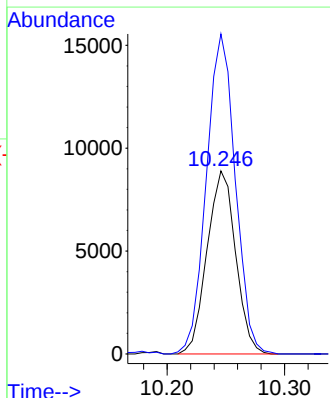
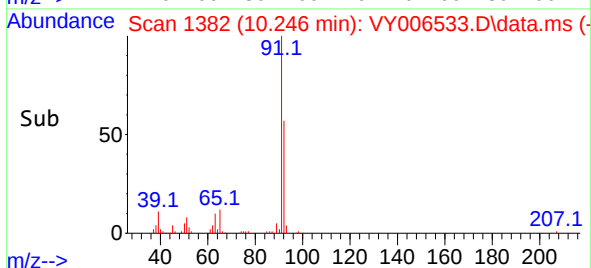
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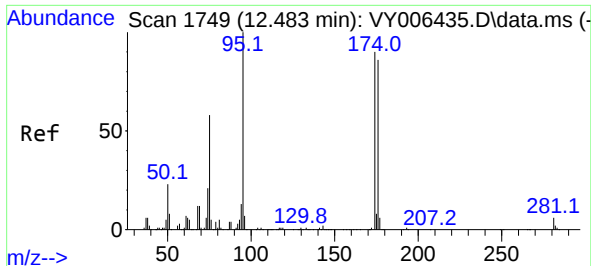


#52
Toluene
Concen: 4.448 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33



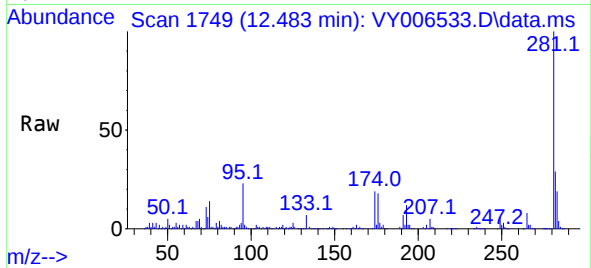
Tgt Ion: 92 Resp: 15039
Ion Ratio Lower Upper
92 100
91 176.8 139.7 209.5





#62
4-Bromofluorobenzene
Concen: 35.427 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33

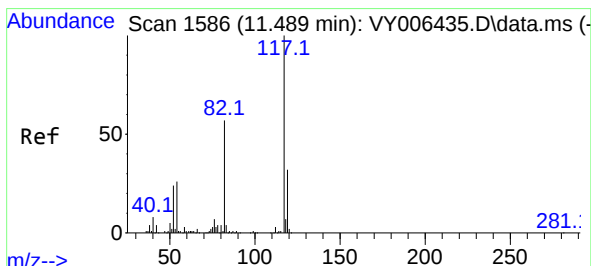
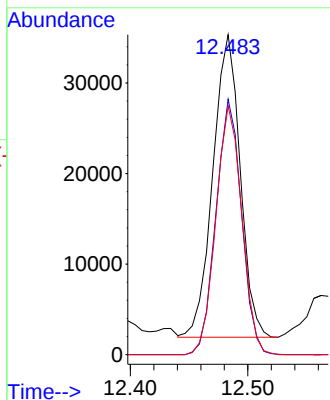
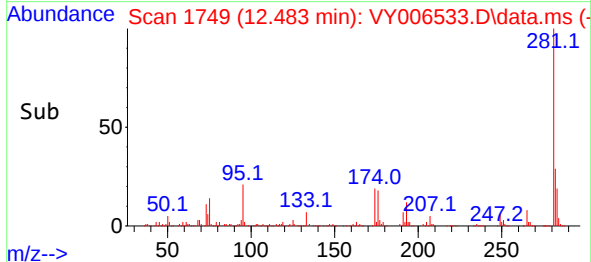
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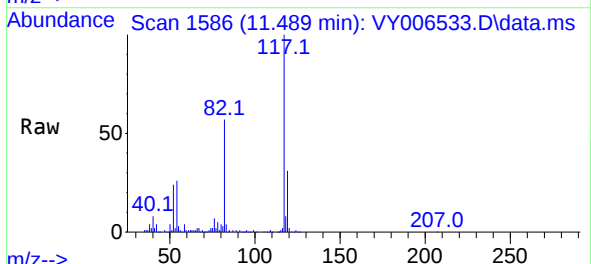
Tgt Ion: 95 Resp: 53910
Ion Ratio Lower Upper
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174 79.0 0.0 177.0
176 78.1 0.0 169.4

Manual Integrations
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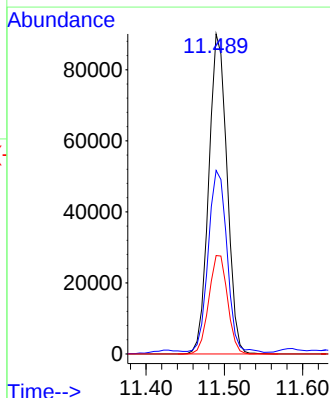
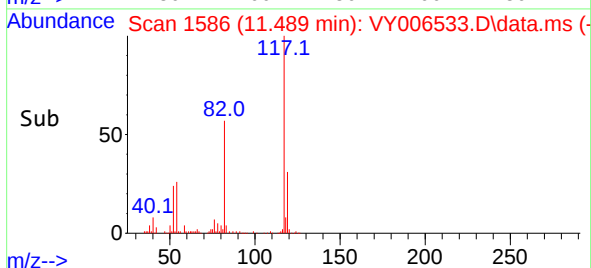
Reviewed By :Vimala Arumugam 11/01/2021
Supervised By :Mahesh Dadoda 11/03/2021

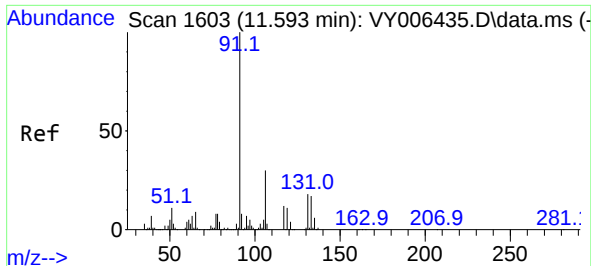


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33



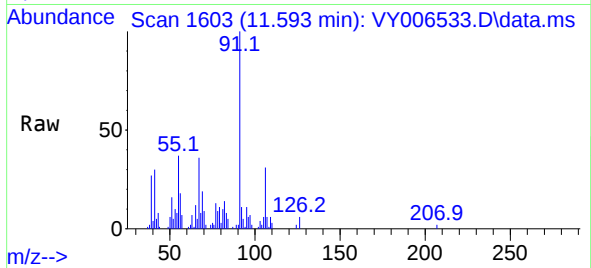
Tgt Ion:117 Resp: 145826
Ion Ratio Lower Upper
117 100
82 56.4 45.7 68.5
119 30.8 25.5 38.3





#67
Ethyl Benzene
Concen: 2.471 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33

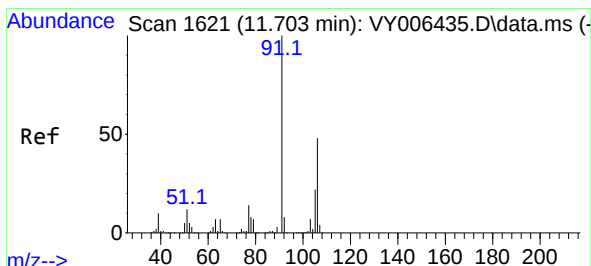
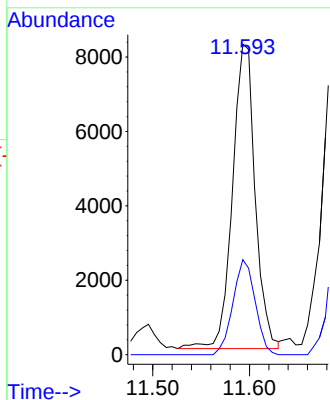
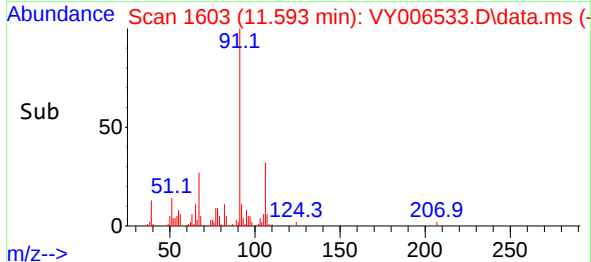
Instrument : MSVOA_Y
ClientSampleId : FDR-BH-7-20211028-7.5-8



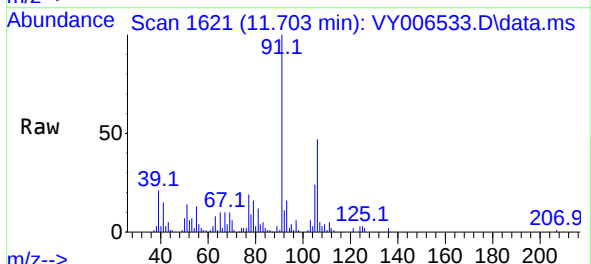
Tgt Ion: 91 Resp: 1335
Ion Ratio Lower Upper
91 100
106 31.2 24.2 36.4

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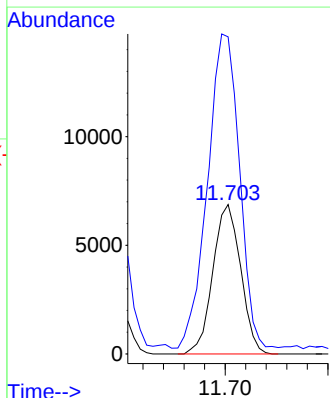
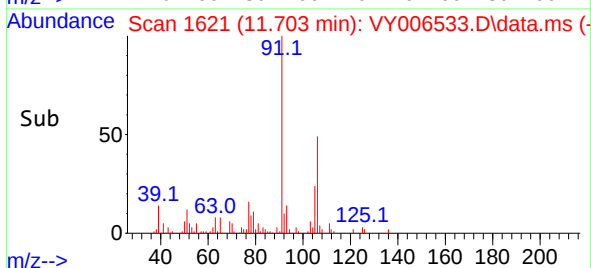
Reviewed By :Vimala Arumugam 11/01/2021
Supervised By :Mahesh Dadoda 11/03/2021

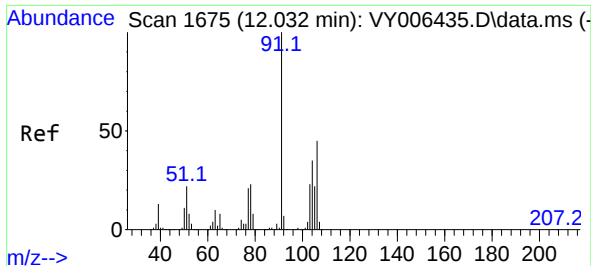


#68
m/p-Xylenes
Concen: 6.341 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33



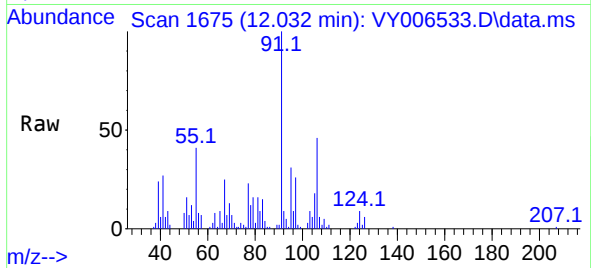
Tgt Ion:106 Resp: 12891
Ion Ratio Lower Upper
106 100
91 241.6 167.5 251.3





#69
o-Xylene
Concen: 3.131 ug/l
RT: 12.032 min Scan# 106
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33

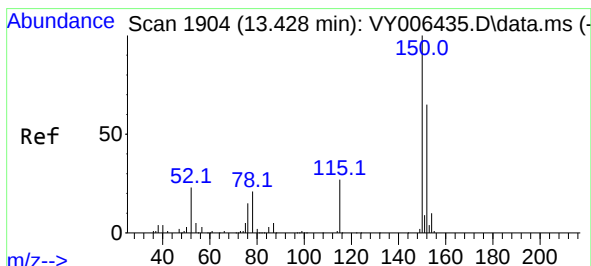
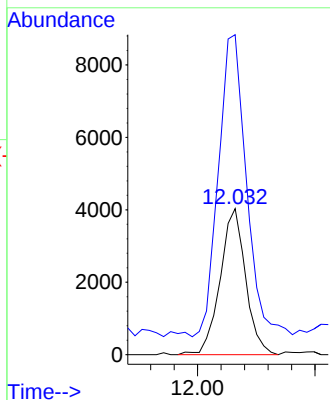
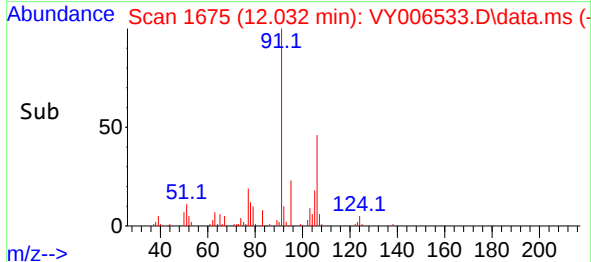
Instrument : MSVOA_Y
ClientSampleId : FDR-BH-7-20211028-7.5-8



Tgt Ion:106 Resp: 607
Ion Ratio Lower Upper
106 100
91 232.8 110.3 330.9

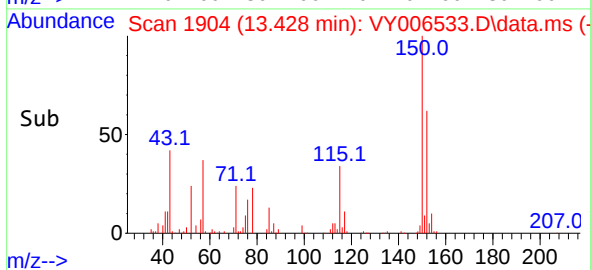
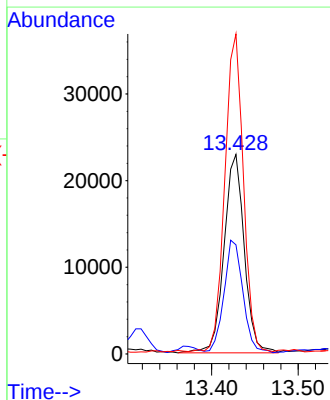
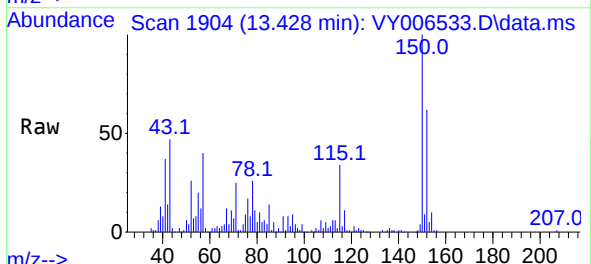
Manual Integrations
APPROVED

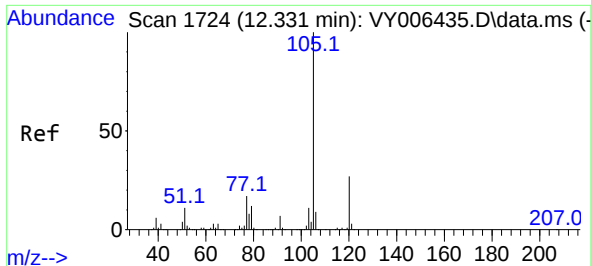
Reviewed By :Vimala Arumugam 11/01/2021
Supervised By :Mahesh Dadoda 11/03/2021



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33

Tgt Ion:152 Resp: 37175
Ion Ratio Lower Upper
152 100
115 52.1 28.5 85.5
150 145.9 0.0 348.2





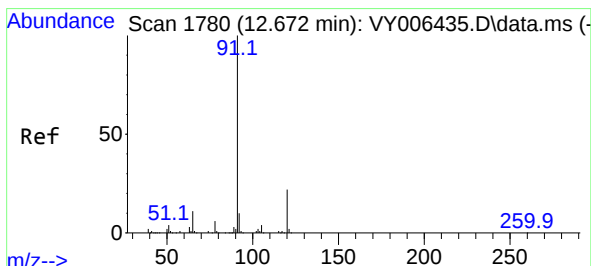
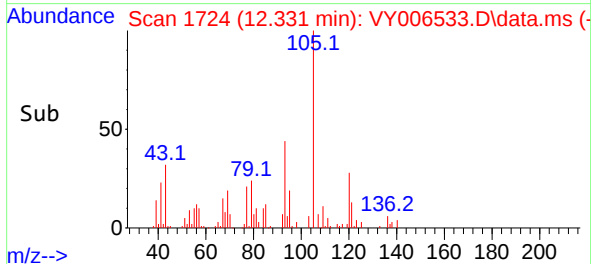
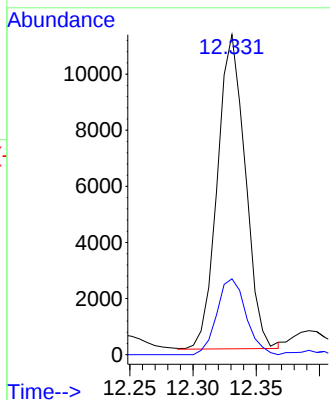
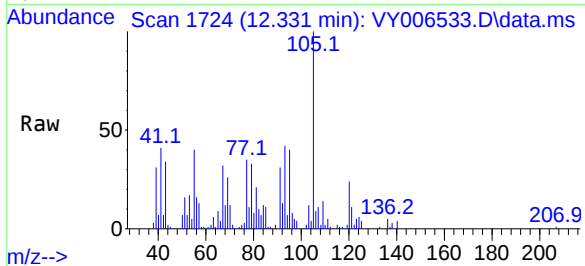
#73
Isopropylbenzene
Concen: 6.602 ug/l
RT: 12.331 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33

Instrument : MSVOA_Y
ClientSampleId :
FDR-BH-7-20211028-7.5-8

Tgt Ion:105 Resp: 1716
Ion Ratio Lower Upper
105 100
120 25.0 13.3 39.9

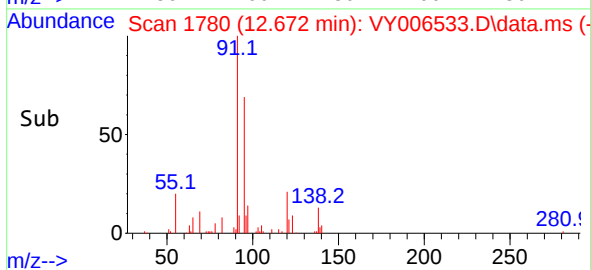
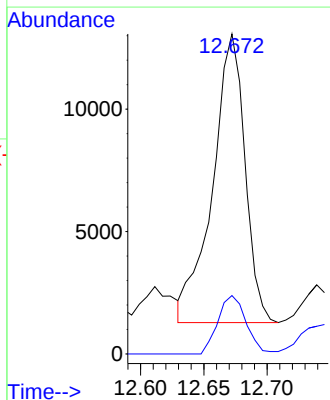
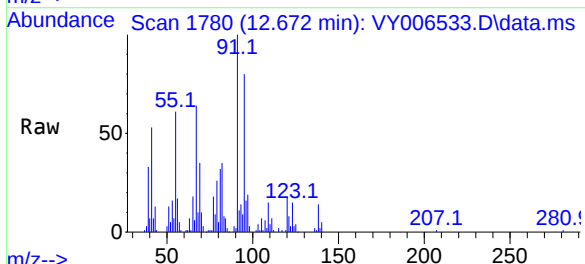
Manual Integrations
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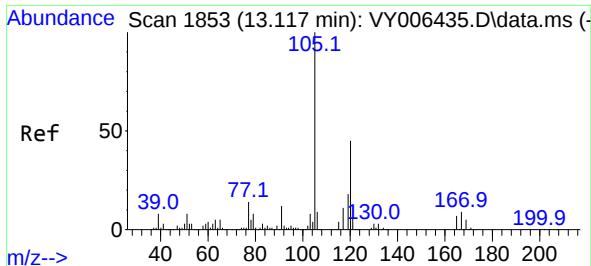
Reviewed By :Vimala Arumugam 11/01/2021
Supervised By :Mahesh Dadoda 11/03/2021



#78
n-propylbenzene
Concen: 6.538 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33

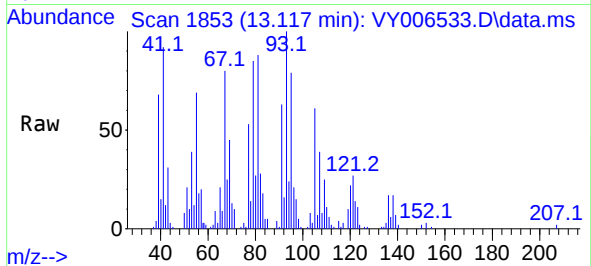
Tgt Ion: 91 Resp: 21012
Ion Ratio Lower Upper
91 100
120 17.6 11.3 33.8





#84
1,2,4-Trimethylbenzene
Concen: 3.351 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33

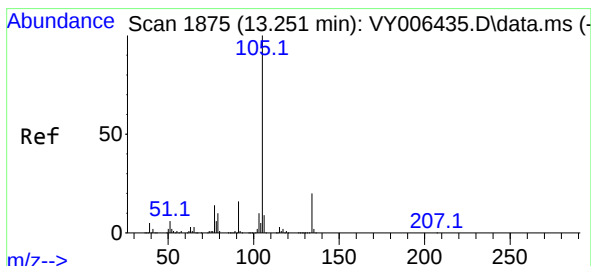
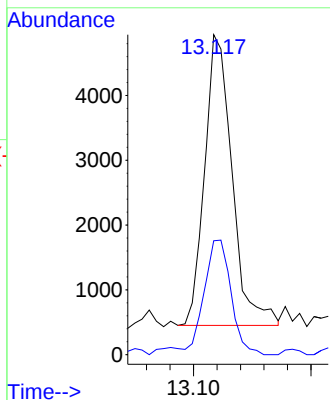
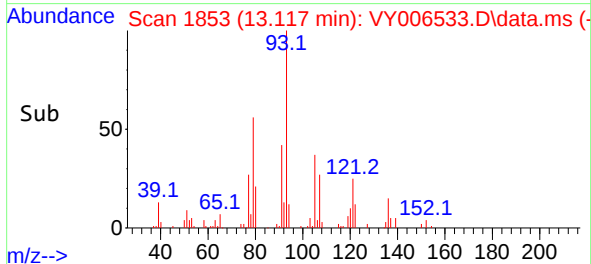
Instrument : MSVOA_Y
ClientSampleId :
FDR-BH-7-20211028-7.5-8



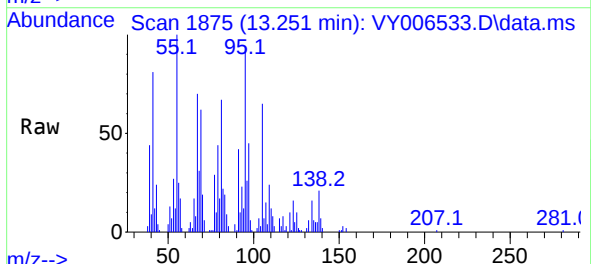
Tgt Ion:105 Resp: 7290
Ion Ratio Lower Upper
105 100
120 40.6 22.6 67.8

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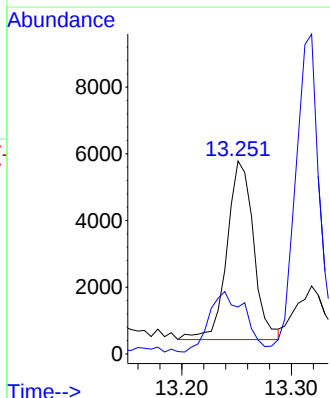
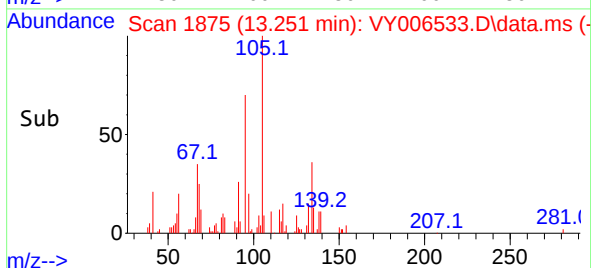
Reviewed By :Vimala Arumugam 11/01/2021
Supervised By :Mahesh Dadoda 11/03/2021

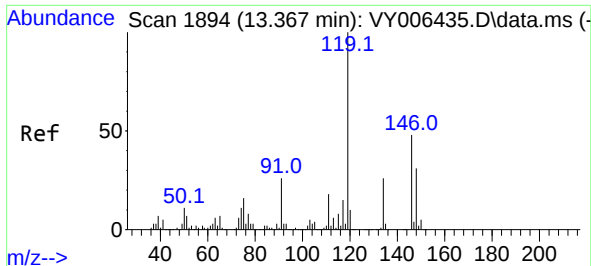


#85
sec-Butylbenzene
Concen: 3.217 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33



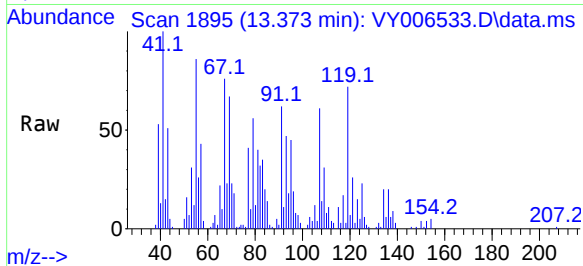
Tgt Ion:105 Resp: 9039
Ion Ratio Lower Upper
105 100
134 45.7 10.1 30.3#





#86
p-Isopropyltoluene
Concen: 3.603 ug/l m
RT: 13.373 min Scan# 119
Delta R.T. 0.006 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33

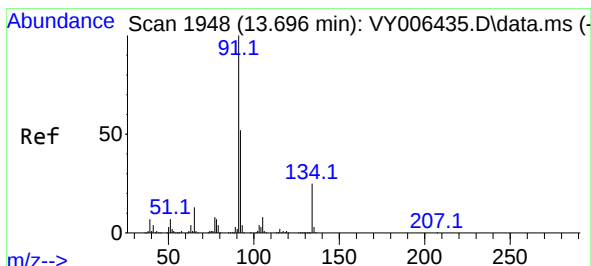
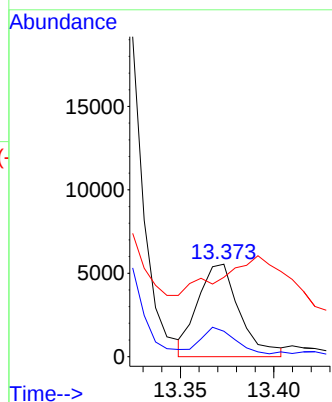
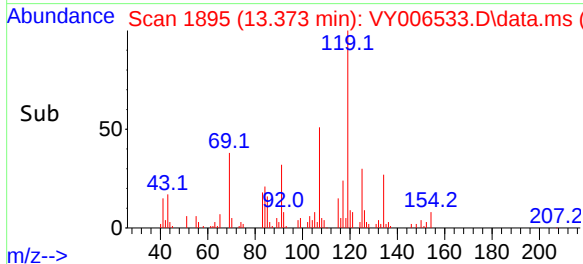
Instrument :
MSVOA_Y
ClientSampleId :
FDR-BH-7-20211028-7.5-8



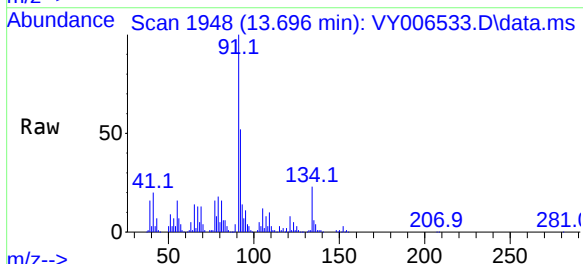
Tgt Ion:119 Resp: 863
Ion Ratio Lower Upper
119 100
134 164.6 13.1 39.1
91 175.2 12.4 37.4

Manual Integrations
APPROVED

Reviewed By :Vimala Arumugam 11/01/2021
Supervised By :Mahesh Dadoda 11/03/2021



#89
n-Butylbenzene
Concen: 24.129 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY006533.D
Acq: 29 Oct 2021 12:33



Tgt Ion: 91 Resp: 54404
Ion Ratio Lower Upper
91 100
92 50.8 26.3 78.9
134 32.5 12.9 38.7

