

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014659.D
 Acq On : 14 Jul 2023 19:50
 Operator : SY/MD
 Sample : 03632-06
 Misc : 7.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-09-(3-5)

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2023
 Supervised By :Semsettin Yesilyurt 07/17/2023

Quant Time: Jul 14 23:16:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	257792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	444696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	371107	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	190941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	135727	46.203	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.400%		
35) Dibromofluoromethane	7.716	113	136484	48.213	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.420%		
50) Toluene-d8	10.185	98	1041187	99.762	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	199.520%#		
62) 4-Bromofluorobenzene	12.477	95	468533m	117.080	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	234.160%#		
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	79815	85.739	ug/l #	80
17) Carbon Disulfide	4.192	76	16026	2.205	ug/l	96
31) Cyclohexane	7.771	56	3053182	626.100	ug/l #	50
39) Methylcyclohexane	9.185	83	5021292	910.424	ug/l #	78
67) Ethyl Benzene	11.593	91	2070765	145.029	ug/l	99
68) m/p-Xylenes	11.703	106	239466	43.936	ug/l	91
69) o-Xylene	12.032	106	16837	3.172	ug/l #	19
73) Isopropylbenzene	12.331	105	1641338	109.783	ug/l	100
78) n-propylbenzene	12.672	91	8104816	449.872	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	367864	30.021	ug/l	97
85) sec-Butylbenzene	13.251	105	766279	47.162	ug/l #	49
86) p-Isopropyltoluene	13.367	119	165711m	12.492	ug/l	
89) n-Butylbenzene	13.696	91	2128852	164.947	ug/l #	81
95) Naphthalene	15.233	128	3960512	440.062	ug/l	98

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

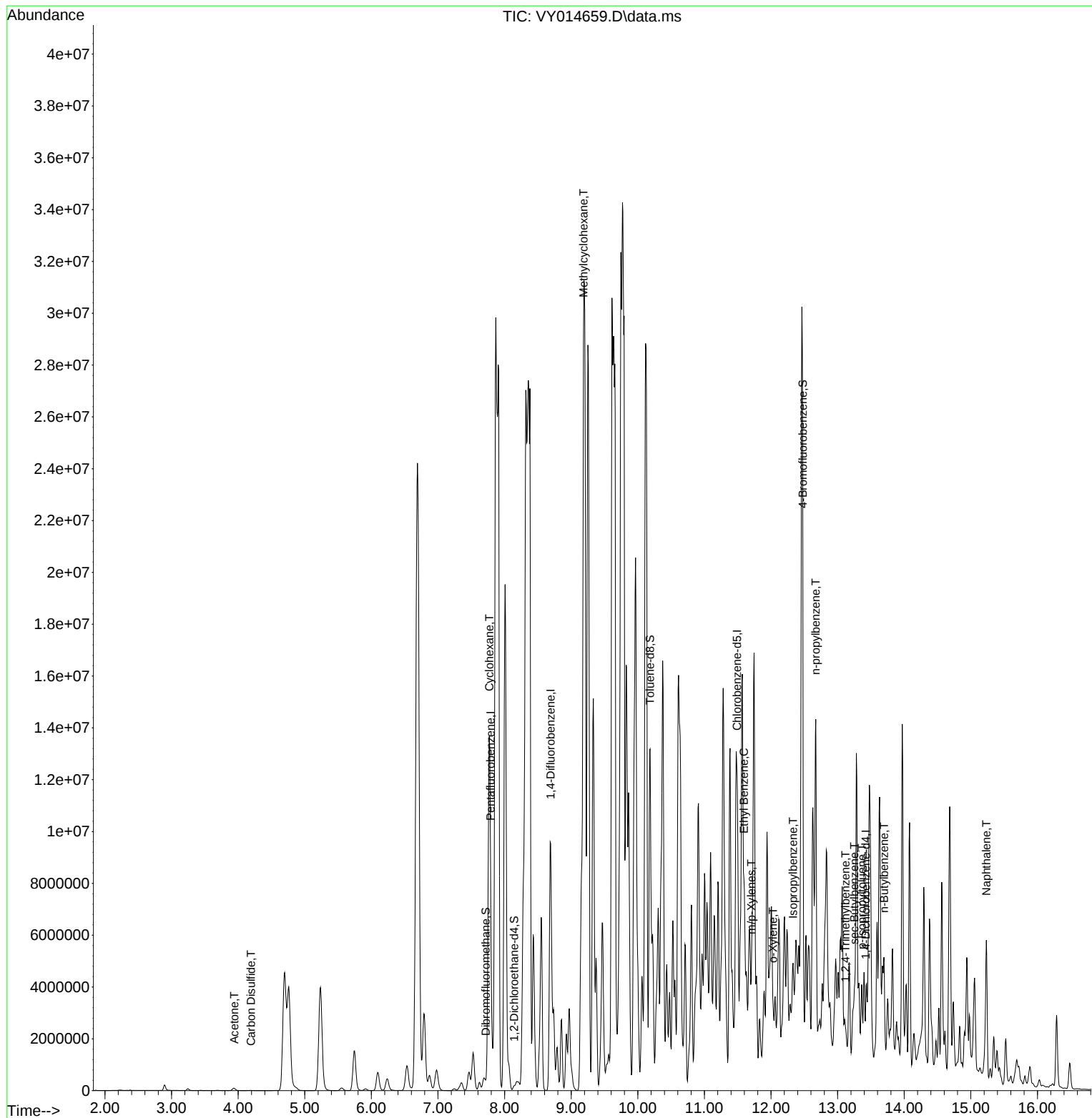
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
Data File : VY014659.D
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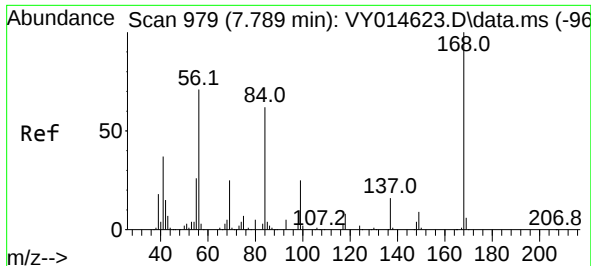
Instrument :
MSVOA_Y
ClientSampleId :
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Quant Time: Jul 14 23:16:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
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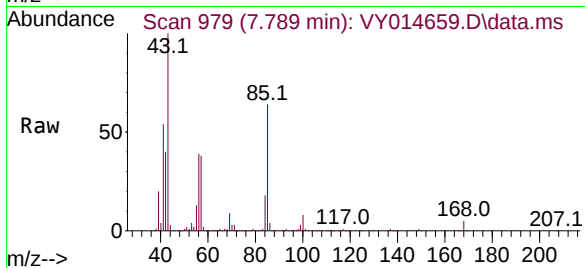
Reviewed By :Mahesh Dadoda 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014659.D
Acq: 14 Jul 2023 19:50

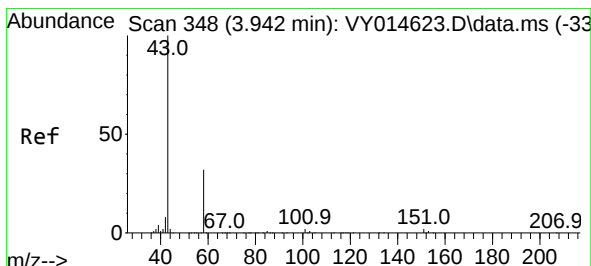
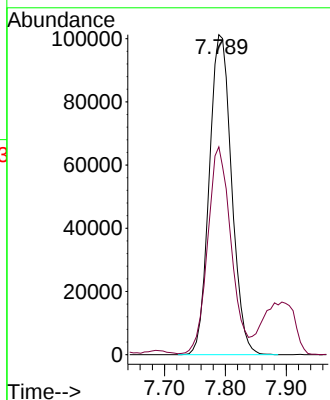
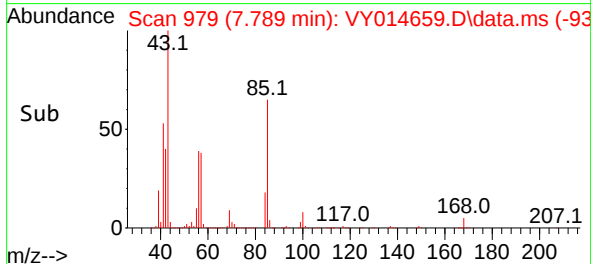
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)



Tgt Ion:168 Resp: 257792
Ion Ratio Lower Upper
168 100
99 64.6 43.4 65.0

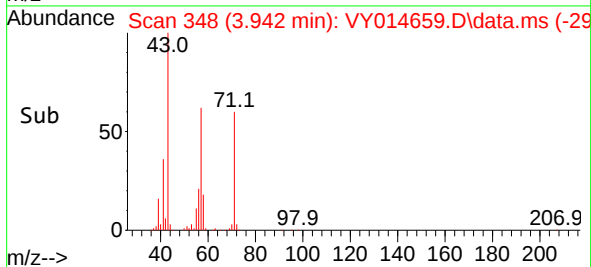
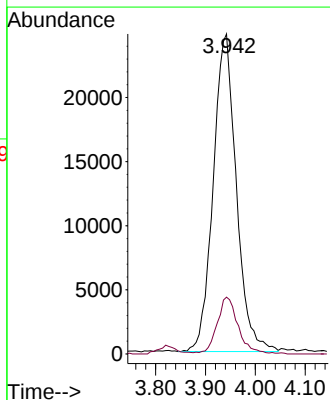
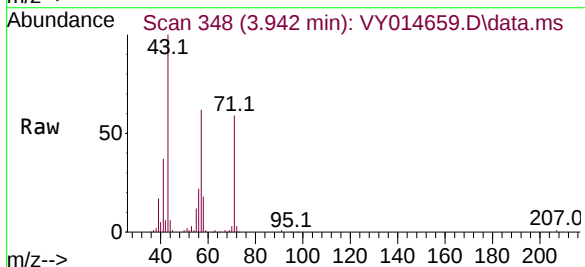
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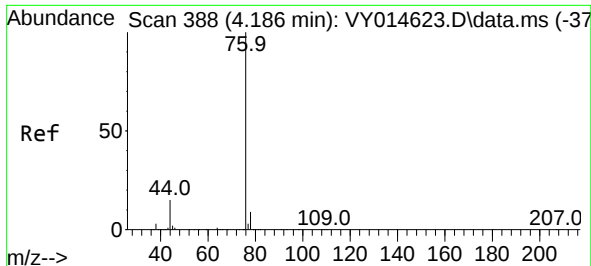
Reviewed By :Mahesh Dadoda 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#16
Acetone
Concen: 85.739 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014659.D
Acq: 14 Jul 2023 19:50

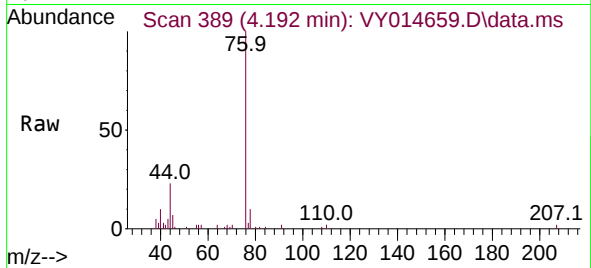
Tgt Ion: 43 Resp: 79815
Ion Ratio Lower Upper
43 100
58 17.6 22.7 34.1#





#17
Carbon Disulfide
Concen: 2.205 ug/l
RT: 4.192 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014659.D
Acq: 14 Jul 2023 19:50

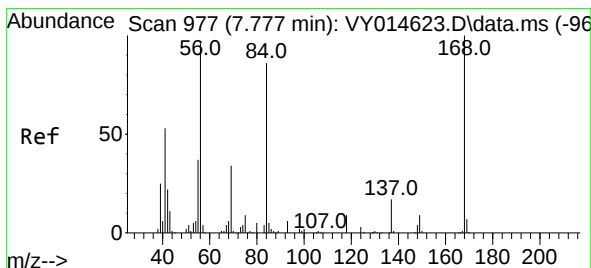
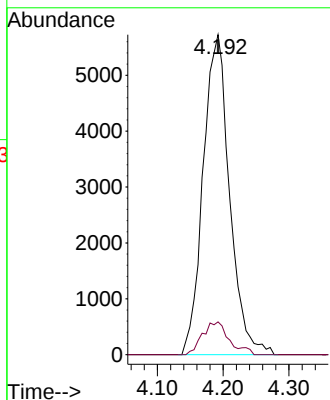
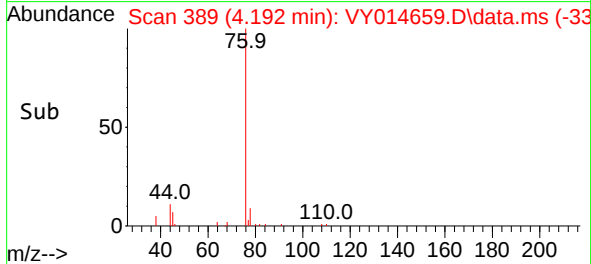
Instrument :
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Tgt Ion: 76 Resp: 1602
Ion Ratio Lower Upper
76 100
78 10.3 7.0 10.4

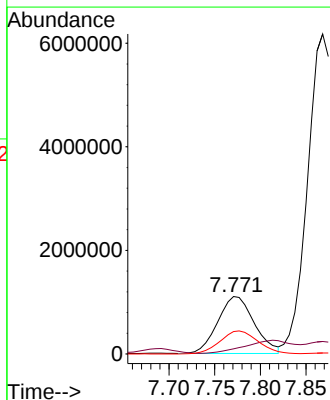
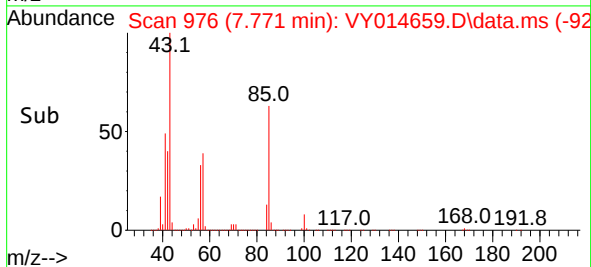
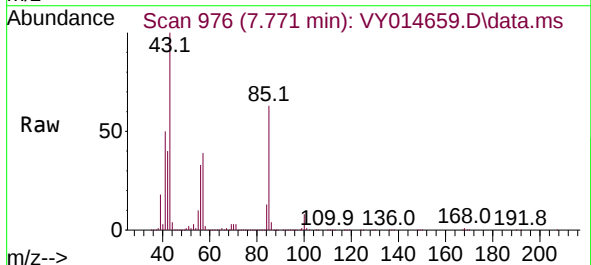
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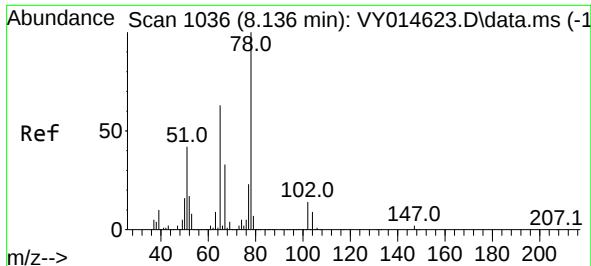
Reviewed By :Mahesh Dadoda 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#31
Cyclohexane
Concen: 626.100 ug/l
RT: 7.771 min Scan# 976
Delta R.T. -0.006 min
Lab File: VY014659.D
Acq: 14 Jul 2023 19:50

Tgt Ion: 56 Resp: 3053182
Ion Ratio Lower Upper
56 100
69 4.4 27.8 41.6#
84 39.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 46.203 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Instrument :

MSVOA_Y

ClientSampleId :

SB-09-(3-5)

Tgt Ion: 65 Resp: 13572

Ion Ratio Lower Upper

65 100

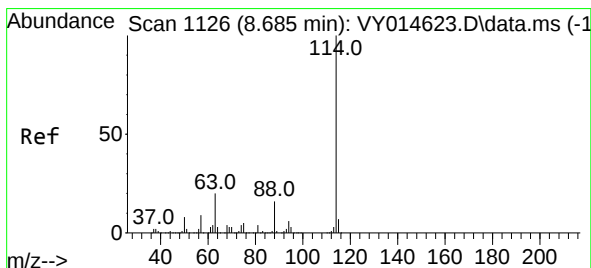
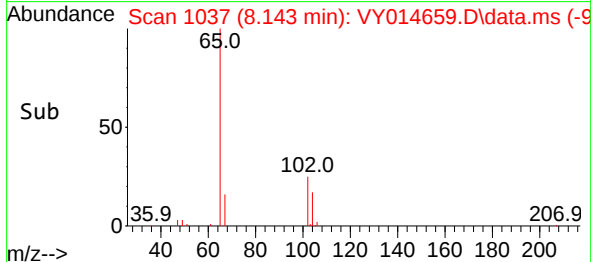
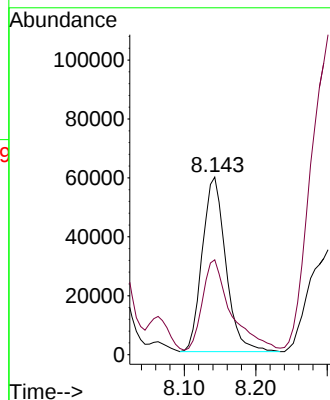
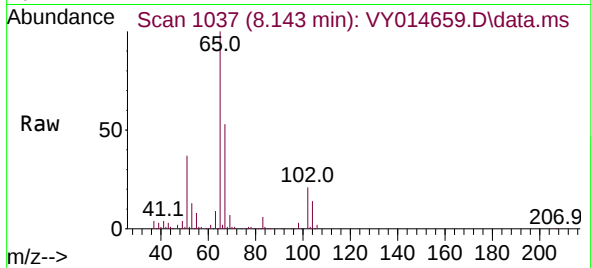
67 62.5 0.0 101.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

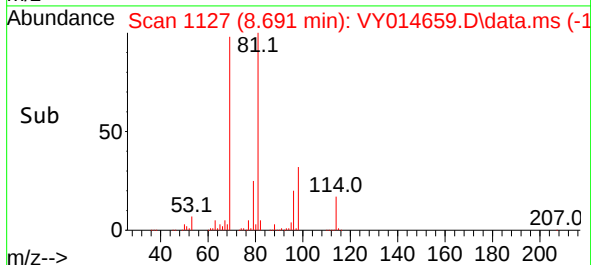
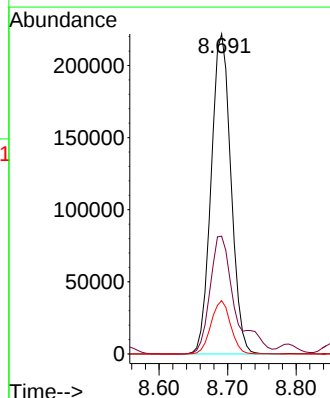
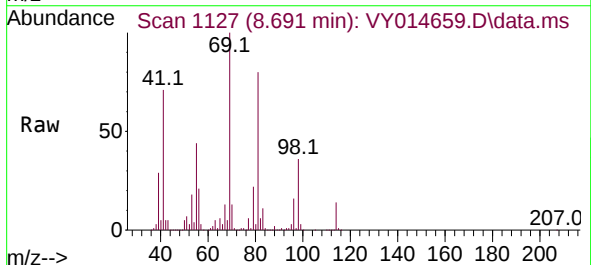
Tgt Ion:114 Resp: 444696

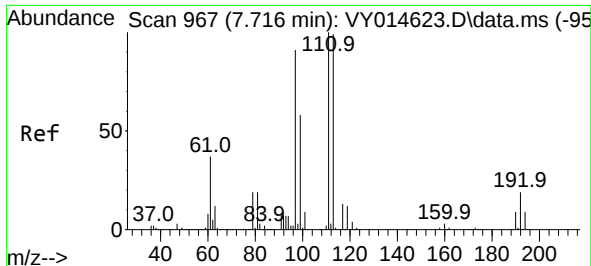
Ion Ratio Lower Upper

114 100

63 36.8 0.0 42.4

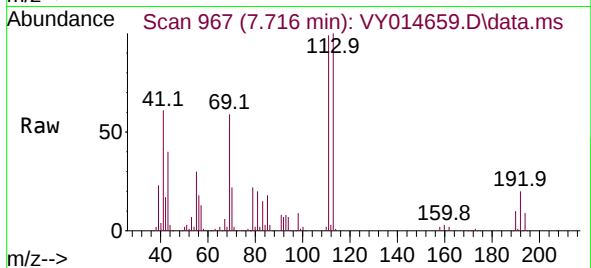
88 16.7 0.0 30.6





#35
Dibromofluoromethane
Concen: 48.213 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY014659.D
Acq: 14 Jul 2023 19:50

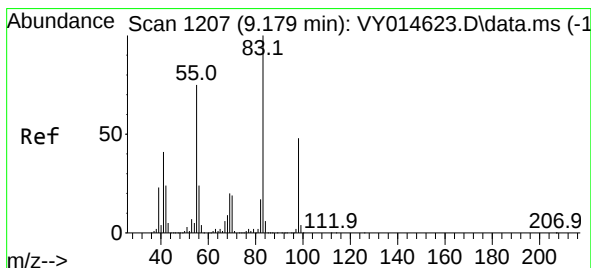
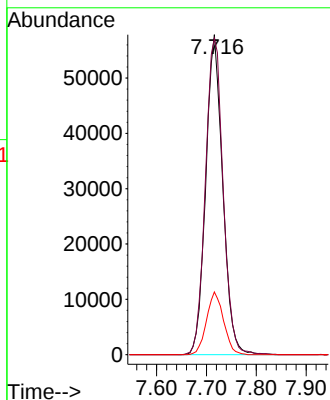
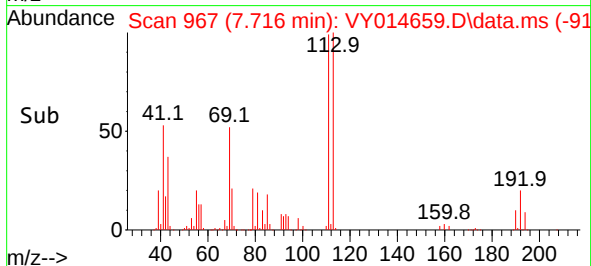
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)



Tgt Ion:113 Resp: 136484
Ion Ratio Lower Upper
113 100
111 103.5 81.3 121.9
192 19.7 16.9 25.3

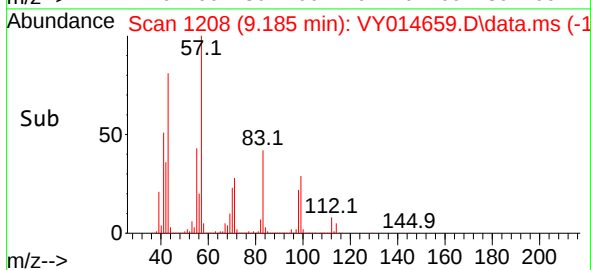
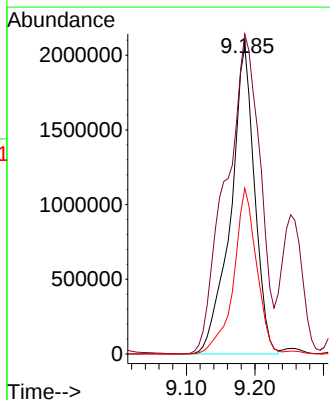
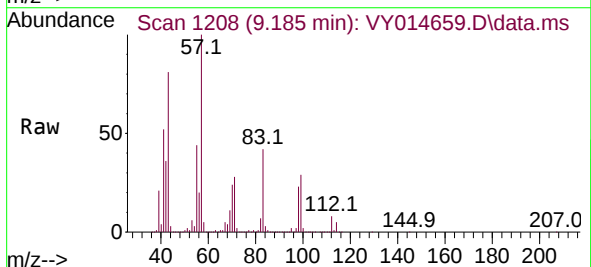
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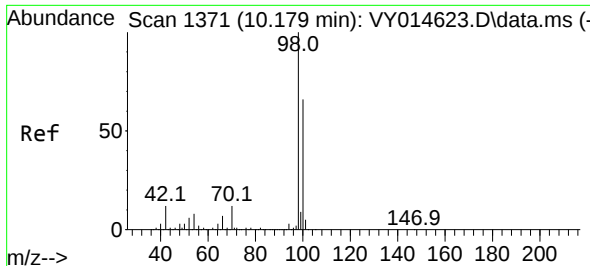
Reviewed By :Mahesh Dadoda 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#39
Methylcyclohexane
Concen: 910.424 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.006 min
Lab File: VY014659.D
Acq: 14 Jul 2023 19:50

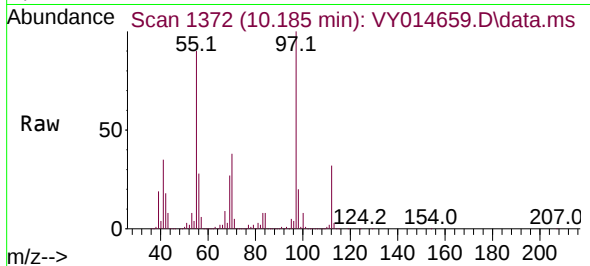
Tgt Ion: 83 Resp: 5021292
Ion Ratio Lower Upper
83 100
55 103.9 63.0 94.4#
98 53.8 37.4 56.2





#50
Toluene-d8
Concen: 99.762 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014659.D
Acq: 14 Jul 2023 19:50

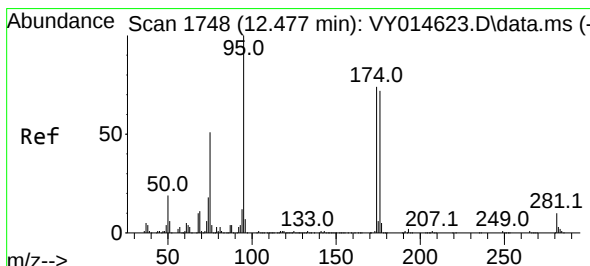
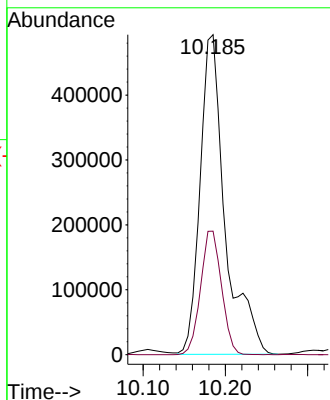
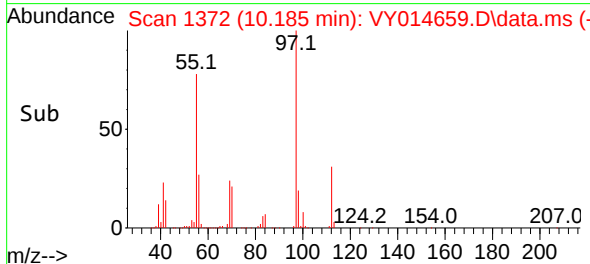
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)



Tgt Ion: 98 Resp: 104118
Ion Ratio Lower Upper
98 100
100 32.4 50.1 75.1

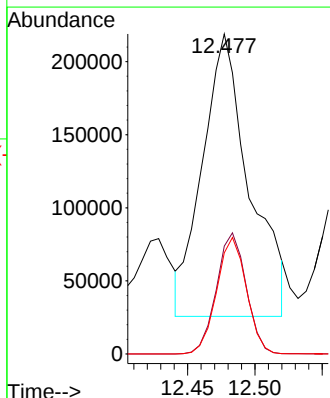
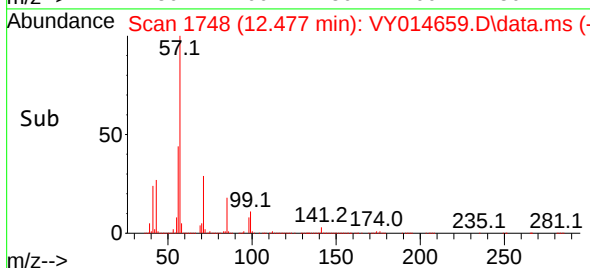
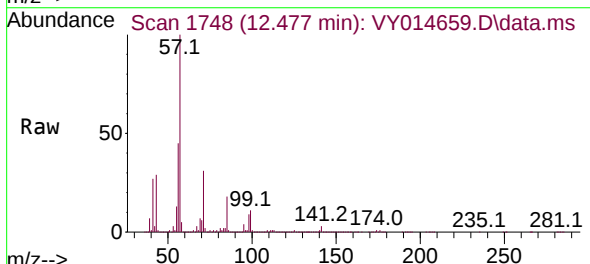
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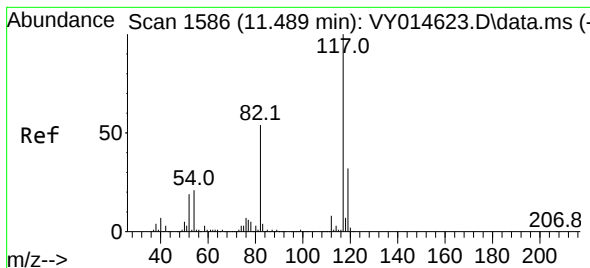
Reviewed By :Mahesh Dadoda 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#62
4-Bromofluorobenzene
Concen: 117.080 ug/l m
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014659.D
Acq: 14 Jul 2023 19:50

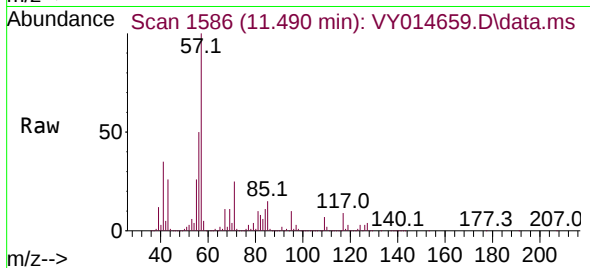
Tgt Ion: 95 Resp: 468533
Ion Ratio Lower Upper
95 100
174 0.0 0.0 178.2
176 0.0 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY014659.D
Acq: 14 Jul 2023 19:50

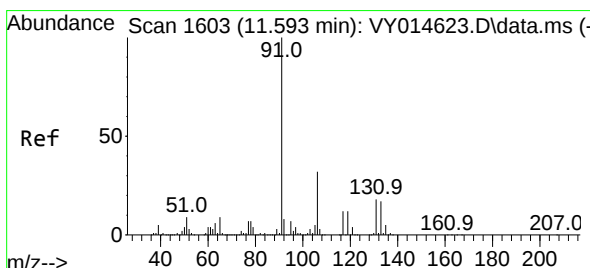
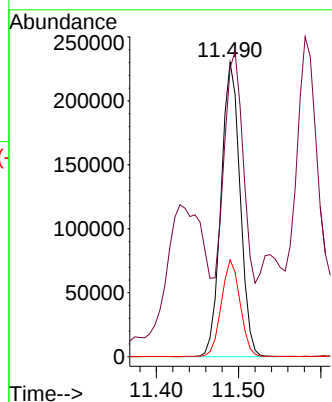
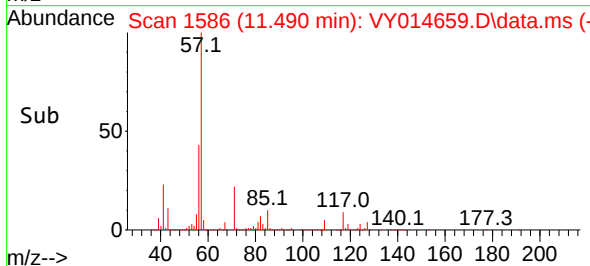
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)



Tgt Ion:117 Resp: 371107
Ion Ratio Lower Upper
117 100
82 67.8 43.4 65.0
119 32.8 26.3 39.5

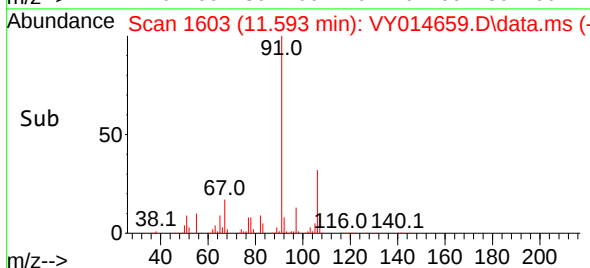
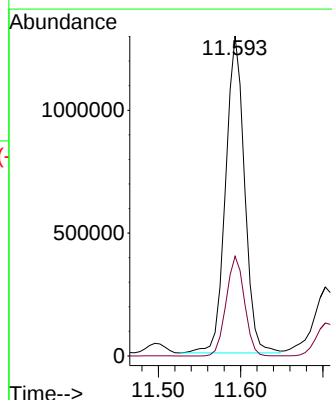
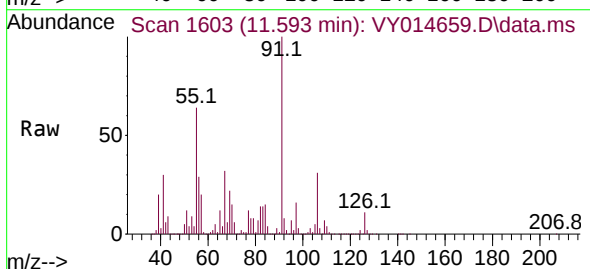
Manual Integrations
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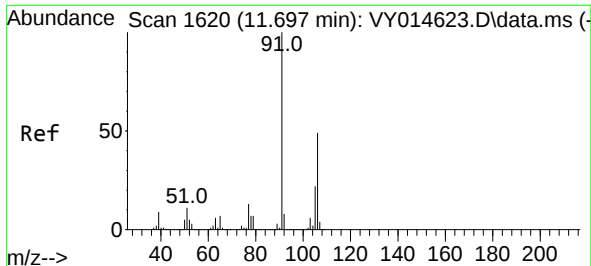
Reviewed By :Mahesh Dadoda 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#67
Ethyl Benzene
Concen: 145.029 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY014659.D
Acq: 14 Jul 2023 19:50

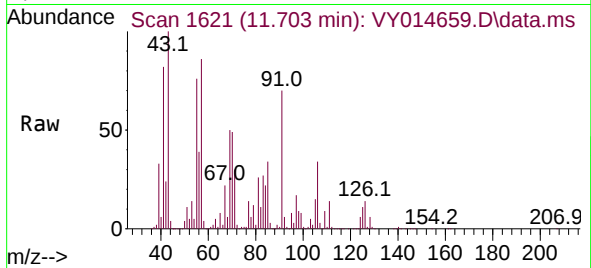
Tgt Ion: 91 Resp: 2070765
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8





#68
m/p-Xylenes
Concen: 43.936 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VY014659.D
Acq: 14 Jul 2023 19:50

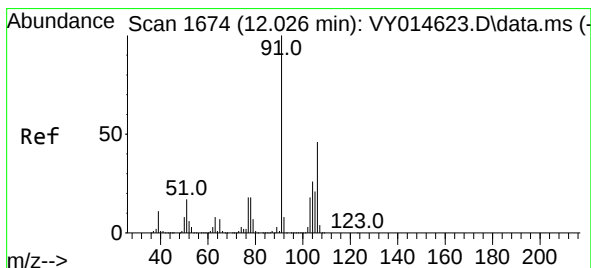
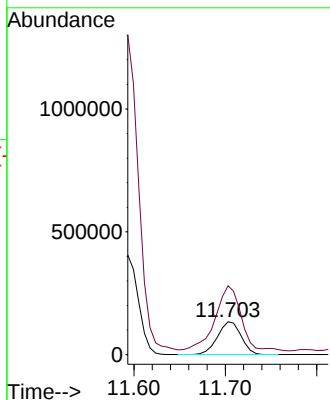
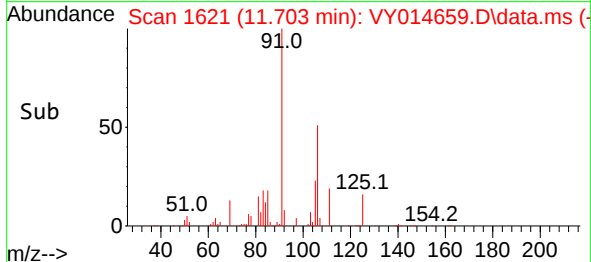
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)



Tgt Ion:106 Resp: 239460
Ion Ratio Lower Upper
106 100
91 221.1 166.1 249.1

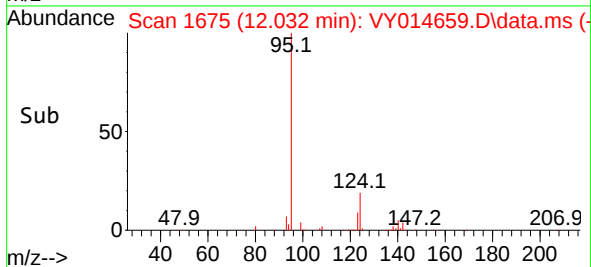
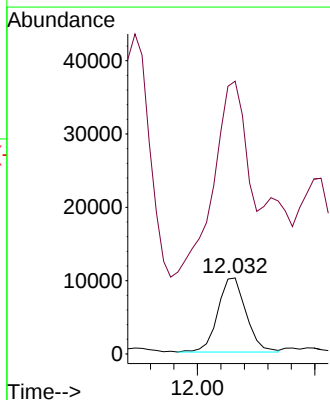
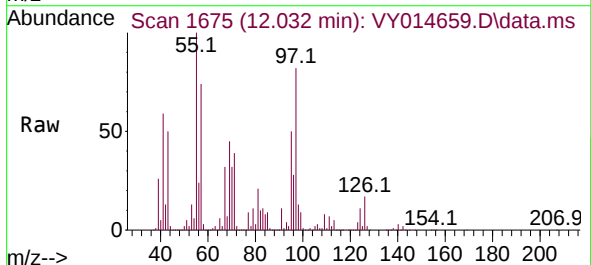
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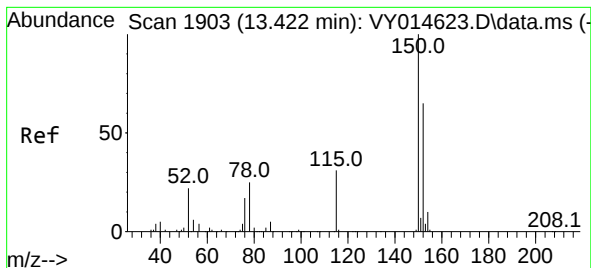
Reviewed By :Mahesh Dadoda 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#69
o-Xylene
Concen: 3.172 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY014659.D
Acq: 14 Jul 2023 19:50

Tgt Ion:106 Resp: 16837
Ion Ratio Lower Upper
106 100
91 344.3 108.1 324.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Instrument :

MSVOA_Y

ClientSampleId :

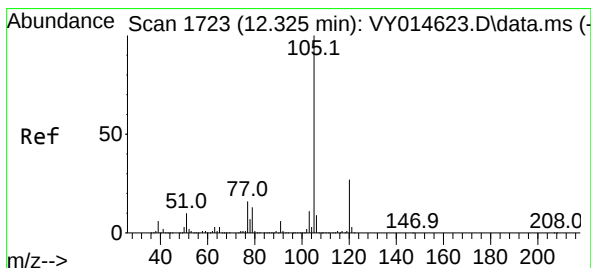
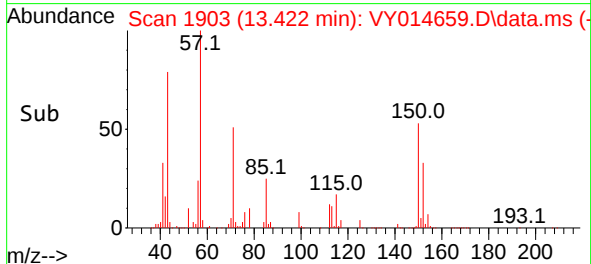
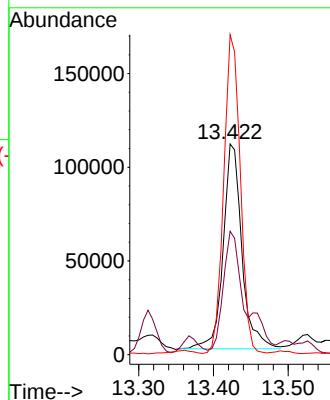
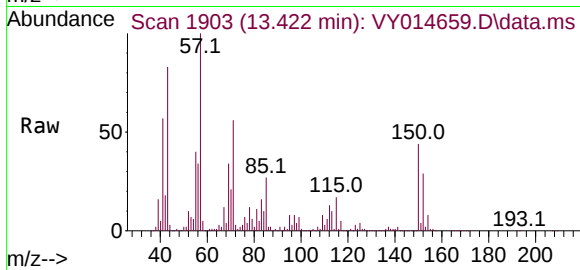
SB-09-(3-5)

Tgt Ion:152 Resp: 19094
 Ion Ratio Lower Upper
 152 100
 115 66.6 28.8 86.5
 150 137.1 0.0 348.8

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Reviewed By :Mahesh Dadoda 07/17/2023
 Supervised By :Semsettin Yesilyurt 07/17/2023



#73

Isopropylbenzene

Concen: 109.783 ug/l

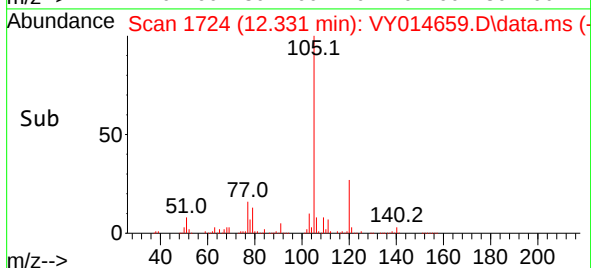
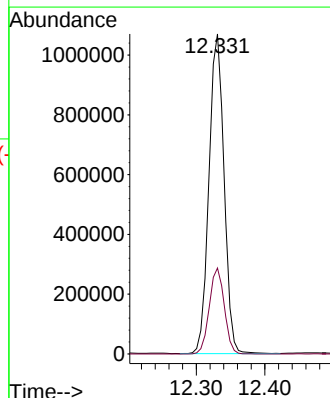
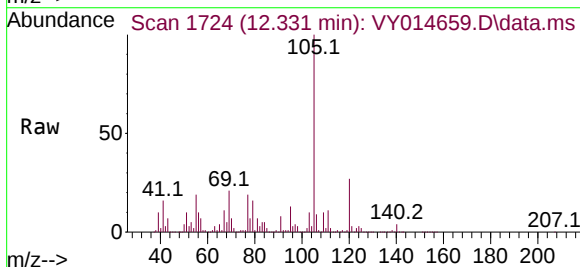
RT: 12.331 min Scan# 1724

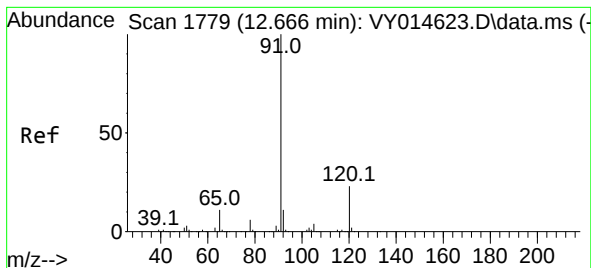
Delta R.T. 0.006 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Tgt Ion:105 Resp: 1641338
 Ion Ratio Lower Upper
 105 100
 120 26.6 13.3 39.9





#78

n-propylbenzene

Concen: 449.872 ug/l

RT: 12.672 min Scan# 1779

Delta R.T. 0.006 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Instrument :

MSVOA_Y

ClientSampleId :

SB-09-(3-5)

Tgt Ion: 91 Resp: 8104810

Ion Ratio Lower Upper

91 100

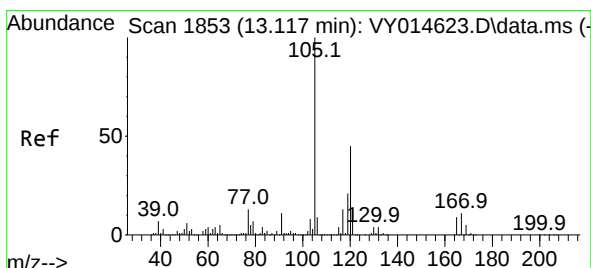
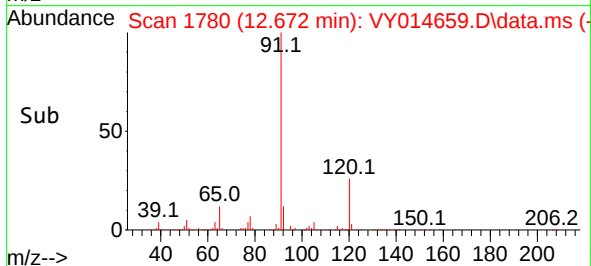
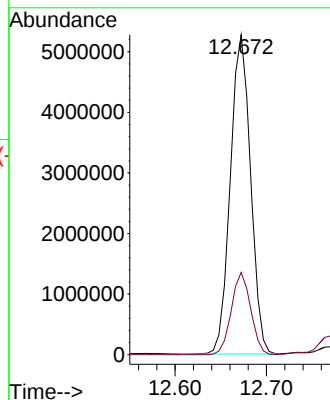
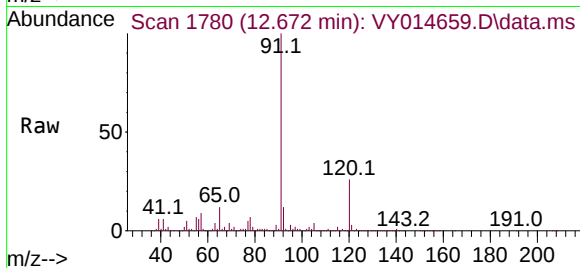
120 24.6 11.5 34.4

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Reviewed By :Mahesh Dadoda 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#84

1,2,4-Trimethylbenzene

Concen: 30.021 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY014659.D

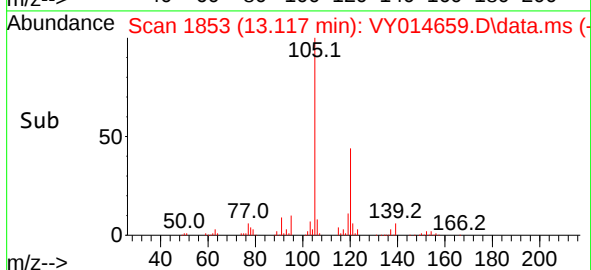
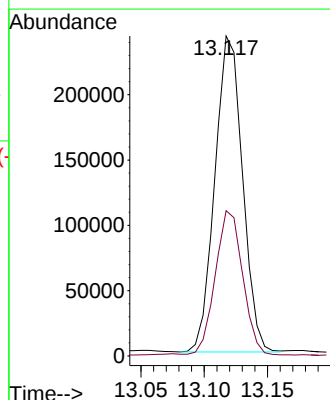
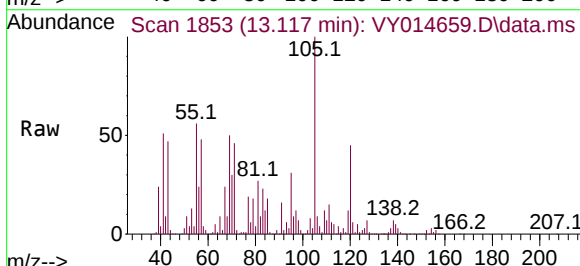
Acq: 14 Jul 2023 19:50

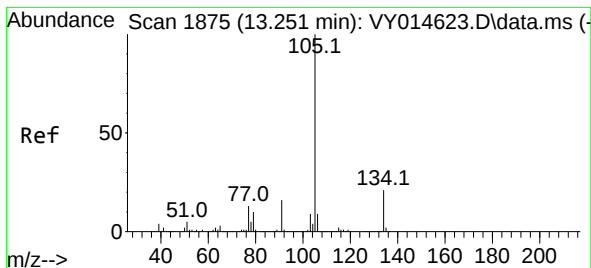
Tgt Ion:105 Resp: 367864

Ion Ratio Lower Upper

105 100

120 46.3 22.2 66.6





#85

sec-Butylbenzene

Concen: 47.162 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Instrument :

MSVOA_Y

ClientSampleId :

SB-09-(3-5)

Tgt Ion:105 Resp: 766279

Ion Ratio Lower Upper

105 100

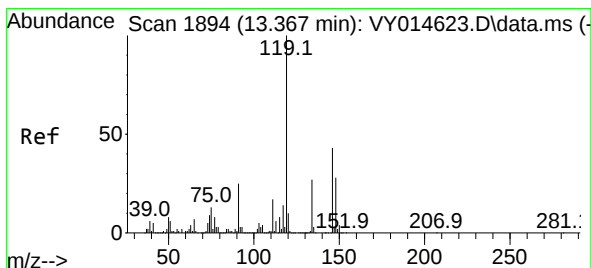
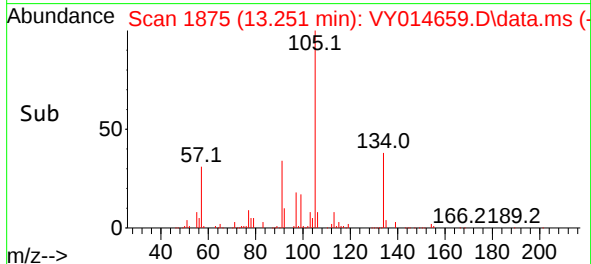
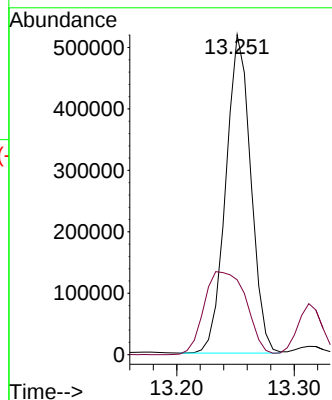
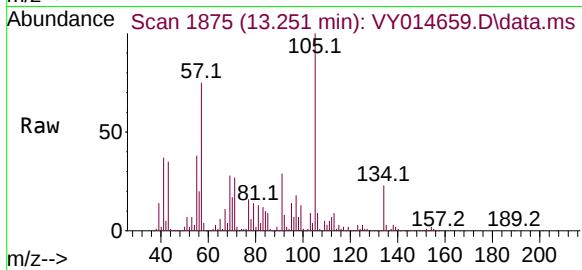
134 43.8 10.2 30.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#86

p-Isopropyltoluene

Concen: 12.492 ug/l m

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

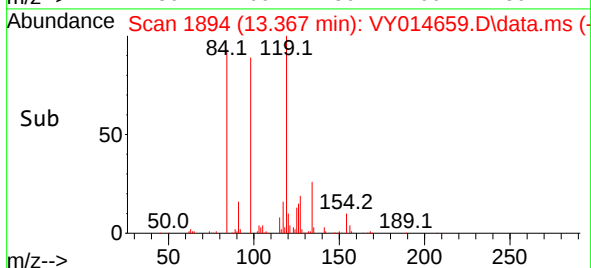
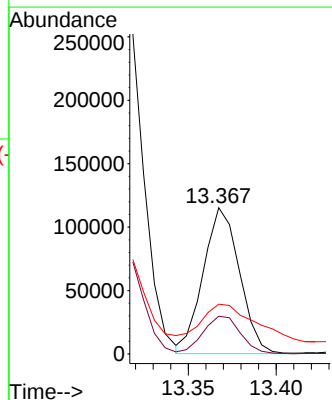
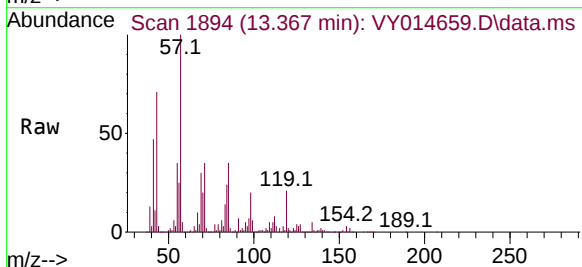
Tgt Ion:119 Resp: 165711

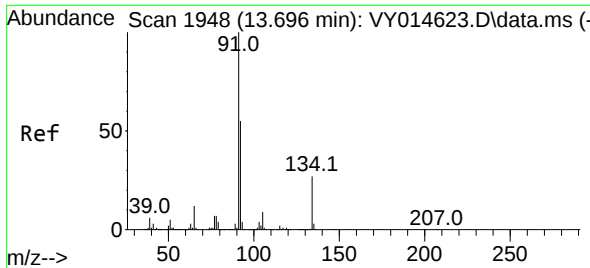
Ion Ratio Lower Upper

119 100

134 72.8 13.3 39.8#

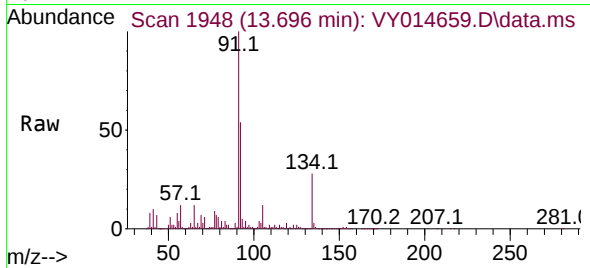
91 64.7 12.4 37.4#





#89
n-Butylbenzene
Concen: 164.947 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY014659.D
Acq: 14 Jul 2023 19:50

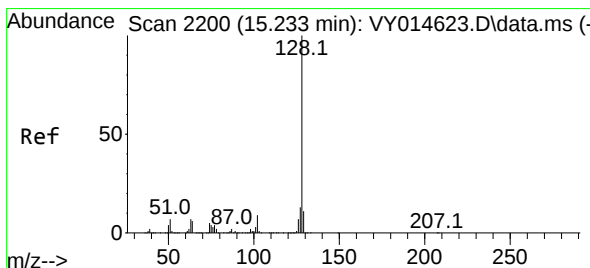
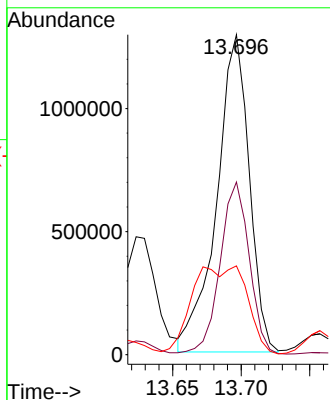
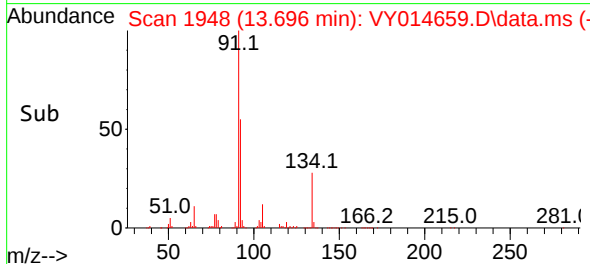
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)



Tgt Ion: 91 Resp: 2128852
Ion Ratio Lower Upper
91 100
92 48.5 25.4 76.0
134 0.0 12.6 37.6

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#95
Naphthalene
Concen: 440.062 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY014659.D
Acq: 14 Jul 2023 19:50

Tgt Ion:128 Resp: 3960512
Ion Ratio Lower Upper
128 100
127 14.3 10.8 16.2
129 11.2 8.6 13.0

