

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041822\
 Data File : VY008383.D
 Acq On : 18 Apr 2022 19:03
 Operator : KP/MD
 Sample : N2452-03
 Misc : 4.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-15-1-3-GR

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/20/2022
 Supervised By :Mahesh Dadoda 04/20/2022

Quant Time: Apr 19 06:32:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	79269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	134278	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	96292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	47956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	41467	55.691	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.380%			
35) Dibromofluoromethane	7.722	113	41879	53.998	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.000%			
50) Toluene-d8	10.179	98	169596	63.906	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 127.820%			
62) 4-Bromofluorobenzene	12.477	95	76837	76.978	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 153.960%#			
Target Compounds					Qvalue	
16) Acetone	3.948	43	19386	108.246	ug/l	93
17) Carbon Disulfide	4.192	76	5836	2.829	ug/l	97
25) 2-Butanone	6.984	43	9276	33.124	ug/l #	87
31) Cyclohexane	7.783	56	18317	13.604	ug/l #	71
39) Methylcyclohexane	9.185	83	114198	71.666	ug/l #	86
52) Toluene	10.240	92	3137	1.291	ug/l	98
67) Ethyl Benzene	11.593	91	15390	4.334	ug/l	98
68) m/p-Xylenes	11.703	106	20486	14.505	ug/l	87
69) o-Xylene	12.032	106	14459	10.550	ug/l	79
73) Isopropylbenzene	12.331	105	30803	8.639	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	4962	1.697	ug/l	98
83) tert-Butylbenzene	13.075	119	8530m	3.252	ug/l	
84) 1,2,4-Trimethylbenzene	13.123	105	13752	4.753	ug/l	95
85) sec-Butylbenzene	13.258	105	24526	6.307	ug/l #	69
86) p-Isopropyltoluene	13.373	119	9251	2.851	ug/l	85
89) n-Butylbenzene	13.697	91	17264	5.889	ug/l #	77

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

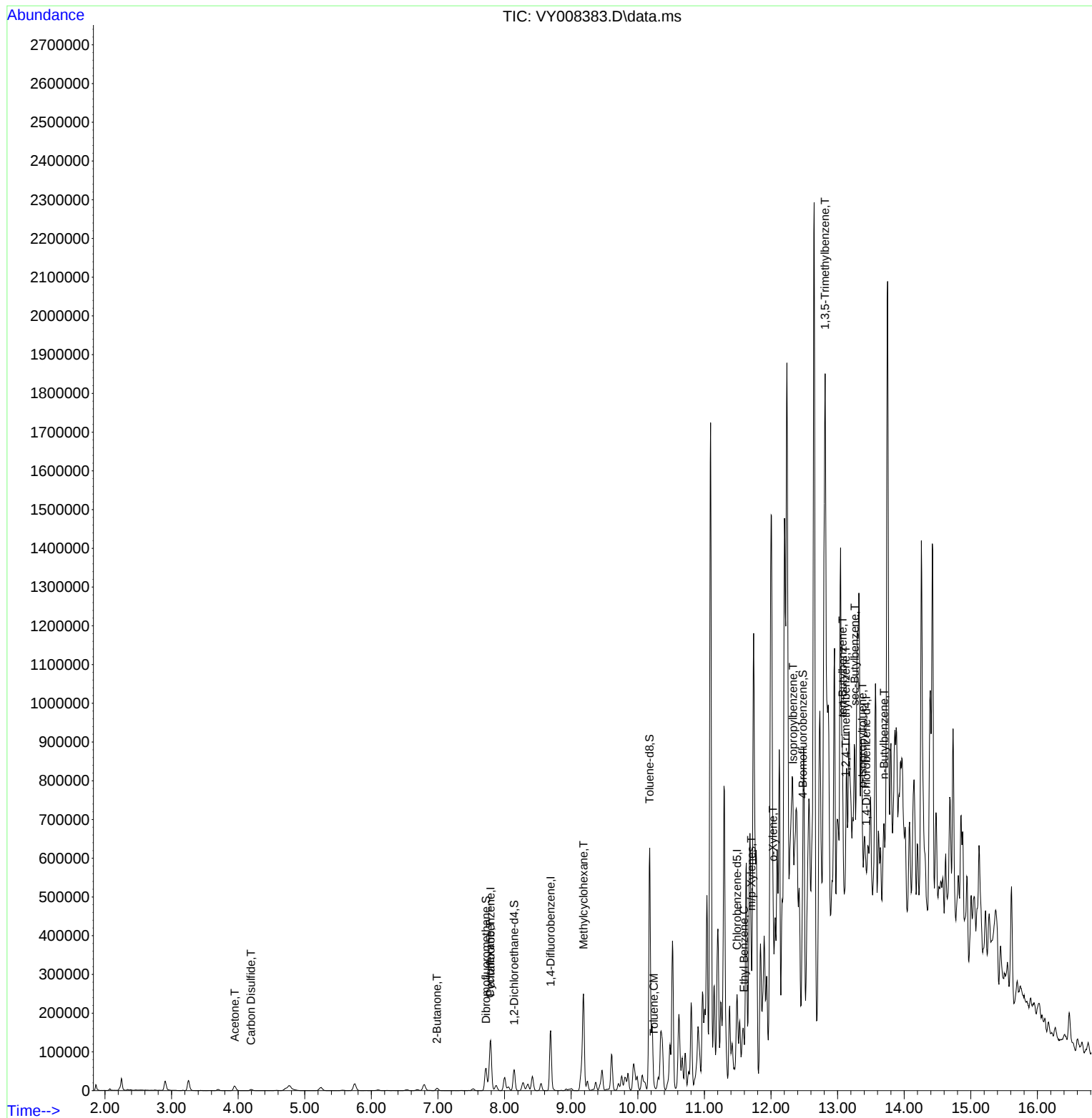
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041822\
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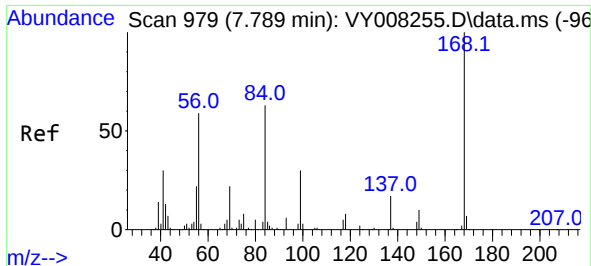
Instrument :
MSVOA_Y
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Quant Time: Apr 19 06:32:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
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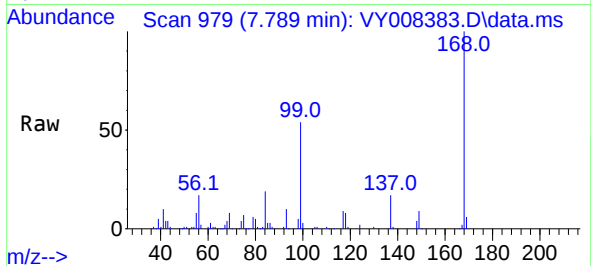
Reviewed By : Semsettin Yesilyurt 04/20/2022
Supervised By : Mahesh Dadoda 04/20/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03

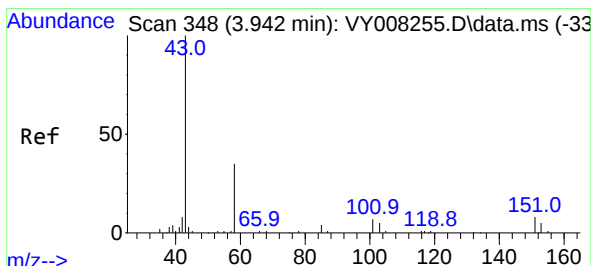
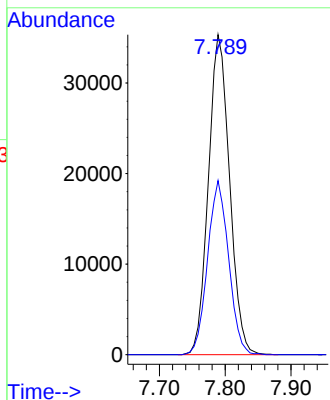
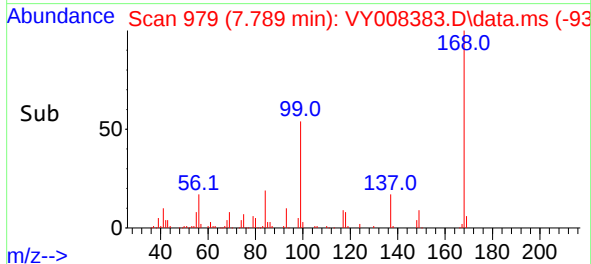
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-3-GR



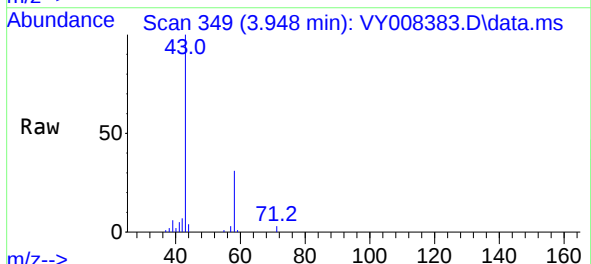
Tgt Ion:168 Resp: 79269
Ion Ratio Lower Upper
168 100
99 54.4 46.9 70.3

Manual Integrations
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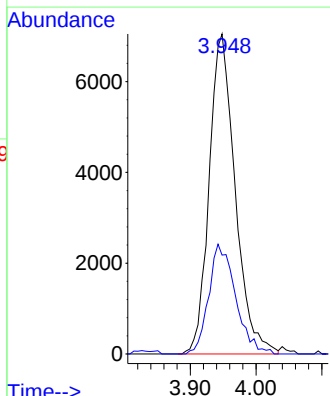
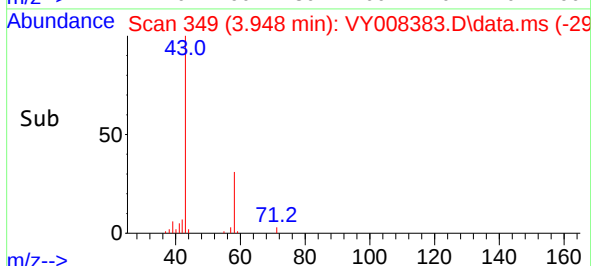
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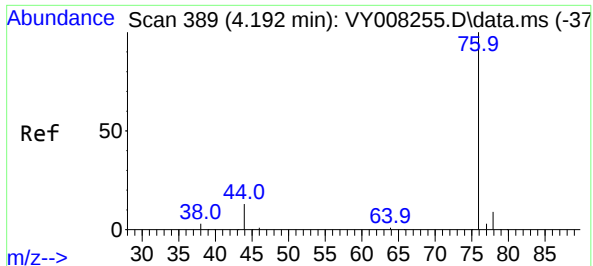


#16
Acetone
Concen: 108.246 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03



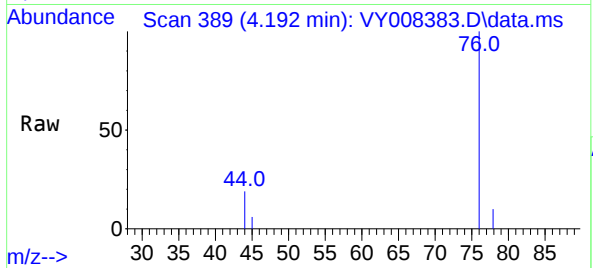
Tgt Ion: 43 Resp: 19386
Ion Ratio Lower Upper
43 100
58 30.9 22.0 33.0





#17
Carbon Disulfide
Concen: 2.829 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03

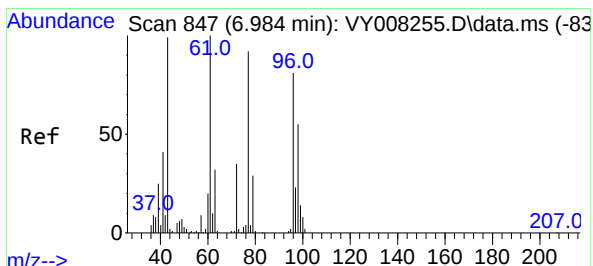
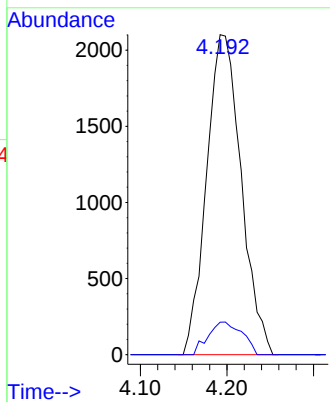
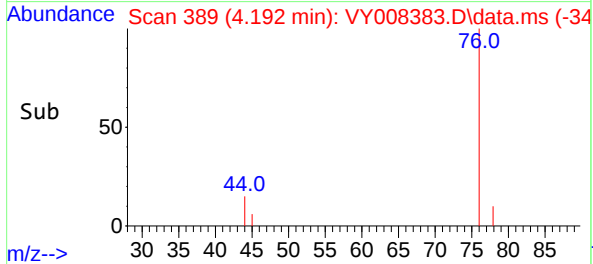
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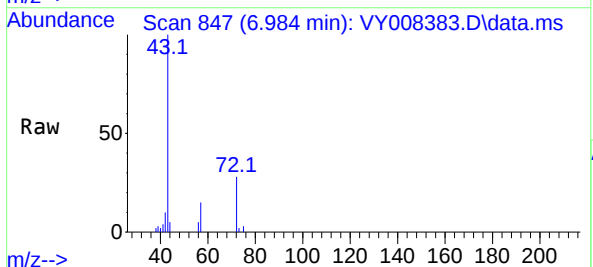
Tgt Ion: 76 Resp: 5830
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.0

Manual Integrations
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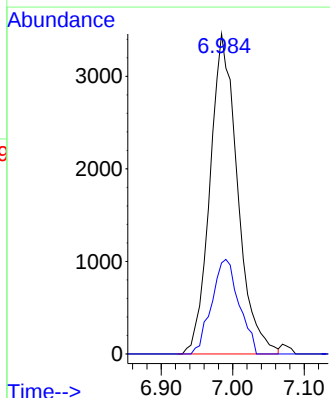
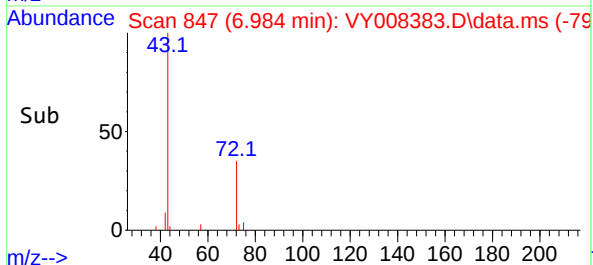
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

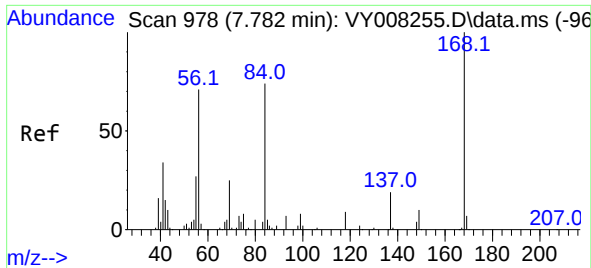


#25
2-Butanone
Concen: 33.124 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03



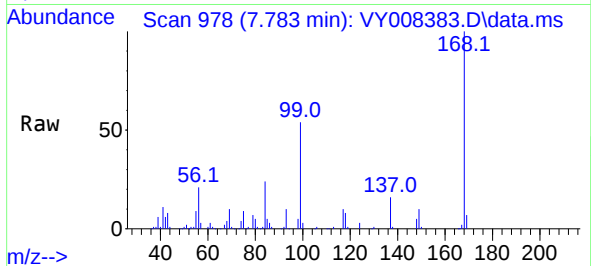
Tgt Ion: 43 Resp: 9276
Ion Ratio Lower Upper
43 100
72 28.4 17.7 26.5#





#31
Cyclohexane
Concen: 13.604 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03

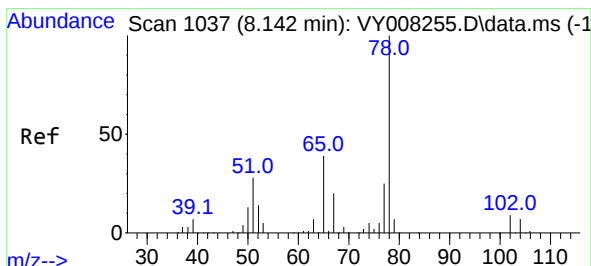
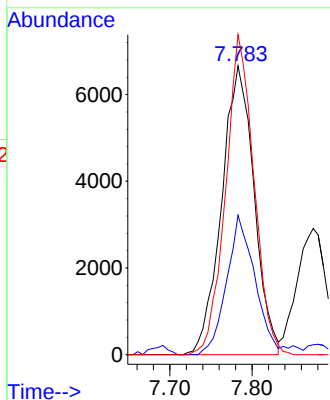
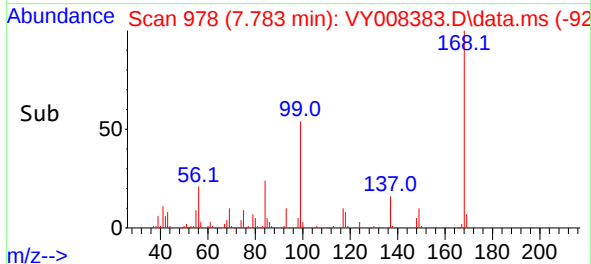
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-3-GR



Tgt Ion: 56 Resp: 1831
Ion Ratio Lower Upper
56 100
69 48.3 26.7 40.1
84 110.8 67.2 100.8

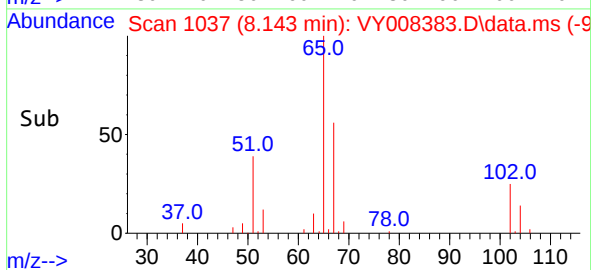
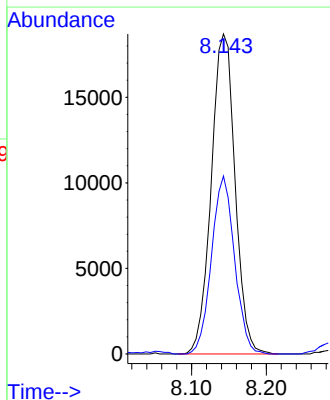
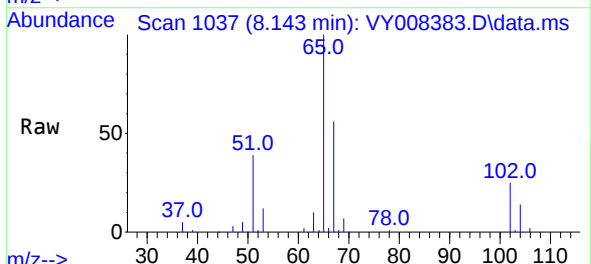
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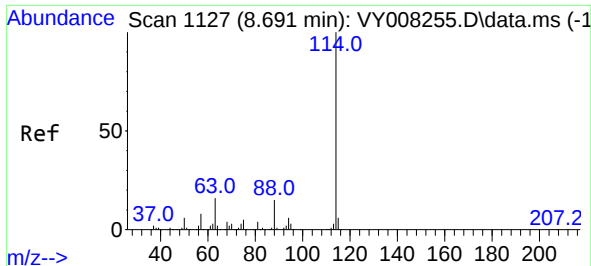
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#33
1,2-Dichloroethane-d4
Concen: 55.691 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03

Tgt Ion: 65 Resp: 41467
Ion Ratio Lower Upper
65 100
67 53.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008383.D

Acq: 18 Apr 2022 19:03

Instrument :

MSVOA_Y

ClientSampleId :

WC-15-1-3-GR

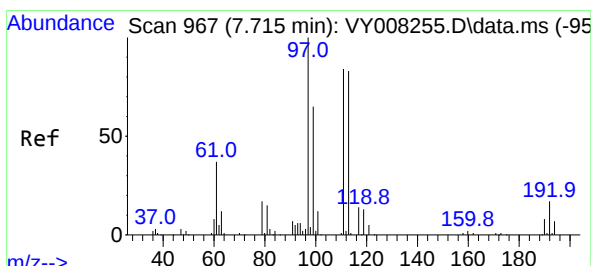
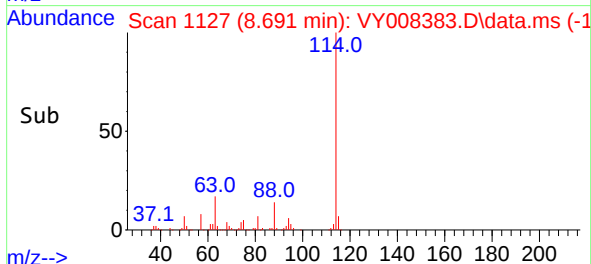
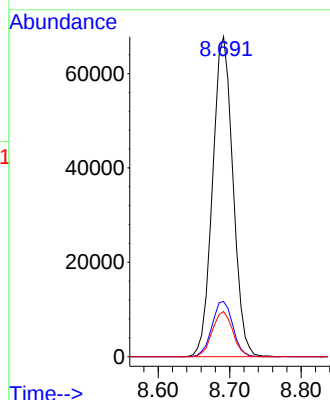
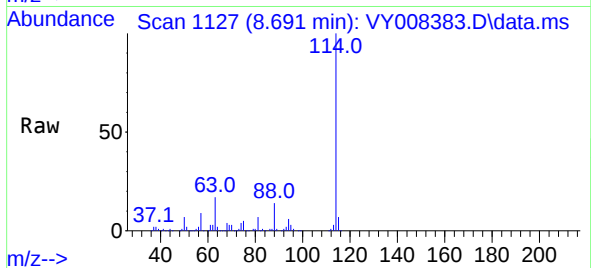
Tgt Ion:114 Resp: 134278

Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	43.2
88	14.1	0.0	31.8

Manual Integrations

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#35

Dibromofluoromethane

Concen: 53.998 ug/l

RT: 7.722 min Scan# 968

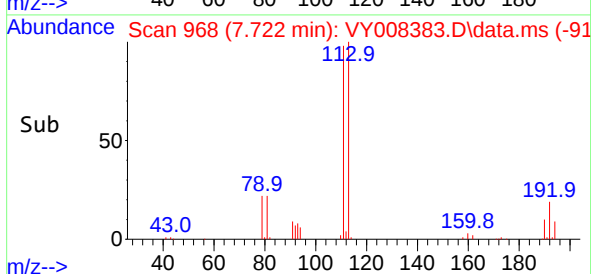
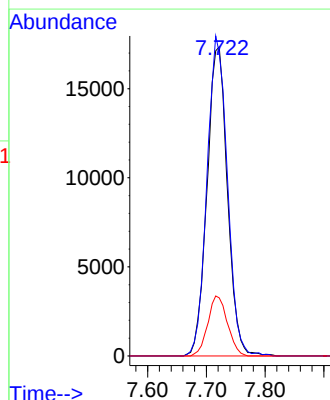
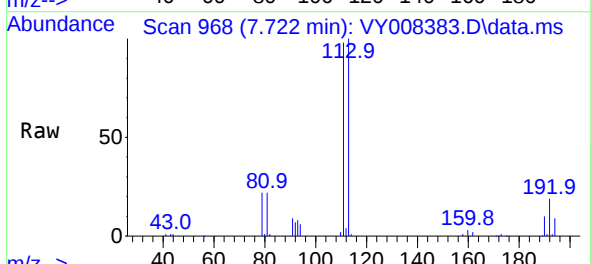
Delta R.T. 0.007 min

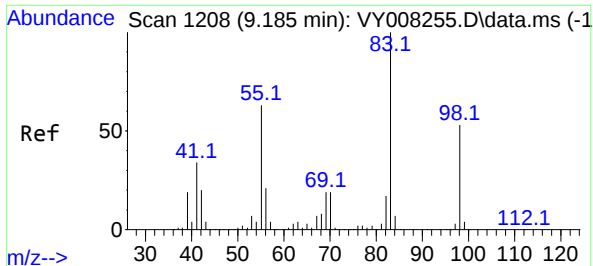
Lab File: VY008383.D

Acq: 18 Apr 2022 19:03

Tgt Ion:113 Resp: 41879

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	124.0
192	18.7	17.6	26.4





#39

Methylcyclohexane

Concen: 71.666 ug/l

RT: 9.185 min Scan# 1208

Delta R.T. 0.000 min

Lab File: VY008383.D

Acq: 18 Apr 2022 19:03

Instrument :

MSVOA_Y

ClientSampleId :

WC-15-1-3-GR

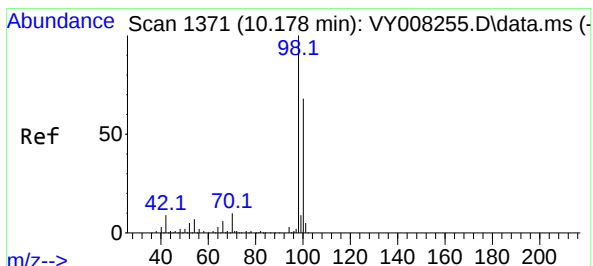
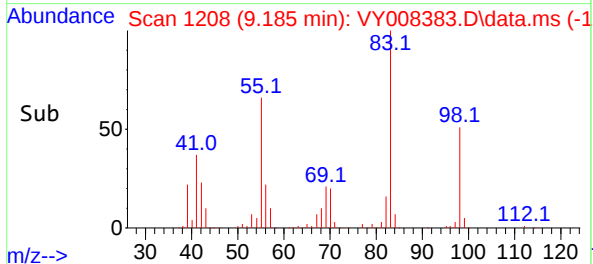
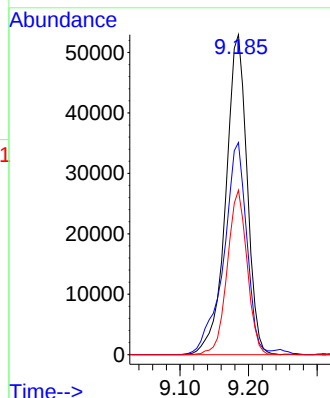
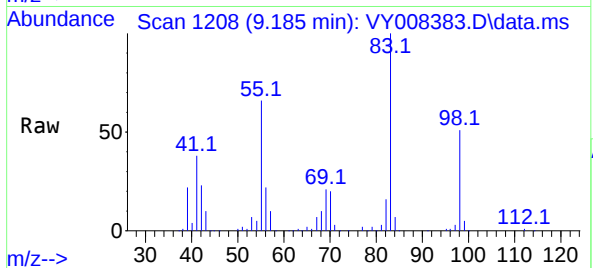
Tgt Ion: 83 Resp: 114198

Ion	Ratio	Lower	Upper
83	100		
55	66.3	66.5	99.7
98	51.4	37.9	56.9

Manual Integrations

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Supervised By :Mahesh Dadoda 04/20/2022



#50

Toluene-d8

Concen: 63.906 ug/l

RT: 10.179 min Scan# 1371

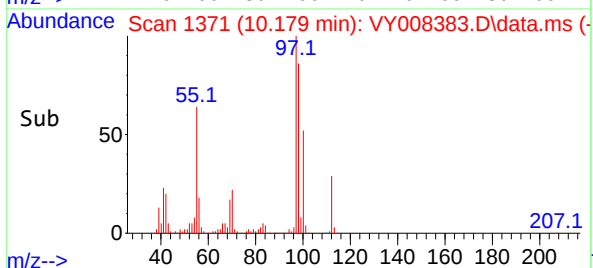
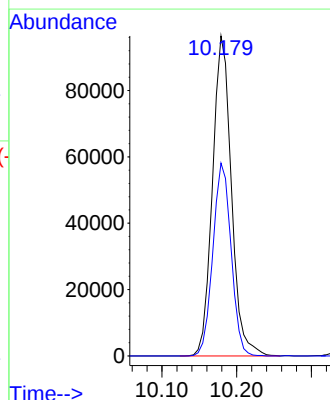
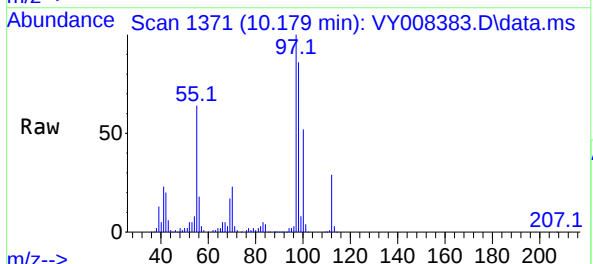
Delta R.T. 0.001 min

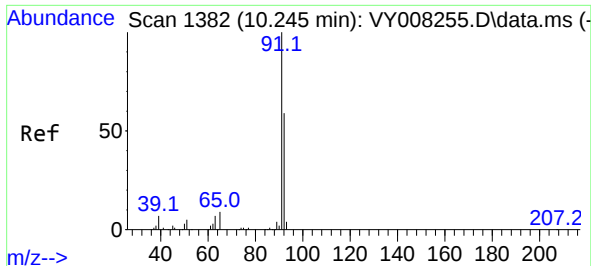
Lab File: VY008383.D

Acq: 18 Apr 2022 19:03

Tgt Ion: 98 Resp: 169596

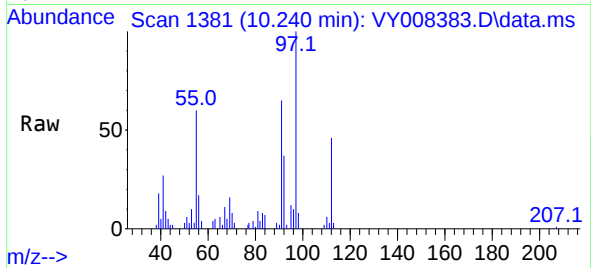
Ion	Ratio	Lower	Upper
98	100		
100	58.0	50.2	75.2





#52
Toluene
Concen: 1.291 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.005 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03

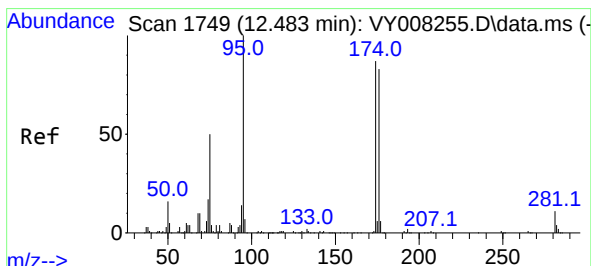
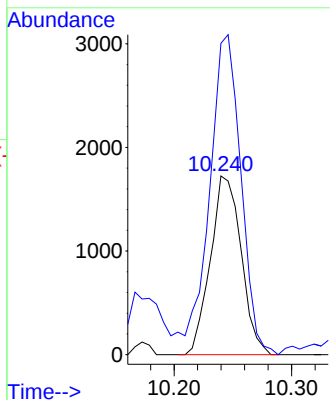
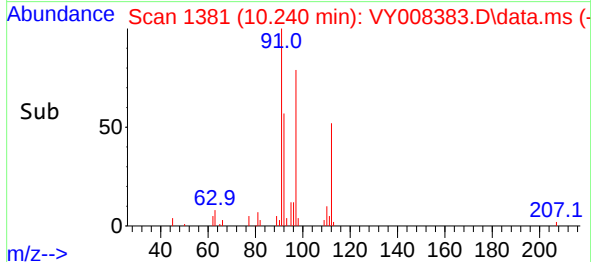
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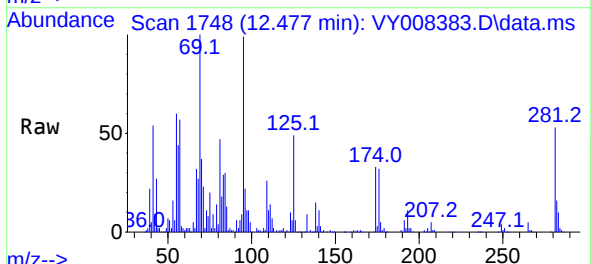
Tgt Ion: 92 Resp: 313
Ion Ratio Lower Upper
92 100
91 180.8 142.6 213.8

Manual Integrations
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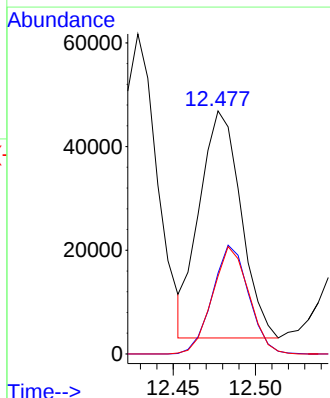
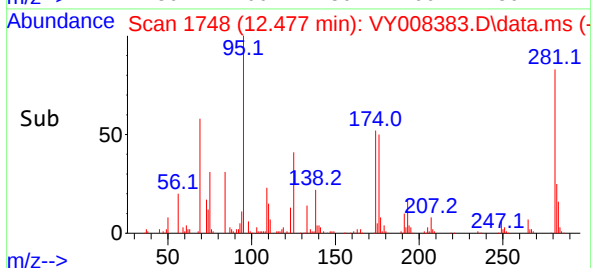
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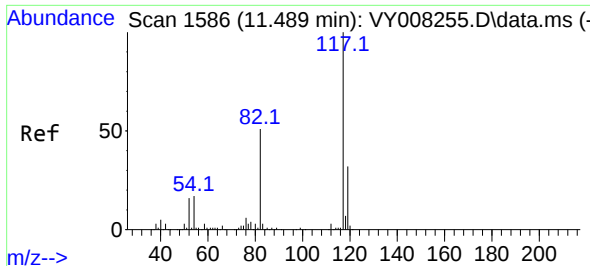


#62
4-Bromofluorobenzene
Concen: 76.978 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03



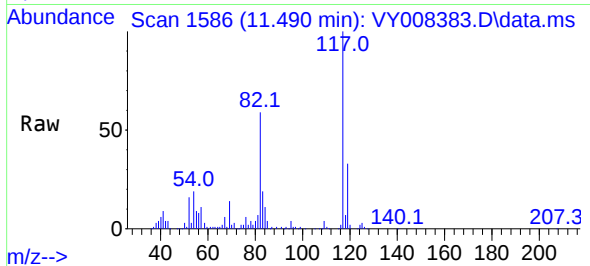
Tgt Ion: 95 Resp: 76837
Ion Ratio Lower Upper
95 100
174 42.1 0.0 177.0
176 41.4 0.0 175.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1158
Delta R.T. 0.001 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03

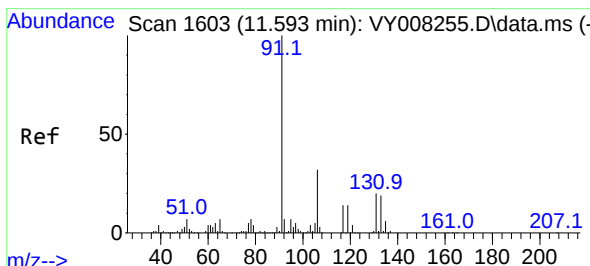
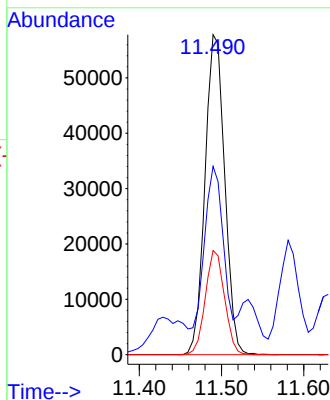
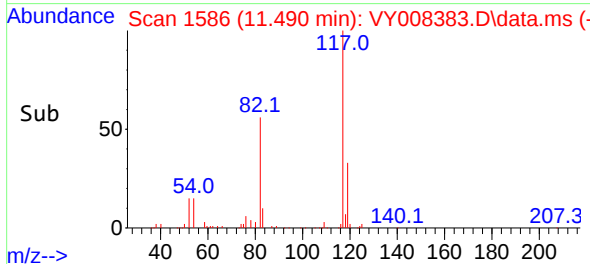
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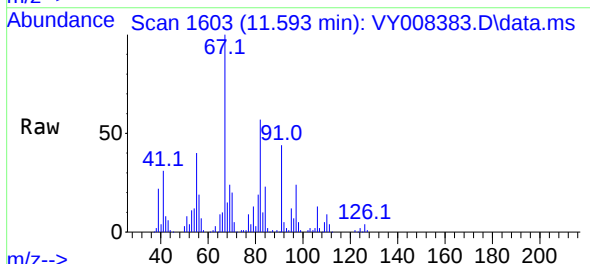
Tgt Ion:117 Resp: 96292
Ion Ratio Lower Upper
117 100
82 48.2 43.0 64.4
119 32.6 25.4 38.0

Manual Integrations
APPROVED

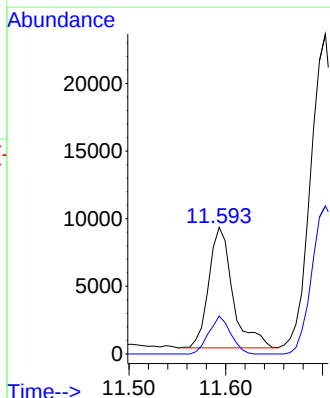
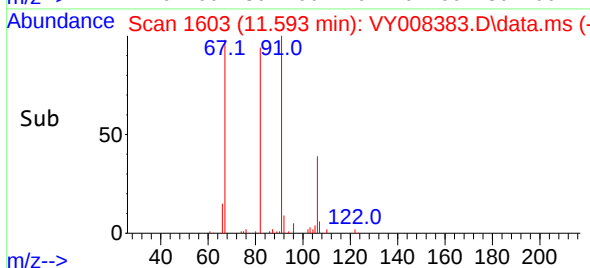
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

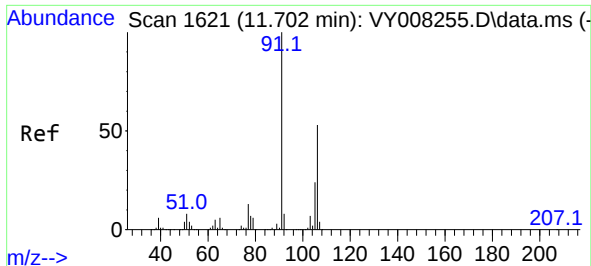


#67
Ethyl Benzene
Concen: 4.334 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03



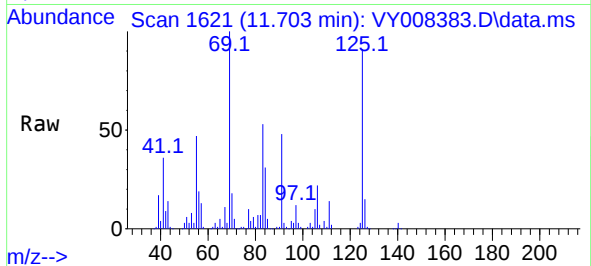
Tgt Ion: 91 Resp: 15390
Ion Ratio Lower Upper
91 100
106 31.5 24.5 36.7





#68
m/p-Xylenes
Concen: 14.505 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.001 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03

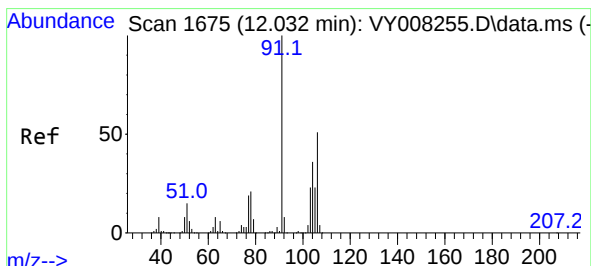
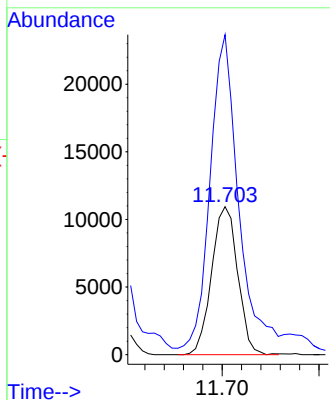
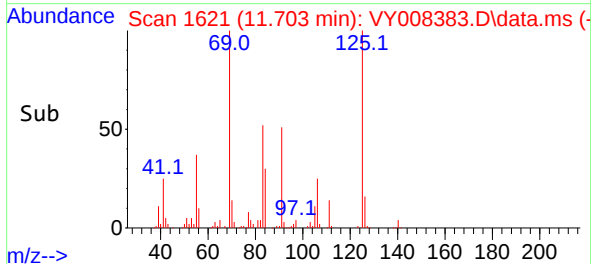
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-3-GR



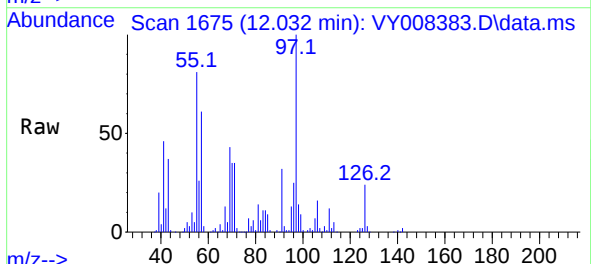
Tgt Ion:106 Resp: 20480
Ion Ratio Lower Upper
106 100
91 228.2 166.6 249.8

Manual Integrations
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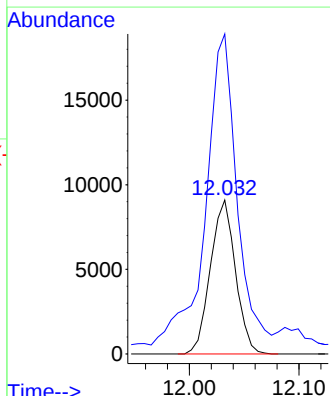
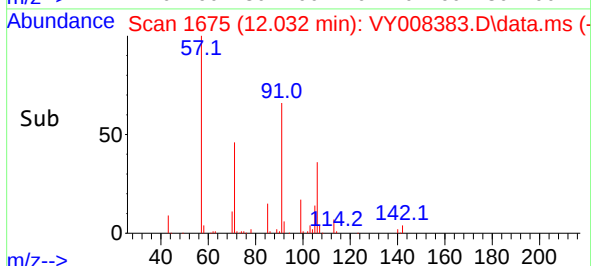
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

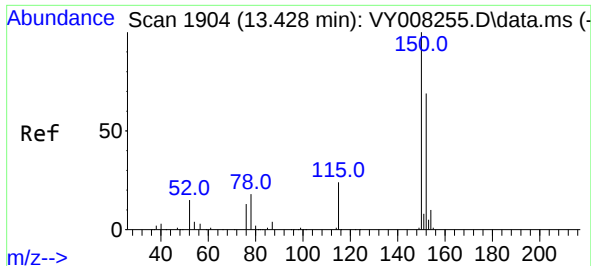


#69
o-Xylene
Concen: 10.550 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03



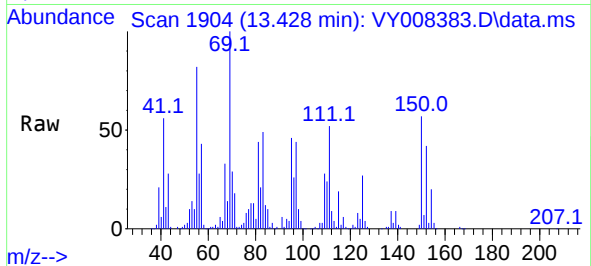
Tgt Ion:106 Resp: 14459
Ion Ratio Lower Upper
106 100
91 254.5 110.3 331.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03

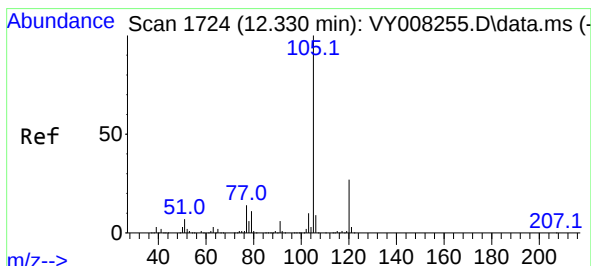
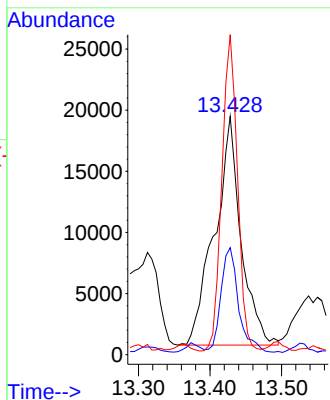
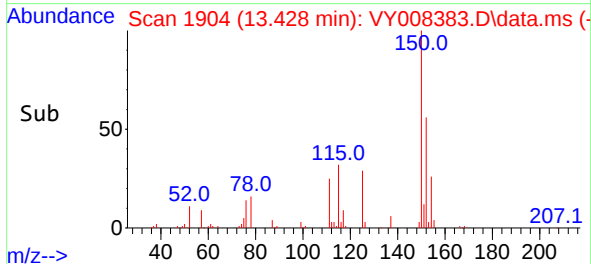
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-3-GR



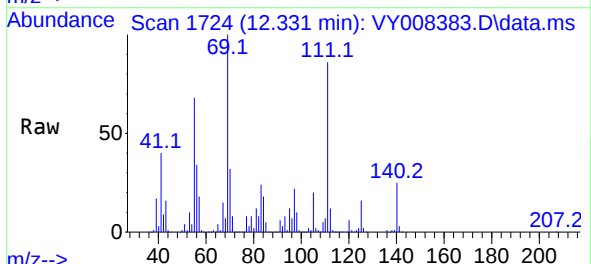
Tgt Ion:152 Resp: 47950
Ion Ratio Lower Upper
152 100
115 30.5 28.2 84.7
150 82.3 0.0 347.6

Manual Integrations
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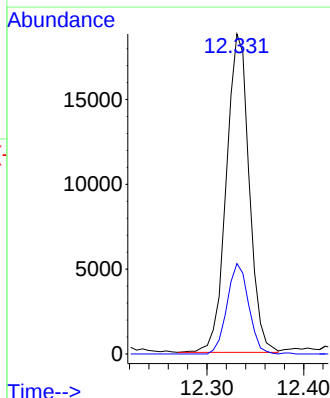
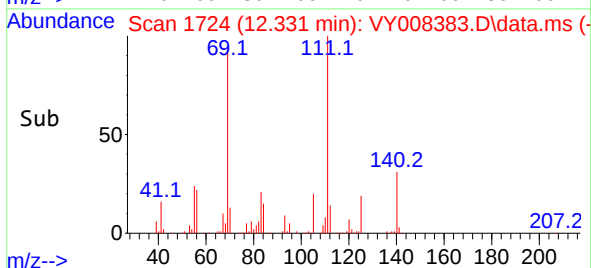
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

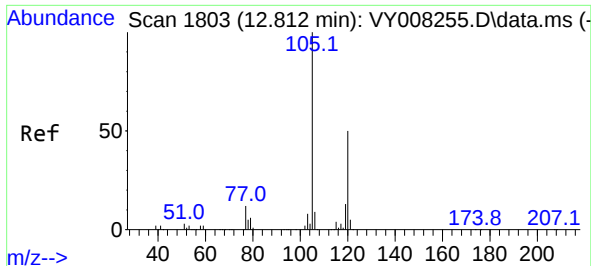


#73
Isopropylbenzene
Concen: 8.639 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.001 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03



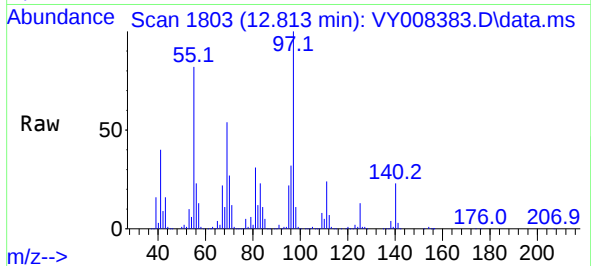
Tgt Ion:105 Resp: 30803
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.2





#80
1,3,5-Trimethylbenzene
Concen: 1.697 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.001 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03

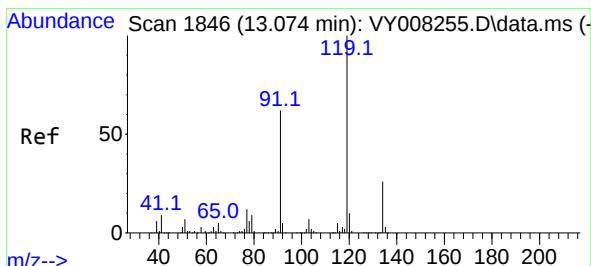
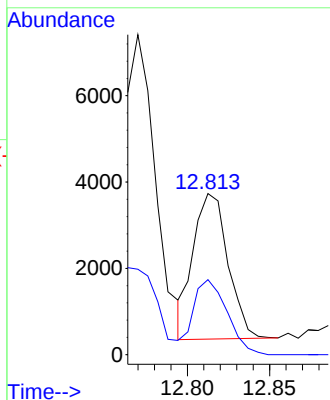
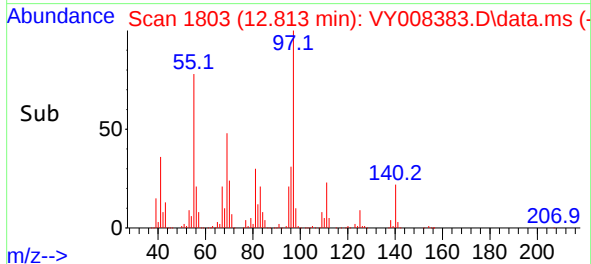
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-3-GR



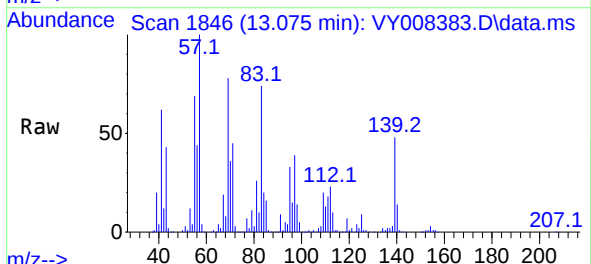
Tgt Ion:105 Resp: 4962
Ion Ratio Lower Upper
105 100
120 50.3 24.4 73.4

Manual Integrations
APPROVED

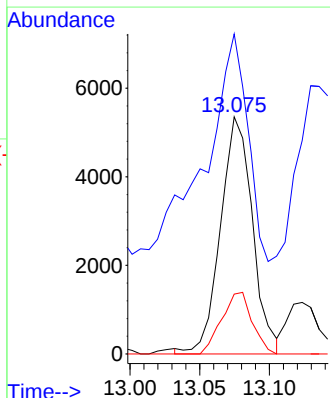
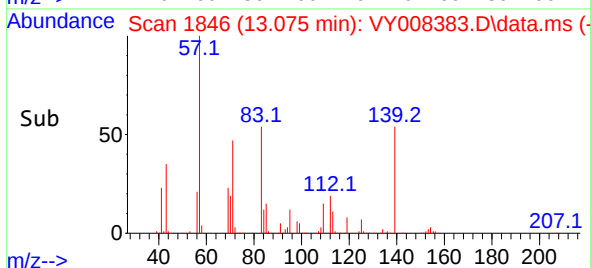
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

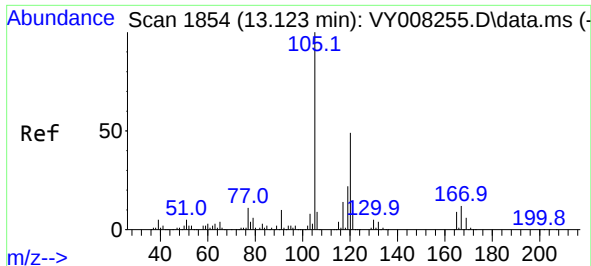


#83
tert-Butylbenzene
Concen: 3.252 ug/l m
RT: 13.075 min Scan# 1846
Delta R.T. 0.001 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03



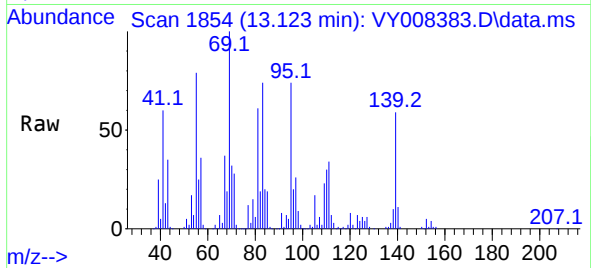
Tgt Ion:119 Resp: 8530
Ion Ratio Lower Upper
119 100
91 101.8 34.8 104.4
134 28.1 13.3 39.9





#84
1,2,4-Trimethylbenzene
Concen: 4.753 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03

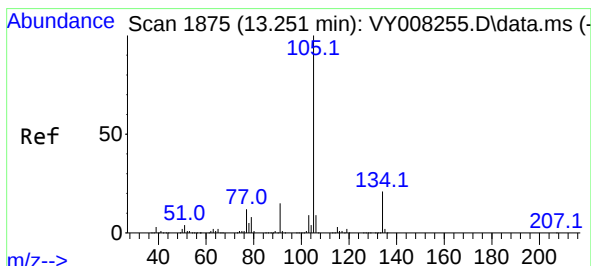
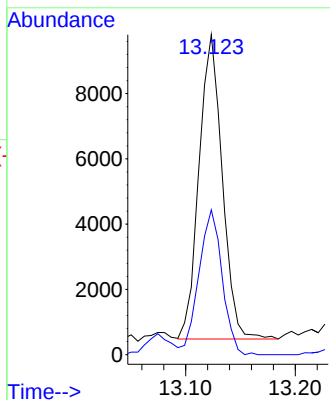
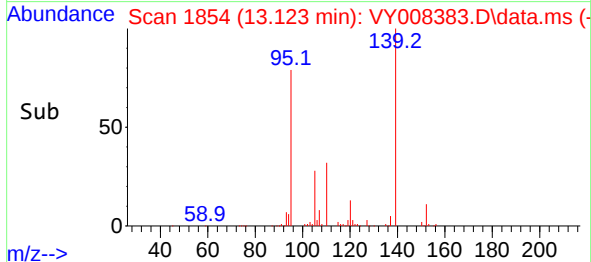
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-3-GR



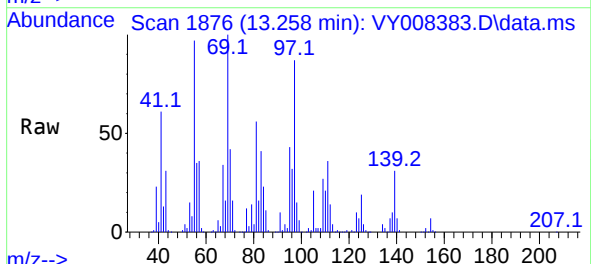
Tgt Ion:105 Resp: 13752
Ion Ratio Lower Upper
105 100
120 47.6 22.3 66.9

Manual Integrations
APPROVED

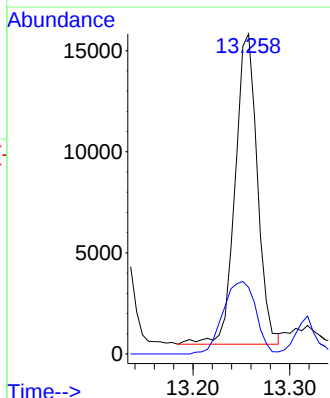
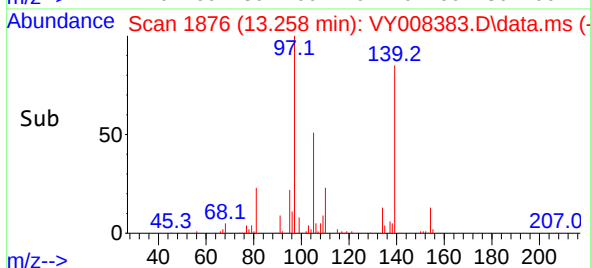
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

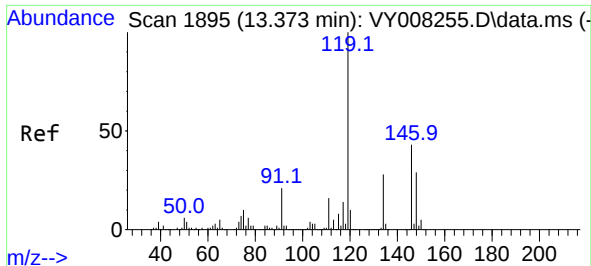


#85
sec-Butylbenzene
Concen: 6.307 ug/l
RT: 13.258 min Scan# 1876
Delta R.T. 0.007 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03



Tgt Ion:105 Resp: 24526
Ion Ratio Lower Upper
105 100
134 34.4 10.2 30.4#





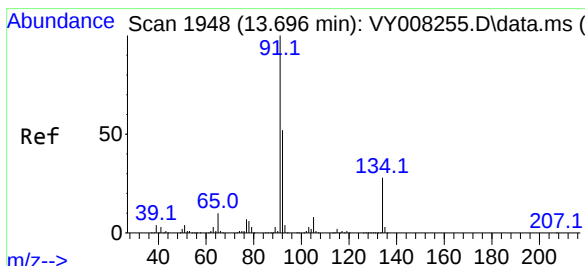
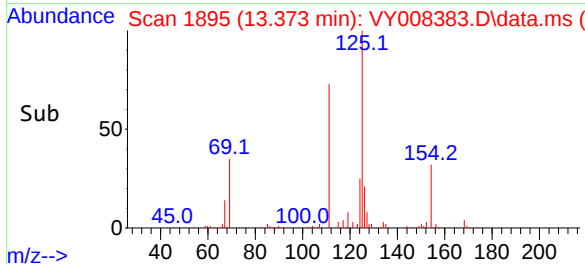
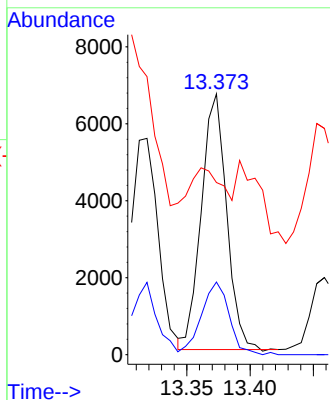
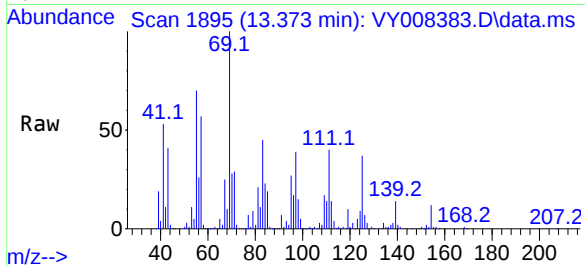
#86
p-Isopropyltoluene
Concen: 2.851 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03

Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-3-GR

Tgt Ion: 119 Resp: 925
Ion Ratio Lower Upper
119 100
134 31.2 13.2 39.5
91 14.4 12.4 37.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#89
n-Butylbenzene
Concen: 5.889 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.001 min
Lab File: VY008383.D
Acq: 18 Apr 2022 19:03

Tgt Ion: 91 Resp: 17264
Ion Ratio Lower Upper
91 100
92 46.5 26.3 78.9
134 0.0 13.0 38.9#

