

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092024\
 Data File : VY019650.D
 Acq On : 20 Sep 2024 16:56
 Operator : SY/MD
 Sample : P4103-07
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-14-5-7.5B

Quant Time: Sep 21 04:07:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/23/2024
 Supervised By :Semsettin Yesilyurt 09/23/2024

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	127451	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	203411	50.000	ug/l	# 0.00
63) Chlorobenzene-d5	11.414	117	139573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	74553	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	48759	41.315	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.640%		
35) Dibromofluoromethane	7.628	113	56904	49.340	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.680%		
50) Toluene-d8	10.103	98	505329	118.461	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	236.920%#		
62) 4-Bromofluorobenzene	12.401	95	130125	79.333	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	158.660%#		
Target Compounds						
						Qvalue
39) Methylcyclohexane	9.109	83	8482928	4061.882	ug/l #	84
52) Toluene	10.170	92	10222866	3288.496	ug/l	85
67) Ethyl Benzene	11.511	91	21027845	4310.513	ug/l #	27
68) m/p-Xylenes	11.615	106	26014100m	14102.956	ug/l	
69) o-Xylene	11.950	106	17627844	9771.793	ug/l #	1
73) Isopropylbenzene	12.255	105	6442356	1191.134	ug/l	99
78) n-propylbenzene	12.590	91	18195582	2838.337	ug/l #	71
80) 1,3,5-Trimethylbenzene	12.731	105	15022960	3416.674	ug/l	75
84) 1,2,4-Trimethylbenzene	13.029	105	22329090m	5130.298	ug/l	
85) sec-Butylbenzene	13.176	105	2670385	461.794	ug/l #	57
86) p-Isopropyltoluene	13.292	119	991536	209.577	ug/l	96
89) n-Butylbenzene	13.615	91	4277275m	945.689	ug/l	

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

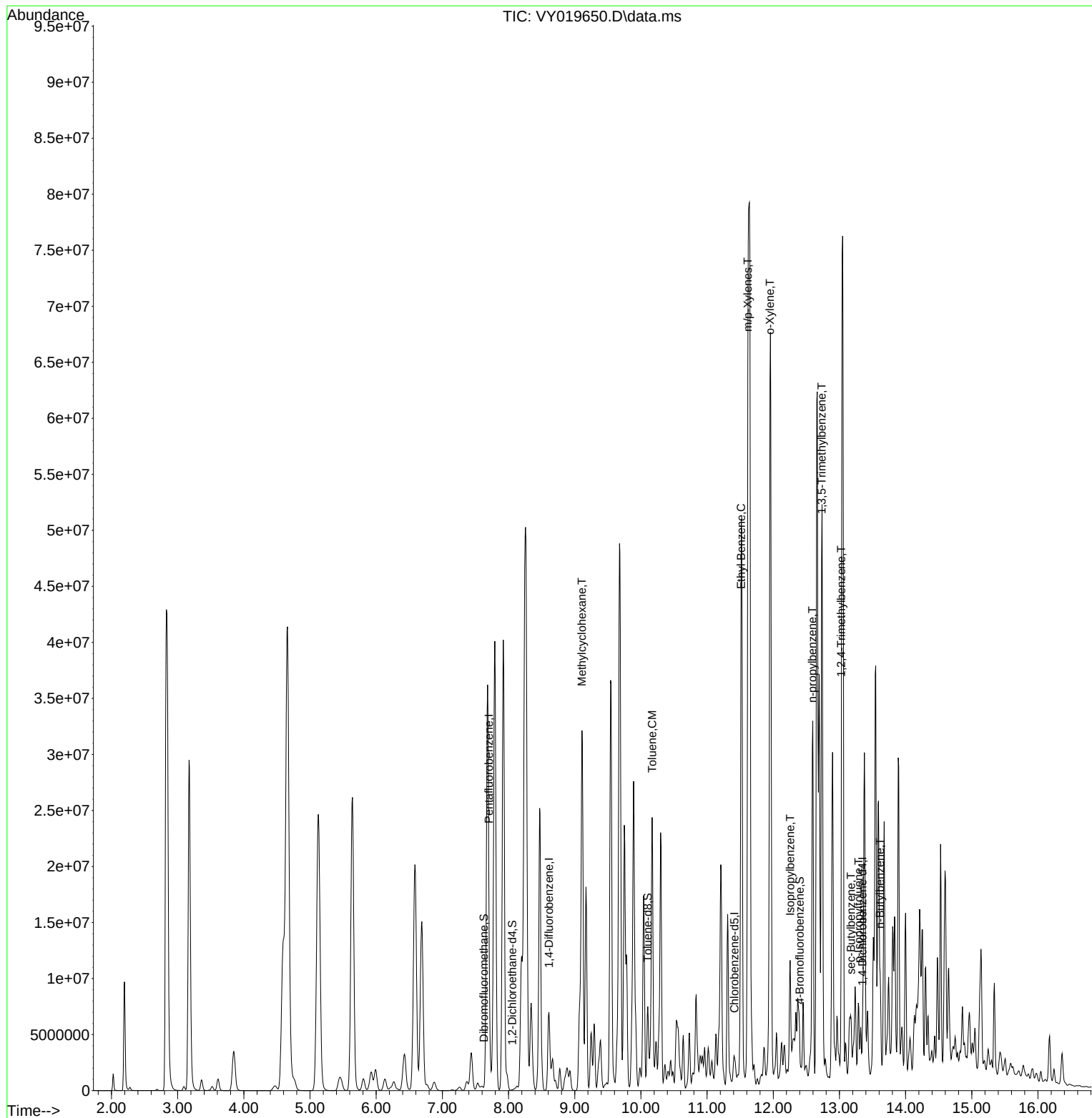
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092024\
Data File : VY019650.D
Acq On : 20 Sep 2024 16:56
Operator : SY/MD
Sample : P4103-07
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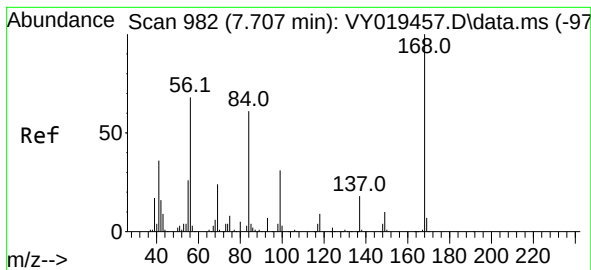
Instrument :
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ClientSampleId :
WC-14-5-7.5B

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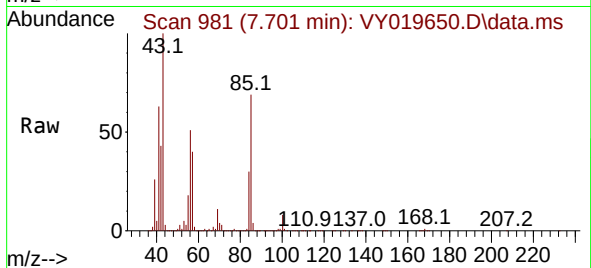
Quant Time: Sep 21 04:07:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

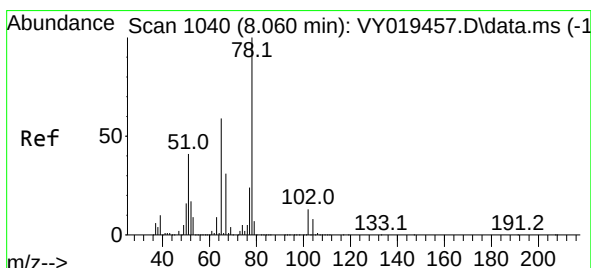
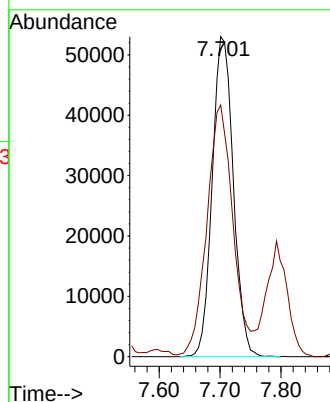
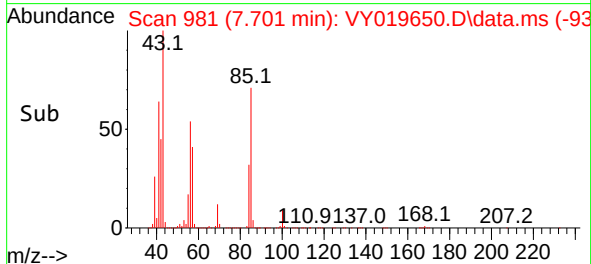
Instrument :
MSVOA_Y
ClientSampleId :
WC-14-5-7.5B



Tgt Ion:168 Resp: 12745
Ion Ratio Lower Upper
168 100
99 77.8 39.1 58.7

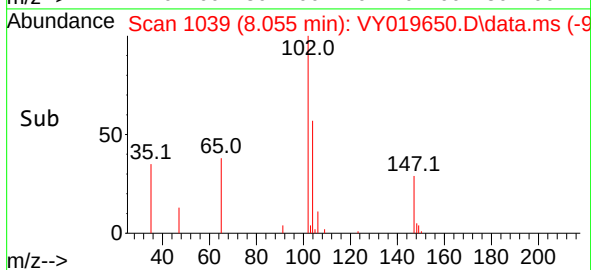
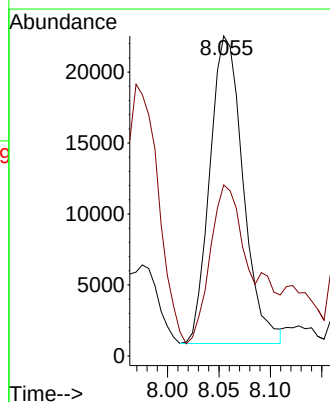
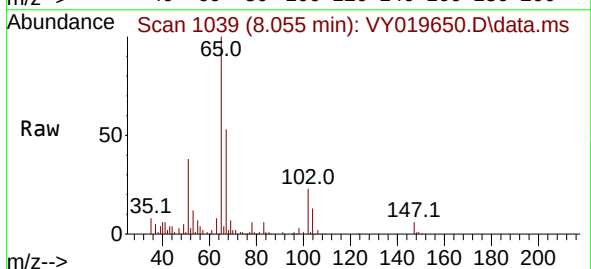
Manual Integrations
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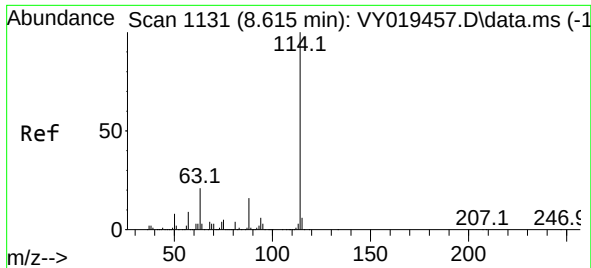
Reviewed By :Mahesh Dadoda 09/23/2024
Supervised By :Semsettin Yesilyurt 09/23/2024



#33
1,2-Dichloroethane-d4
Concen: 41.315 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion: 65 Resp: 48759
Ion Ratio Lower Upper
65 100
67 0.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

Instrument :

MSVOA_Y

ClientSampleId :

WC-14-5-7.5B

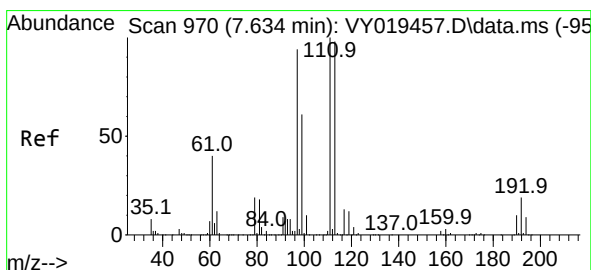
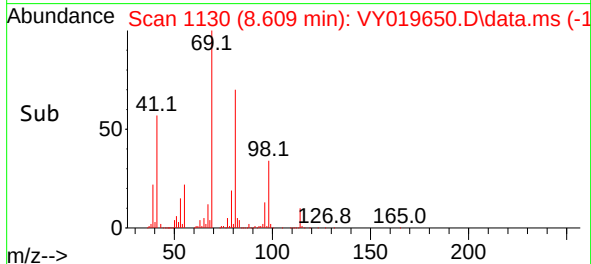
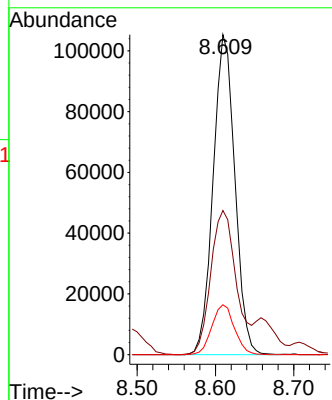
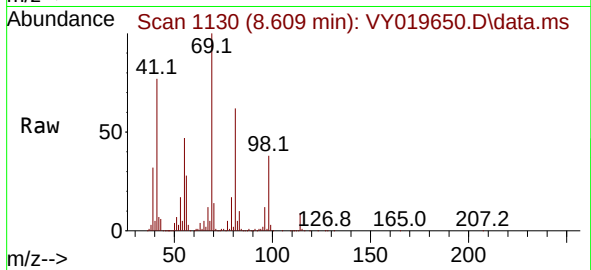
Tgt Ion:114 Resp: 20341

Ion	Ratio	Lower	Upper
114	100		
63	45.1	0.0	35.0
88	15.6	0.0	27.2

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#35

Dibromofluoromethane

Concen: 49.340 ug/l

RT: 7.628 min Scan# 969

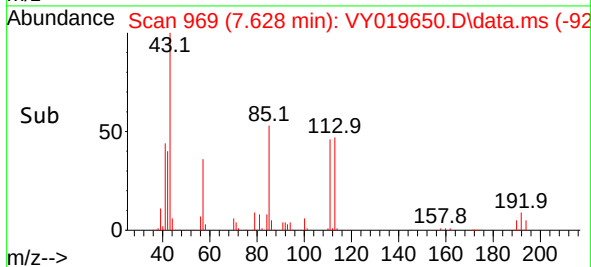
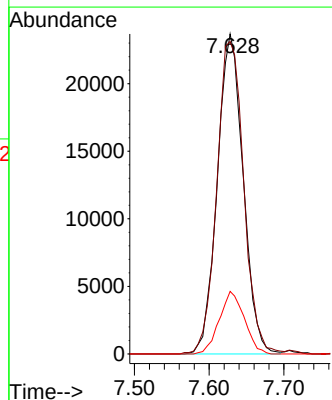
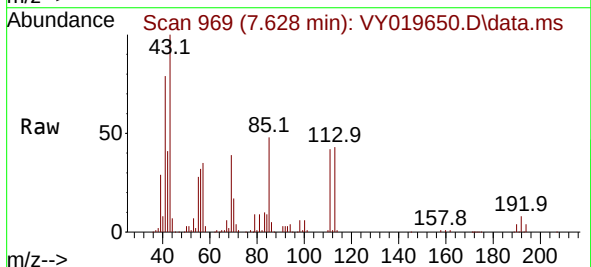
Delta R.T. -0.006 min

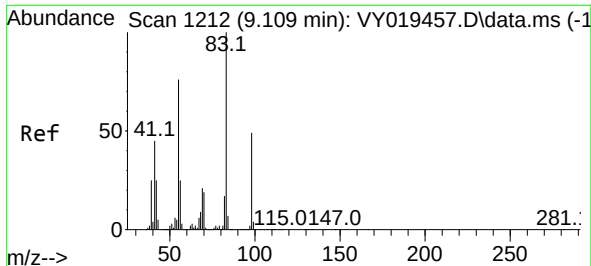
Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

Tgt Ion:113 Resp: 56904

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.2	123.4
192	18.9	15.9	23.9





#39

Methylcyclohexane

Concen: 4061.882 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

Instrument :

MSVOA_Y

ClientSampleId :

WC-14-5-7.5B

Tgt Ion: 83 Resp: 8482928

Ion Ratio Lower Upper

83 100

55 84.6 51.5 77.3

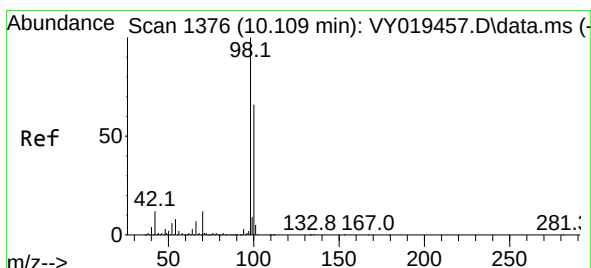
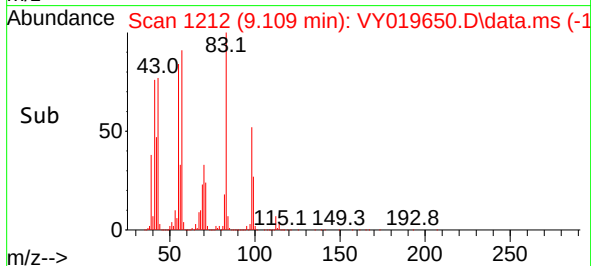
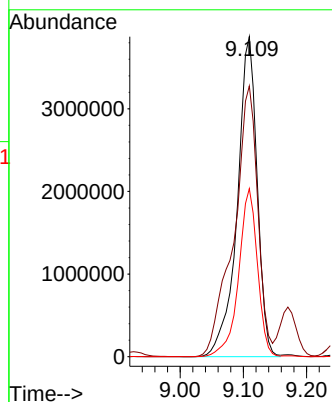
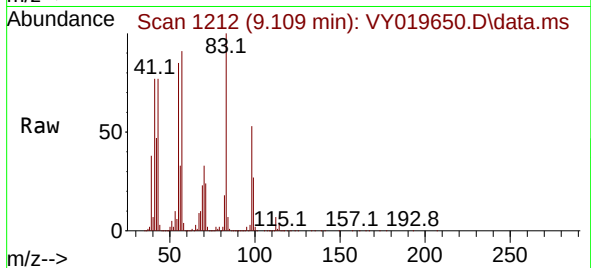
98 52.5 40.5 60.7

Manual Integrations

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#50

Toluene-d8

Concen: 118.461 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019650.D

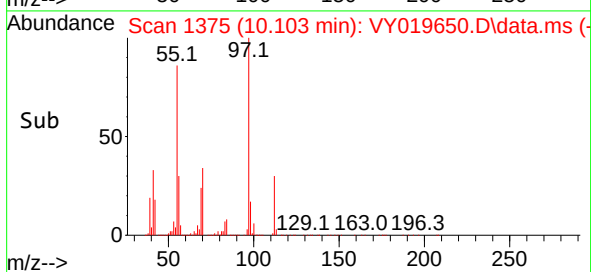
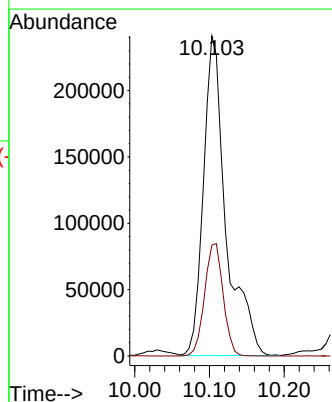
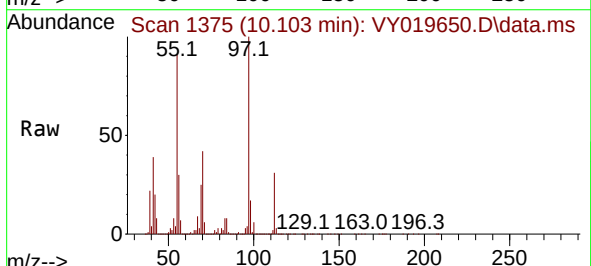
Acq: 20 Sep 2024 16:56

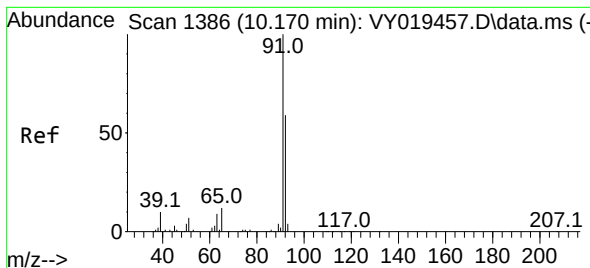
Tgt Ion: 98 Resp: 505329

Ion Ratio Lower Upper

98 100

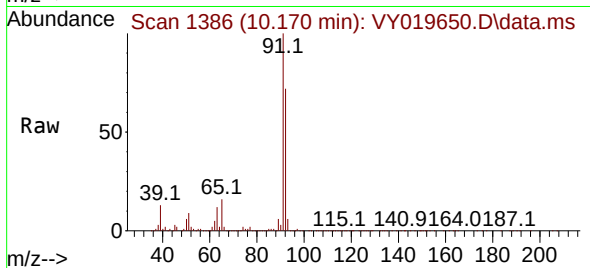
100 28.8 52.0 78.0





#52
Toluene
Concen: 3288.496 ug/l
RT: 10.170 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

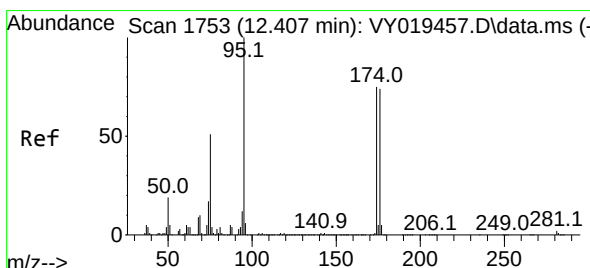
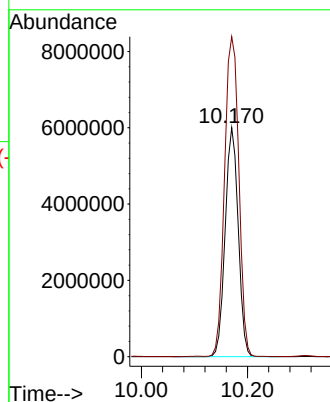
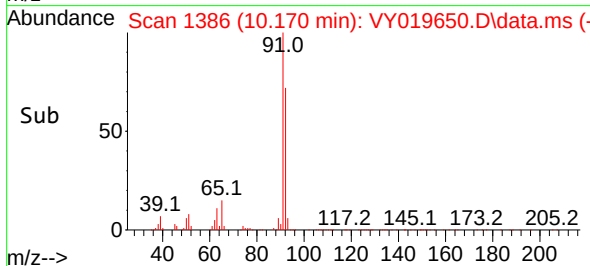
Instrument :
MSVOA_Y
ClientSampleId :
WC-14-5-7.5B



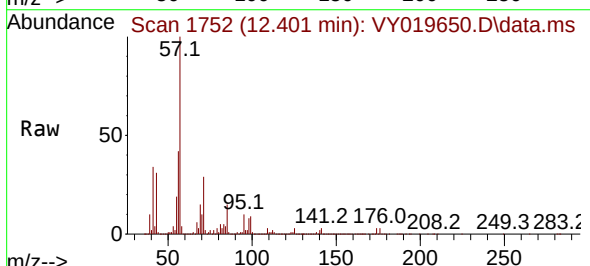
Tgt Ion: 92 Resp:1022286
Ion Ratio Lower Upper
92 100
91 153.0 139.0 208.6

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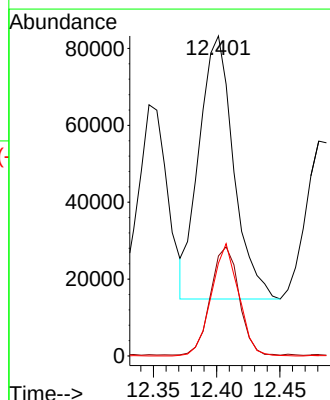
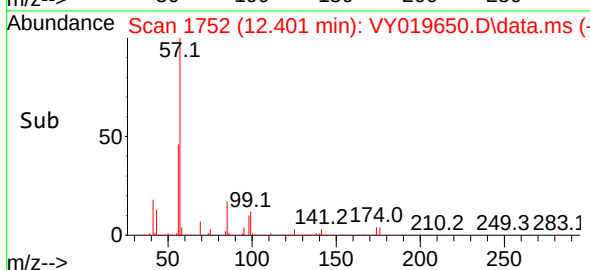
Reviewed By :Mahesh Dadoda 09/23/2024
Supervised By :Semsettin Yesilyurt 09/23/2024

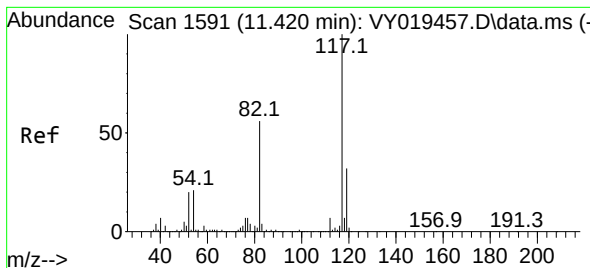


#62
4-Bromofluorobenzene
Concen: 79.333 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56



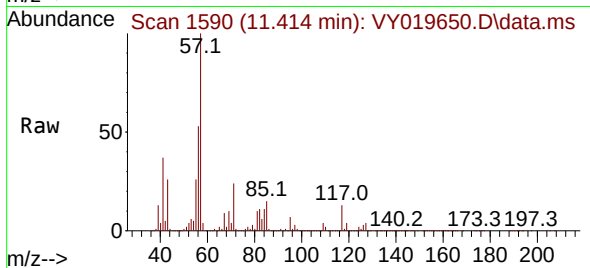
Tgt Ion: 95 Resp: 130125
Ion Ratio Lower Upper
95 100
174 33.8 0.0 175.6
176 33.7 0.0 171.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

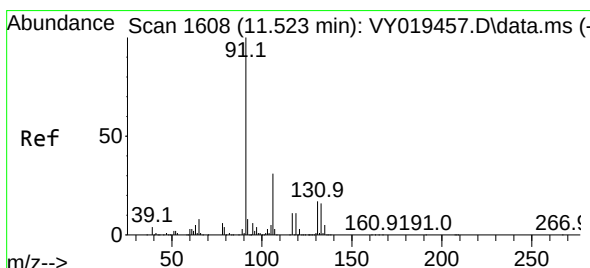
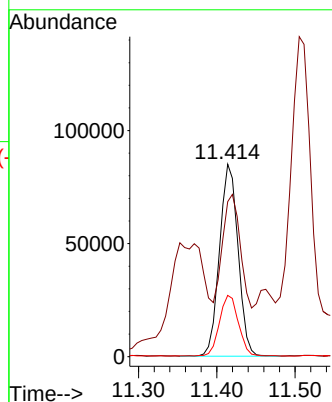
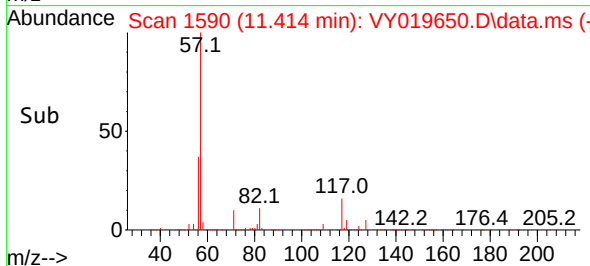
Instrument :
MSVOA_Y
ClientSampleId :
WC-14-5-7.5B



Tgt Ion: 117 Resp: 13957
Ion Ratio Lower Upper
117 100
82 49.7 42.4 63.6
119 31.6 25.9 38.9

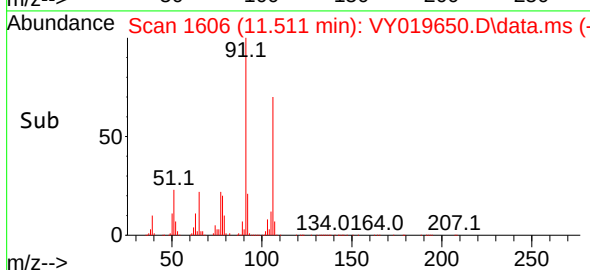
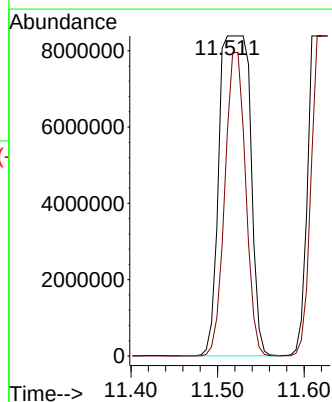
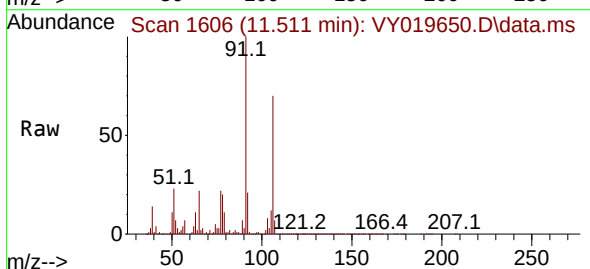
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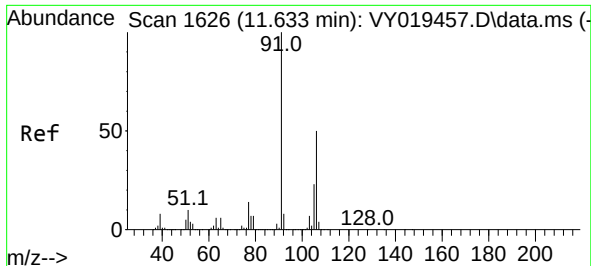
Reviewed By :Mahesh Dadoda 09/23/2024
Supervised By :Semsettin Yesilyurt 09/23/2024



#67
Ethyl Benzene
Concen: 4310.513 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.012 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion: 91 Resp: 21027845
Ion Ratio Lower Upper
91 100
106 70.3 24.5 36.7#





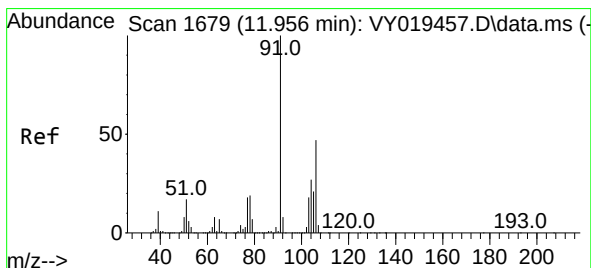
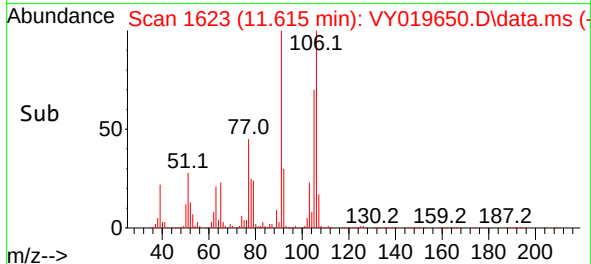
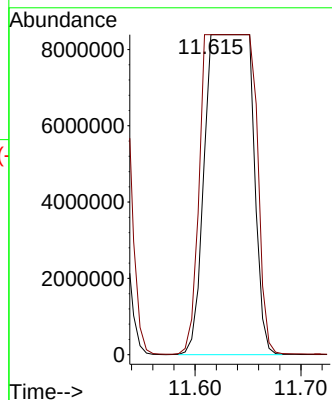
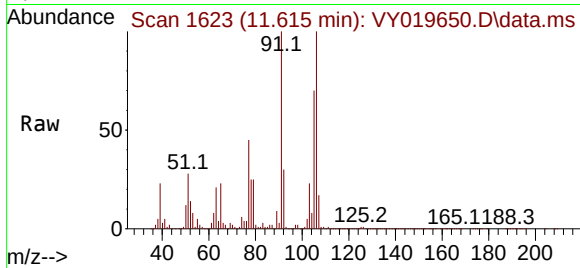
#68
m/p-Xylenes
Concen: 14102.956 ug/l m
RT: 11.615 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Instrument :
MSVOA_Y
ClientSampleId :
WC-14-5-7.5B

Tgt Ion:106 Resp:26014100
Ion Ratio Lower Upper
106 100
91 80.8 156.0 234.0

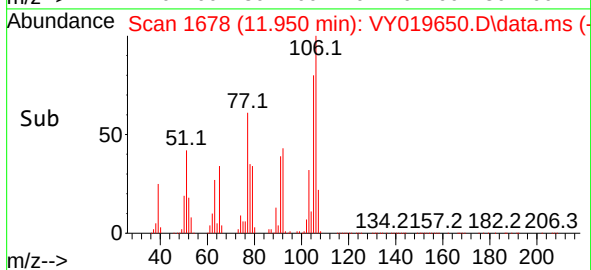
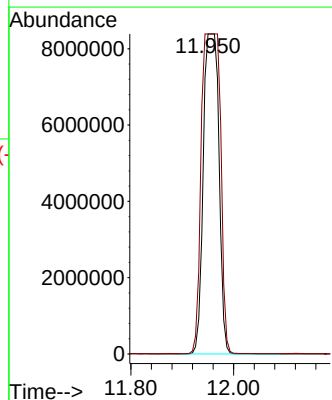
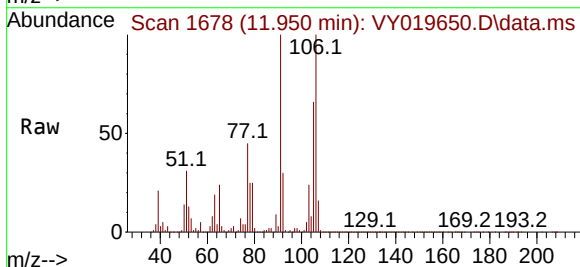
Manual Integrations
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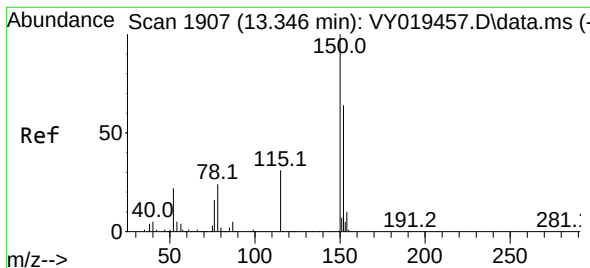
Reviewed By :Mahesh Dadoda 09/23/2024
Supervised By :Semsettin Yesilyurt 09/23/2024



#69
o-Xylene
Concen: 9771.793 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

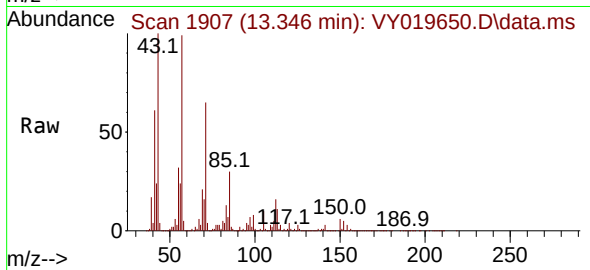
Tgt Ion:106 Resp:17627844
Ion Ratio Lower Upper
106 100
91 0.0 103.6 310.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

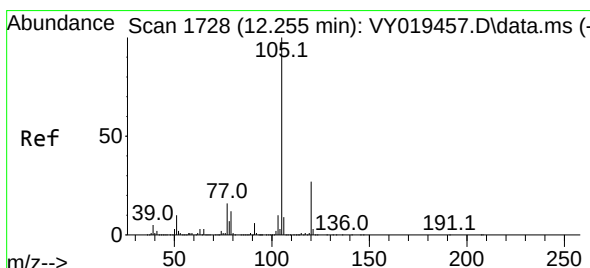
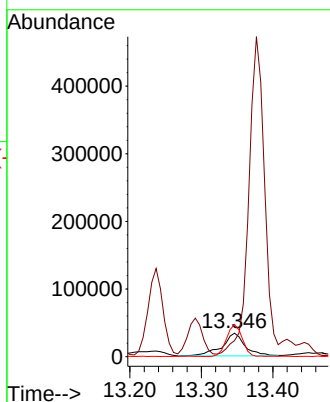
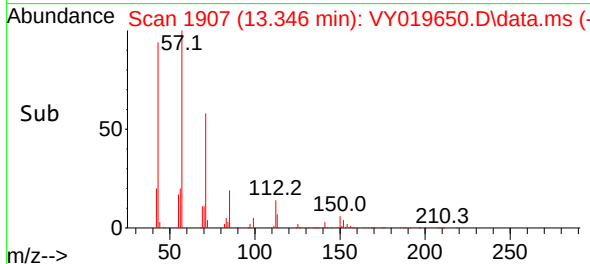
Instrument :
MSVOA_Y
ClientSampleId :
WC-14-5-7.5B



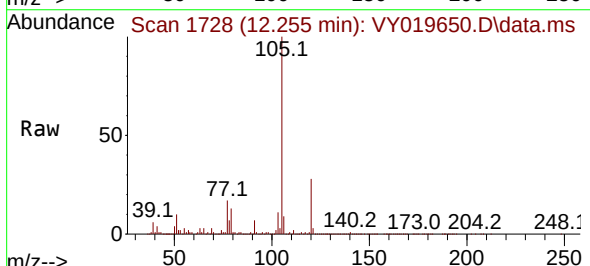
Tgt Ion:152 Resp: 7455
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7
150 98.2 0.0 345.6

Manual Integrations
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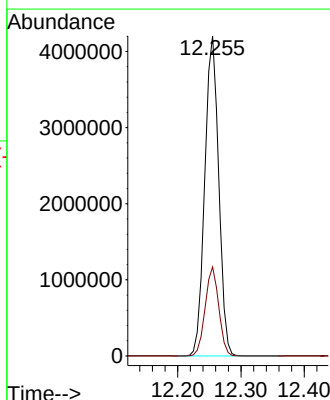
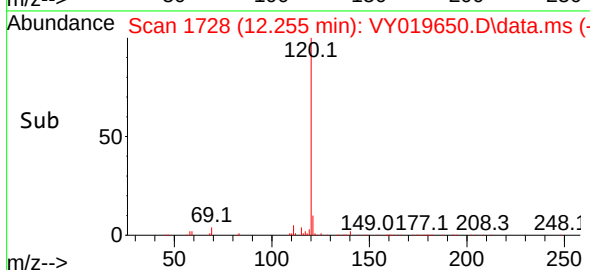
Reviewed By :Mahesh Dadoda 09/23/2024
Supervised By :Semsettin Yesilyurt 09/23/2024

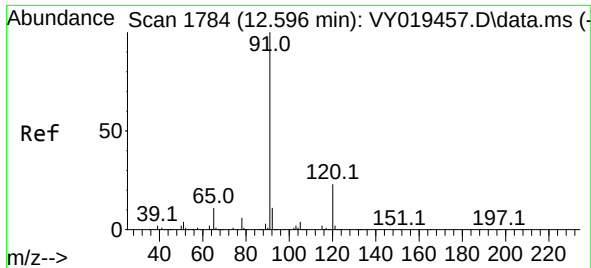


#73
Isopropylbenzene
Concen: 1191.134 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56



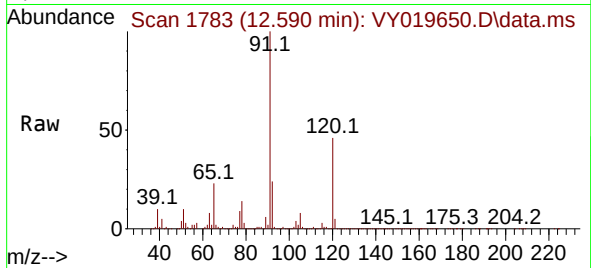
Tgt Ion:105 Resp: 6442356
Ion Ratio Lower Upper
105 100
120 27.1 13.4 40.1





#78
n-propylbenzene
Concen: 2838.337 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

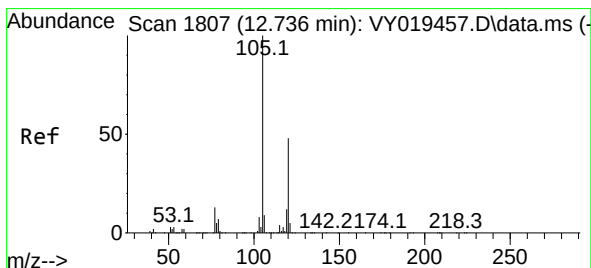
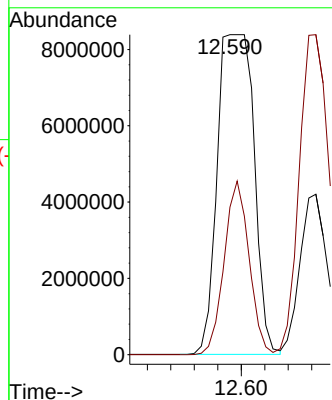
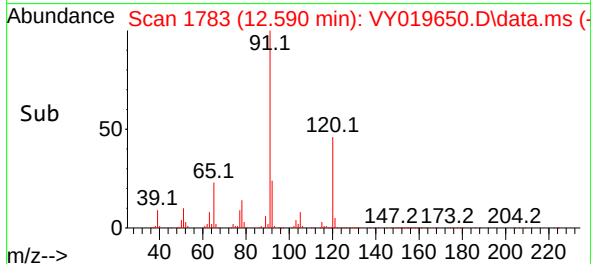
Instrument :
MSVOA_Y
ClientSampleId :
WC-14-5-7.5B



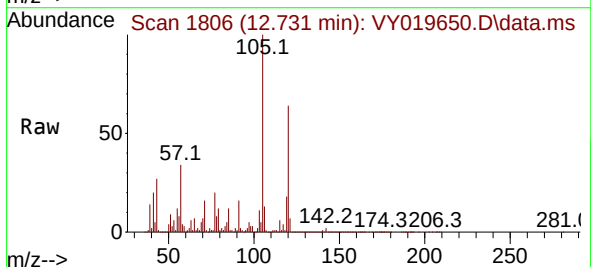
Tgt Ion: 91 Resp:1819558
Ion Ratio Lower Upper
91 100
120 36.9 11.5 34.4

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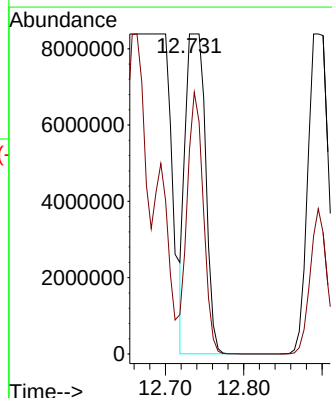
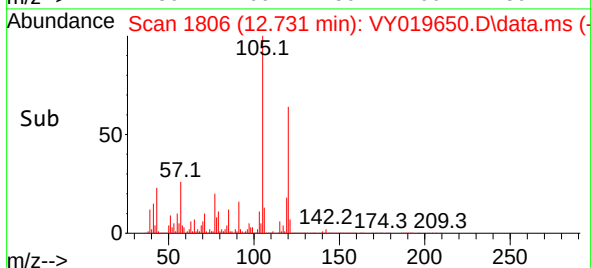
Reviewed By :Mahesh Dadoda 09/23/2024
Supervised By :Semsettin Yesilyurt 09/23/2024

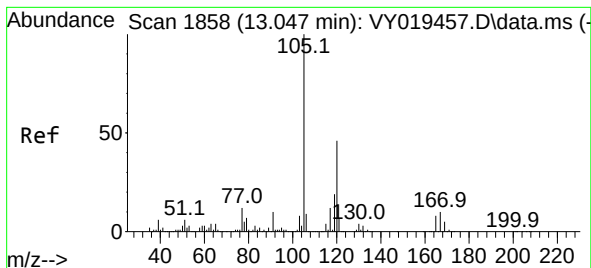


#80
1,3,5-Trimethylbenzene
Concen: 3416.674 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56



Tgt Ion:105 Resp:15022960
Ion Ratio Lower Upper
105 100
120 67.3 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 5130.298 ug/l m

RT: 13.029 min Scan# 1855

Delta R.T. -0.018 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

Instrument :

MSVOA_Y

ClientSampleId :

WC-14-5-7.5B

Tgt Ion:105 Resp:22329090

Ion Ratio Lower Upper

105 100

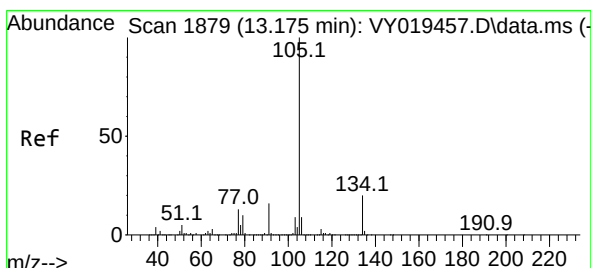
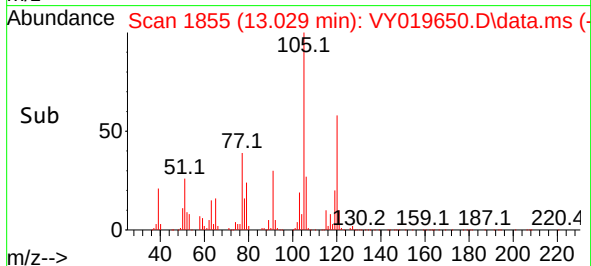
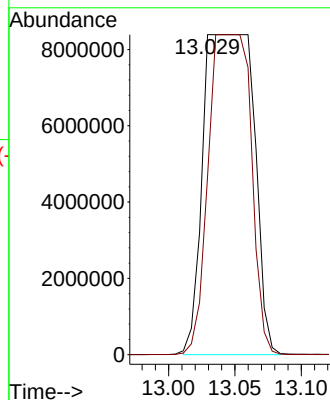
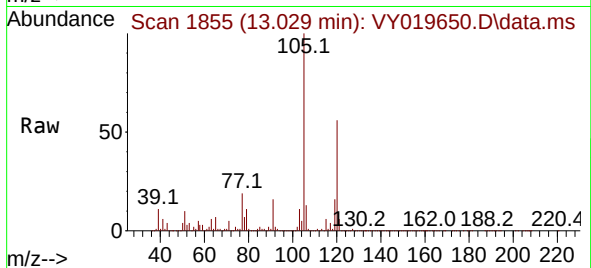
120 25.2 23.2 69.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/23/2024

Supervised By :Semsettin Yesilyurt 09/23/2024



#85

sec-Butylbenzene

Concen: 461.794 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY019650.D

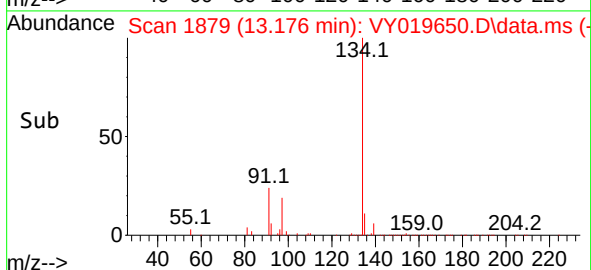
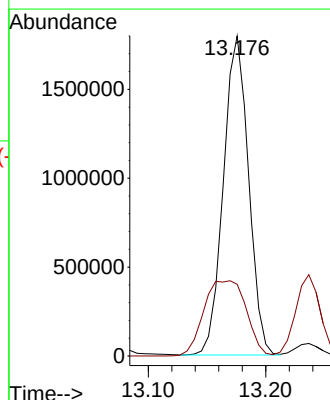
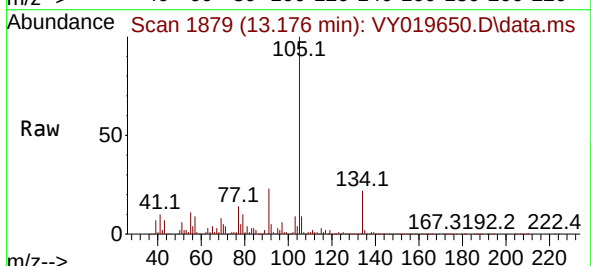
Acq: 20 Sep 2024 16:56

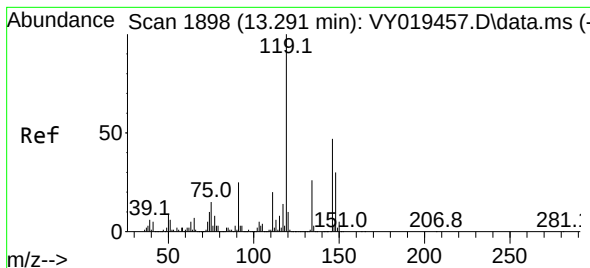
Tgt Ion:105 Resp: 2670385

Ion Ratio Lower Upper

105 100

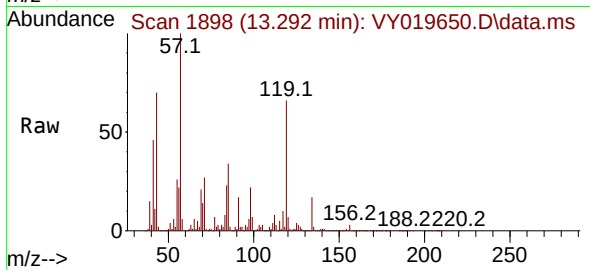
134 39.7 10.1 30.1#





#86
p-Isopropyltoluene
Concen: 209.577 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

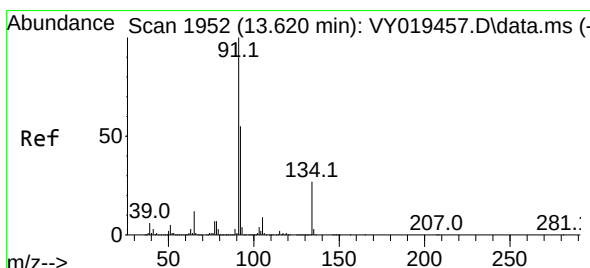
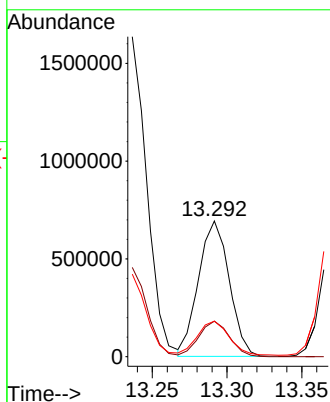
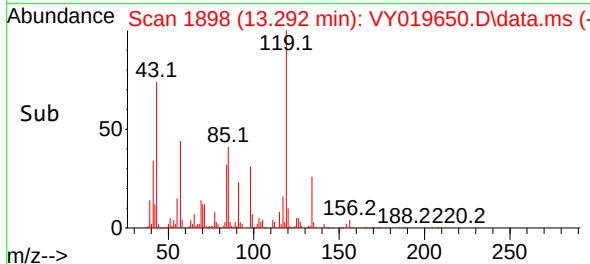
Instrument :
MSVOA_Y
ClientSampleId :
WC-14-5-7.5B



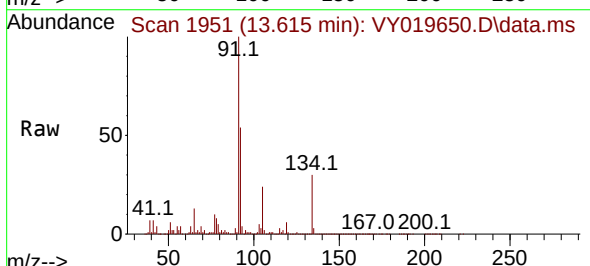
Tgt Ion:119 Resp: 991530
Ion Ratio Lower Upper
119 100
134 26.1 13.1 39.3
91 25.6 10.7 32.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/23/2024
Supervised By :Semsettin Yesilyurt 09/23/2024



#89
n-Butylbenzene
Concen: 945.689 ug/l m
RT: 13.615 min Scan# 1951
Delta R.T. -0.006 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56



Tgt Ion: 91 Resp: 4277275
Ion Ratio Lower Upper
91 100
92 59.2 26.6 79.7
134 0.0 12.9 38.7#

