

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111323\
 Data File : VY016332.D
 Acq On : 13 Nov 2023 18:53
 Operator : SY/MD
 Sample : 05359-01
 Misc : 9.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EC-48-WC-1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

Quant Time: Nov 14 04:39:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	31618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	52568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	45451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	22240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	16391m	56.721	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.440%			
35) Dibromofluoromethane	7.734	113	14597	48.882	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.760%			
50) Toluene-d8	10.197	98	80149	66.186	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 132.380%			
62) 4-Bromofluorobenzene	12.495	95	28938	73.577	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 147.160%#			
Target Compounds						
					Qvalue	
16) Acetone	3.960	43	17127	358.304	ug/l #	66
17) Carbon Disulfide	4.210	76	10584	10.979	ug/l	97
31) Cyclohexane	7.801	56	245691	431.837	ug/l #	94
39) Methylcyclohexane	9.197	83	559351	865.716	ug/l	95
52) Toluene	10.258	92	4355	4.729	ug/l	99
67) Ethyl Benzene	11.605	91	175094	100.330	ug/l	100
68) m/p-Xylenes	11.715	106	33096	49.999	ug/l	97
69) o-Xylene	12.044	106	18834	30.646	ug/l	99
73) Isopropylbenzene	12.343	105	123979	68.841	ug/l	99
78) n-propylbenzene	12.684	91	445585	209.358	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	50041	34.463	ug/l	95
84) 1,2,4-Trimethylbenzene	13.129	105	182350	127.541	ug/l	97
85) sec-Butylbenzene	13.264	105	119613	65.464	ug/l #	73
86) p-Isopropyltoluene	13.379	119	23775	15.111	ug/l	95
89) n-Butylbenzene	13.709	91	141905	97.666	ug/l #	78

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

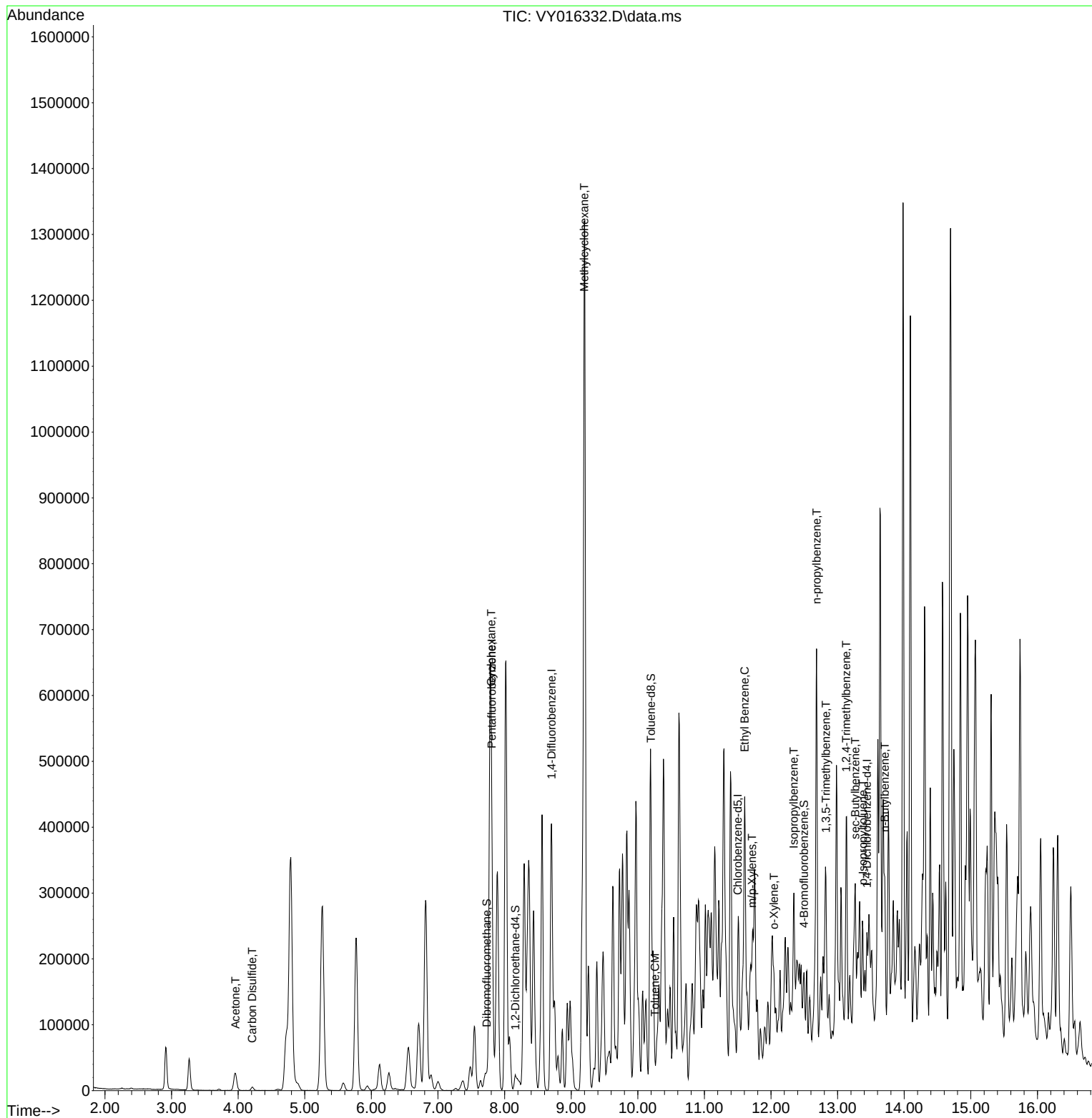
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111323\
Data File : VY016332.D
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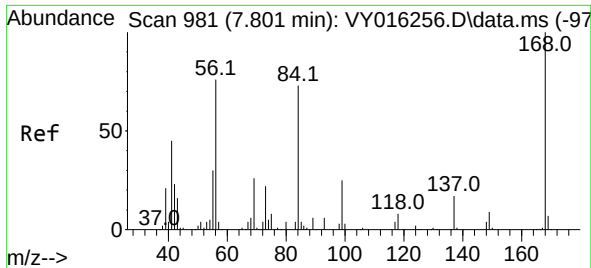
Instrument :
MSVOA_Y
ClientSampleId :
EC-48-WC-1

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Quant Title : SW846 8260
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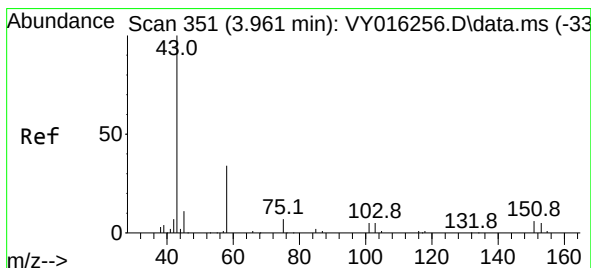
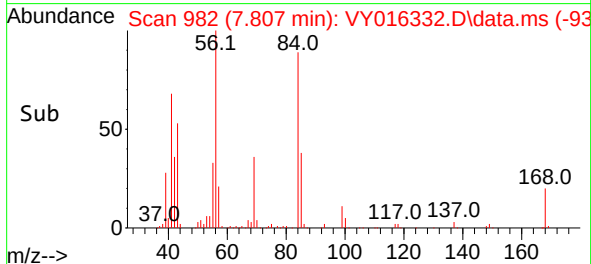
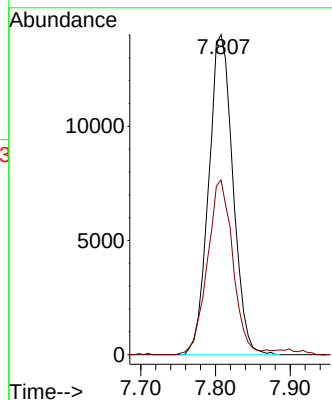
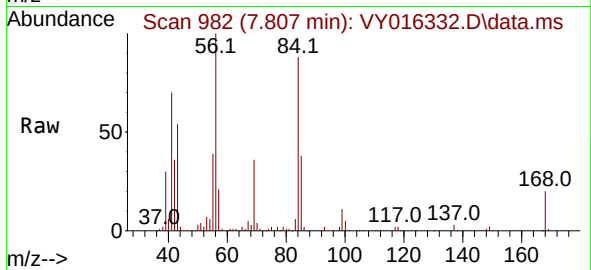
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016332.D
Acq: 13 Nov 2023 18:53

Instrument :
MSVOA_Y
ClientSampleId :
EC-48-WC-1

Tgt Ion:168 Resp: 31618
Ion Ratio Lower Upper
168 100
99 54.1 43.4 65.0

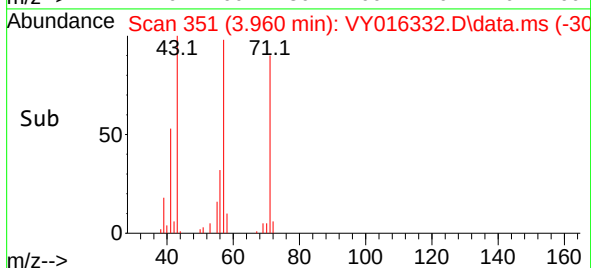
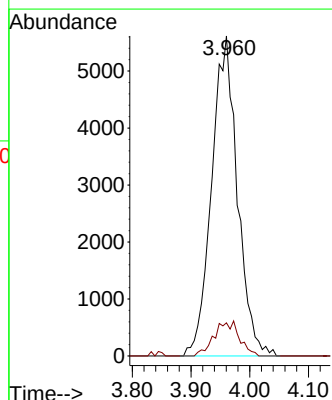
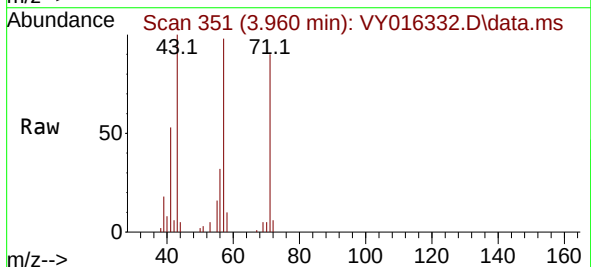
Manual Integrations
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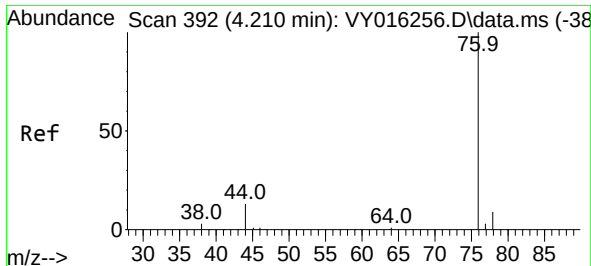
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#16
Acetone
Concen: 358.304 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY016332.D
Acq: 13 Nov 2023 18:53

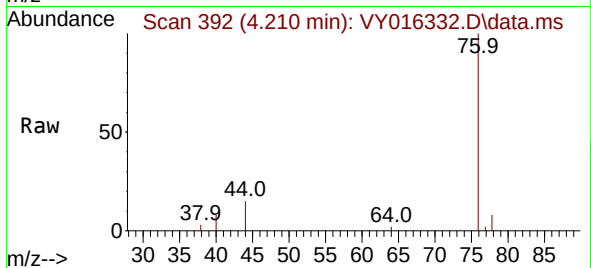
Tgt Ion: 43 Resp: 17127
Ion Ratio Lower Upper
43 100
58 10.3 22.7 34.1#





#17
Carbon Disulfide
Concen: 10.979 ug/l
RT: 4.210 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY016332.D
Acq: 13 Nov 2023 18:53

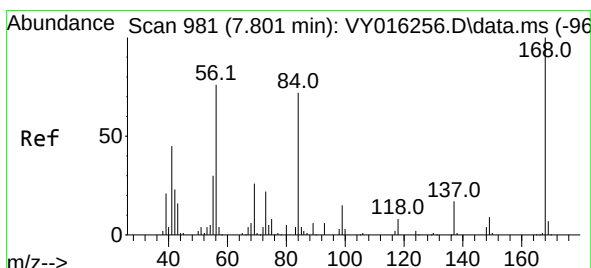
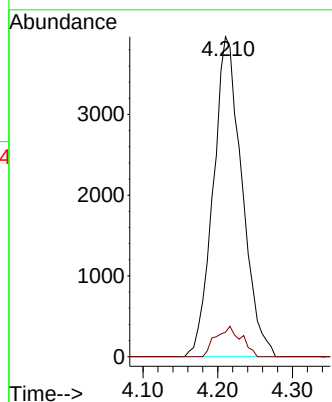
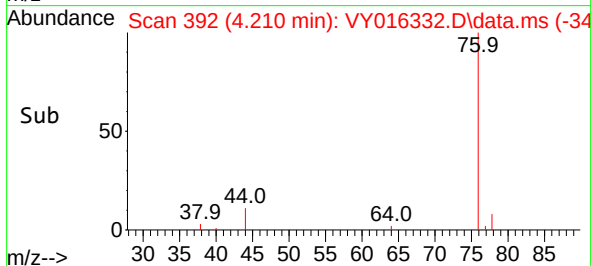
Instrument :
MSVOA_Y
ClientSampleId :
EC-48-WC-1



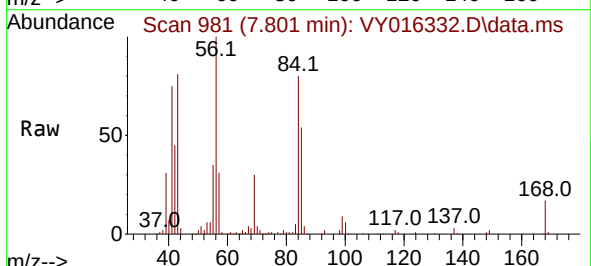
Tgt Ion: 76 Resp: 10584
Ion Ratio Lower Upper
76 100
78 7.6 7.0 10.4

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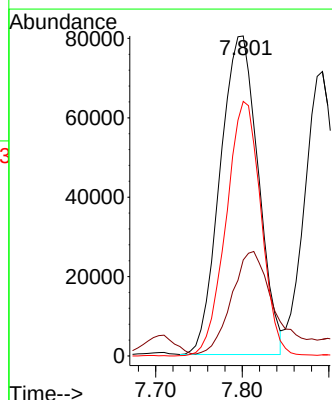
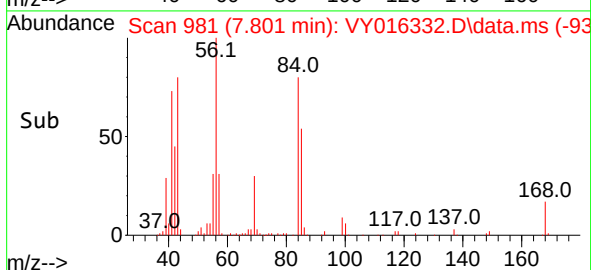
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

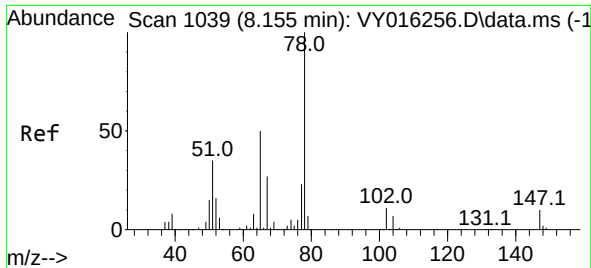


#31
Cyclohexane
Concen: 431.837 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY016332.D
Acq: 13 Nov 2023 18:53



Tgt Ion: 56 Resp: 245691
Ion Ratio Lower Upper
56 100
69 27.2 27.8 41.6#
84 79.8 66.4 99.6





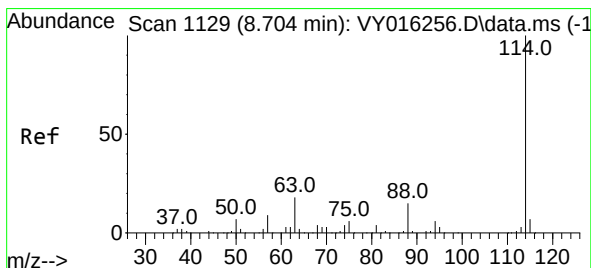
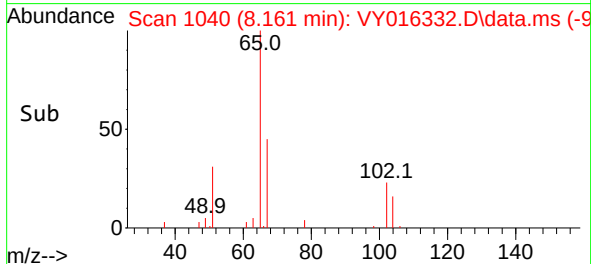
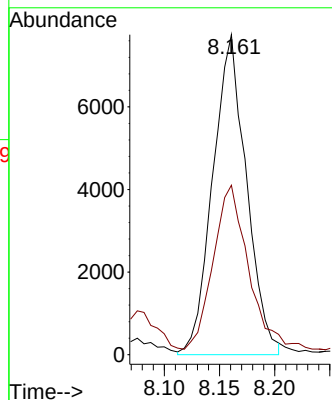
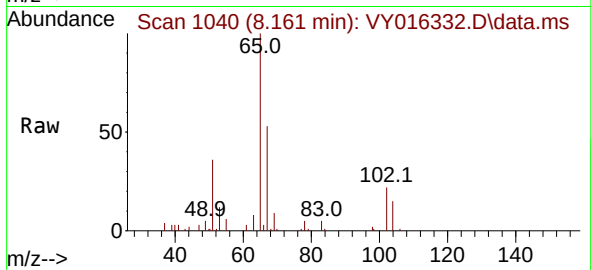
#33
1,2-Dichloroethane-d4
Concen: 56.721 ug/l m
RT: 8.161 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY016332.D
Acq: 13 Nov 2023 18:53

Instrument :
MSVOA_Y
ClientSampleId :
EC-48-WC-1

Tgt Ion: 65 Resp: 1639
Ion Ratio Lower Upper
65 100
67 0.0 0.0 101.8

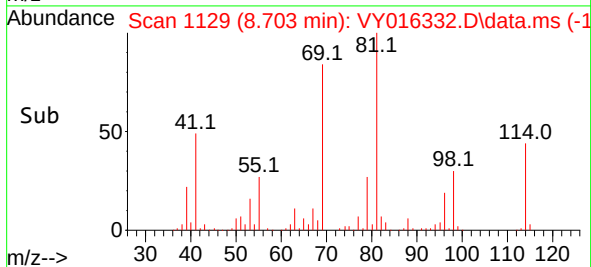
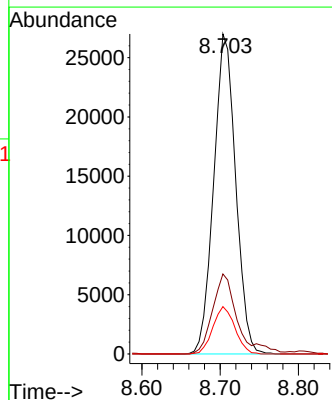
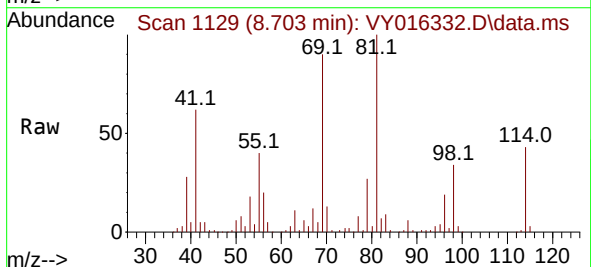
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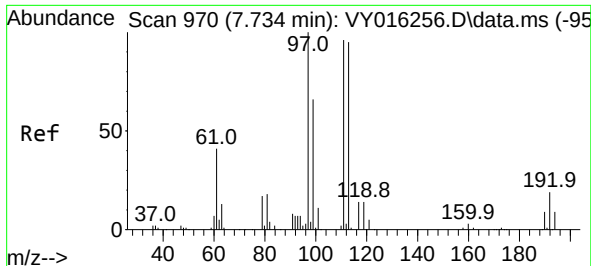
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VY016332.D
Acq: 13 Nov 2023 18:53

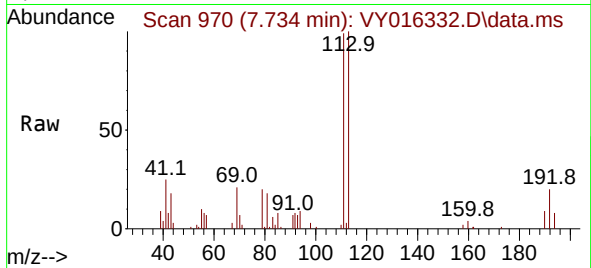
Tgt Ion:114 Resp: 52568
Ion Ratio Lower Upper
114 100
63 25.0 0.0 42.4
88 14.8 0.0 30.6





#35
Dibromofluoromethane
Concen: 48.882 ug/l
RT: 7.734 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016332.D
Acq: 13 Nov 2023 18:53

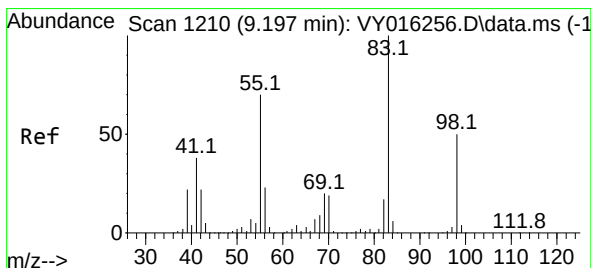
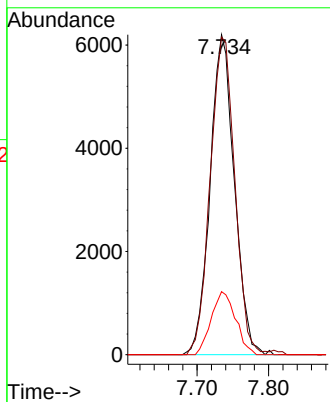
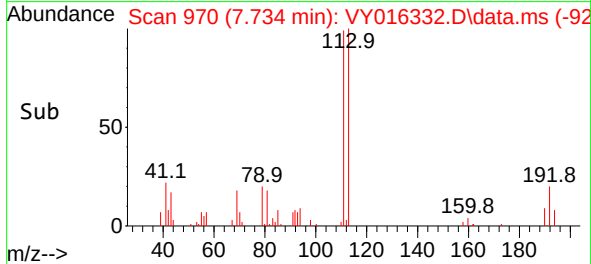
Instrument :
MSVOA_Y
ClientSampleId :
EC-48-WC-1



Tgt Ion:113 Resp: 1459
Ion Ratio Lower Upper
113 100
111 100.6 81.3 121.9
192 19.8 16.9 25.3

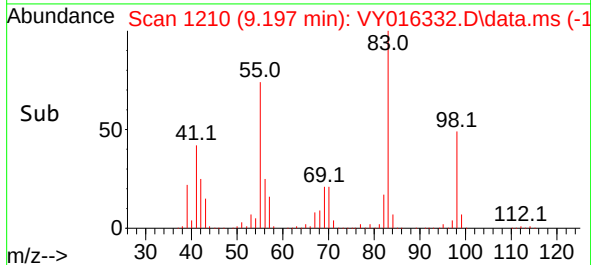
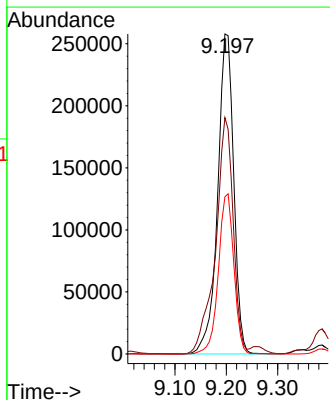
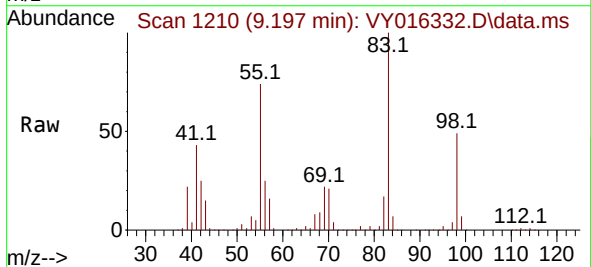
Manual Integrations
APPROVED

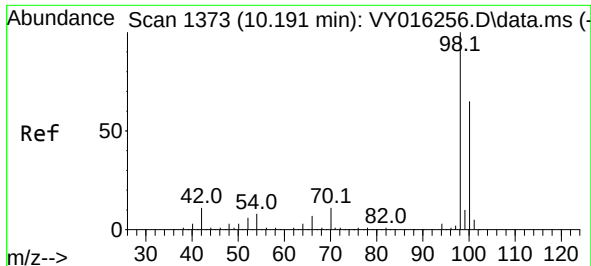
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#39
Methylcyclohexane
Concen: 865.716 ug/l
RT: 9.197 min Scan# 1210
Delta R.T. -0.000 min
Lab File: VY016332.D
Acq: 13 Nov 2023 18:53

Tgt Ion: 83 Resp: 559351
Ion Ratio Lower Upper
83 100
55 73.8 63.0 94.4
98 49.1 37.4 56.2





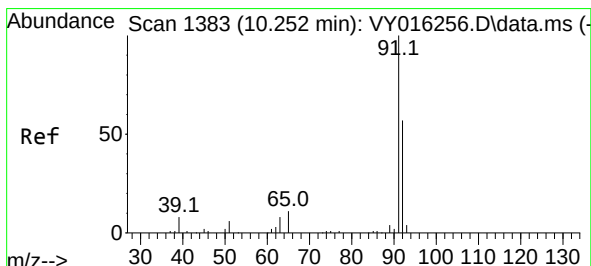
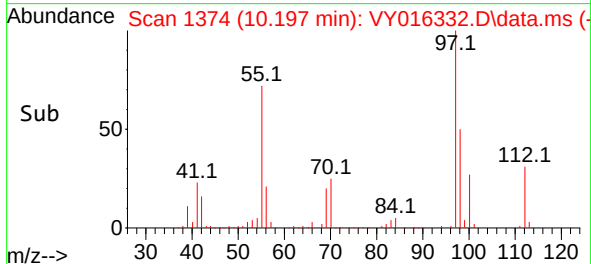
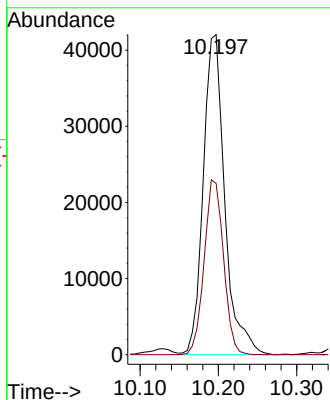
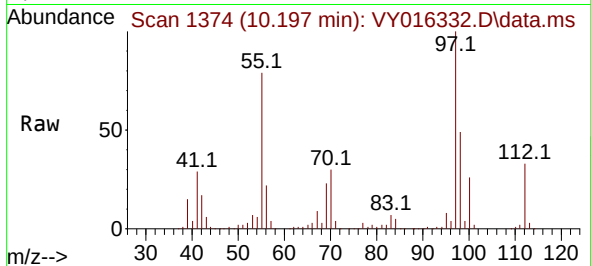
#50
Toluene-d8
Concen: 66.186 ug/l
RT: 10.197 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY016332.D
Acq: 13 Nov 2023 18:53

Instrument :
MSVOA_Y
ClientSampleId :
EC-48-WC-1

Tgt Ion: 98 Resp: 80149
Ion Ratio Lower Upper
98 100
100 49.2 50.1 75.1

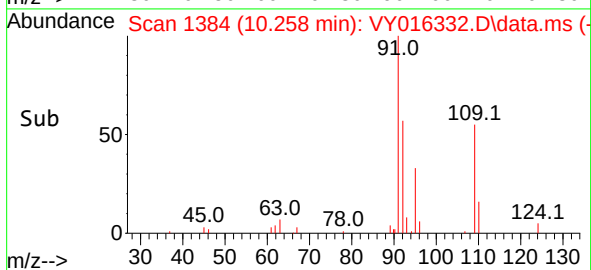
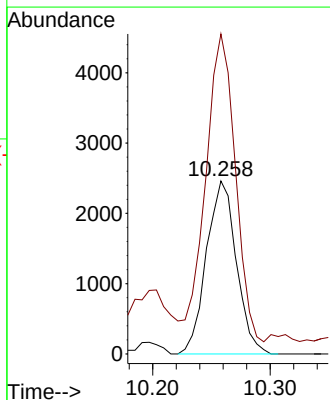
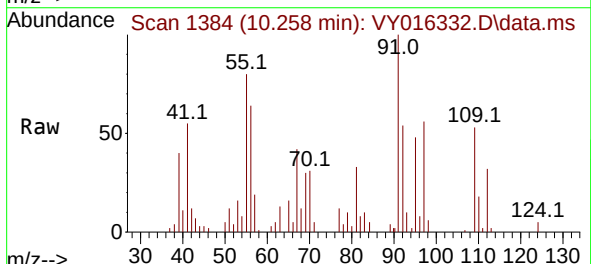
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APPROVED

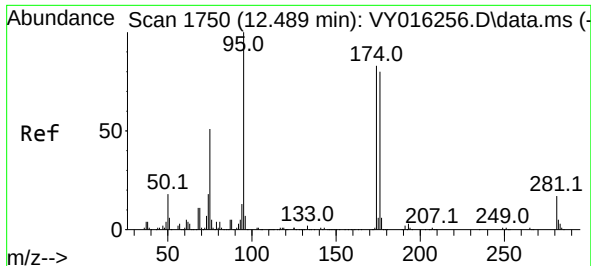
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#52
Toluene
Concen: 4.729 ug/l
RT: 10.258 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VY016332.D
Acq: 13 Nov 2023 18:53

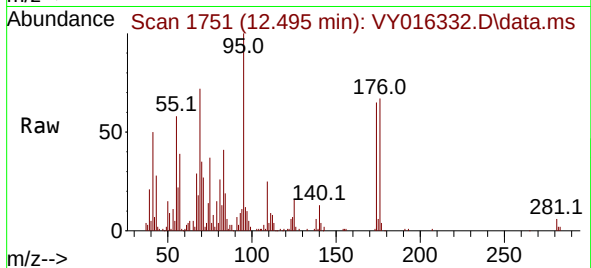
Tgt Ion: 92 Resp: 4355
Ion Ratio Lower Upper
92 100
91 178.9 143.8 215.6





#62
4-Bromofluorobenzene
Concen: 73.577 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016332.D
Acq: 13 Nov 2023 18:53

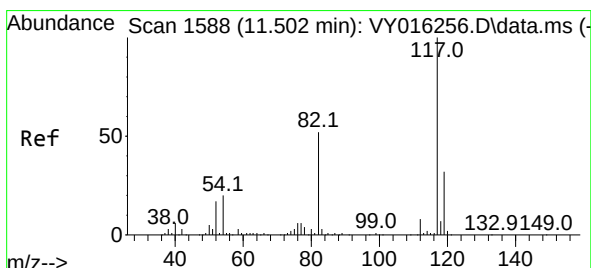
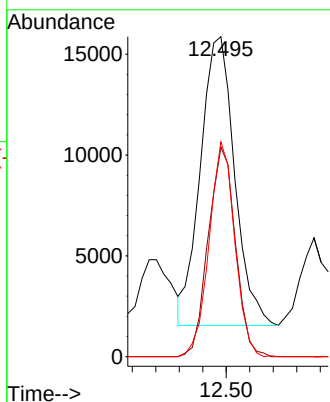
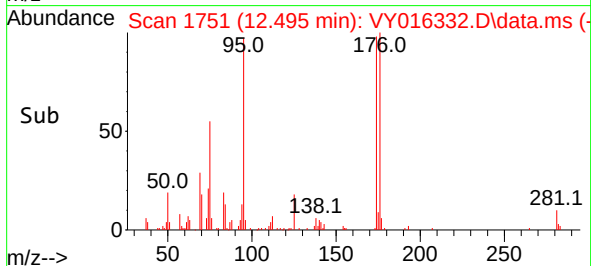
Instrument :
MSVOA_Y
ClientSampleId :
EC-48-WC-1



Tgt Ion: 95 Resp: 28938
Ion Ratio Lower Upper
95 100
174 57.6 0.0 178.2
176 55.8 0.0 173.8

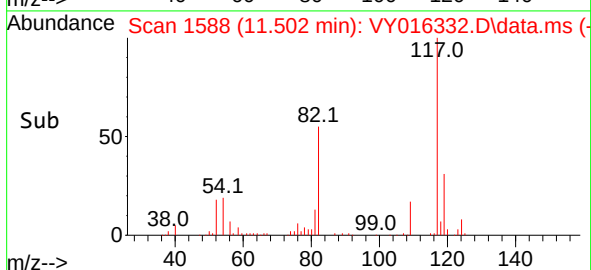
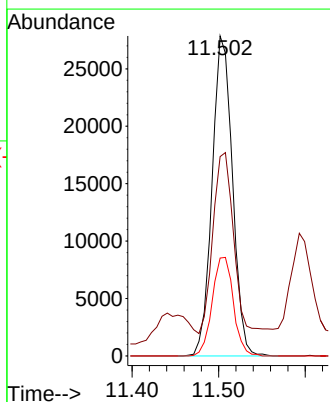
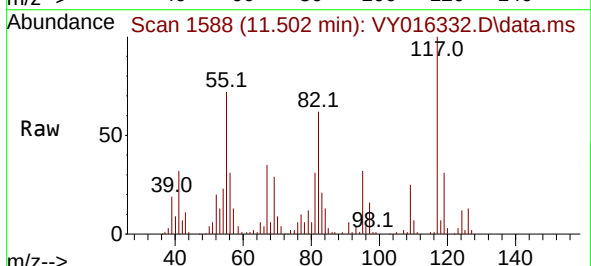
Manual Integrations
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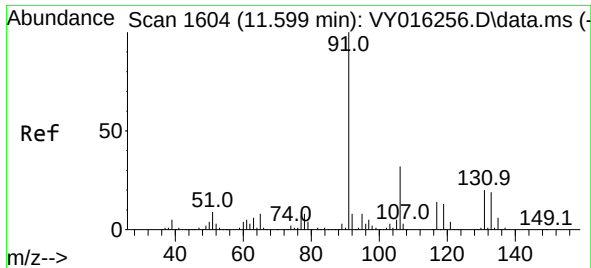
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016332.D
Acq: 13 Nov 2023 18:53

Tgt Ion:117 Resp: 45451
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 30.6 26.3 39.5





#67

Ethyl Benzene

Concen: 100.330 ug/l

RT: 11.605 min Scan# 1605

Delta R.T. 0.006 min

Lab File: VY016332.D

Acq: 13 Nov 2023 18:53

Instrument :

MSVOA_Y

ClientSampleId :

EC-48-WC-1

Tgt Ion: 91 Resp: 175094

Ion Ratio Lower Upper

91 100

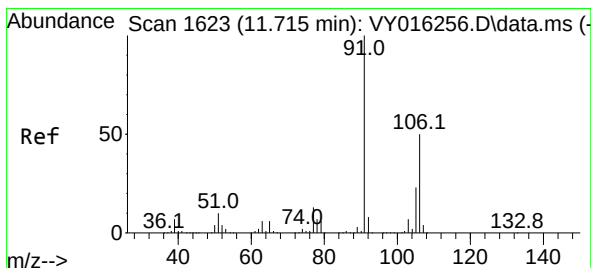
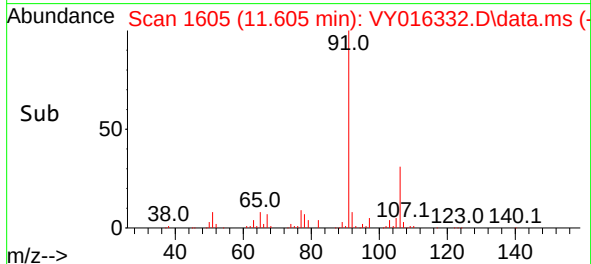
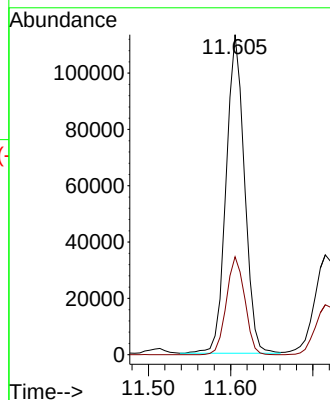
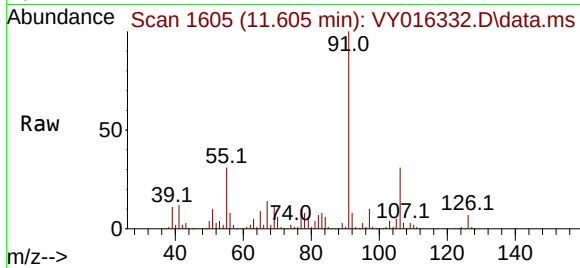
106 30.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023



#68

m/p-Xylenes

Concen: 49.999 ug/l

RT: 11.715 min Scan# 1623

Delta R.T. -0.000 min

Lab File: VY016332.D

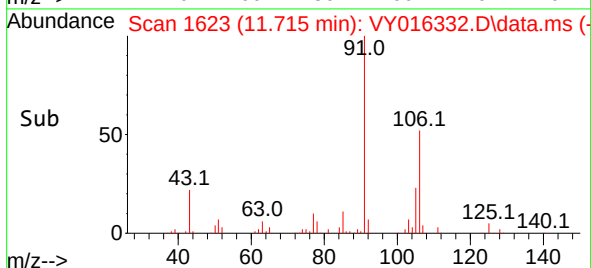
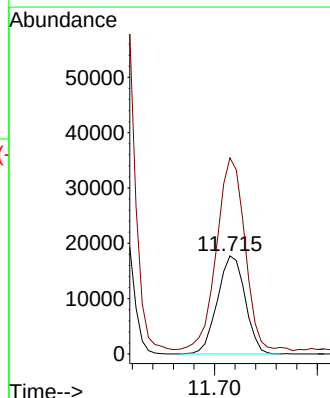
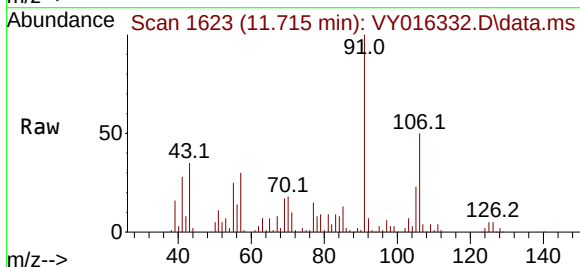
Acq: 13 Nov 2023 18:53

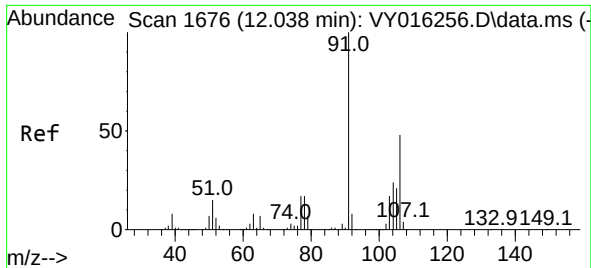
Tgt Ion:106 Resp: 33096

Ion Ratio Lower Upper

106 100

91 202.4 166.1 249.1





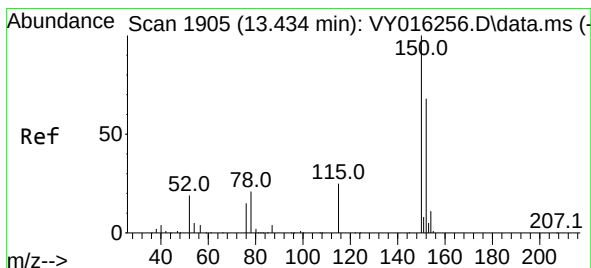
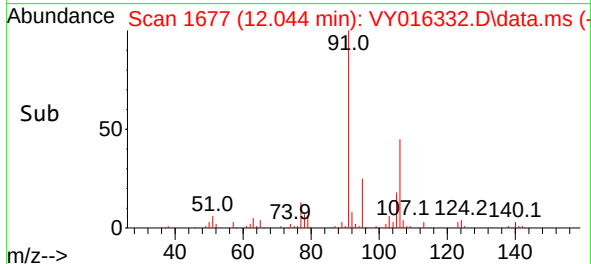
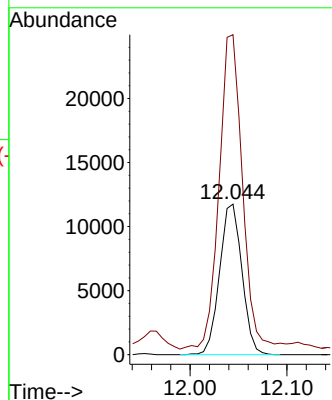
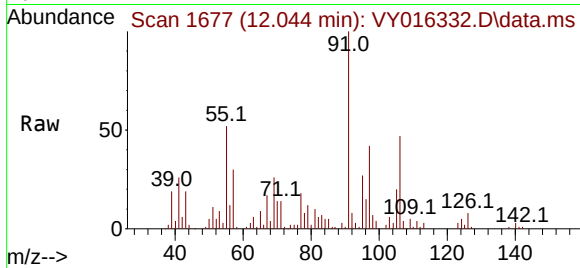
#69
o-Xylene
Concen: 30.646 ug/l
RT: 12.044 min Scan# 106
Delta R.T. 0.006 min
Lab File: VY016332.D
Acq: 13 Nov 2023 18:53

Instrument :
MSVOA_Y
ClientSampleId :
EC-48-WC-1

Tgt Ion:106 Resp: 18834
Ion Ratio Lower Upper
106 100
91 218.6 108.1 324.3

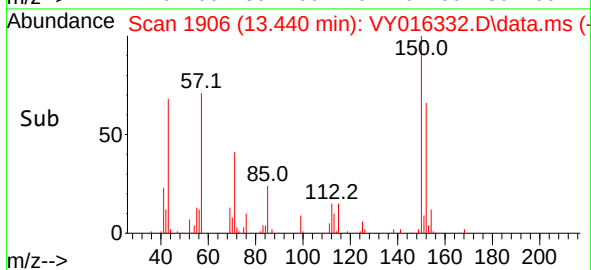
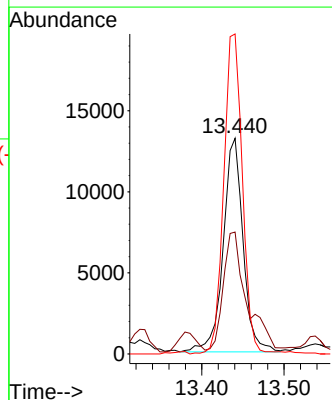
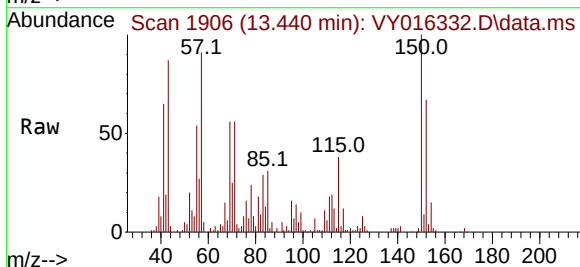
Manual Integrations
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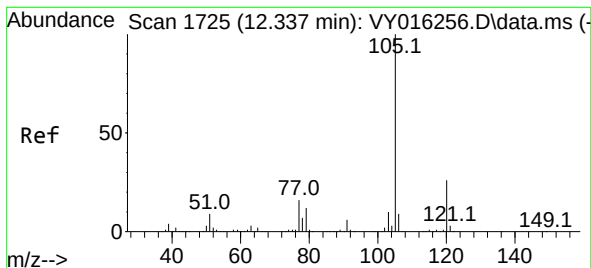
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016332.D
Acq: 13 Nov 2023 18:53

Tgt Ion:152 Resp: 22240
Ion Ratio Lower Upper
152 100
115 64.4 28.8 86.5
150 140.9 0.0 348.8





#73

Isopropylbenzene

Concen: 68.841 ug/l

RT: 12.343 min Scan# 1725

Delta R.T. 0.006 min

Lab File: VY016332.D

Acq: 13 Nov 2023 18:53

Instrument :

MSVOA_Y

ClientSampleId :

EC-48-WC-1

Tgt Ion:105 Resp: 123979

Ion Ratio Lower Upper

105 100

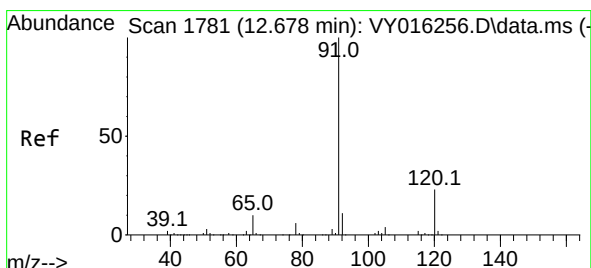
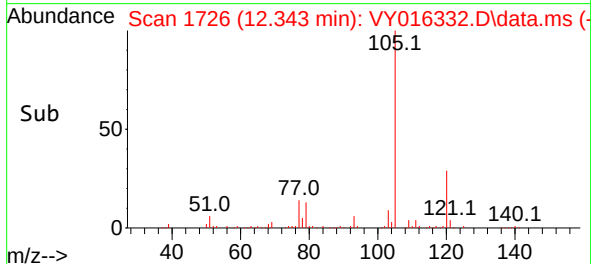
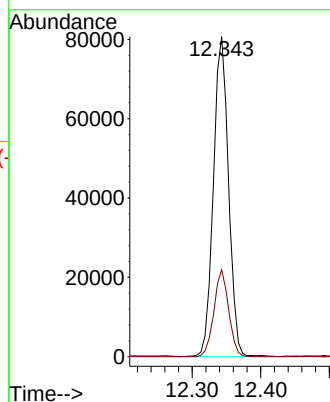
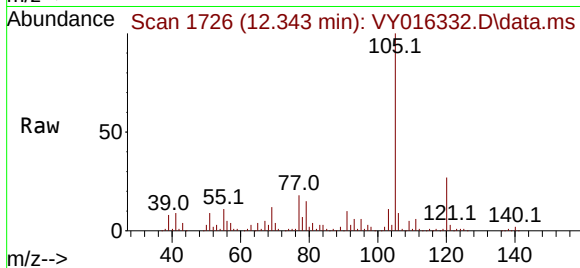
120 26.3 13.3 39.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023



#78

n-propylbenzene

Concen: 209.358 ug/l

RT: 12.684 min Scan# 1782

Delta R.T. 0.006 min

Lab File: VY016332.D

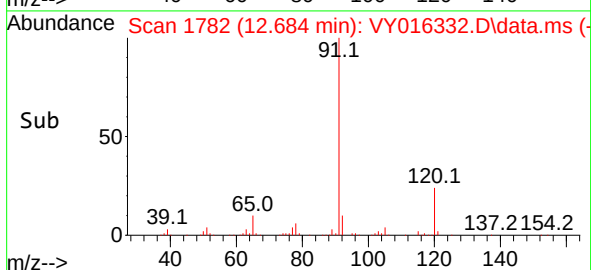
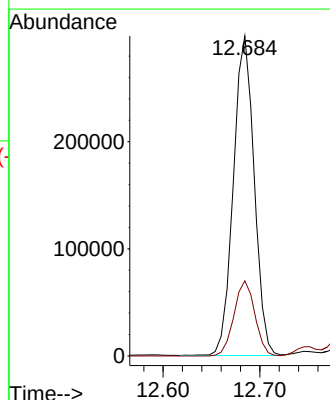
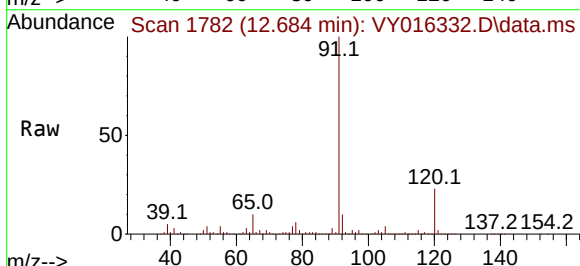
Acq: 13 Nov 2023 18:53

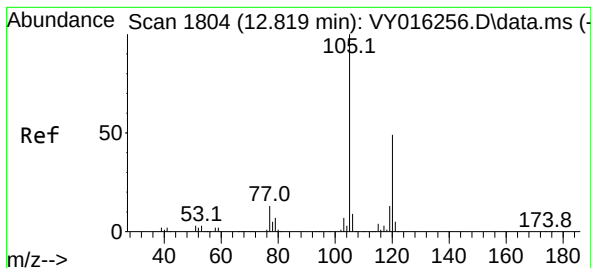
Tgt Ion: 91 Resp: 445585

Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 34.463 ug/l

RT: 12.825 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VY016332.D

Acq: 13 Nov 2023 18:53

Instrument :

MSVOA_Y

ClientSampleId :

EC-48-WC-1

Tgt Ion:105 Resp: 5004

Ion Ratio Lower Upper

105 100

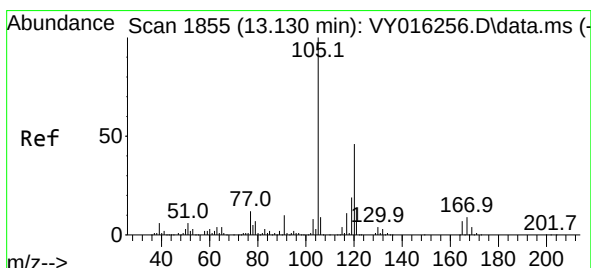
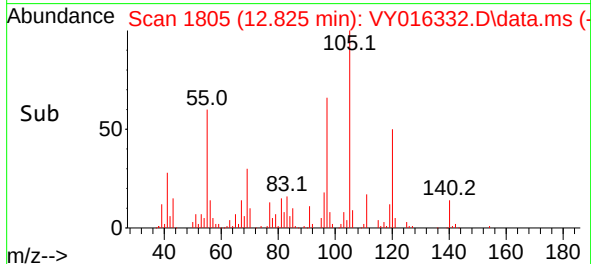
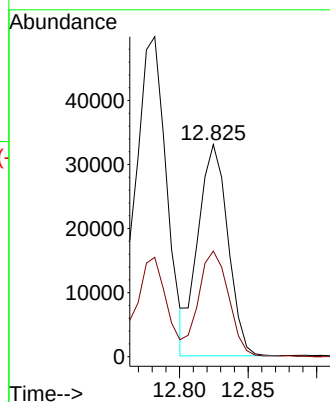
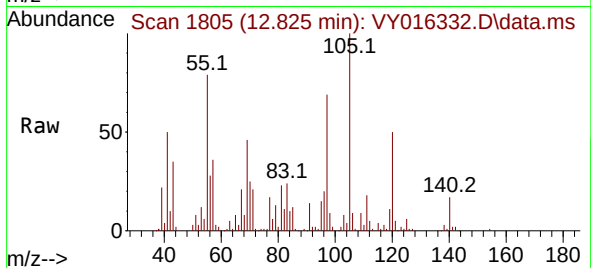
120 51.1 23.9 71.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023



#84

1,2,4-Trimethylbenzene

Concen: 127.541 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. -0.000 min

Lab File: VY016332.D

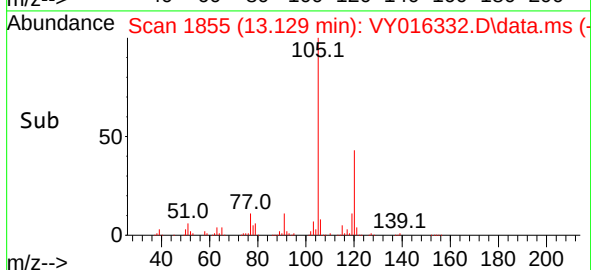
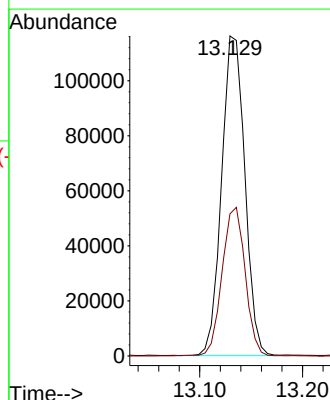
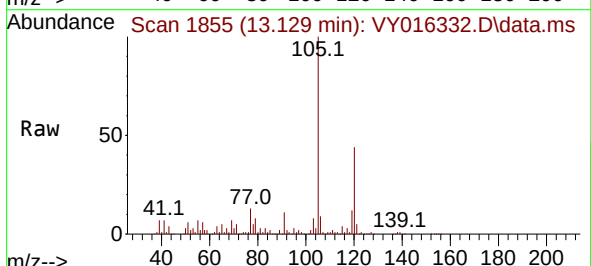
Acq: 13 Nov 2023 18:53

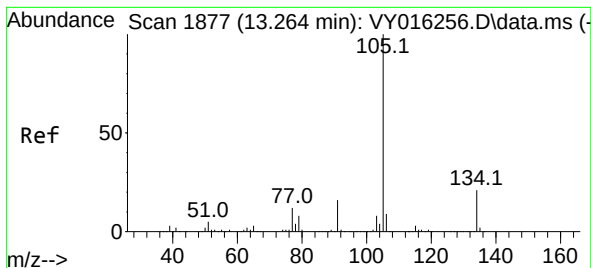
Tgt Ion:105 Resp: 182350

Ion Ratio Lower Upper

105 100

120 46.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 65.464 ug/l

RT: 13.264 min Scan# 1877

Delta R.T. -0.000 min

Lab File: VY016332.D

Acq: 13 Nov 2023 18:53

Instrument :

MSVOA_Y

ClientSampleId :

EC-48-WC-1

Tgt Ion:105 Resp: 11961

Ion Ratio Lower Upper

105 100

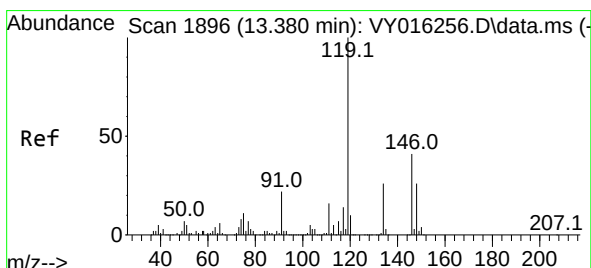
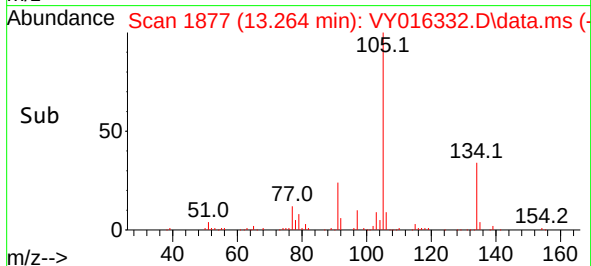
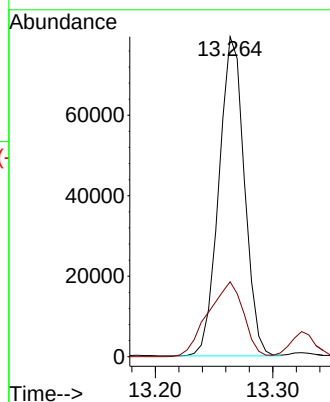
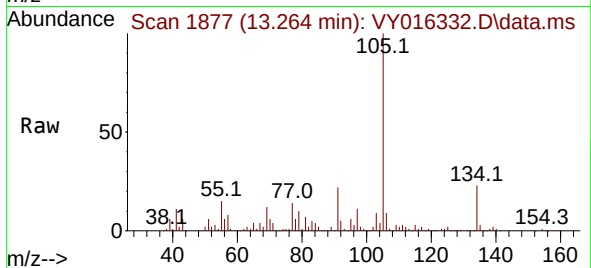
134 32.8 10.2 30.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023



#86

p-Isopropyltoluene

Concen: 15.111 ug/l

RT: 13.379 min Scan# 1896

Delta R.T. -0.000 min

Lab File: VY016332.D

Acq: 13 Nov 2023 18:53

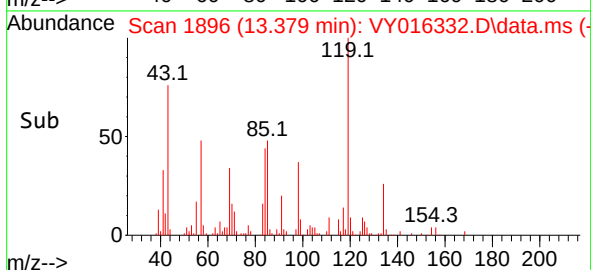
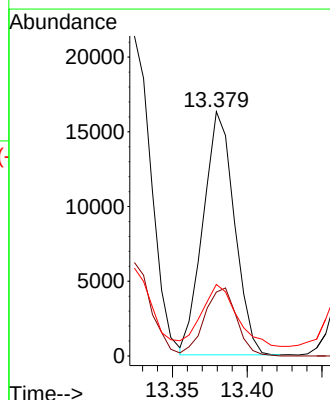
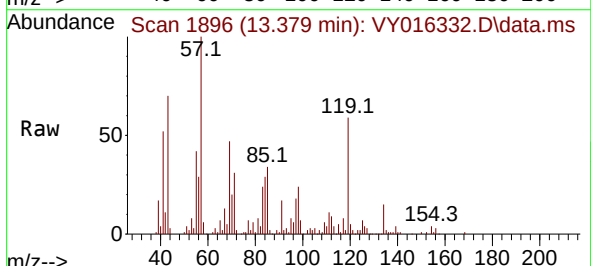
Tgt Ion:119 Resp: 23775

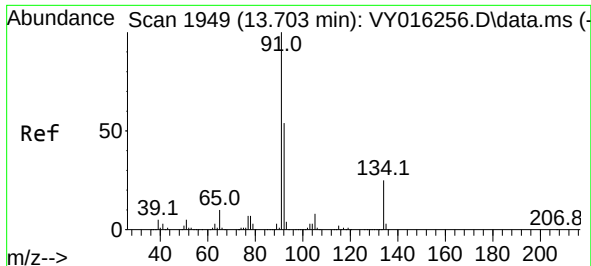
Ion Ratio Lower Upper

119 100

134 28.7 13.3 39.8

91 27.9 12.4 37.4





#89

n-Butylbenzene

Concen: 97.666 ug/l

RT: 13.709 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY016332.D

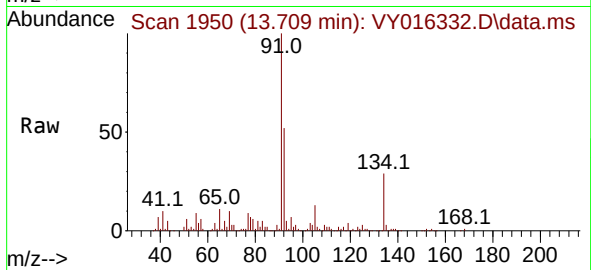
Acq: 13 Nov 2023 18:53

Instrument :

MSVOA_Y

ClientSampleId :

EC-48-WC-1



Tgt Ion: 91	Resp: 14190
Ion Ratio	Lower Upper
91	100
92	44.8 25.4 76.0
134	0.0 12.6 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

