

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
 Data File : VY015765.D
 Acq On : 29 Sep 2023 19:49
 Operator : SY/MD
 Sample : 04622-02
 Misc : 4.74g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 I-4(0-5)

Quant Time: Sep 30 01:17:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/02/2023
 Supervised By :Semsettin Yesilyurt 10/02/2023

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	131170	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	229471	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	205930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	87098	60.349	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.700%			
35) Dibromofluoromethane	7.728	113	74026	53.897	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.800%			
50) Toluene-d8	10.191	98	272802	58.580	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 117.160%			
62) 4-Bromofluorobenzene	12.489	95	88569	48.464	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.920%			
Target Compounds					Qvalue	
16) Acetone	3.972	43	30556	39.562	ug/l	97
17) Carbon Disulfide	4.204	76	154665	68.991	ug/l	98
20) Methylene Chloride	4.728	84	22347	9.269	ug/l	93
25) 2-Butanone	7.015	43	11502	10.536	ug/l	94
40) Benzene	8.173	78	510372	82.412	ug/l	99
52) Toluene	10.252	92	1661865	416.244	ug/l	94
67) Ethyl Benzene	11.599	91	1918682	244.208	ug/l	99
68) m/p-Xylenes	11.703	106	1433285	479.958	ug/l	96
69) o-Xylene	12.038	106	800422	273.344	ug/l	98
70) Styrene	12.050	104	858241	171.226	ug/l	97
73) Isopropylbenzene	12.337	105	173262	30.439	ug/l	100
78) n-propylbenzene	12.678	91	272855	39.457	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	866252	181.784	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	2375007	498.115	ug/l	98
85) sec-Butylbenzene	13.257	105	21230m	3.399	ug/l	
86) p-Isopropyltoluene	13.373	119	152661	29.260	ug/l	97
89) n-Butylbenzene	13.702	91	57590	11.657	ug/l #	68

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

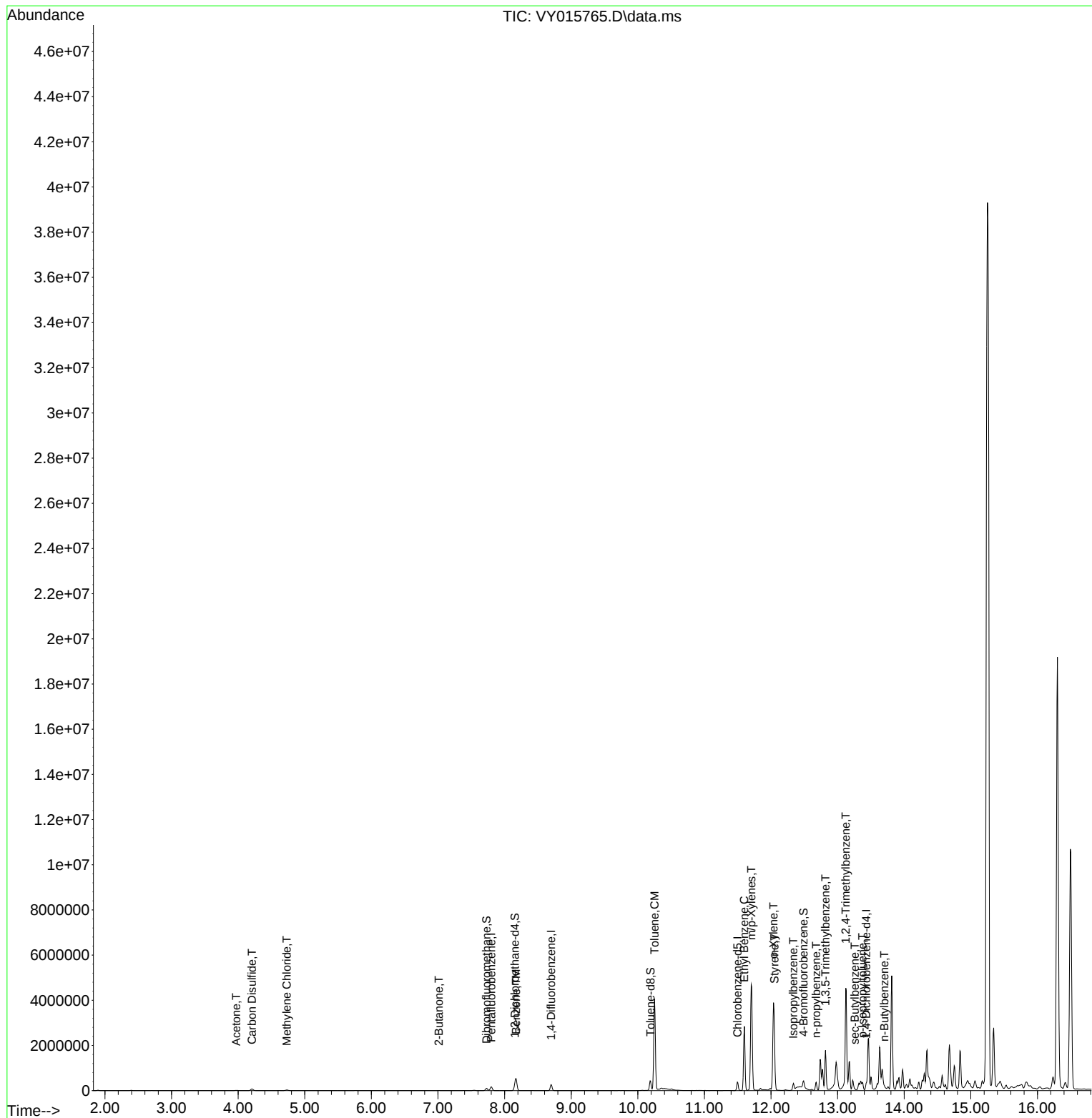
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
Data File : VY015765.D
Acq On : 29 Sep 2023 19:49
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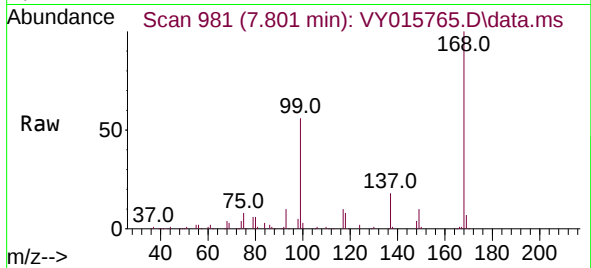
Quant Time: Sep 30 01:17:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015765.D
Acq: 29 Sep 2023 19:49

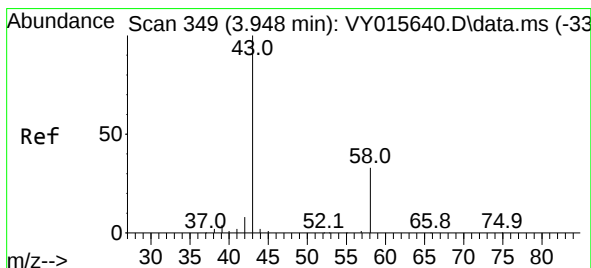
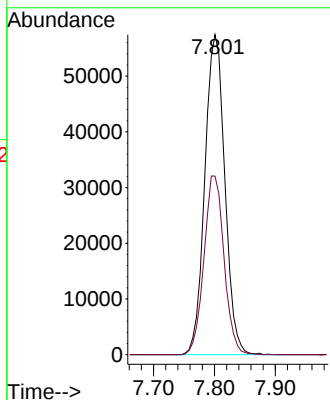
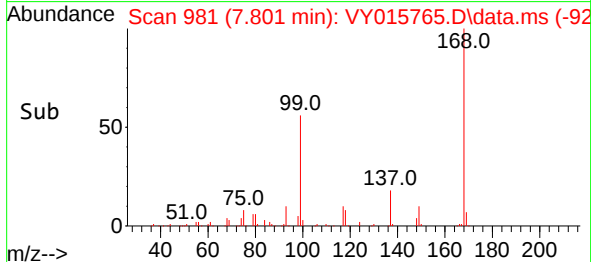
Instrument :
MSVOA_Y
ClientSampleId :
I-4(0-5)



Tgt Ion:168 Resp: 131170
Ion Ratio Lower Upper
168 100
99 55.8 43.4 65.0

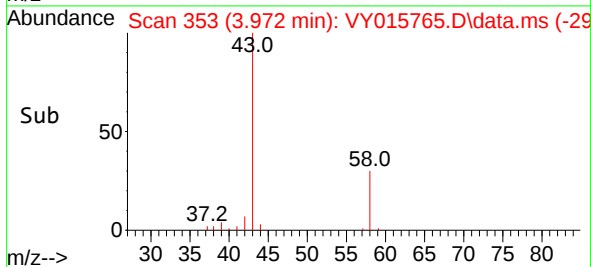
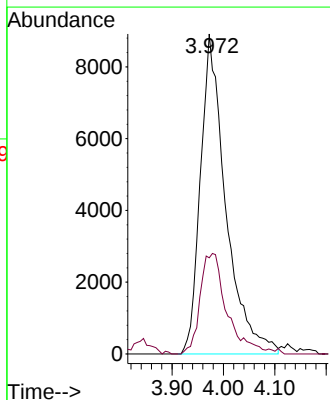
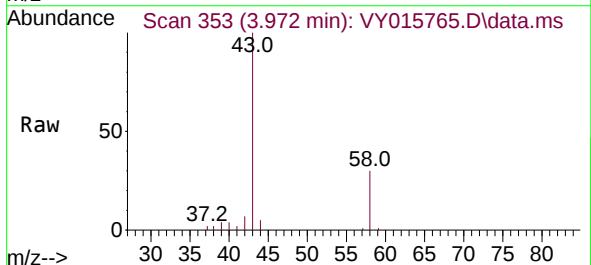
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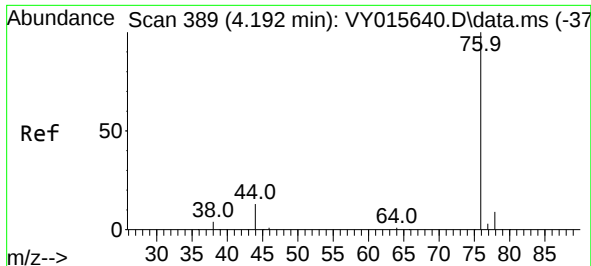
Reviewed By :Mahesh Dadoda 10/02/2023
Supervised By :Semsettin Yesilyurt 10/02/2023



#16
Acetone
Concen: 39.562 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.030 min
Lab File: VY015765.D
Acq: 29 Sep 2023 19:49

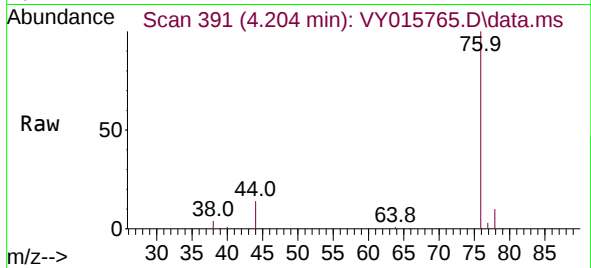
Tgt Ion: 43 Resp: 30556
Ion Ratio Lower Upper
43 100
58 30.1 22.7 34.1





#17
Carbon Disulfide
Concen: 68.991 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.018 min
Lab File: VY015765.D
Acq: 29 Sep 2023 19:49

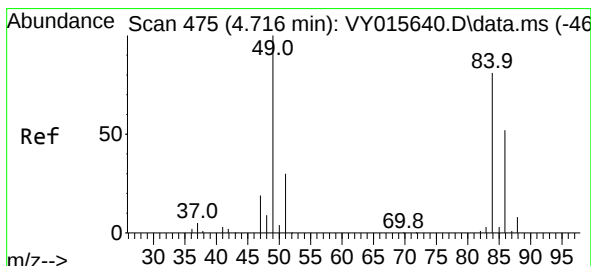
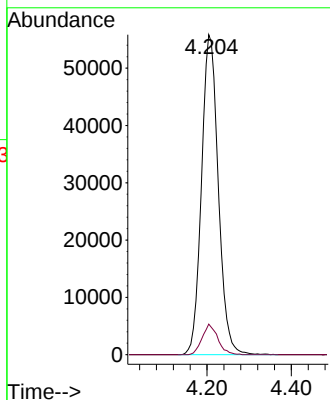
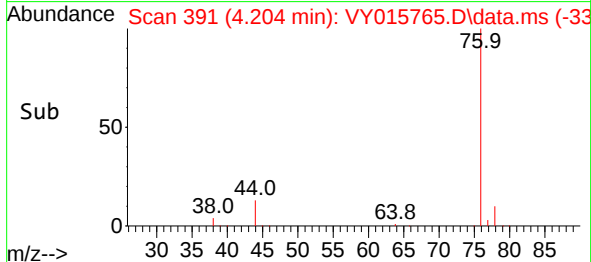
Instrument :
MSVOA_Y
ClientSampleId :
I-4(0-5)



Tgt Ion: 76 Resp: 15466
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.4

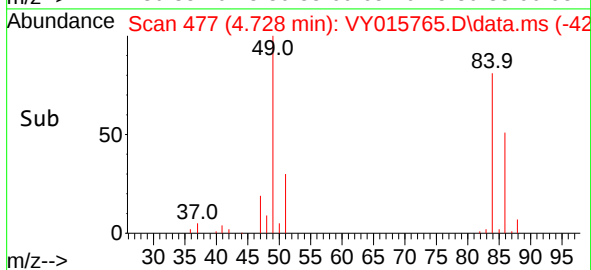
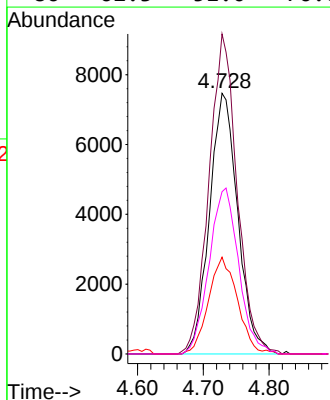
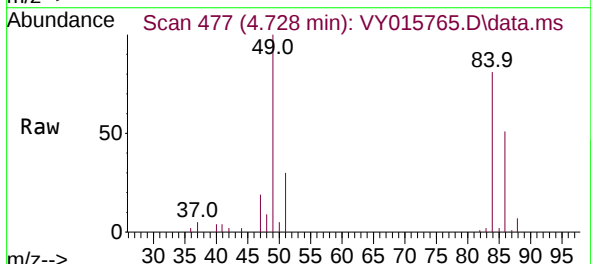
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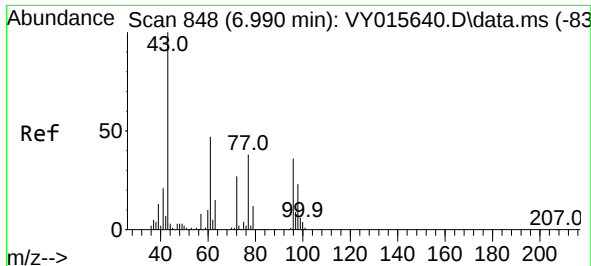
Reviewed By :Mahesh Dadoda 10/02/2023
Supervised By :Semsettin Yesilyurt 10/02/2023



#20
Methylene Chloride
Concen: 9.269 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.024 min
Lab File: VY015765.D
Acq: 29 Sep 2023 19:49

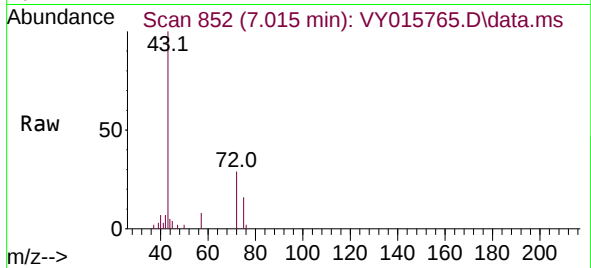
Tgt Ion: 84 Resp: 22347
Ion Ratio Lower Upper
84 100
49 122.8 106.9 160.3
51 37.2 33.2 49.8
86 62.3 51.0 76.6





#25
2-Butanone
Concen: 10.536 ug/l
RT: 7.015 min Scan# 81
Delta R.T. 0.037 min
Lab File: VY015765.D
Acq: 29 Sep 2023 19:49

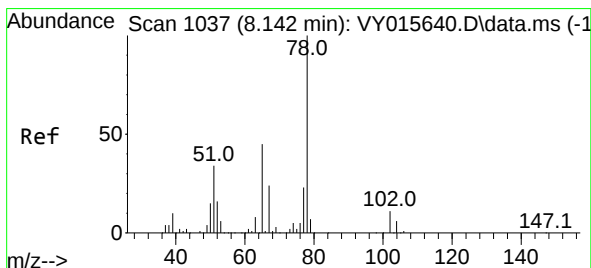
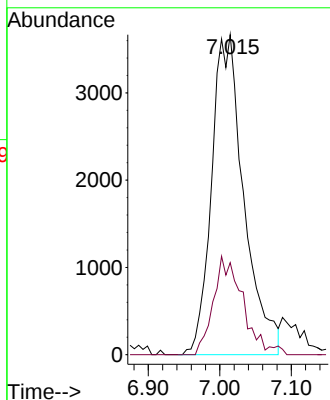
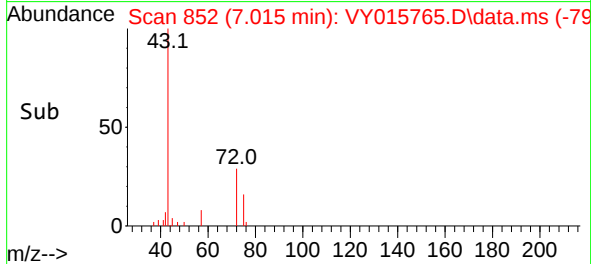
Instrument :
MSVOA_Y
ClientSampleId :
I-4(0-5)



Tgt Ion: 43 Resp: 11502
Ion Ratio Lower Upper
43 100
72 28.7 20.5 30.7

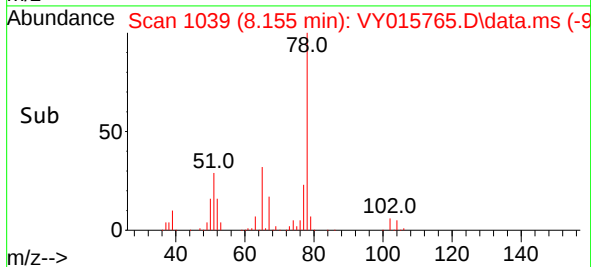
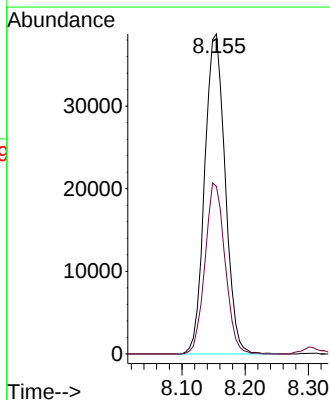
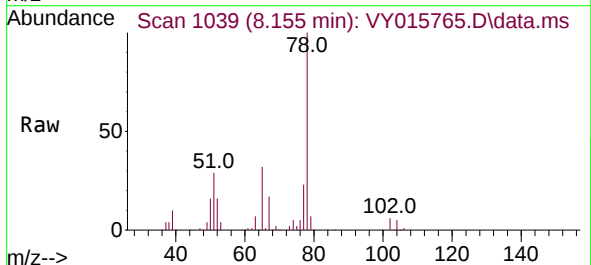
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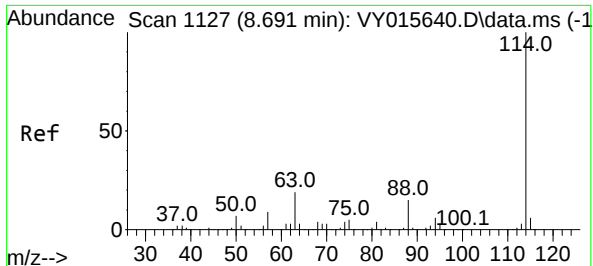
Reviewed By :Mahesh Dadoda 10/02/2023
Supervised By :Semsettin Yesilyurt 10/02/2023



#33
1,2-Dichloroethane-d4
Concen: 60.349 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.019 min
Lab File: VY015765.D
Acq: 29 Sep 2023 19:49

Tgt Ion: 65 Resp: 87098
Ion Ratio Lower Upper
65 100
67 52.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.012 min

Lab File: VY015765.D

Acq: 29 Sep 2023 19:49

Instrument :

MSVOA_Y

ClientSampleId :

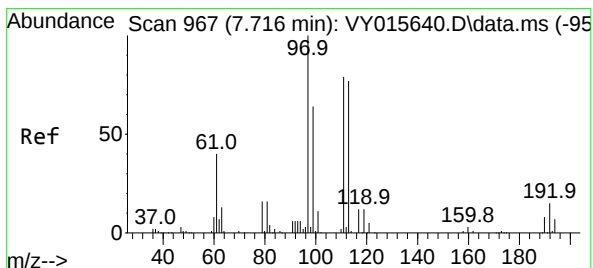
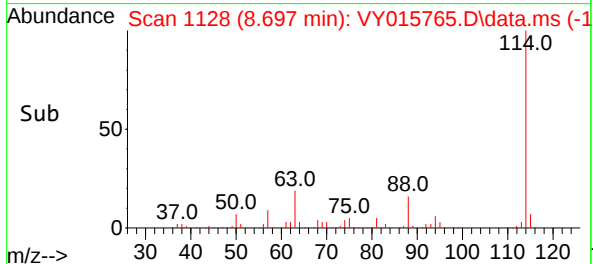
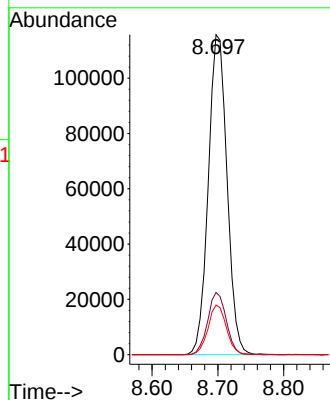
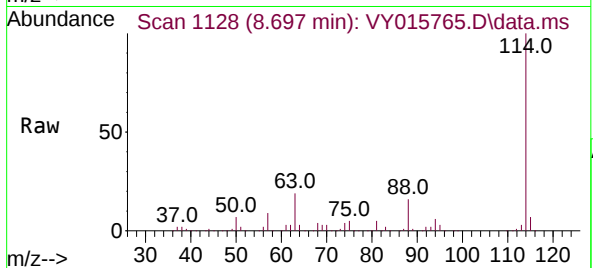
1-4(0-5)

Tgt Ion:114	Resp:	22947
Ion Ratio	Lower	Upper
114	100	
63	19.4	0.0 42.4
88	15.5	0.0 30.6

Manual Integrations

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#35

Dibromofluoromethane

Concen: 53.897 ug/l

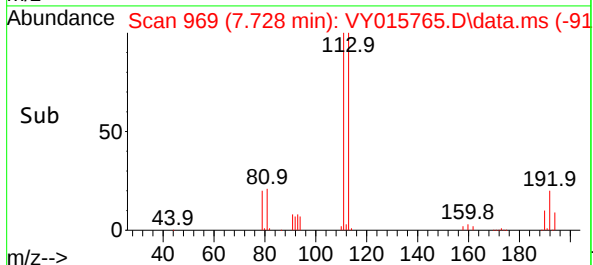
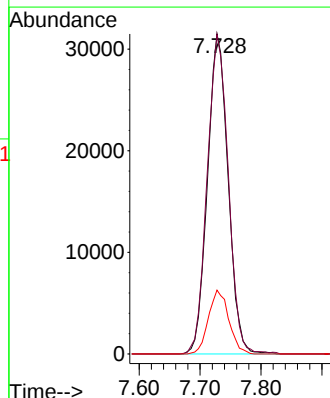
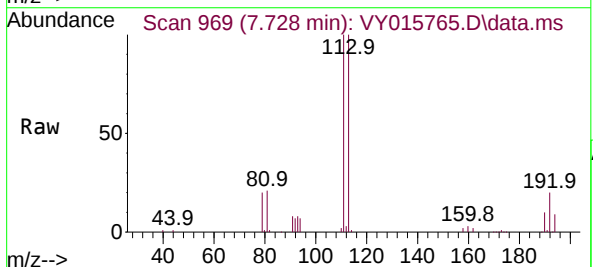
RT: 7.728 min Scan# 969

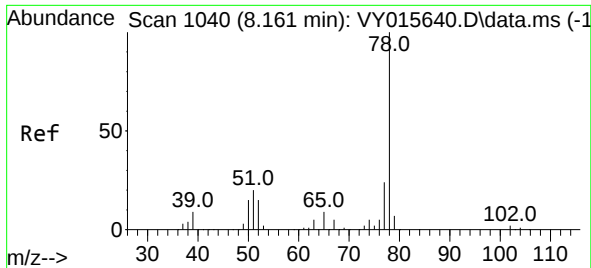
Delta R.T. 0.012 min

Lab File: VY015765.D

Acq: 29 Sep 2023 19:49

Tgt Ion:113	Resp:	74026
Ion Ratio	Lower	Upper
113	100	
111	102.2	81.3 121.9
192	19.7	16.9 25.3





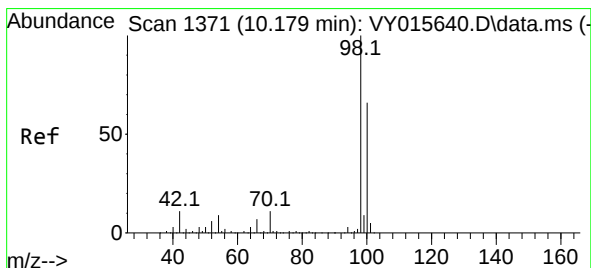
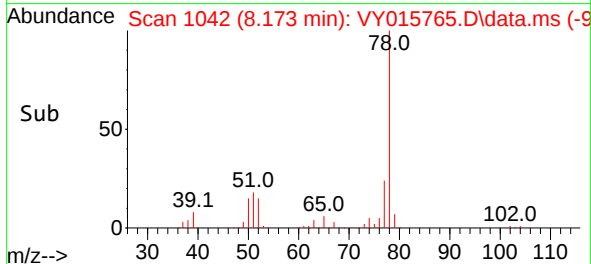
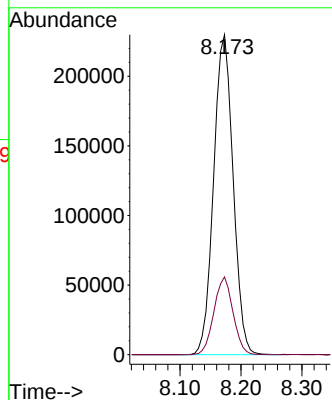
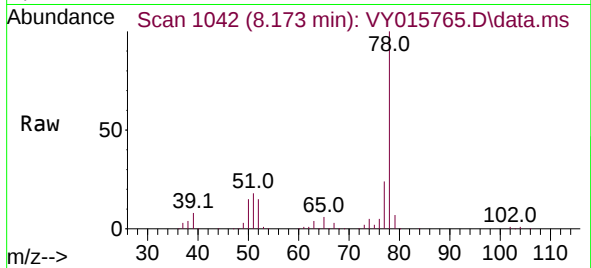
#40
Benzene
Concen: 82.412 ug/l
RT: 8.173 min Scan# 1040
Delta R.T. 0.024 min
Lab File: VY015765.D
Acq: 29 Sep 2023 19:49

Instrument :
MSVOA_Y
ClientSampleId :
I-4(0-5)

Tgt Ion: 78 Resp: 510372
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6

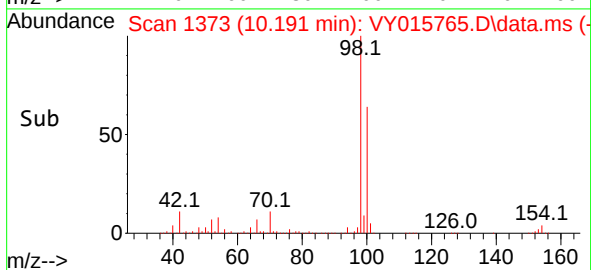
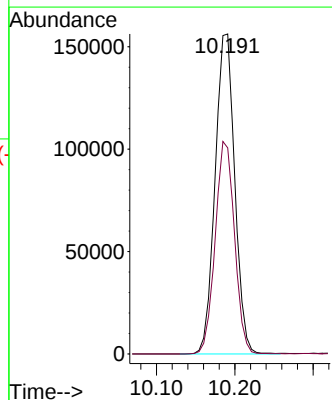
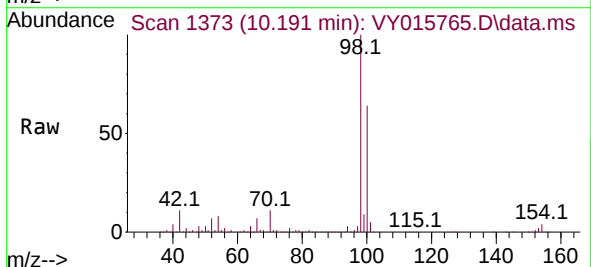
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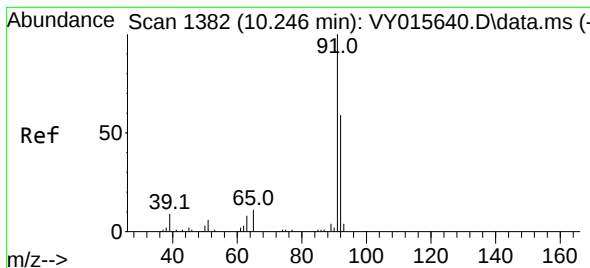
Reviewed By :Mahesh Dadoda 10/02/2023
Supervised By :Semsettin Yesilyurt 10/02/2023



#50
Toluene-d8
Concen: 58.580 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.012 min
Lab File: VY015765.D
Acq: 29 Sep 2023 19:49

Tgt Ion: 98 Resp: 272802
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1





#52

Toluene

Concen: 416.244 ug/l

RT: 10.252 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY015765.D

Acq: 29 Sep 2023 19:49

Instrument :

MSVOA_Y

ClientSampleId :

1-4(0-5)

Tgt Ion: 92 Resp: 166186

Ion Ratio Lower Upper

92 100

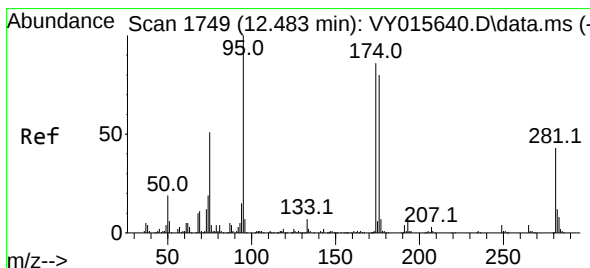
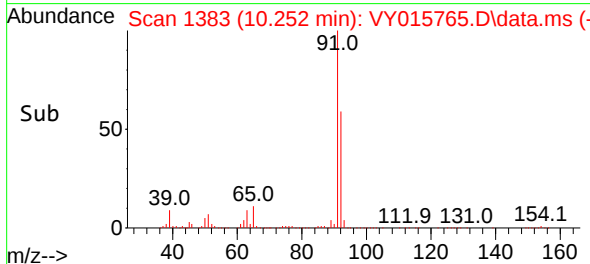
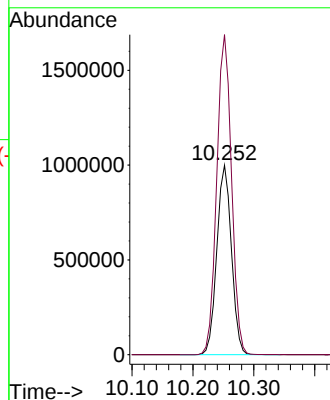
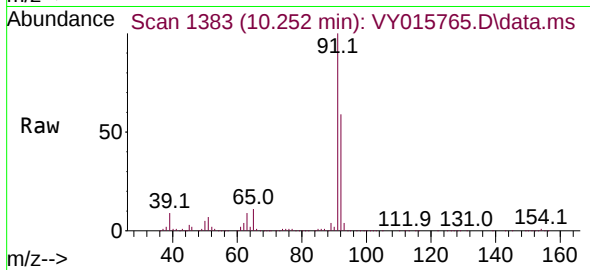
91 170.7 143.8 215.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 10/02/2023



#62

4-Bromofluorobenzene

Concen: 48.464 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.012 min

Lab File: VY015765.D

Acq: 29 Sep 2023 19:49

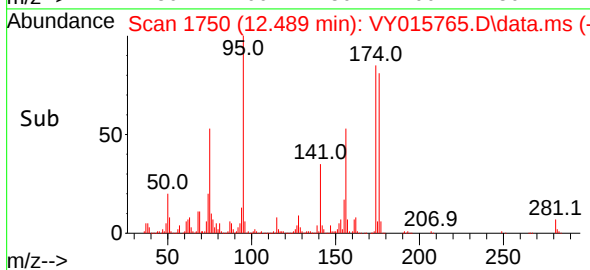
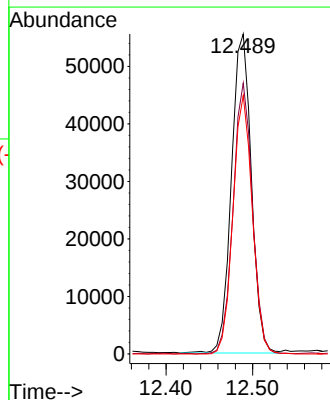
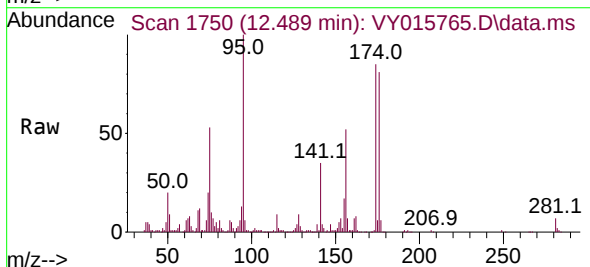
Tgt Ion: 95 Resp: 88569

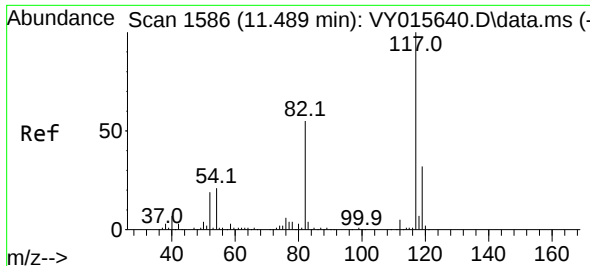
Ion Ratio Lower Upper

95 100

174 82.6 0.0 178.2

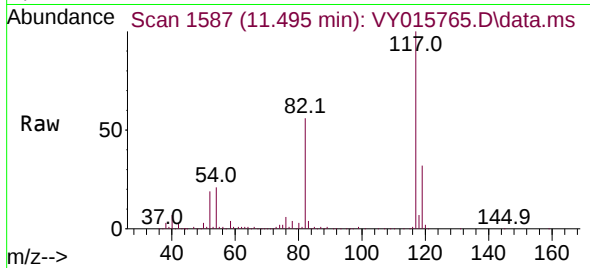
176 78.8 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015765.D
Acq: 29 Sep 2023 19:49

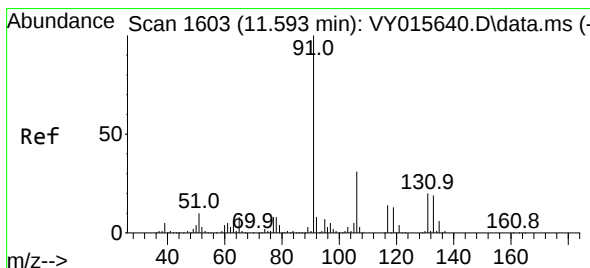
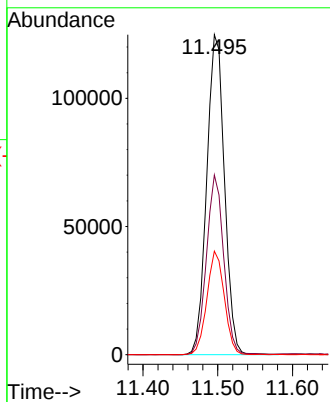
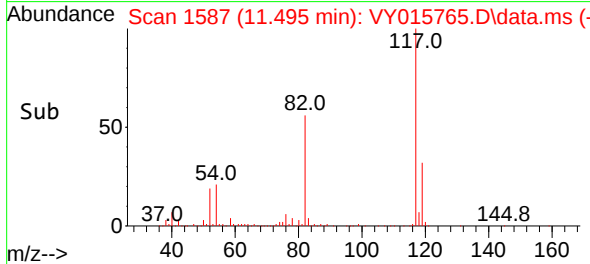
Instrument :
MSVOA_Y
ClientSampleId :
1-4(0-5)



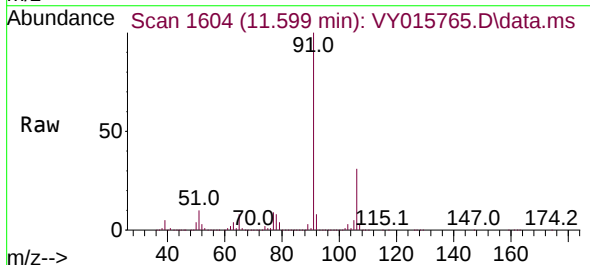
Tgt Ion:117 Resp: 205930
Ion Ratio Lower Upper
117 100
82 56.1 43.4 65.0
119 32.3 26.3 39.5

Manual Integrations
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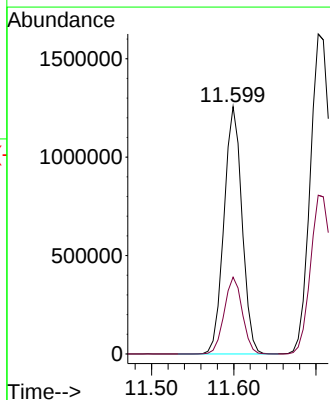
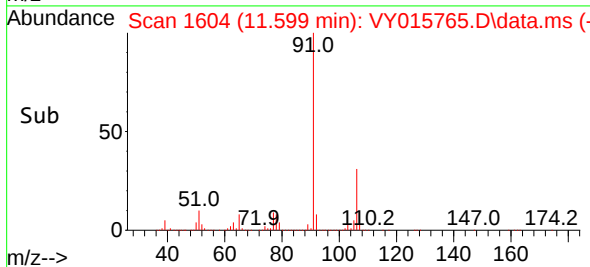
Reviewed By :Mahesh Dadoda 10/02/2023
Supervised By :Semsettin Yesilyurt 10/02/2023

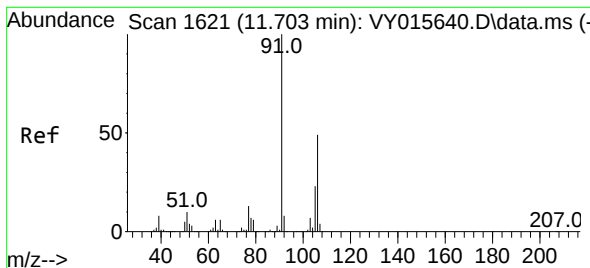


#67
Ethyl Benzene
Concen: 244.208 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.012 min
Lab File: VY015765.D
Acq: 29 Sep 2023 19:49



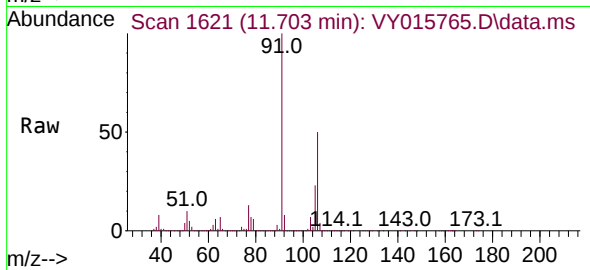
Tgt Ion: 91 Resp: 1918682
Ion Ratio Lower Upper
91 100
106 31.1 24.6 36.8





#68
m/p-Xylenes
Concen: 479.958 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY015765.D
Acq: 29 Sep 2023 19:49

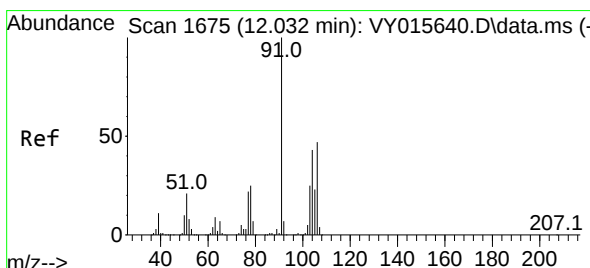
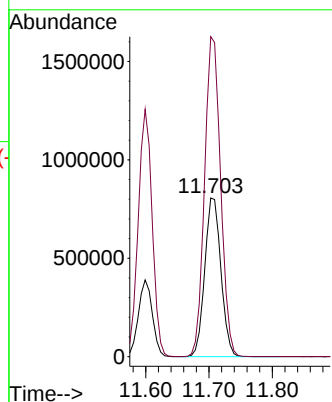
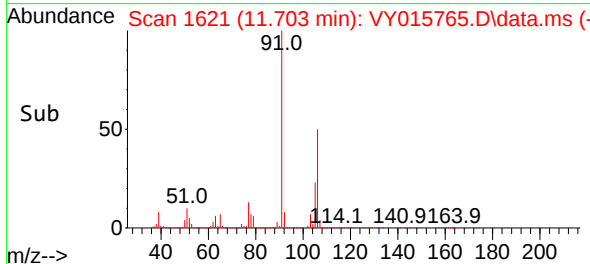
Instrument :
MSVOA_Y
ClientSampleId :
I-4(0-5)



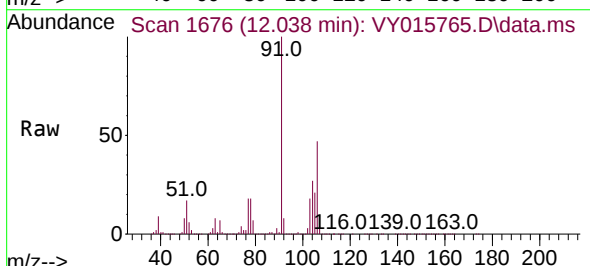
Tgt Ion:106 Resp: 143328
Ion Ratio Lower Upper
106 100
91 200.8 166.1 249.1

Manual Integrations
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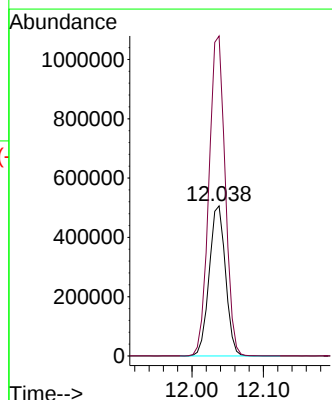
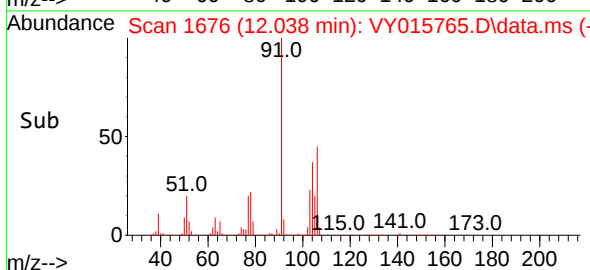
Reviewed By :Mahesh Dadoda 10/02/2023
Supervised By :Semsettin Yesilyurt 10/02/2023

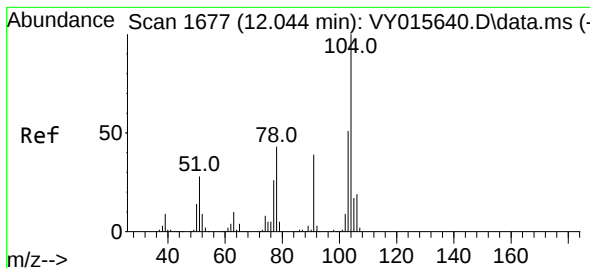


#69
o-Xylene
Concen: 273.344 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.012 min
Lab File: VY015765.D
Acq: 29 Sep 2023 19:49



Tgt Ion:106 Resp: 800422
Ion Ratio Lower Upper
106 100
91 212.6 108.1 324.3





#70

Styrene

Concen: 171.226 ug/l

RT: 12.050 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015765.D

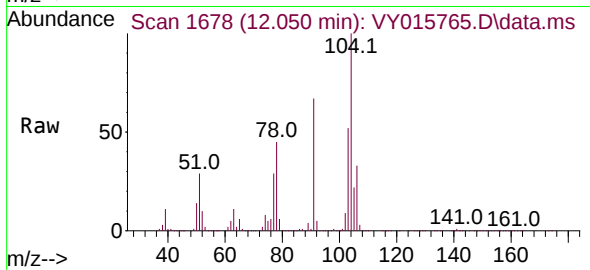
Acq: 29 Sep 2023 19:49

Instrument :

MSVOA_Y

ClientSampleId :

I-4(0-5)



Tgt Ion:104 Resp: 85824

Ion Ratio Lower Upper

104 100

78 53.2 41.5 62.3

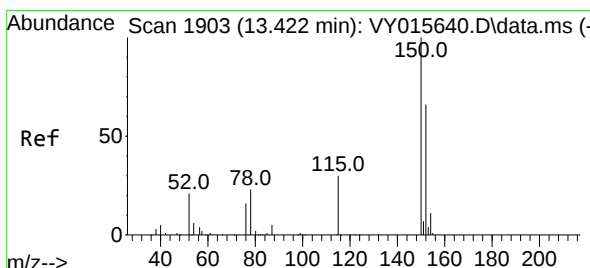
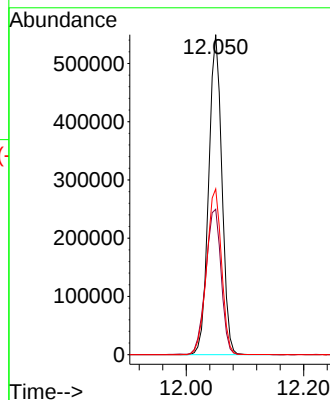
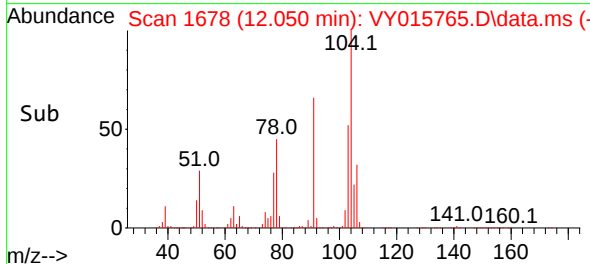
103 58.3 44.6 67.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/02/2023

Supervised By :Semsettin Yesilyurt 10/02/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015765.D

Acq: 29 Sep 2023 19:49

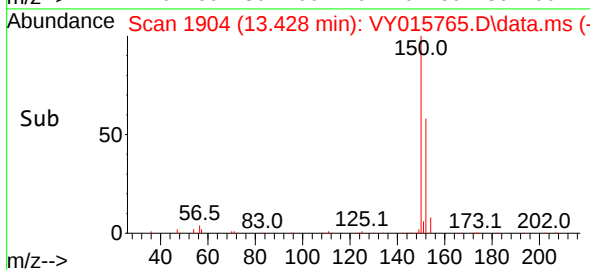
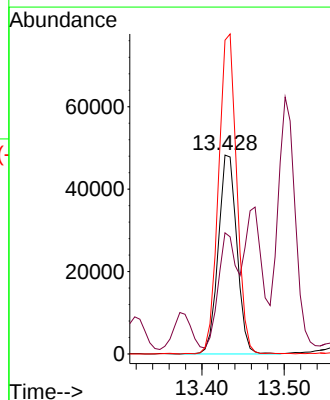
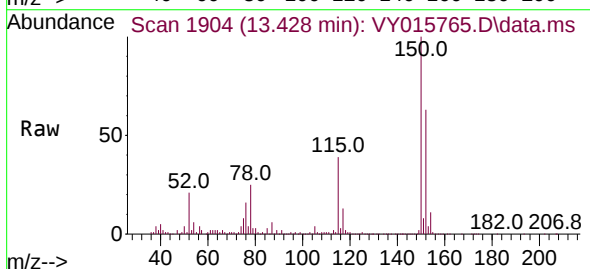
Tgt Ion:152 Resp: 75878

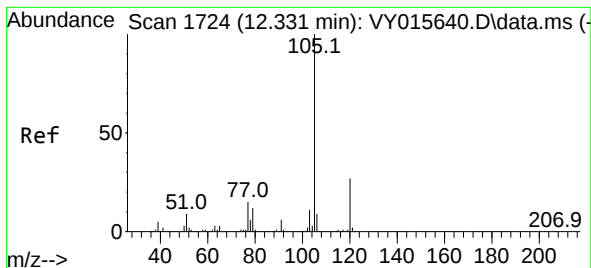
Ion Ratio Lower Upper

152 100

115 59.3 28.8 86.5

150 157.2 0.0 348.8





#73

Isopropylbenzene

Concen: 30.439 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.012 min

Lab File: VY015765.D

Acq: 29 Sep 2023 19:49

Instrument :

MSVOA_Y

ClientSampleId :

I-4(0-5)

Tgt Ion:105 Resp: 173262

Ion Ratio Lower Upper

105 100

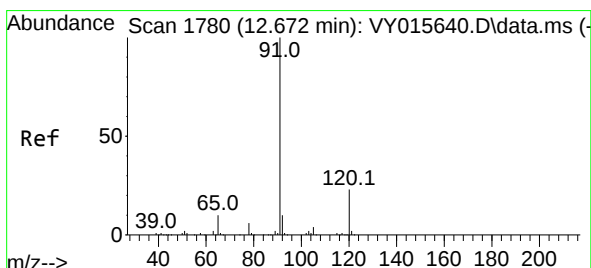
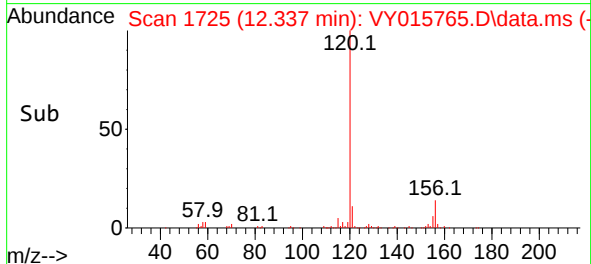
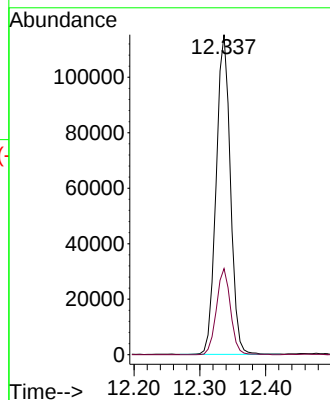
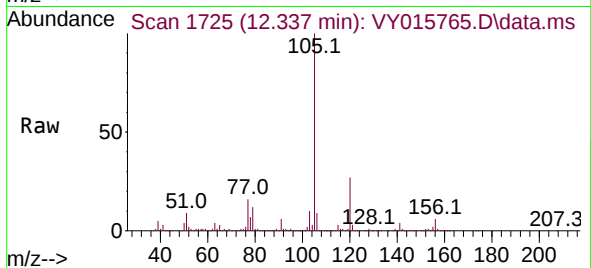
120 26.7 13.3 39.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/02/2023

Supervised By :Semsettin Yesilyurt 10/02/2023



#78

n-propylbenzene

Concen: 39.457 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. 0.012 min

Lab File: VY015765.D

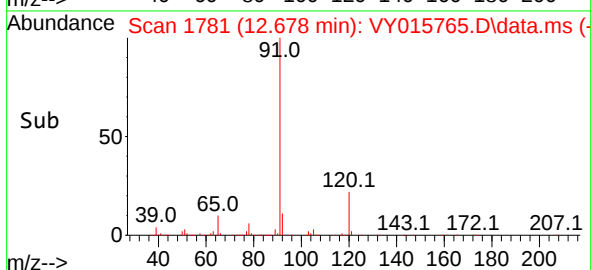
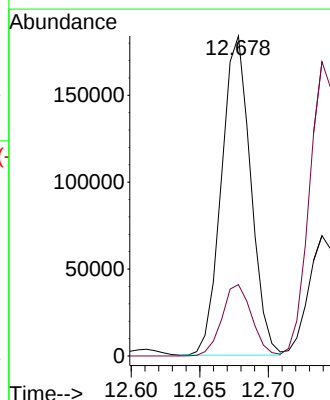
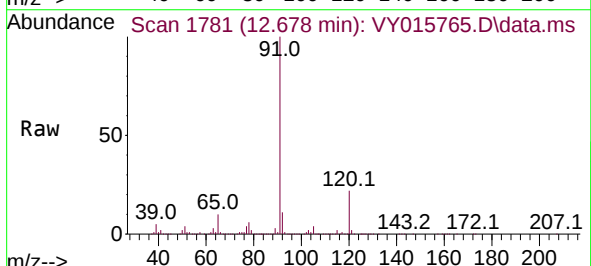
Acq: 29 Sep 2023 19:49

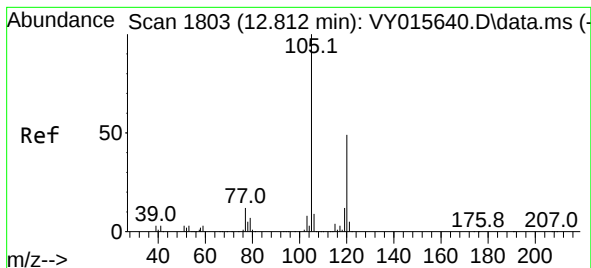
Tgt Ion: 91 Resp: 272855

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 181.784 ug/l

RT: 12.818 min Scan# 1803

Delta R.T. 0.006 min

Lab File: VY015765.D

Acq: 29 Sep 2023 19:49

Instrument :

MSVOA_Y

ClientSampleId :

1-4(0-5)

Tgt Ion:105 Resp: 86625

Ion Ratio Lower Upper

105 100

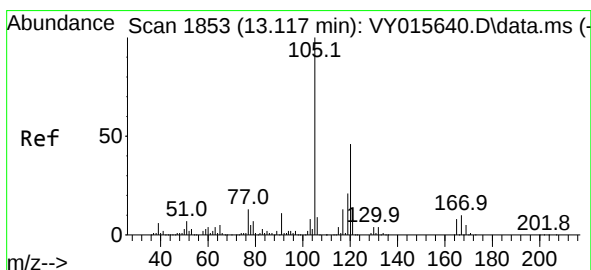
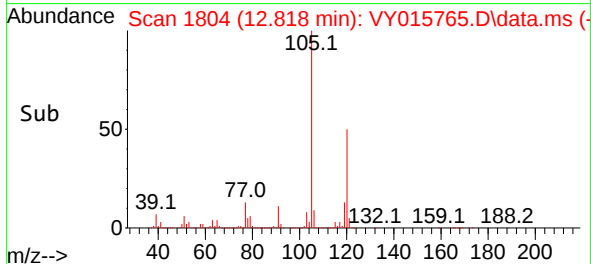
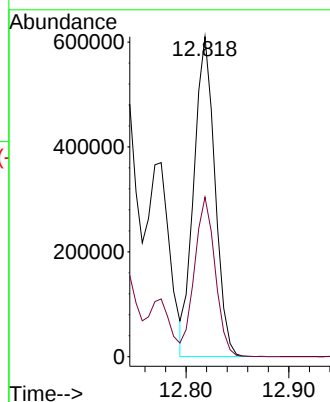
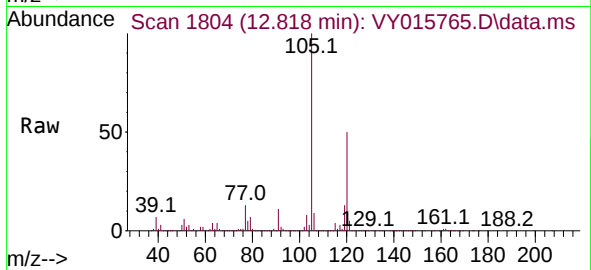
120 49.3 23.9 71.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/02/2023

Supervised By :Semsettin Yesilyurt 10/02/2023



#84

1,2,4-Trimethylbenzene

Concen: 498.115 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY015765.D

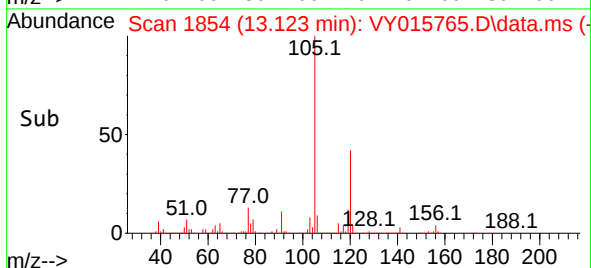
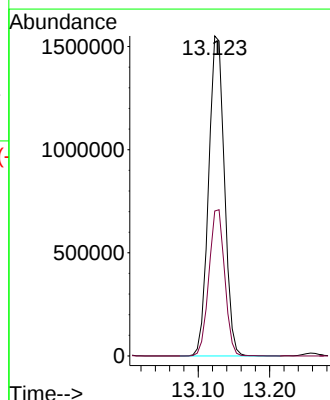
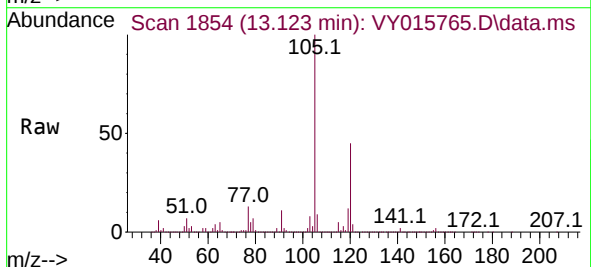
Acq: 29 Sep 2023 19:49

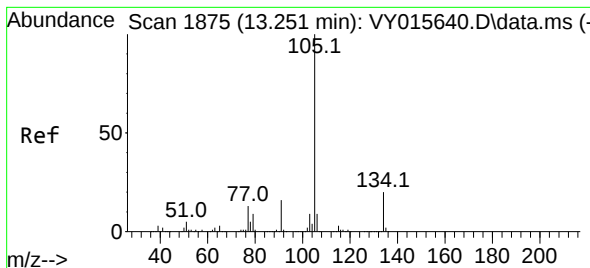
Tgt Ion:105 Resp: 2375007

Ion Ratio Lower Upper

105 100

120 45.7 22.2 66.6





#85

sec-Butylbenzene

Concen: 3.399 ug/l m

RT: 13.257 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VY015765.D

Acq: 29 Sep 2023 19:49

Instrument :

MSVOA_Y

ClientSampleId :

1-4(0-5)

Tgt Ion:105 Resp: 21230

Ion Ratio Lower Upper

105 100

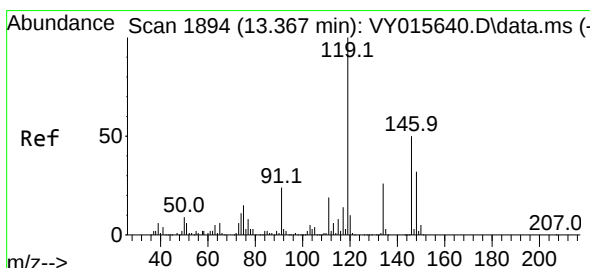
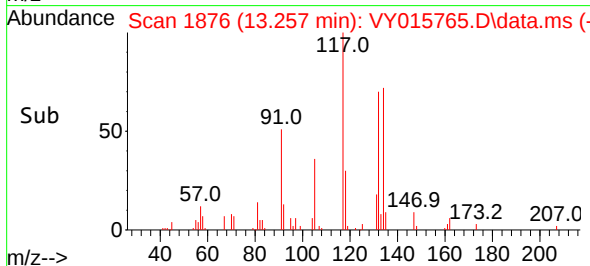
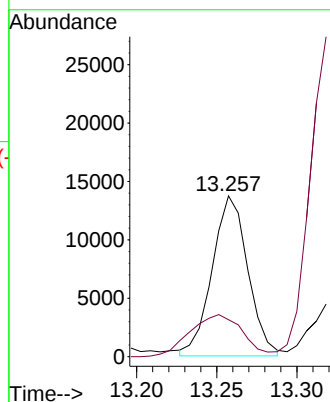
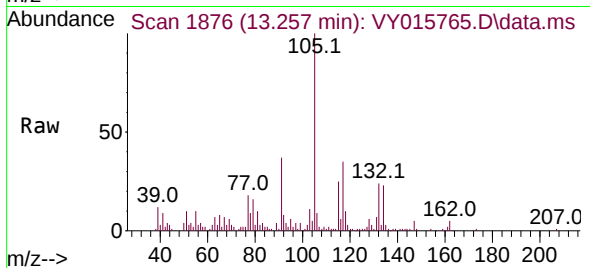
134 0.0 10.2 30.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/02/2023

Supervised By :Semsettin Yesilyurt 10/02/2023



#86

p-Isopropyltoluene

Concen: 29.260 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY015765.D

Acq: 29 Sep 2023 19:49

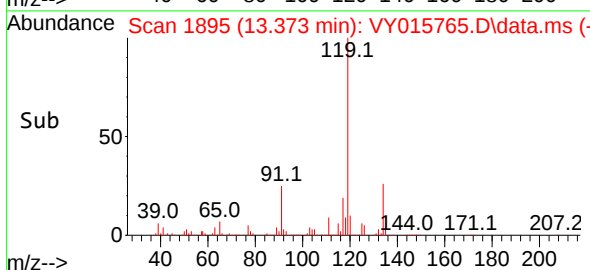
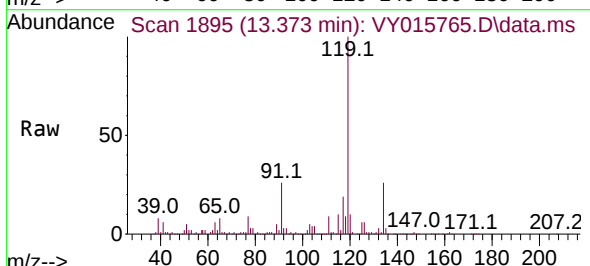
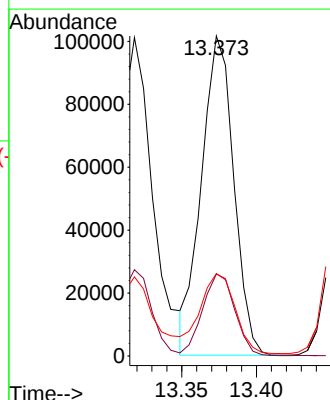
Tgt Ion:119 Resp: 152661

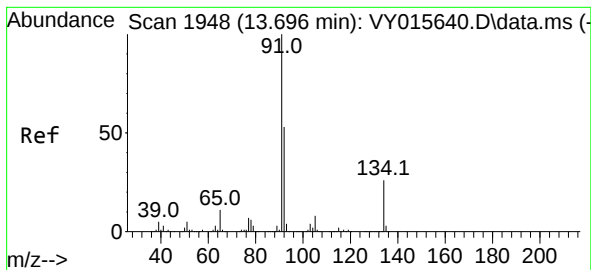
Ion Ratio Lower Upper

119 100

134 25.5 13.3 39.8

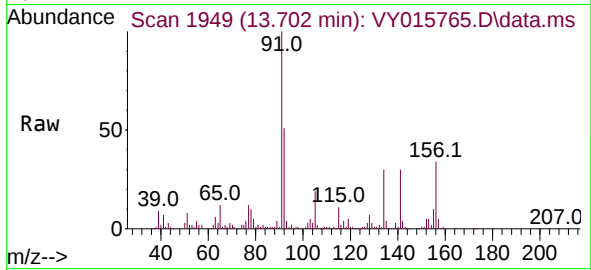
91 27.0 12.4 37.4





#89
n-Butylbenzene
Concen: 11.657 ug/l
RT: 13.702 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY015765.D
Acq: 29 Sep 2023 19:49

Instrument :
MSVOA_Y
ClientSampleId :
1-4(0-5)



Tgt Ion:	91	Resp:	57590
Ion	Ratio	Lower	Upper
91	100		
92	66.3	25.4	76.0
134	0.0	12.6	37.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/02/2023
Supervised By :Semsettin Yesilyurt 10/02/2023

