

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092223\
 Data File : VY015689.D
 Acq On : 22 Sep 2023 17:04
 Operator : SY/MD
 Sample : 04566-05
 Misc : 4.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B102-08-1(8-8.5)

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/25/2023
 Supervised By :Semsettin Yesilyurt 09/25/2023

Quant Time: Sep 22 22:58:08 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

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	129344	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	218321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	202786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	79710	56.010	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.020%			
35) Dibromofluoromethane	7.722	113	67089	51.341	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.680%			
50) Toluene-d8	10.185	98	263035	59.367	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 118.740%			
62) 4-Bromofluorobenzene	12.483	95	95027	54.653	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.300%			
Target Compounds						Qvalue
17) Carbon Disulfide	4.198	76	47007	21.264	ug/l	98
25) 2-Butanone	6.990	43	18304	17.003	ug/l	100
31) Cyclohexane	7.789	56	430942	218.588	ug/l	92
39) Methylcyclohexane	9.185	83	343588	160.780	ug/l	96
40) Benzene	8.167	78	1162970	197.379	ug/l	100
52) Toluene	10.246	92	64238	16.911	ug/l	93
65) Chlorobenzene	11.520	112	213619	48.260	ug/l	98
67) Ethyl Benzene	11.593	91	357902	46.260	ug/l	99
68) m/p-Xylenes	11.709	106	129639	44.085	ug/l	97
69) o-Xylene	12.032	106	29845	10.350	ug/l	100
73) Isopropylbenzene	12.331	105	279956	37.704	ug/l	100
78) n-propylbenzene	12.672	91	94662	10.494	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	17023	2.739	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	252411	40.584	ug/l	97
85) sec-Butylbenzene	13.257	105	19863	2.438	ug/l #	60
91) 1,2-Dichlorobenzene	13.745	146	8709	2.609	ug/l #	83
95) Naphthalene	15.239	128	68351	12.475	ug/l	99

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

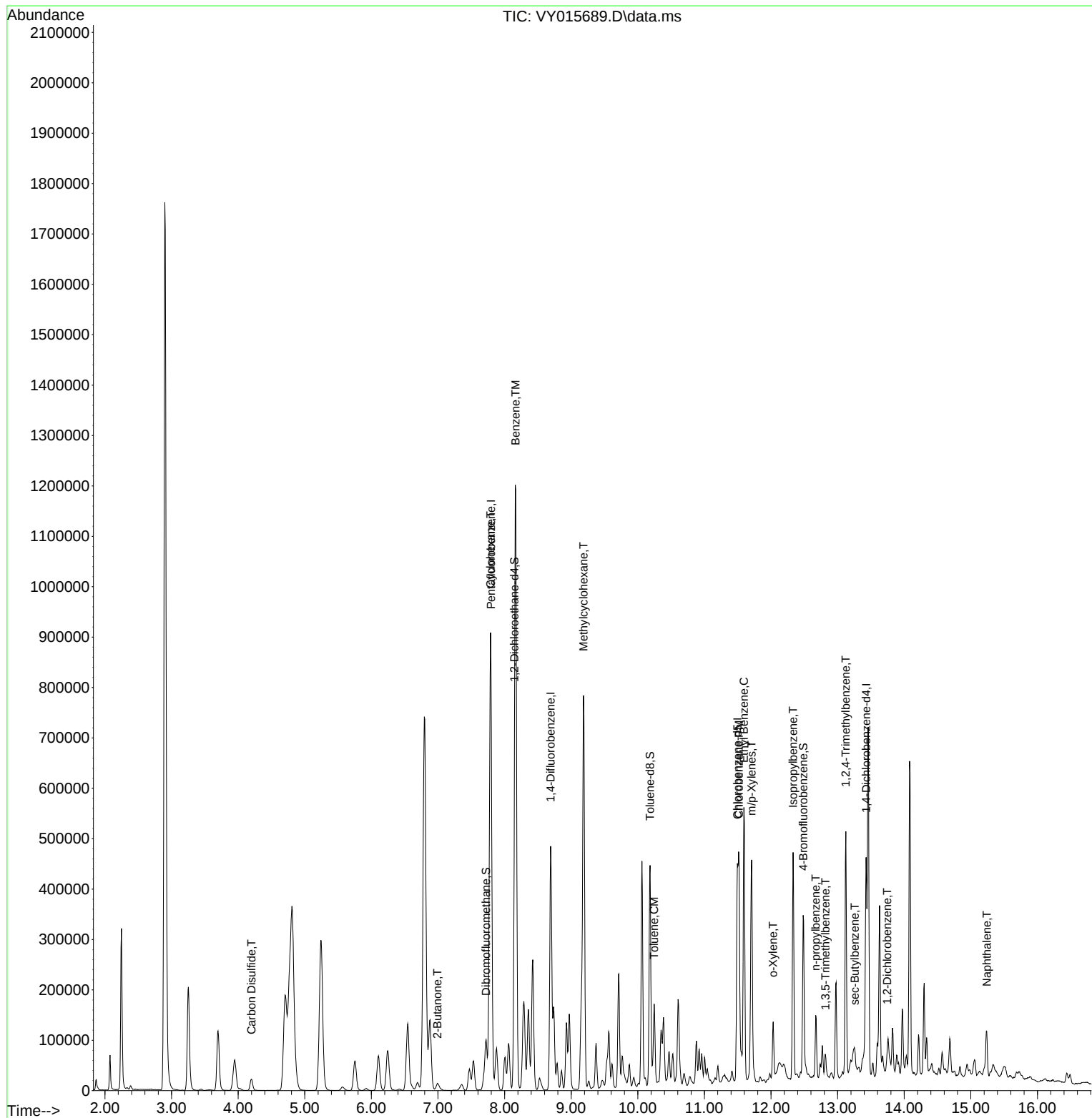
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092223\
Data File : VY015689.D
Acq On : 22 Sep 2023 17:04
Operator : SY/MD
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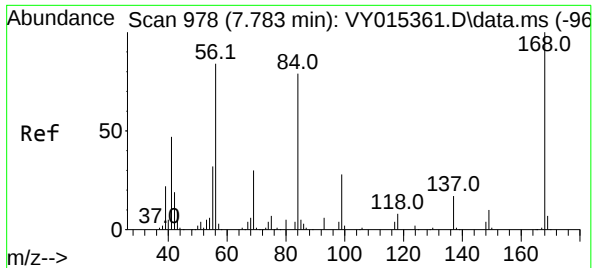
Instrument :
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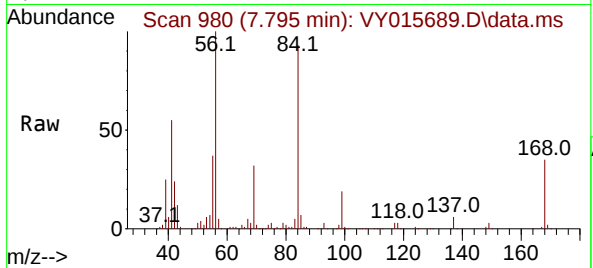
Quant Time: Sep 22 22:58:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015689.D
Acq: 22 Sep 2023 17:04

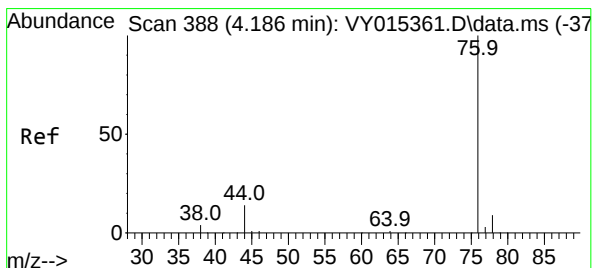
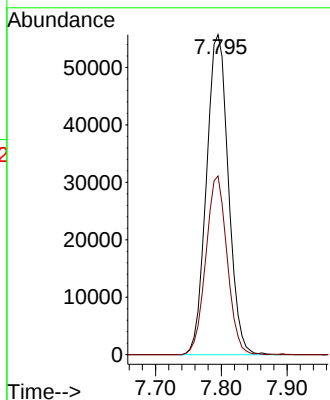
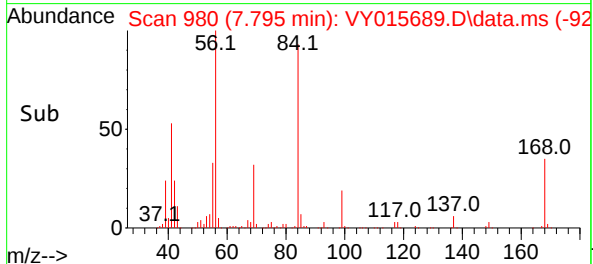
Instrument :
MSVOA_Y
ClientSampleId :
B102-08-1(8-8.5)



Tgt Ion:168 Resp: 129344
Ion Ratio Lower Upper
168 100
99 55.8 43.4 65.0

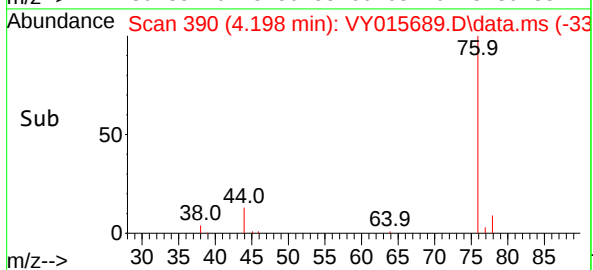
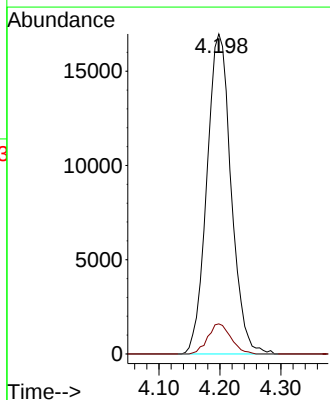
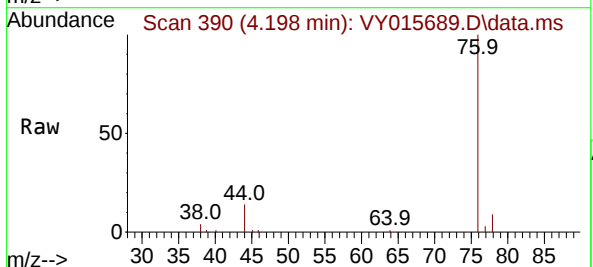
Manual Integrations
APPROVED

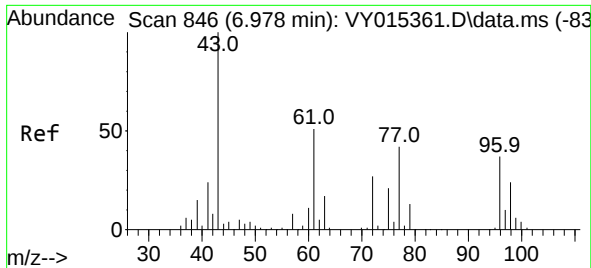
Reviewed By :Mahesh Dadoda 09/25/2023
Supervised By :Semsettin Yesilyurt 09/25/2023



#17
Carbon Disulfide
Concen: 21.264 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.012 min
Lab File: VY015689.D
Acq: 22 Sep 2023 17:04

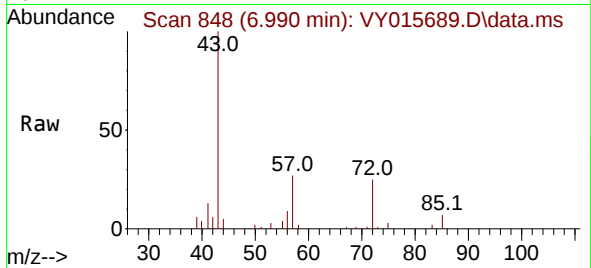
Tgt Ion: 76 Resp: 47007
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.4





#25
2-Butanone
Concen: 17.003 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY015689.D
Acq: 22 Sep 2023 17:04

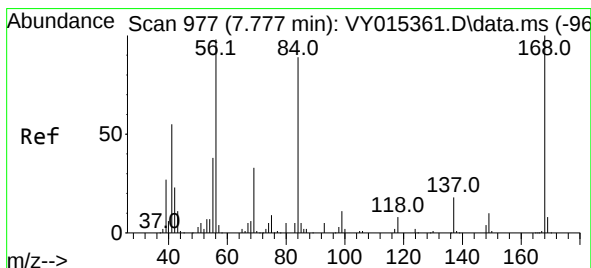
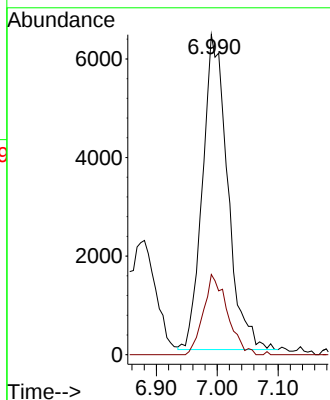
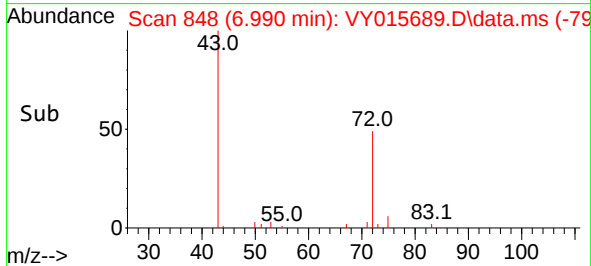
Instrument :
MSVOA_Y
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B102-08-1(8-8.5)



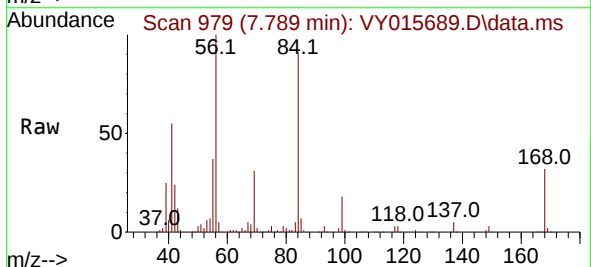
Tgt Ion: 43 Resp: 18304
Ion Ratio Lower Upper
43 100
72 25.4 20.5 30.7

Manual Integrations
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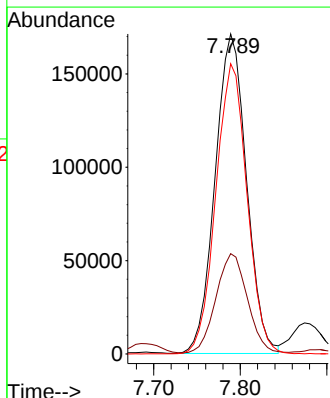
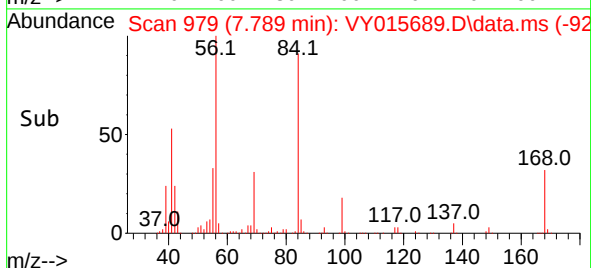
Reviewed By :Mahesh Dadoda 09/25/2023
Supervised By :Semsettin Yesilyurt 09/25/2023

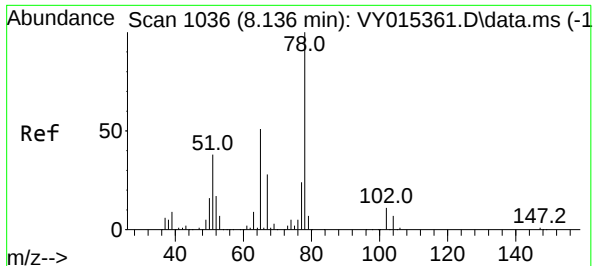


#31
Cyclohexane
Concen: 218.588 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY015689.D
Acq: 22 Sep 2023 17:04



Tgt Ion: 56 Resp: 430942
Ion Ratio Lower Upper
56 100
69 31.0 27.8 41.6
84 90.8 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 56.010 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.013 min

Lab File: VY015689.D

Acq: 22 Sep 2023 17:04

Instrument :

MSVOA_Y

ClientSampleId :

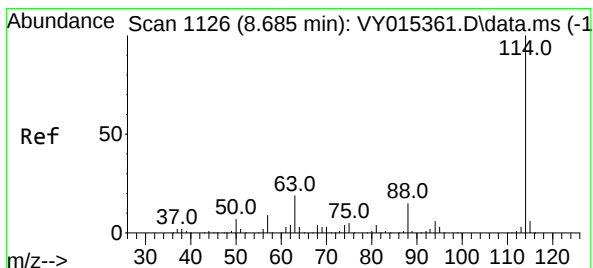
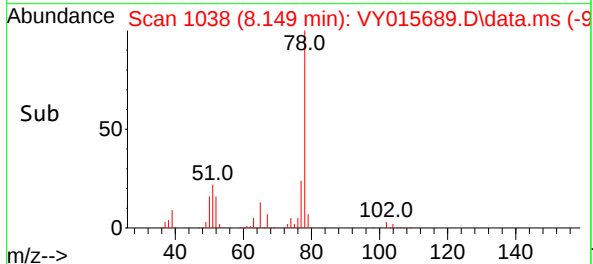
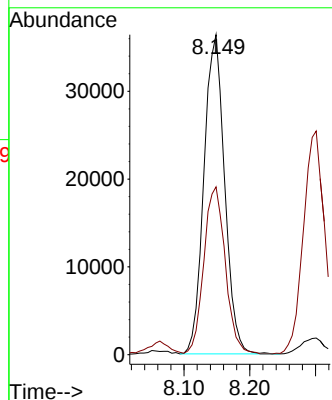
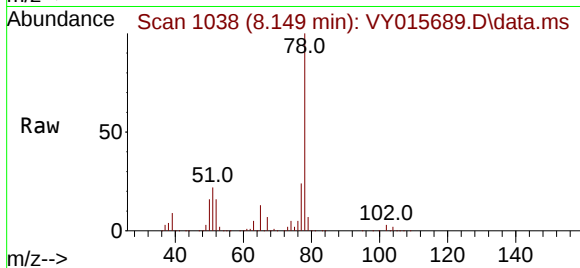
B102-08-1(8-8.5)

Tgt Ion: 65 Resp: 79710
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 101.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

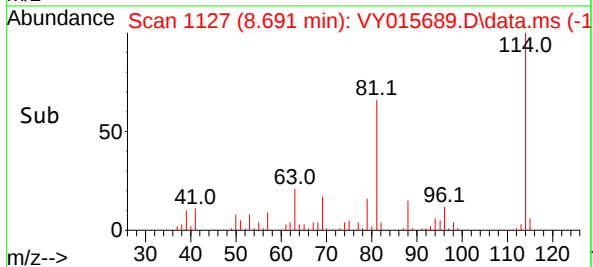
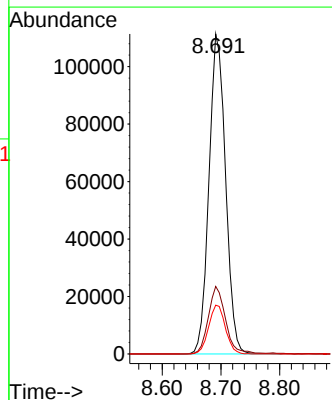
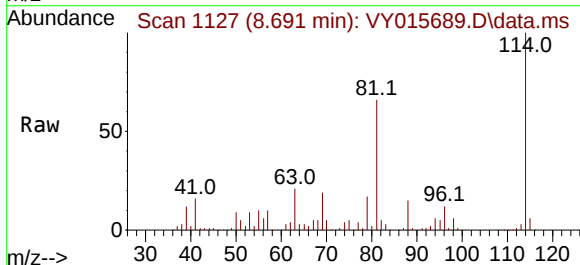
RT: 8.691 min Scan# 1127

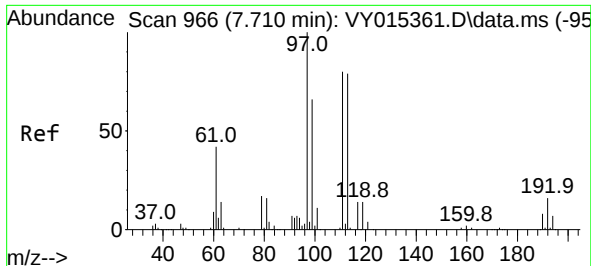
Delta R.T. 0.006 min

Lab File: VY015689.D

Acq: 22 Sep 2023 17:04

Tgt Ion:114 Resp: 218321
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.4
 88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.341 ug/l

RT: 7.722 min Scan# 90

Delta R.T. 0.006 min

Lab File: VY015689.D

Acq: 22 Sep 2023 17:04

Instrument :

MSVOA_Y

ClientSampleId :

B102-08-1(8-8.5)

Tgt Ion:113 Resp: 67089

Ion Ratio Lower Upper

113 100

111 104.7 81.3 121.9

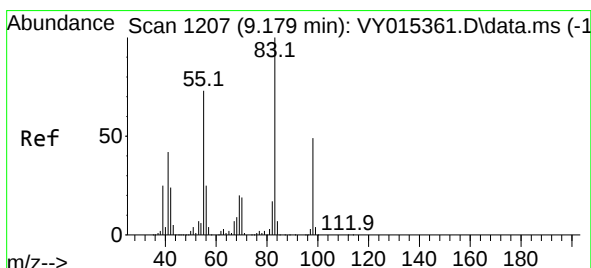
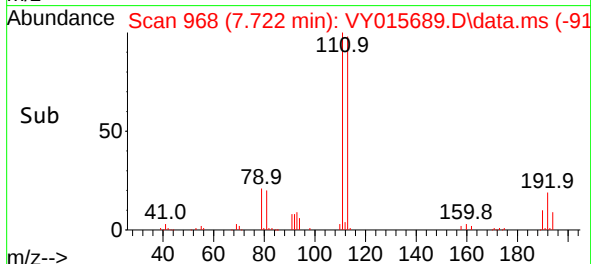
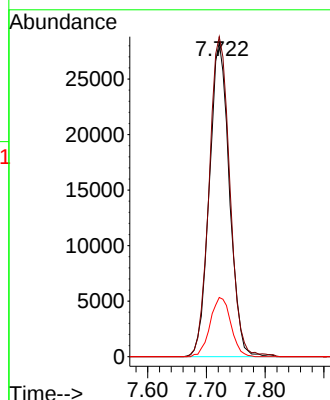
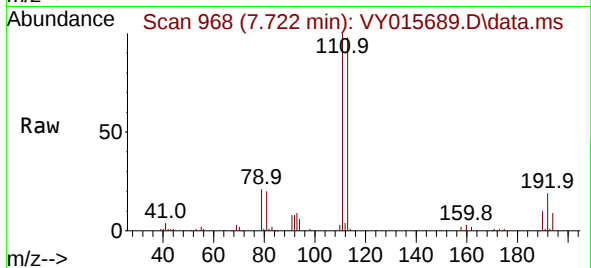
192 19.5 16.9 25.3

Manual Integrations

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Supervised By :Semsettin Yesilyurt 09/25/2023



#39

Methylcyclohexane

Concen: 160.780 ug/l

RT: 9.185 min Scan# 1208

Delta R.T. 0.006 min

Lab File: VY015689.D

Acq: 22 Sep 2023 17:04

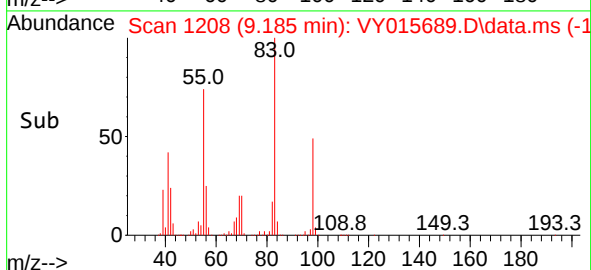
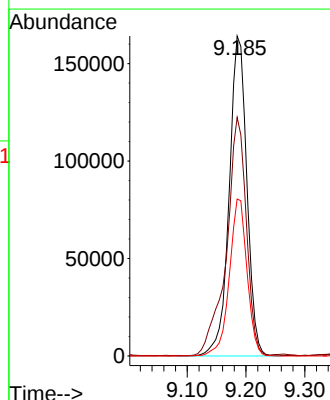
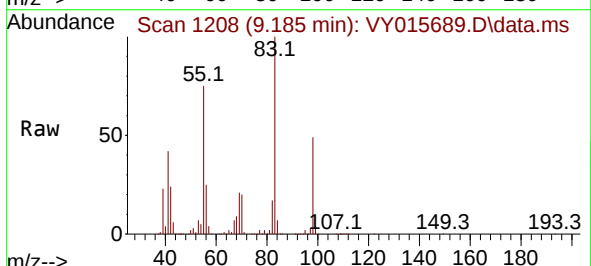
Tgt Ion: 83 Resp: 343588

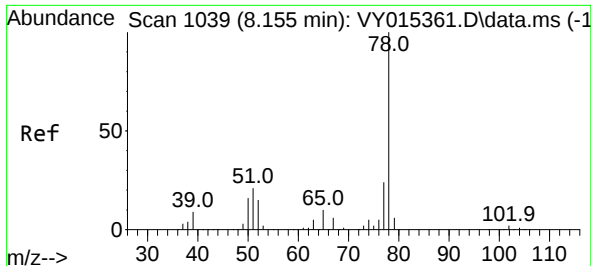
Ion Ratio Lower Upper

83 100

55 74.4 63.0 94.4

98 49.1 37.4 56.2





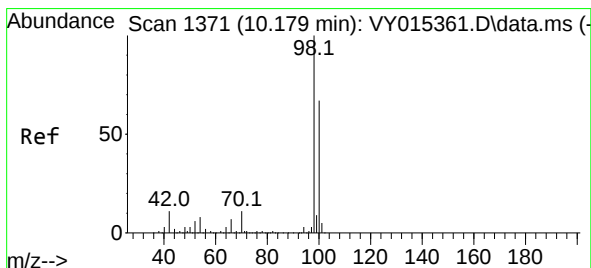
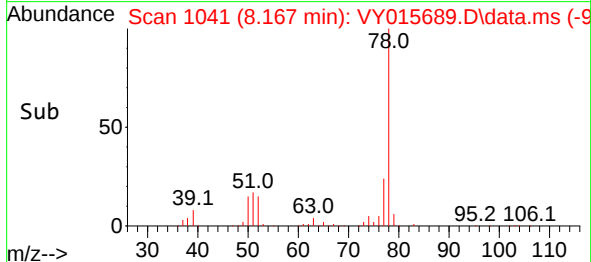
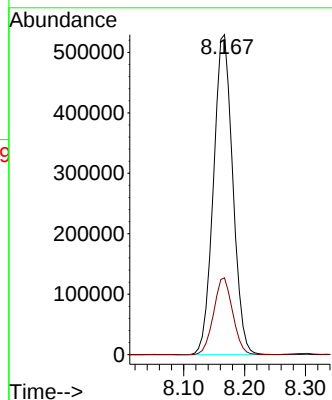
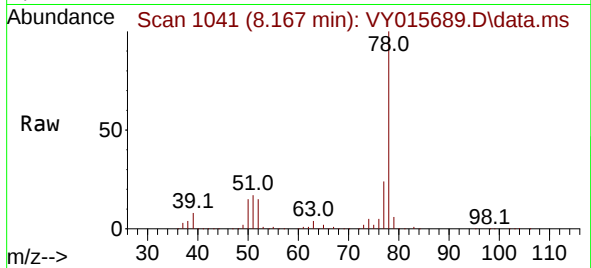
#40
Benzene
Concen: 197.379 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.018 min
Lab File: VY015689.D
Acq: 22 Sep 2023 17:04

Instrument :
MSVOA_Y
ClientSampleId :
B102-08-1(8-8.5)

Tgt Ion: 78 Resp: 1162970
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6

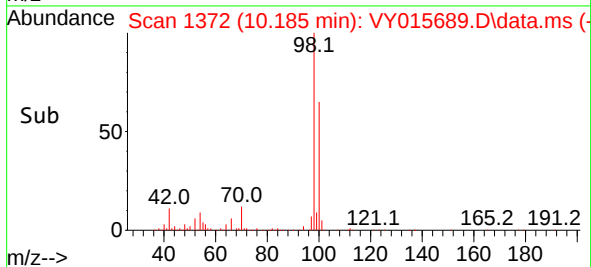
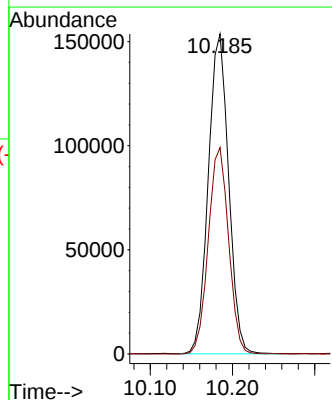
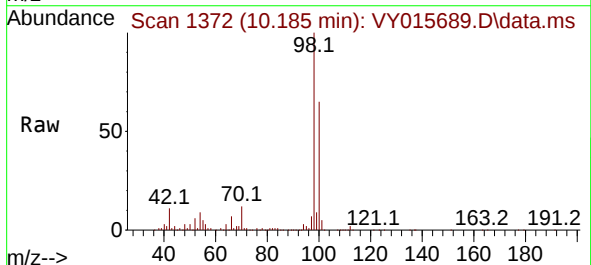
Manual Integrations
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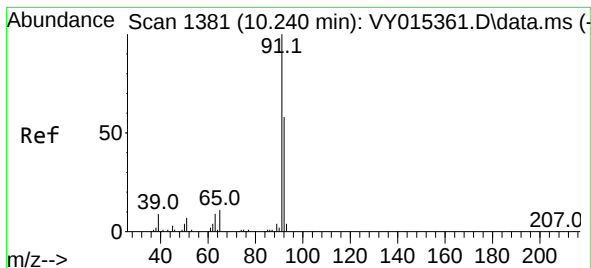
Reviewed By :Mahesh Dadoda 09/25/2023
Supervised By :Semsettin Yesilyurt 09/25/2023



#50
Toluene-d8
Concen: 59.367 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015689.D
Acq: 22 Sep 2023 17:04

Tgt Ion: 98 Resp: 263035
Ion Ratio Lower Upper
98 100
100 64.5 50.1 75.1





#52

Toluene

Concen: 16.911 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. 0.006 min

Lab File: VY015689.D

Acq: 22 Sep 2023 17:04

Instrument :

MSVOA_Y

ClientSampleId :

B102-08-1(8-8.5)

Tgt Ion: 92 Resp: 64238

Ion Ratio Lower Upper

92 100

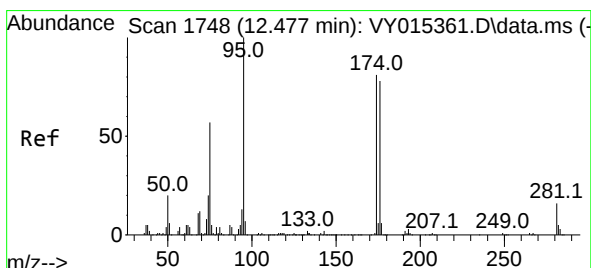
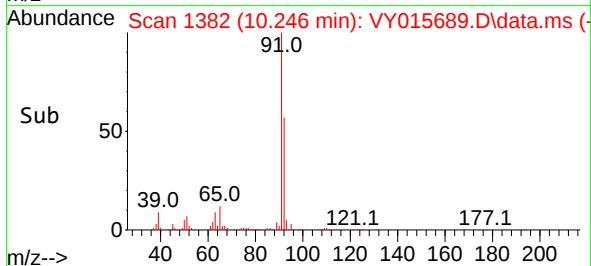
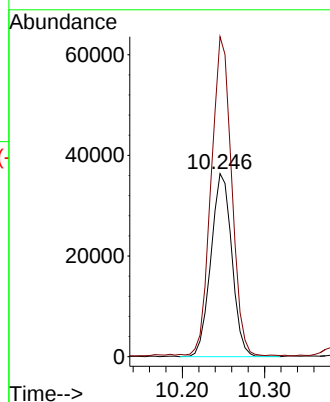
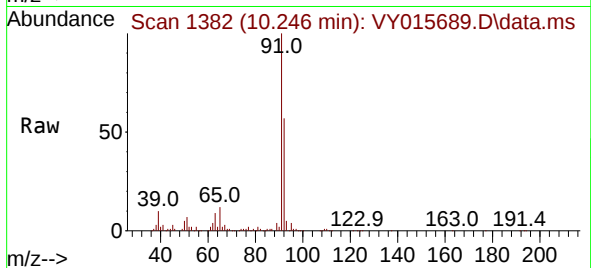
91 170.0 143.8 215.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 09/25/2023



#62

4-Bromofluorobenzene

Concen: 54.653 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015689.D

Acq: 22 Sep 2023 17:04

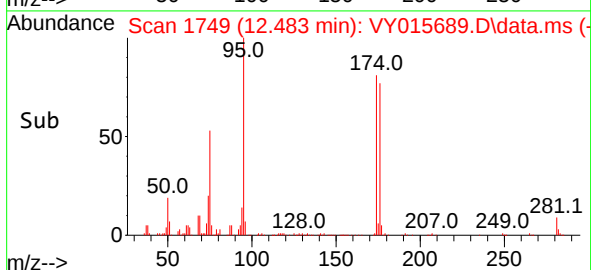
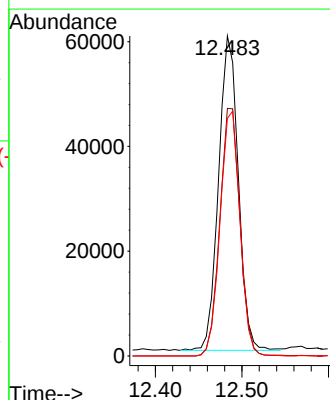
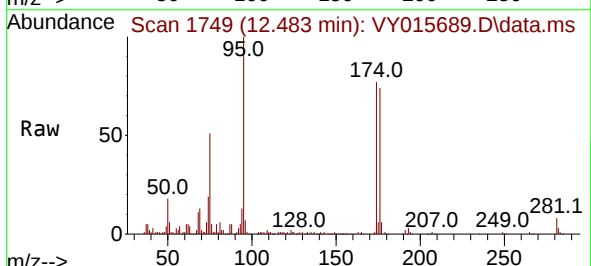
Tgt Ion: 95 Resp: 95027

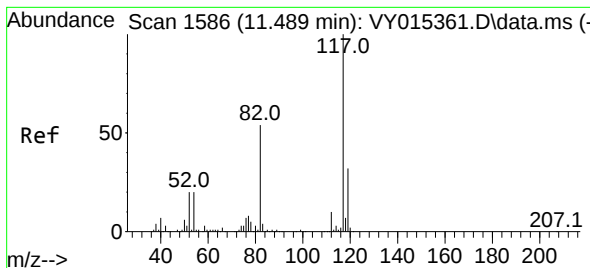
Ion Ratio Lower Upper

95 100

174 80.6 0.0 178.2

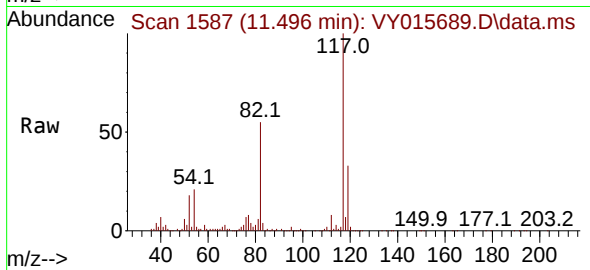
176 78.1 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1586
Delta R.T. 0.007 min
Lab File: VY015689.D
Acq: 22 Sep 2023 17:04

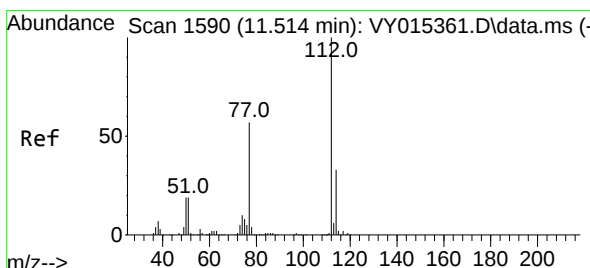
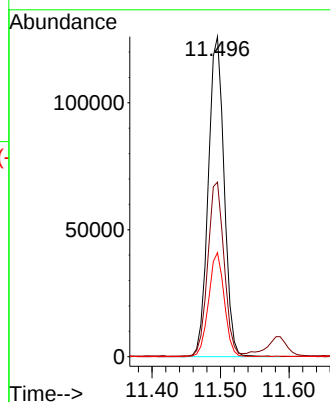
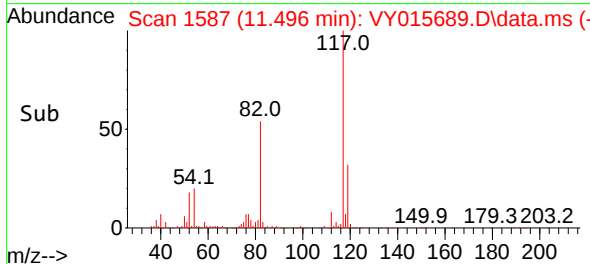
Instrument :
MSVOA_Y
ClientSampleId :
B102-08-1(8-8.5)



Tgt Ion:117 Resp: 202780
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 32.4 26.3 39.5

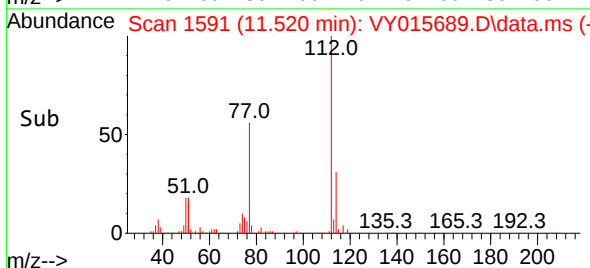
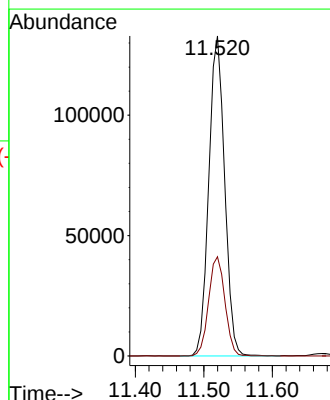
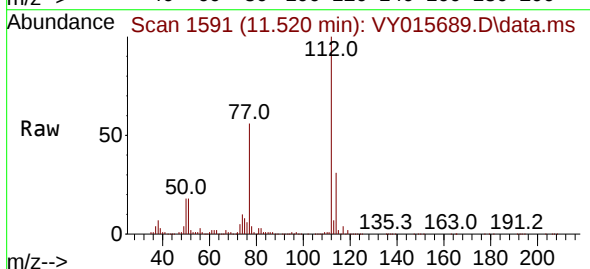
Manual Integrations
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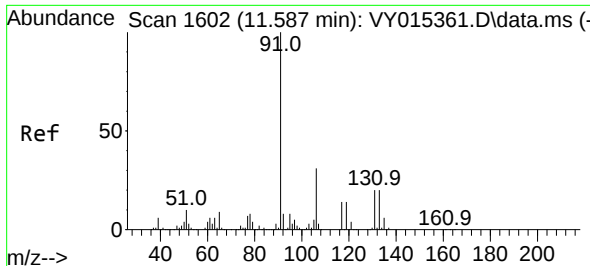
Reviewed By :Mahesh Dadoda 09/25/2023
Supervised By :Semsettin Yesilyurt 09/25/2023



#65
Chlorobenzene
Concen: 48.260 ug/l
RT: 11.520 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY015689.D
Acq: 22 Sep 2023 17:04

Tgt Ion:112 Resp: 213619
Ion Ratio Lower Upper
112 100
114 31.0 25.5 38.3





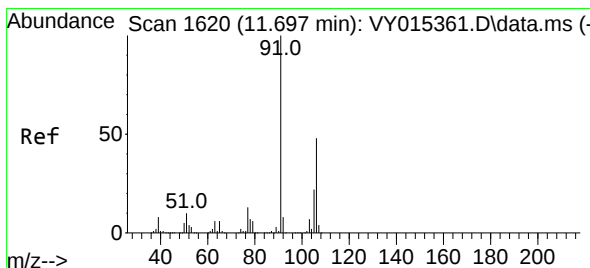
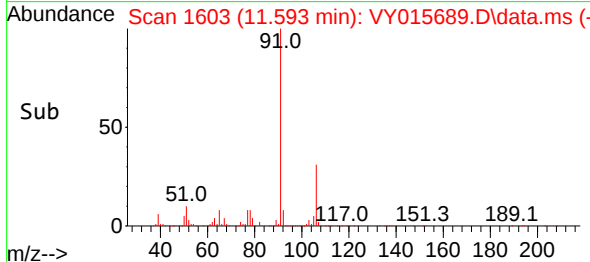
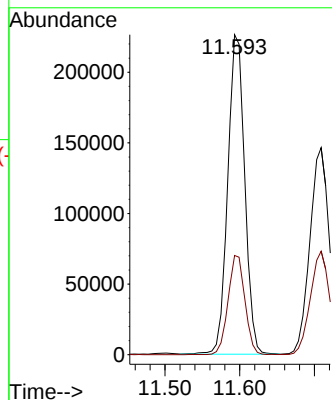
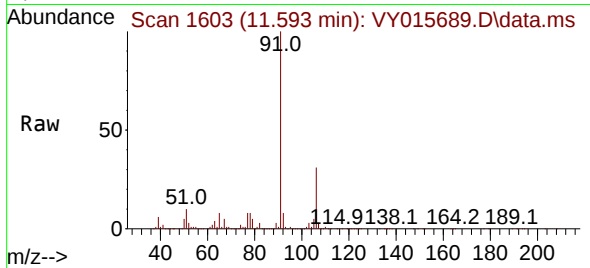
#67
Ethyl Benzene
Concen: 46.260 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY015689.D
Acq: 22 Sep 2023 17:04

Instrument :
MSVOA_Y
ClientSampleId :
B102-08-1(8-8.5)

Tgt Ion: 91 Resp: 357902
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8

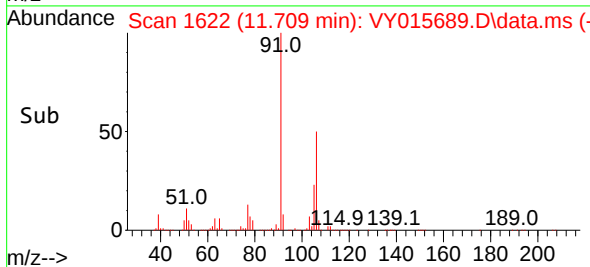
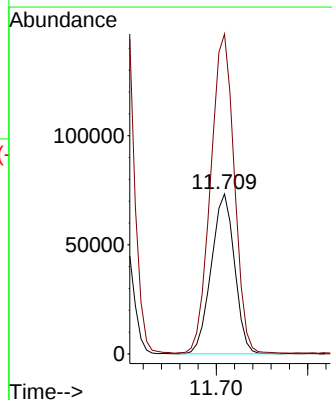
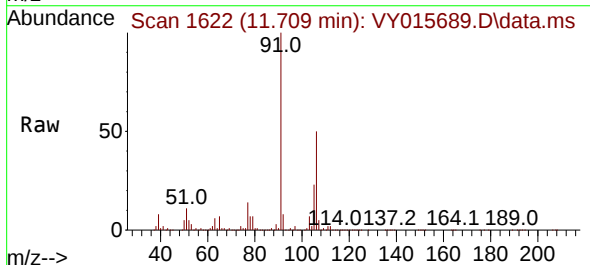
Manual Integrations
APPROVED

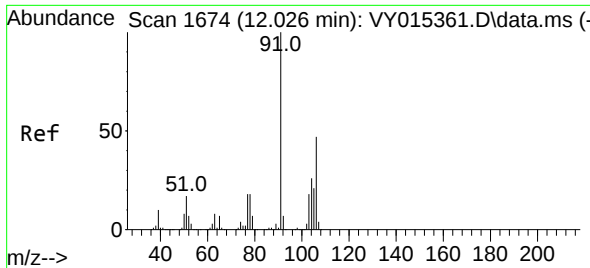
Reviewed By :Mahesh Dadoda 09/25/2023
Supervised By :Semsettin Yesilyurt 09/25/2023



#68
m/p-Xylenes
Concen: 44.085 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY015689.D
Acq: 22 Sep 2023 17:04

Tgt Ion:106 Resp: 129639
Ion Ratio Lower Upper
106 100
91 202.7 166.1 249.1





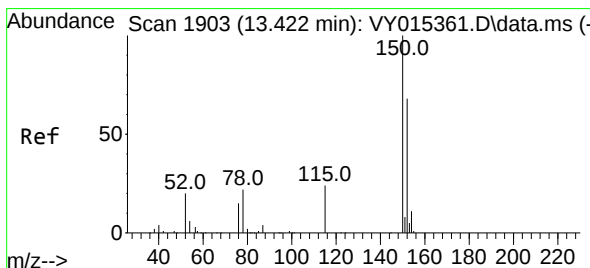
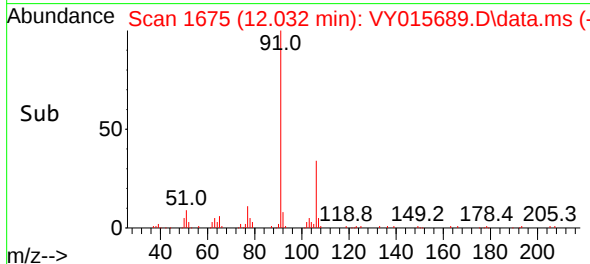
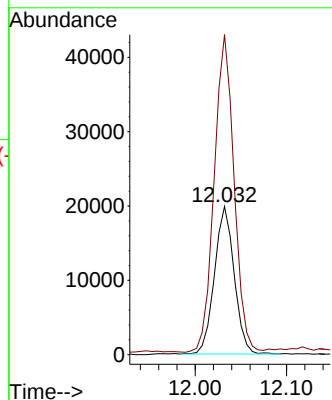
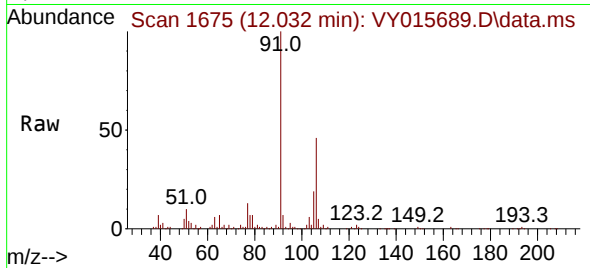
#69
o-Xylene
Concen: 10.350 ug/l
RT: 12.032 min Scan# 106
Delta R.T. 0.006 min
Lab File: VY015689.D
Acq: 22 Sep 2023 17:04

Instrument :
MSVOA_Y
ClientSampleId :
B102-08-1(8-8.5)

Tgt Ion:106 Resp: 2984
Ion Ratio Lower Upper
106 100
91 216.2 108.1 324.3

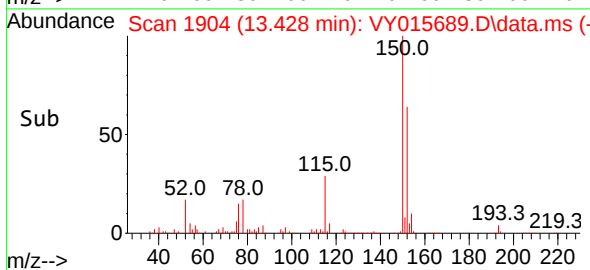
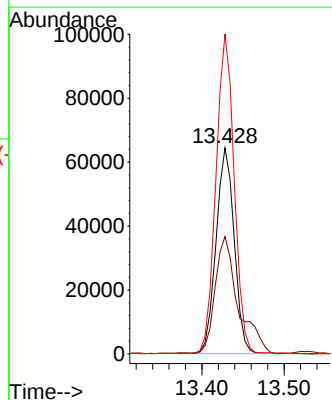
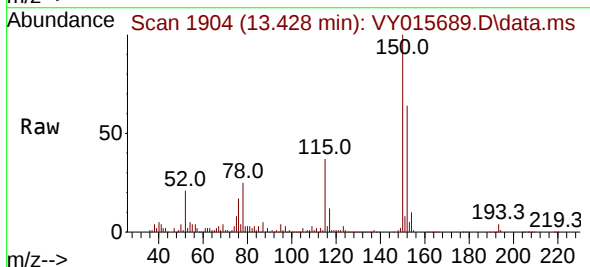
Manual Integrations
APPROVED

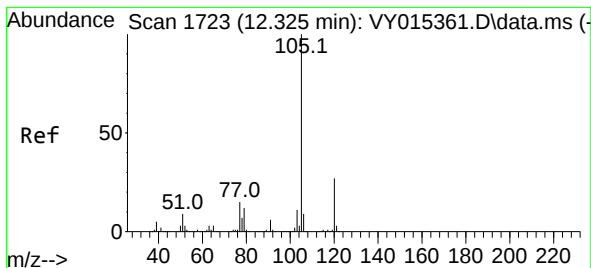
Reviewed By :Mahesh Dadoda 09/25/2023
Supervised By :Semsettin Yesilyurt 09/25/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015689.D
Acq: 22 Sep 2023 17:04

Tgt Ion:152 Resp: 98978
Ion Ratio Lower Upper
152 100
115 71.6 28.8 86.5
150 155.6 0.0 348.8





#73

Isopropylbenzene

Concen: 37.704 ug/l

RT: 12.331 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015689.D

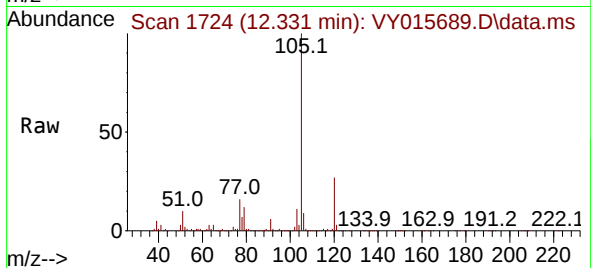
Acq: 22 Sep 2023 17:04

Instrument :

MSVOA_Y

ClientSampleId :

B102-08-1(8-8.5)



Tgt Ion:105 Resp: 279950

Ion Ratio Lower Upper

105 100

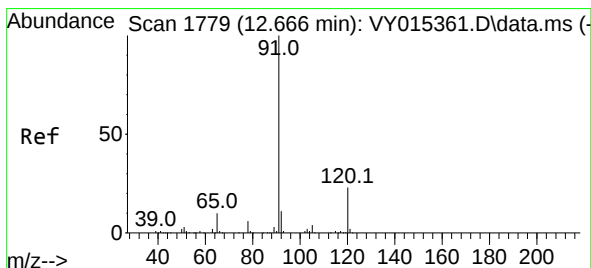
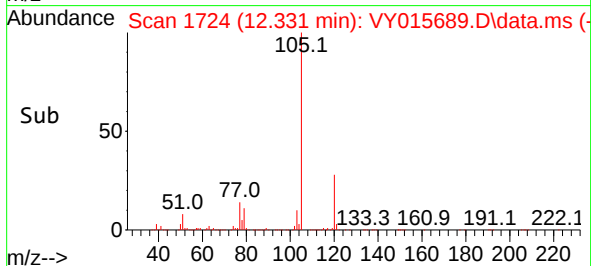
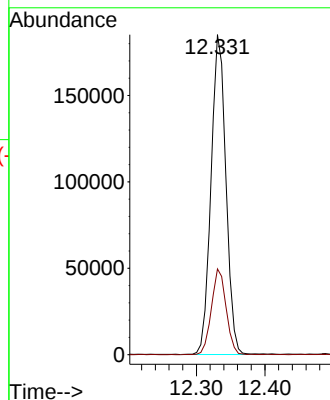
120 26.5 13.3 39.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 09/25/2023

Supervised By :Semsettin Yesilyurt 09/25/2023



#78

n-propylbenzene

Concen: 10.494 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.006 min

Lab File: VY015689.D

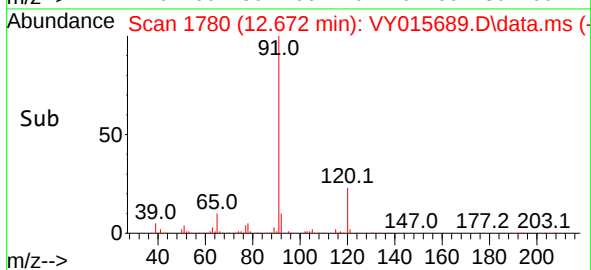
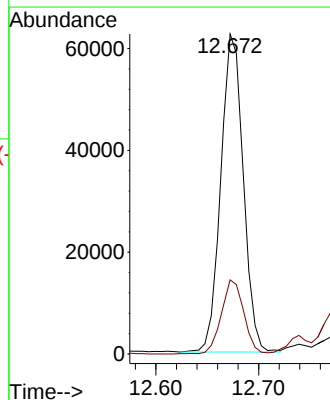
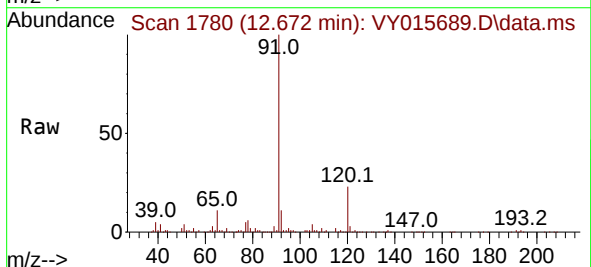
Acq: 22 Sep 2023 17:04

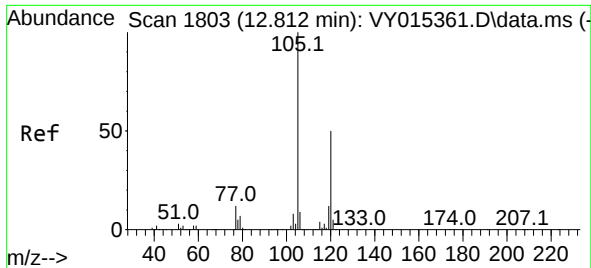
Tgt Ion: 91 Resp: 94662

Ion Ratio Lower Upper

91 100

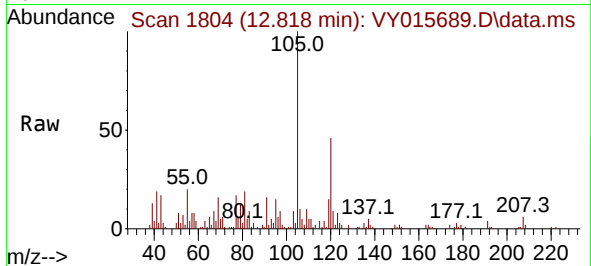
120 23.3 11.5 34.4





#80
1,3,5-Trimethylbenzene
Concen: 2.739 ug/l
RT: 12.818 min Scan# 1803
Delta R.T. 0.006 min
Lab File: VY015689.D
Acq: 22 Sep 2023 17:04

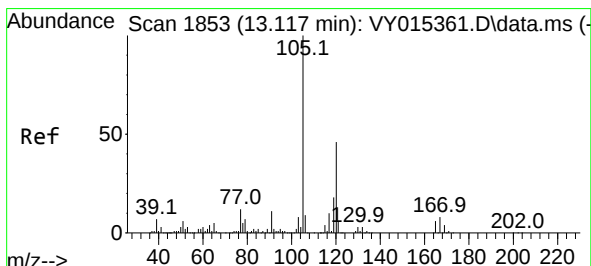
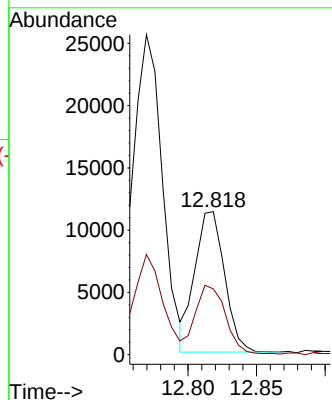
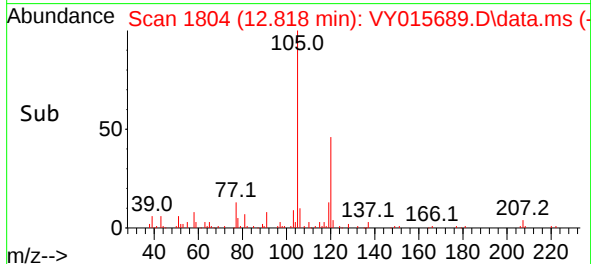
Instrument :
MSVOA_Y
ClientSampleId :
B102-08-1(8-8.5)



Tgt Ion:105 Resp: 17023
Ion Ratio Lower Upper
105 100
120 49.7 23.9 71.7

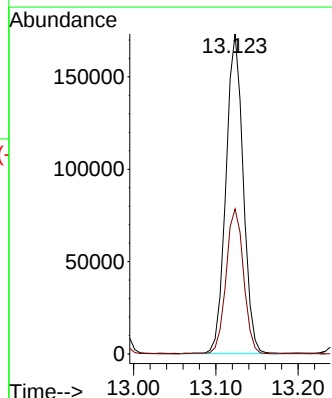
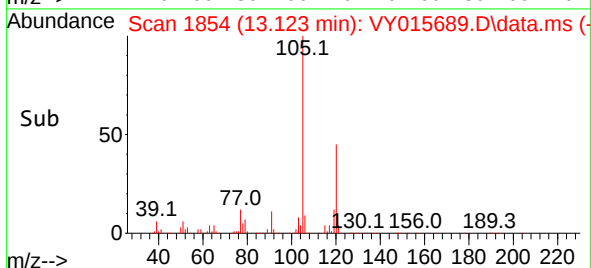
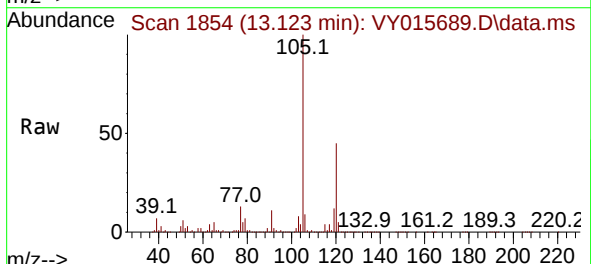
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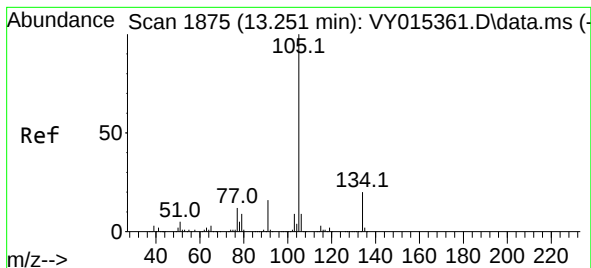
Reviewed By :Mahesh Dadoda 09/25/2023
Supervised By :Semsettin Yesilyurt 09/25/2023



#84
1,2,4-Trimethylbenzene
Concen: 40.584 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY015689.D
Acq: 22 Sep 2023 17:04

Tgt Ion:105 Resp: 252411
Ion Ratio Lower Upper
105 100
120 46.3 22.2 66.6





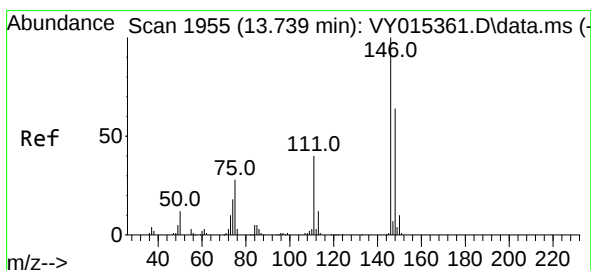
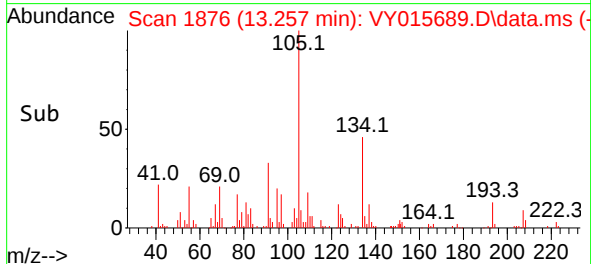
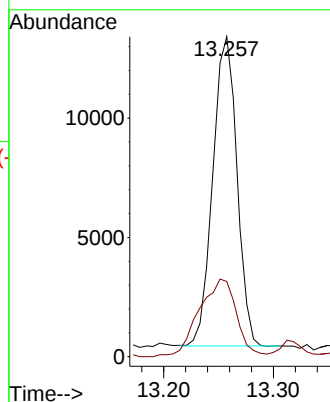
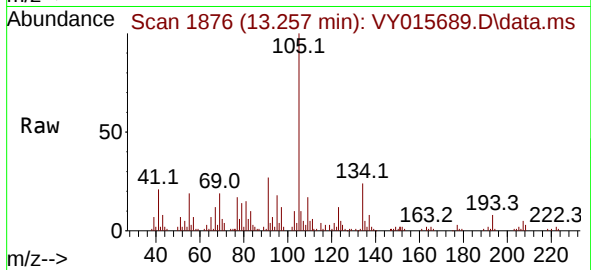
#85
 sec-Butylbenzene
 Concen: 2.438 ug/l
 RT: 13.257 min Scan# 1876
 Delta R.T. 0.006 min
 Lab File: VY015689.D
 Acq: 22 Sep 2023 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 B102-08-1(8-8.5)

Tgt Ion:105 Resp: 1986
 Ion Ratio Lower Upper
 105 100
 134 38.9 10.2 30.6

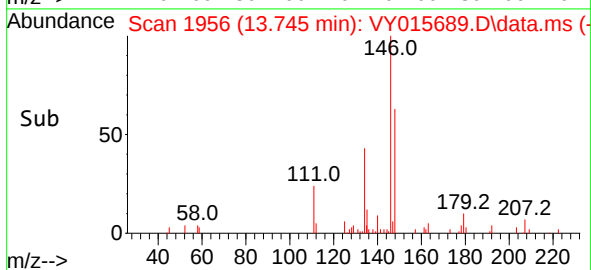
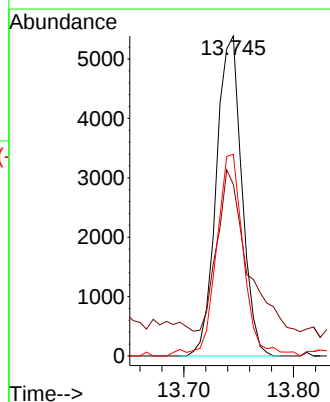
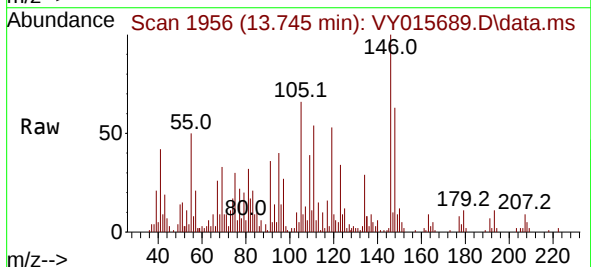
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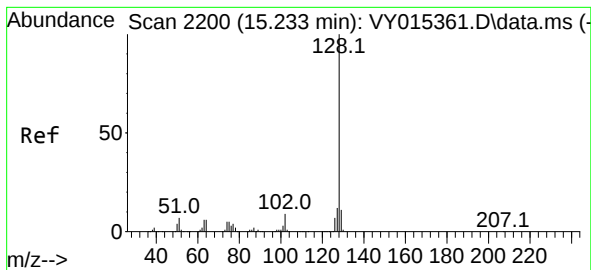
Reviewed By :Mahesh Dadoda 09/25/2023
 Supervised By :Semsettin Yesilyurt 09/25/2023



#91
 1,2-Dichlorobenzene
 Concen: 2.609 ug/l
 RT: 13.745 min Scan# 1956
 Delta R.T. 0.006 min
 Lab File: VY015689.D
 Acq: 22 Sep 2023 17:04

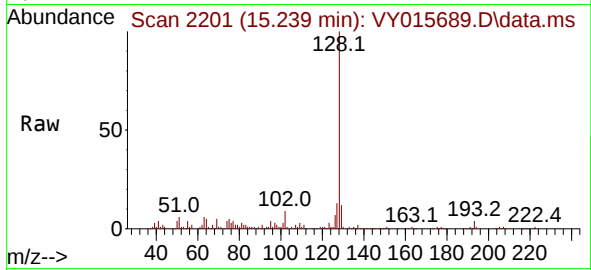
Tgt Ion:146 Resp: 8709
 Ion Ratio Lower Upper
 146 100
 111 62.8 19.7 59.0#
 148 67.1 32.0 96.2





#95
Naphthalene
Concen: 12.475 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY015689.D
Acq: 22 Sep 2023 17:04

Instrument :
MSVOA_Y
ClientSampleId :
B102-08-1(8-8.5)



Tgt Ion:128 Resp: 6835
Ion Ratio Lower Upper
128 100
127 14.0 10.8 16.2
129 10.8 8.6 13.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 09/25/2023
Supervised By :Semsettin Yesilyurt 09/25/2023

