

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
 Data File : VY016195.D
 Acq On : 02 Nov 2023 17:08
 Operator : SY/MD
 Sample : 05220-07
 Misc : 3.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L-2(125FT)(0-5)

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/03/2023
 Supervised By :Semsettin Yesilyurt 11/03/2023

Quant Time: Nov 03 03:17:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	116407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	201425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	192202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	95223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	68774	63.138	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.280%			
35) Dibromofluoromethane	7.734	113	57442	47.835	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.660%			
50) Toluene-d8	10.191	98	241429	50.709	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.420%			
62) 4-Bromofluorobenzene	12.489	95	88343	54.264	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.520%			
Target Compounds						
					Qvalue	
16) Acetone	3.960	43	6957	22.660	ug/l	95
17) Carbon Disulfide	4.210	76	2749	1.195	ug/l	97
20) Methylene Chloride	4.735	84	12437	8.711	ug/l #	84
25) 2-Butanone	7.015	43	1661	5.527	ug/l #	88
29) Tetrahydrofuran	7.368	42	2581	13.701	ug/l #	86
40) Benzene	8.179	78	25499	5.122	ug/l	99
42) 1,2-Dichloroethane	8.264	62	2190	1.576	ug/l #	78
52) Toluene	10.252	92	7965	2.469	ug/l	99
67) Ethyl Benzene	11.605	91	212850	31.164	ug/l	98
68) m/p-Xylenes	11.715	106	15978	6.054	ug/l	93
69) o-Xylene	12.038	106	57250	22.719	ug/l	96
73) Isopropylbenzene	12.337	105	67657	9.472	ug/l	100
78) n-propylbenzene	12.678	91	75041	8.886	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	55925	9.664	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	136174	23.781	ug/l	96
86) p-Isopropyltoluene	13.379	119	29448	4.675	ug/l	92
89) n-Butylbenzene	13.703	91	13426m	2.320	ug/l	

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

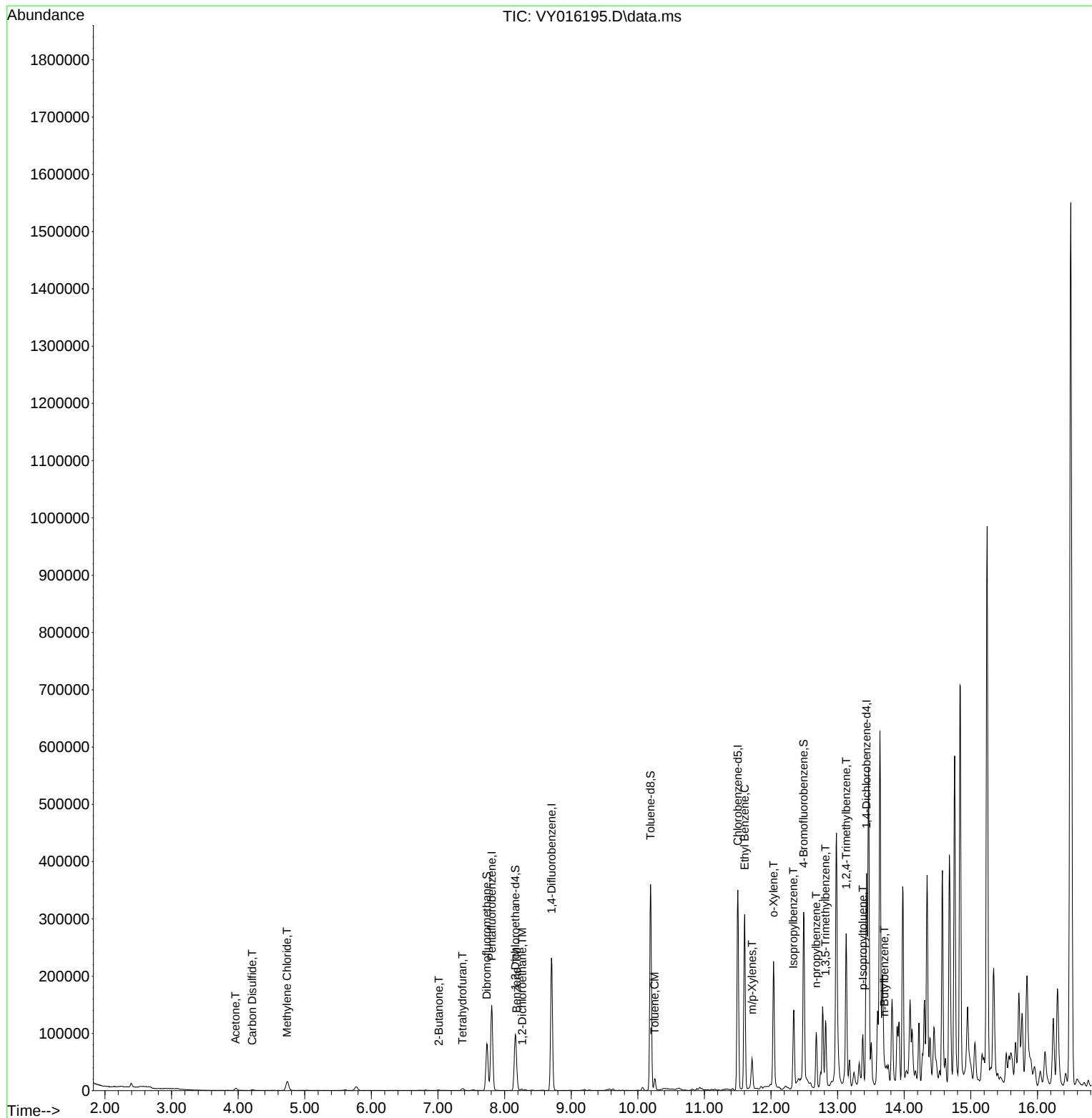
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
Data File : VY016195.D
Acq On : 02 Nov 2023 17:08
Operator : SY/MD
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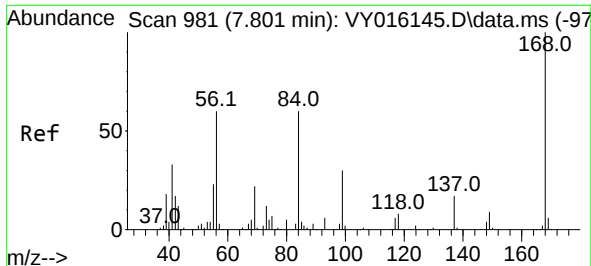
Instrument :
MSVOA_Y
ClientSampleId :
L-2(125FT)(0-5)

Quant Time: Nov 03 03:17:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

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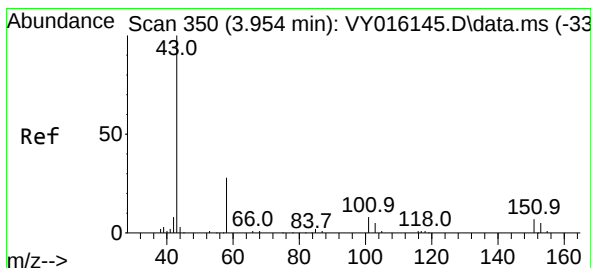
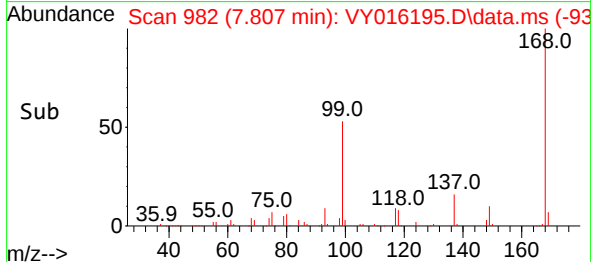
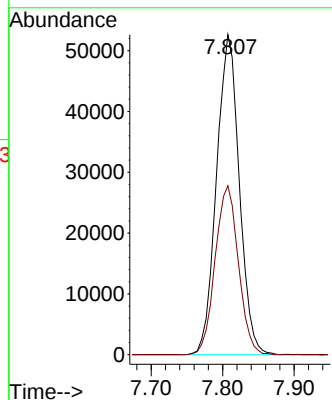
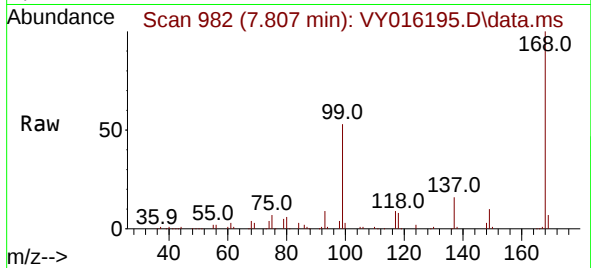
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016195.D
Acq: 02 Nov 2023 17:08

Instrument :
MSVOA_Y
ClientSampleId :
L-2(125FT)(0-5)

Tgt Ion:168 Resp: 11640
Ion Ratio Lower Upper
168 100
99 52.8 43.4 65.0

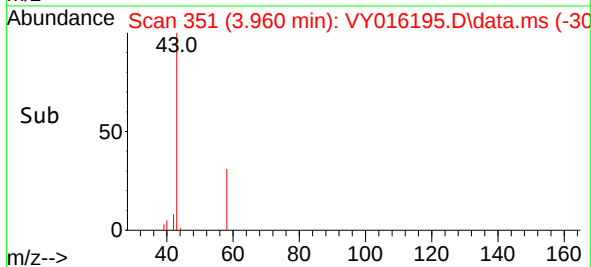
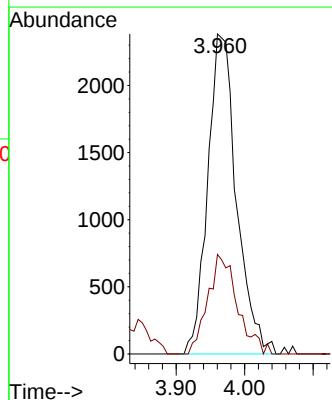
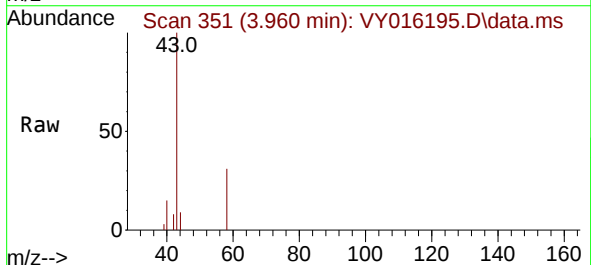
Manual Integrations
APPROVED

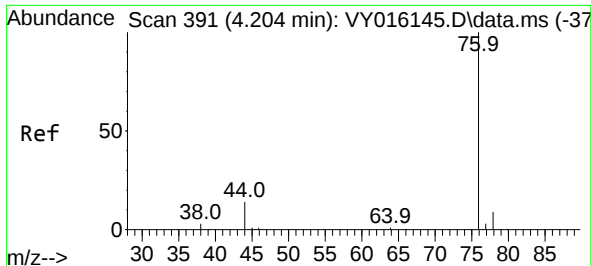
Reviewed By :Mahesh Dadoda 11/03/2023
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#16
Acetone
Concen: 22.660 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY016195.D
Acq: 02 Nov 2023 17:08

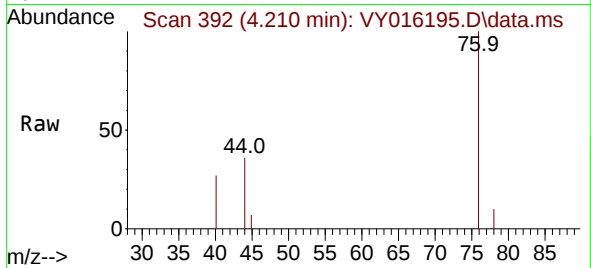
Tgt Ion: 43 Resp: 6957
Ion Ratio Lower Upper
43 100
58 31.1 22.7 34.1





#17
Carbon Disulfide
Concen: 1.195 ug/l
RT: 4.210 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY016195.D
Acq: 02 Nov 2023 17:08

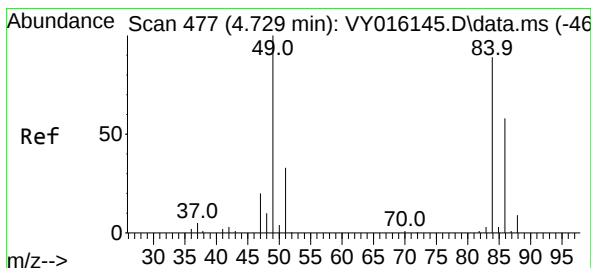
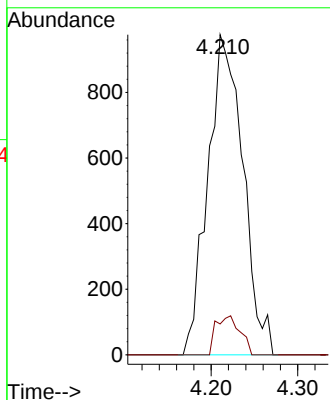
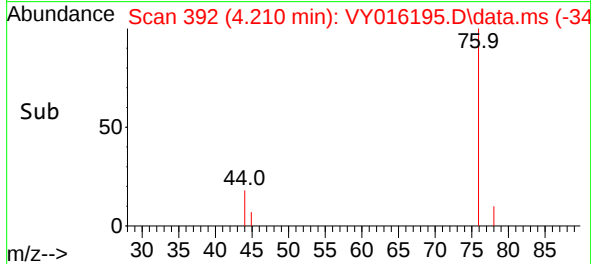
Instrument :
MSVOA_Y
ClientSampleId :
L-2(125FT)(0-5)



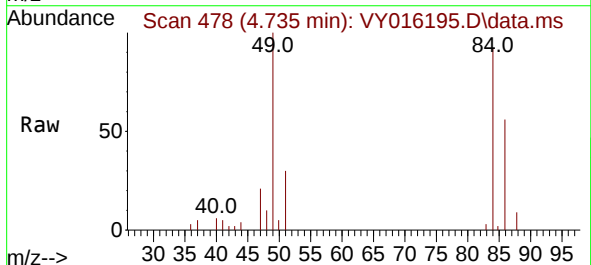
Tgt Ion: 76 Resp: 2749
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.4

Manual Integrations
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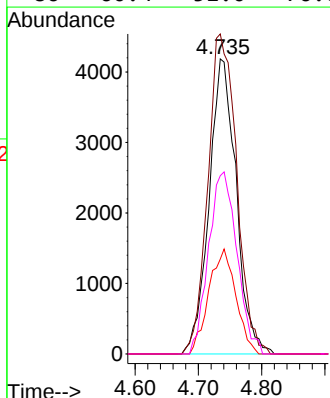
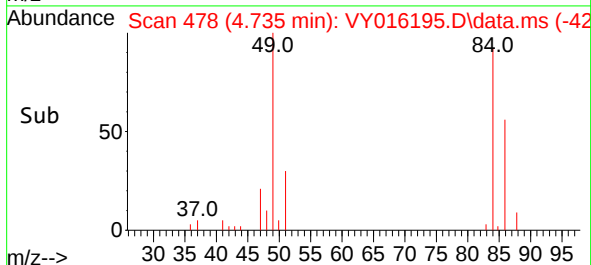
Reviewed By :Mahesh Dadoda 11/03/2023
Supervised By :Semsettin Yesilyurt 11/03/2023

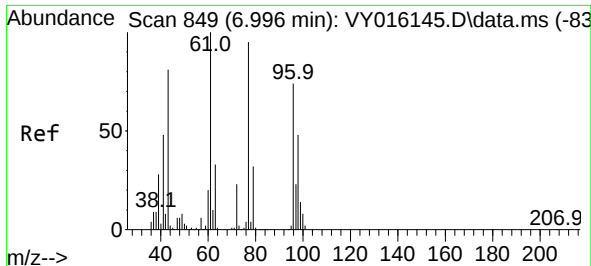


#20
Methylene Chloride
Concen: 8.711 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.006 min
Lab File: VY016195.D
Acq: 02 Nov 2023 17:08



Tgt Ion: 84 Resp: 12437
Ion Ratio Lower Upper
84 100
49 108.5 106.9 160.3
51 32.2 33.2 49.8#
86 60.4 51.0 76.6





#25

2-Butanone

Concen: 5.527 ug/l

RT: 7.015 min Scan# 8

Delta R.T. 0.018 min

Lab File: VY016195.D

Acq: 02 Nov 2023 17:08

Instrument :

MSVOA_Y

ClientSampleId :

L-2(125FT)(0-5)

Tgt Ion: 43 Resp: 166

Ion Ratio Lower Upper

43 100

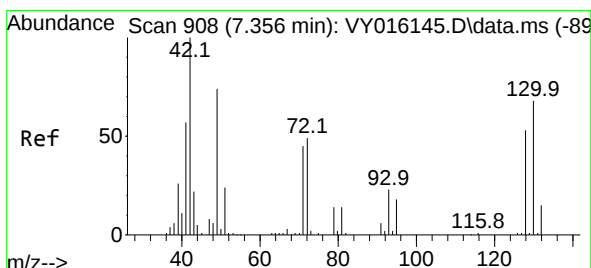
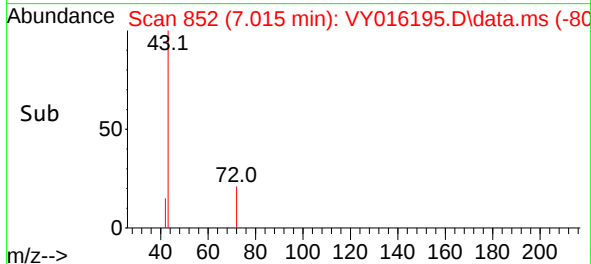
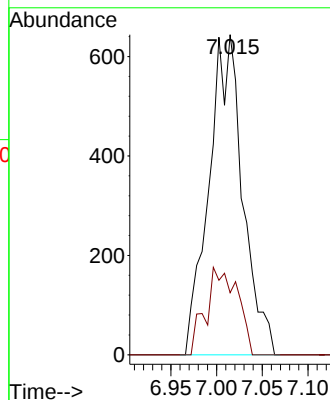
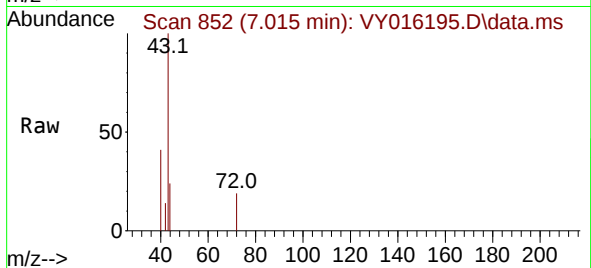
72 19.4 20.5 30.7

Manual Integrations

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#29

Tetrahydrofuran

Concen: 13.701 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.012 min

Lab File: VY016195.D

Acq: 02 Nov 2023 17:08

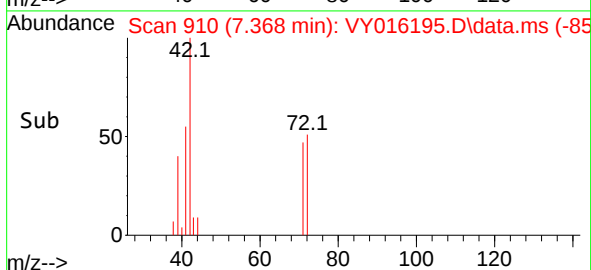
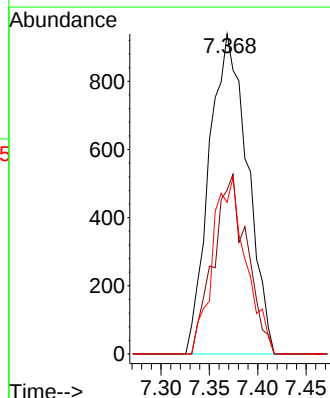
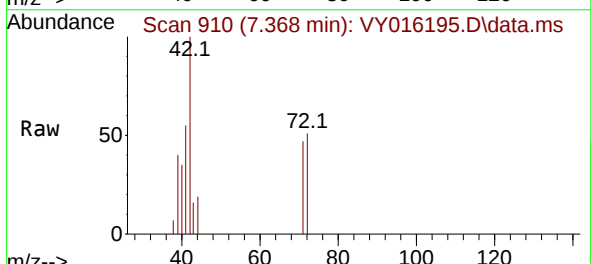
Tgt Ion: 42 Resp: 2581

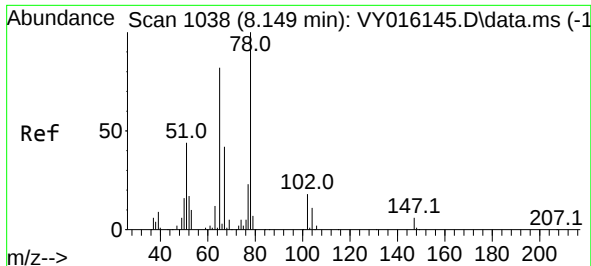
Ion Ratio Lower Upper

42 100

72 49.4 32.8 49.2#

71 48.1 31.0 46.4#





#33

1,2-Dichloroethane-d4

Concen: 63.138 ug/l

RT: 8.161 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY016195.D

Acq: 02 Nov 2023 17:08

Instrument :

MSVOA_Y

ClientSampleId :

L-2(125FT)(0-5)

Tgt Ion: 65 Resp: 68774

Ion Ratio Lower Upper

65 100

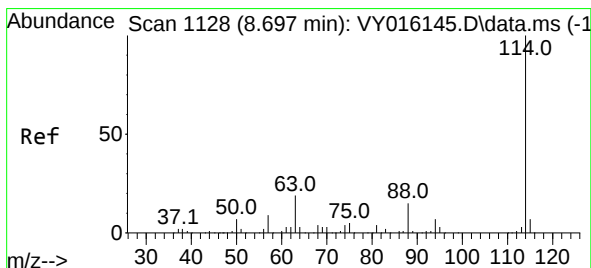
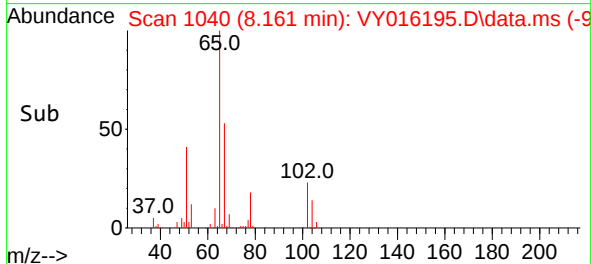
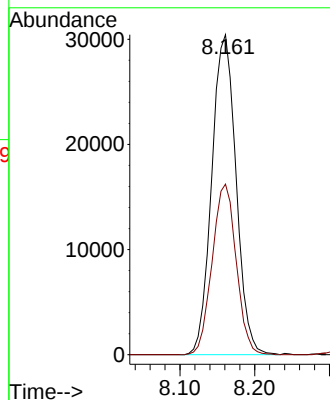
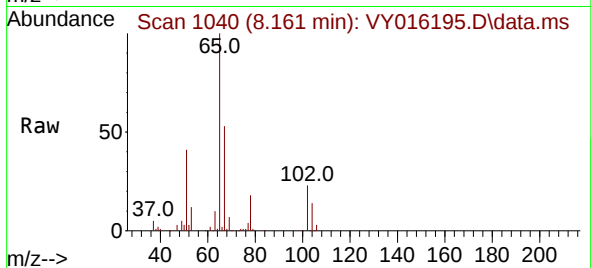
67 52.7 0.0 101.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY016195.D

Acq: 02 Nov 2023 17:08

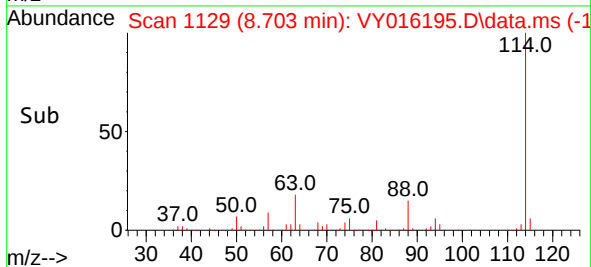
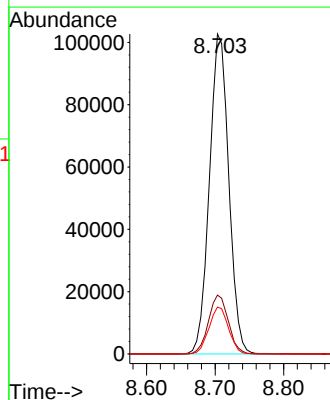
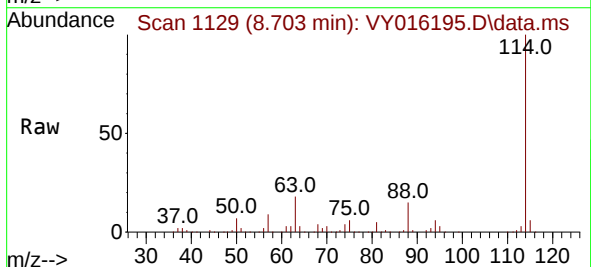
Tgt Ion:114 Resp: 201425

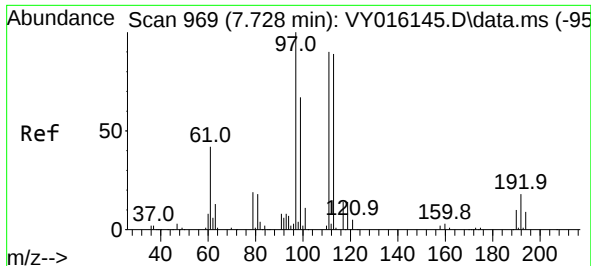
Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 14.7 0.0 30.6





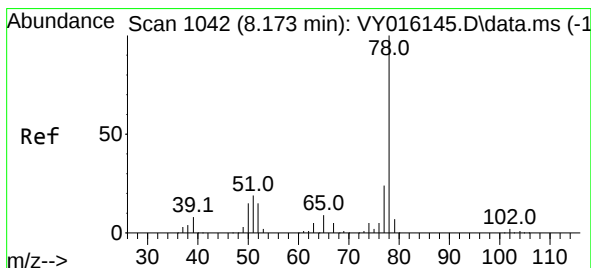
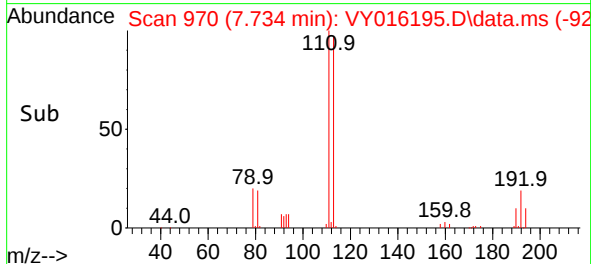
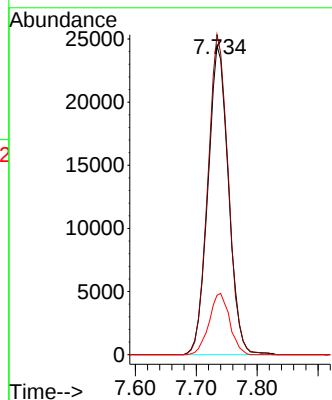
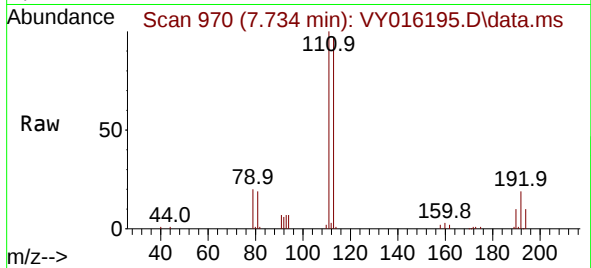
#35
Dibromofluoromethane
Concen: 47.835 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016195.D
Acq: 02 Nov 2023 17:08

Instrument :
MSVOA_Y
ClientSampleId :
L-2(125FT)(0-5)

Tgt Ion:113 Resp: 5744
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 19.8 16.9 25.3

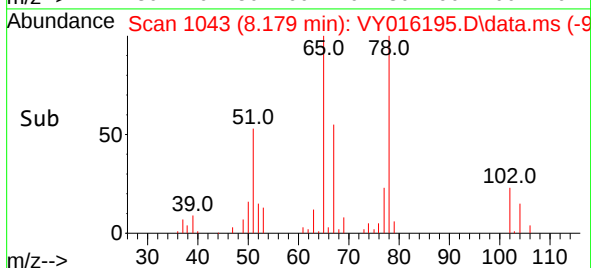
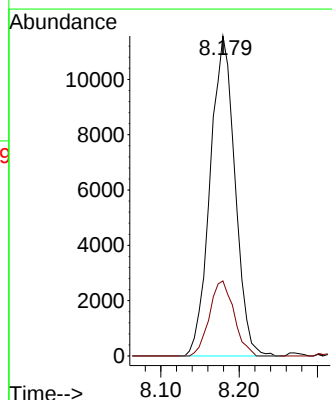
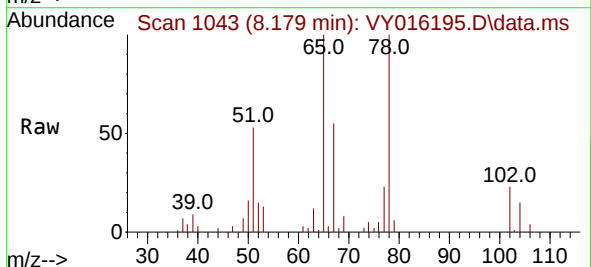
Manual Integrations
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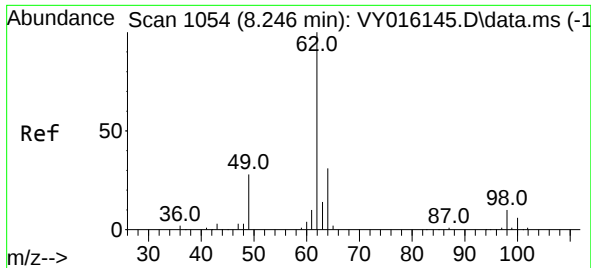
Reviewed By :Mahesh Dadoda 11/03/2023
Supervised By :Semsettin Yesilyurt 11/03/2023



#40
Benzene
Concen: 5.122 ug/l
RT: 8.179 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY016195.D
Acq: 02 Nov 2023 17:08

Tgt Ion: 78 Resp: 25499
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6





#42

1,2-Dichloroethane

Concen: 1.576 ug/l

RT: 8.264 min Scan# 1057

Delta R.T. 0.018 min

Lab File: VY016195.D

Acq: 02 Nov 2023 17:08

Instrument :

MSVOA_Y

ClientSampleId :

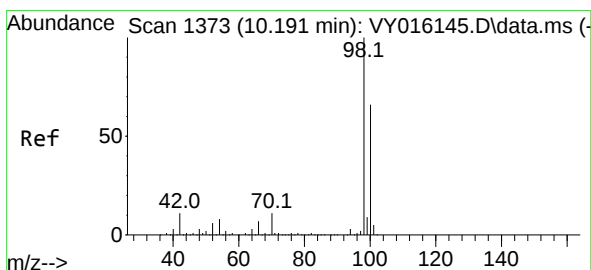
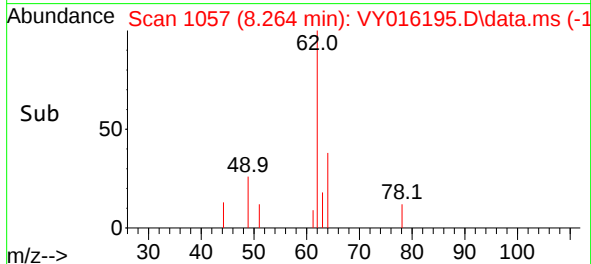
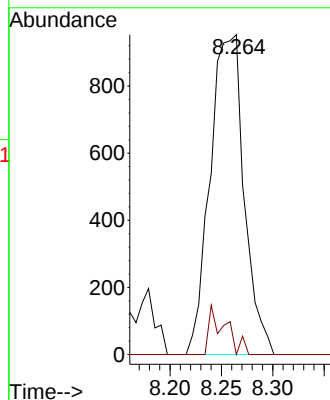
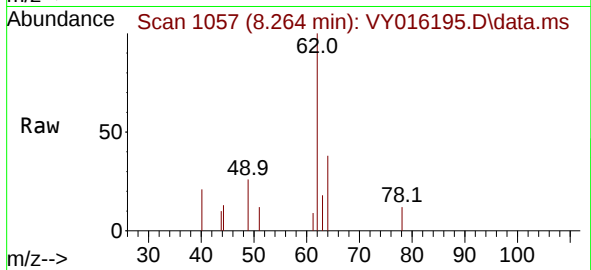
L-2(125FT)(0-5)

Tgt Ion: 62 Resp: 2190
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 15.8

Manual Integrations

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 Supervised By :Semsettin Yesilyurt 11/03/2023



#50

Toluene-d8

Concen: 50.709 ug/l

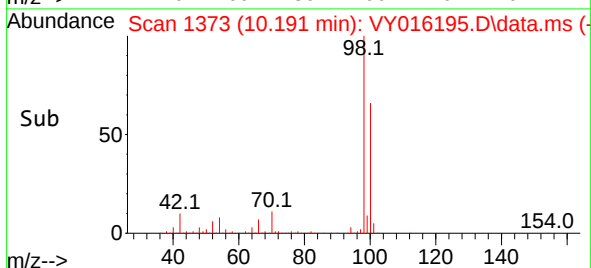
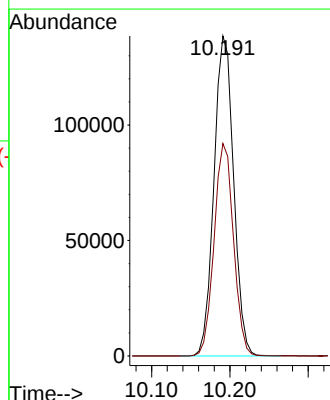
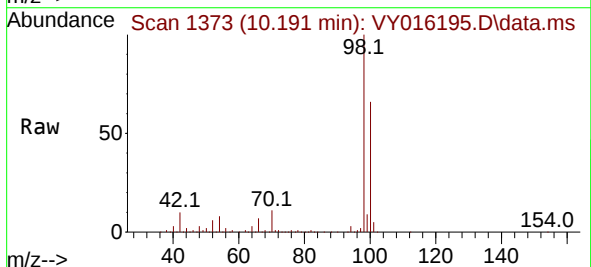
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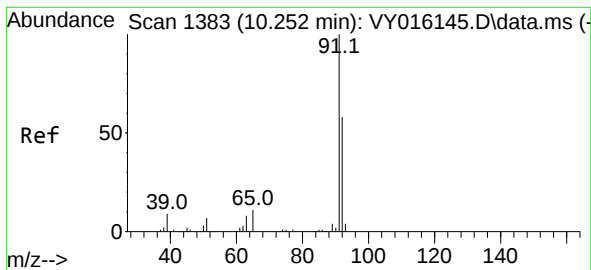
Delta R.T. 0.000 min

Lab File: VY016195.D

Acq: 02 Nov 2023 17:08

Tgt Ion: 98 Resp: 241429
 Ion Ratio Lower Upper
 98 100
 100 65.6 50.1 75.1





#52

Toluene

Concen: 2.469 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VY016195.D

Acq: 02 Nov 2023 17:08

Instrument :

MSVOA_Y

ClientSampleId :

L-2(125FT)(0-5)

Tgt Ion: 92 Resp: 796

Ion Ratio Lower Upper

92 100

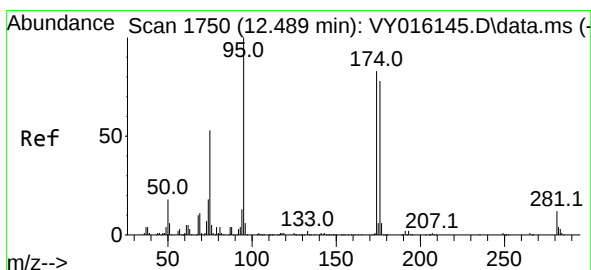
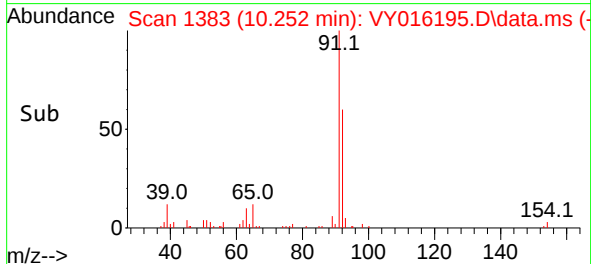
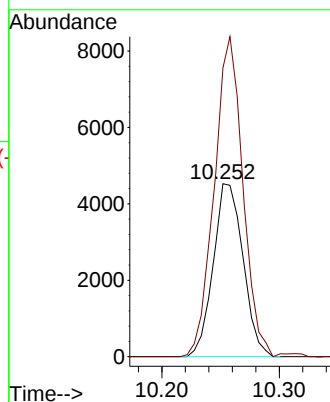
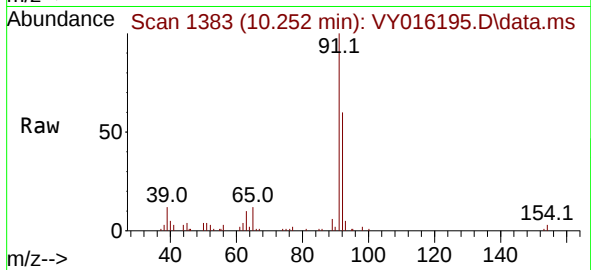
91 178.5 143.8 215.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 54.264 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY016195.D

Acq: 02 Nov 2023 17:08

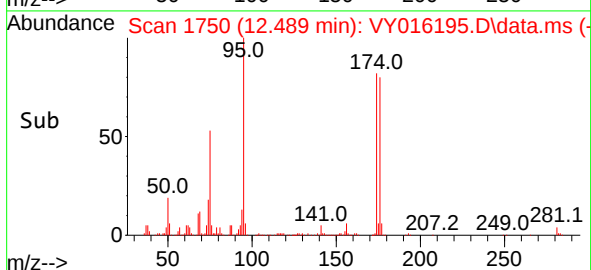
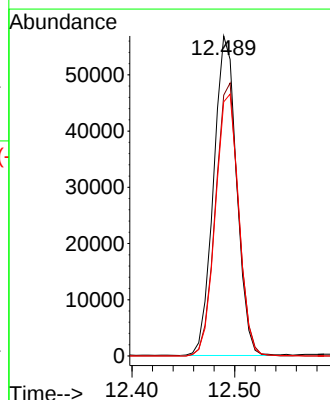
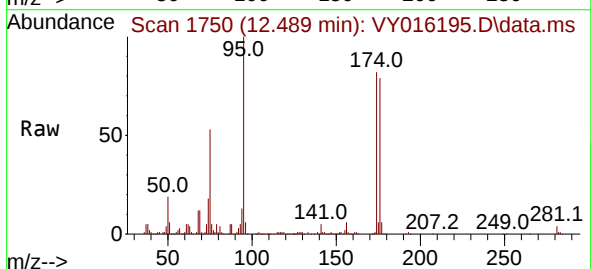
Tgt Ion: 95 Resp: 88343

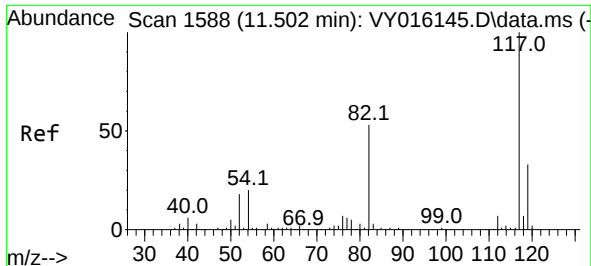
Ion Ratio Lower Upper

95 100

174 85.1 0.0 178.2

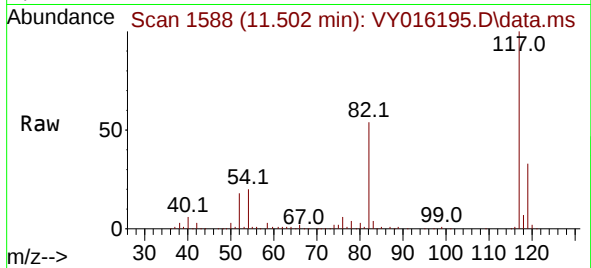
176 83.2 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11588
Delta R.T. 0.000 min
Lab File: VY016195.D
Acq: 02 Nov 2023 17:08

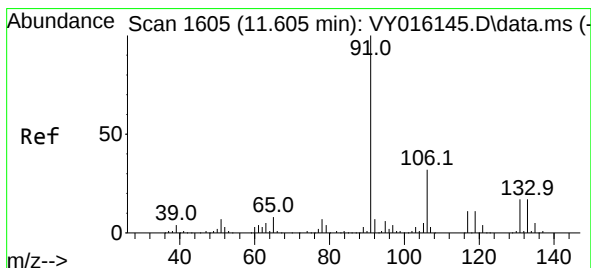
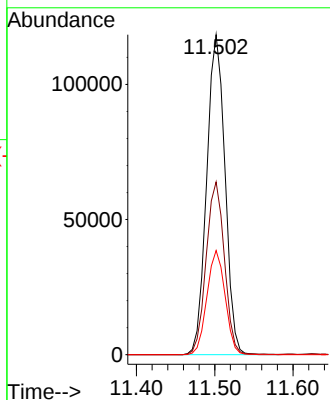
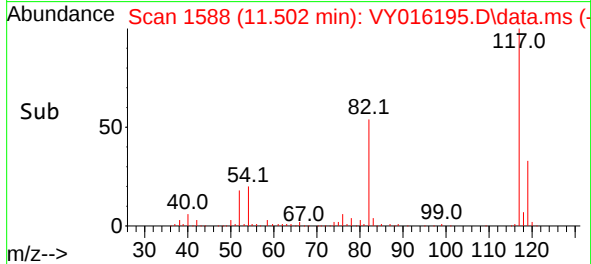
Instrument :
MSVOA_Y
ClientSampleId :
L-2(125FT)(0-5)



Tgt Ion:117 Resp: 19220
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 32.6 26.3 39.5

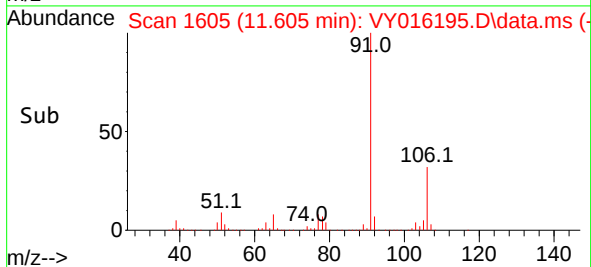
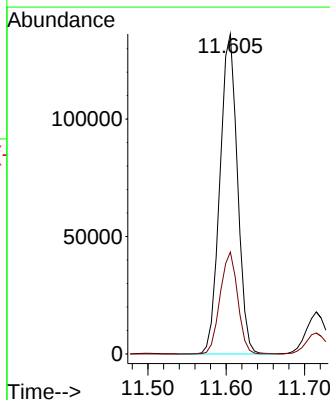
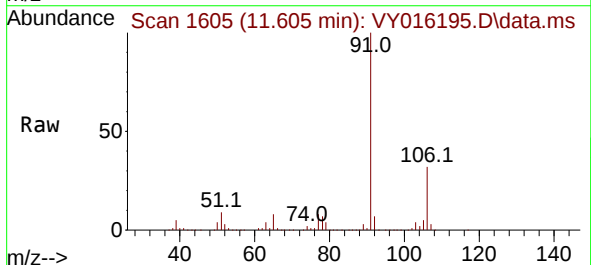
Manual Integrations
APPROVED

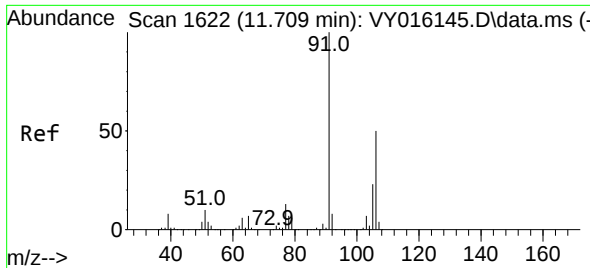
Reviewed By :Mahesh Dadoda 11/03/2023
Supervised By :Semsettin Yesilyurt 11/03/2023



#67
Ethyl Benzene
Concen: 31.164 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. 0.000 min
Lab File: VY016195.D
Acq: 02 Nov 2023 17:08

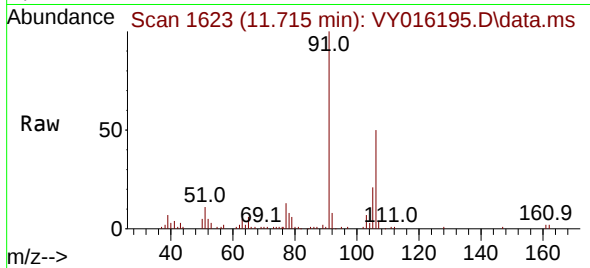
Tgt Ion: 91 Resp: 212850
Ion Ratio Lower Upper
91 100
106 31.9 24.6 36.8





#68
m/p-Xylenes
Concen: 6.054 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY016195.D
Acq: 02 Nov 2023 17:08

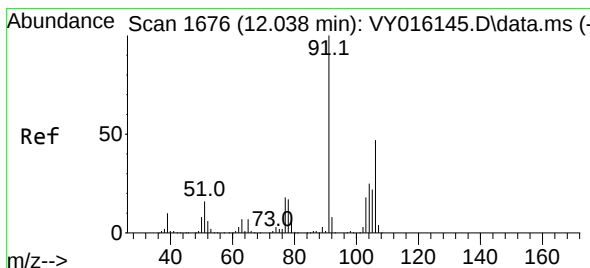
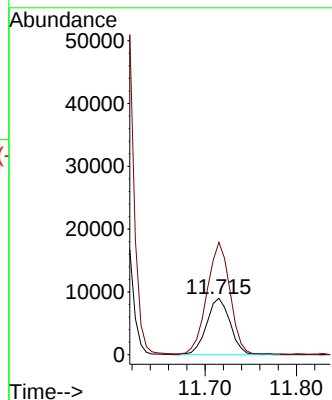
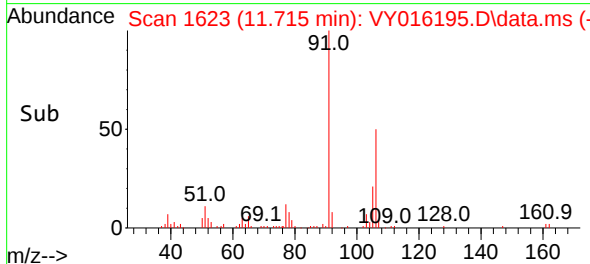
Instrument :
MSVOA_Y
ClientSampleId :
L-2(125FT)(0-5)



Tgt Ion:106 Resp: 15978
Ion Ratio Lower Upper
106 100
91 196.4 166.1 249.1

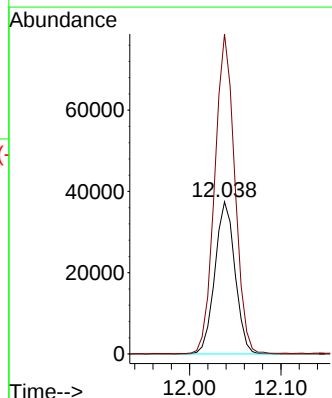
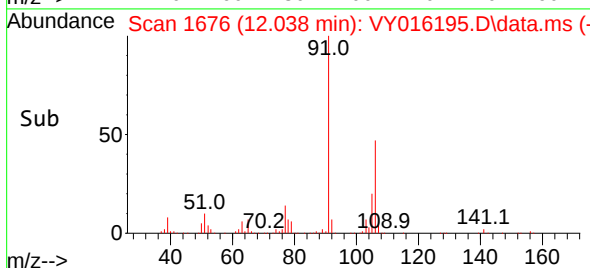
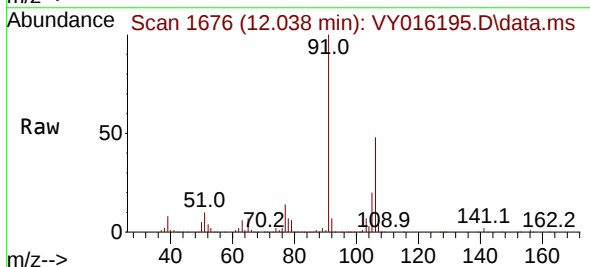
Manual Integrations
APPROVED

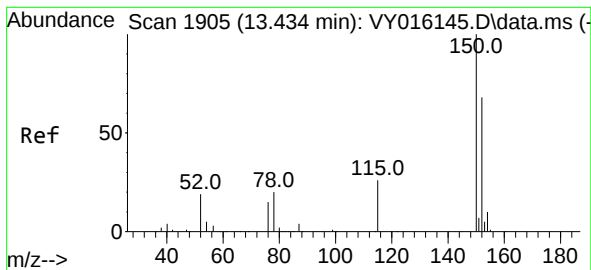
Reviewed By :Mahesh Dadoda 11/03/2023
Supervised By :Semsettin Yesilyurt 11/03/2023



#69
o-Xylene
Concen: 22.719 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VY016195.D
Acq: 02 Nov 2023 17:08

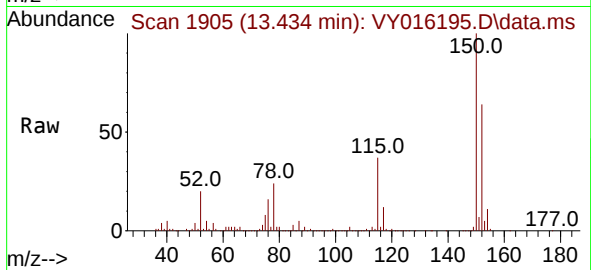
Tgt Ion:106 Resp: 57250
Ion Ratio Lower Upper
106 100
91 209.7 108.1 324.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY016195.D
Acq: 02 Nov 2023 17:08

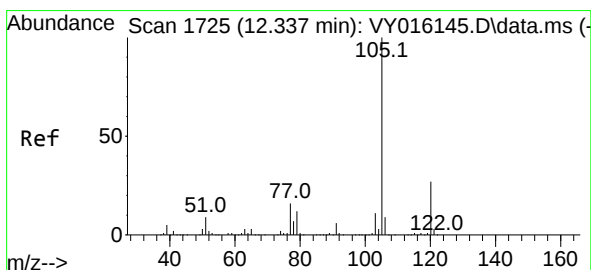
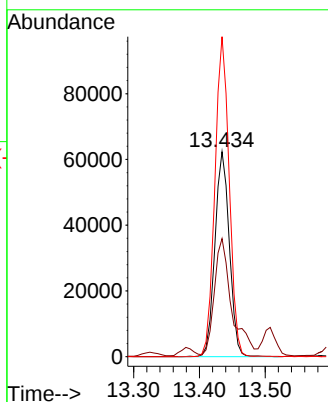
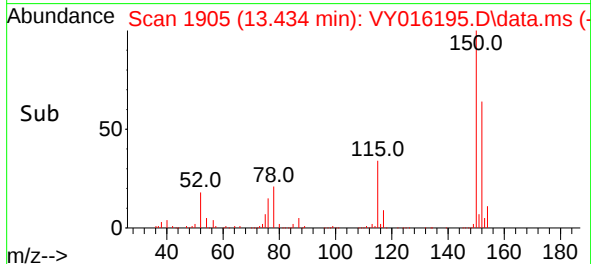
Instrument :
MSVOA_Y
ClientSampleId :
L-2(125FT)(0-5)



Tgt Ion:152 Resp: 95223
Ion Ratio Lower Upper
152 100
115 67.1 28.8 86.5
150 154.5 0.0 348.8

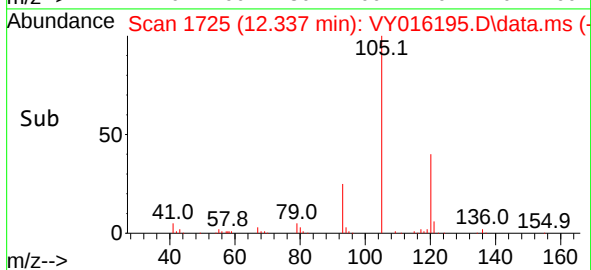
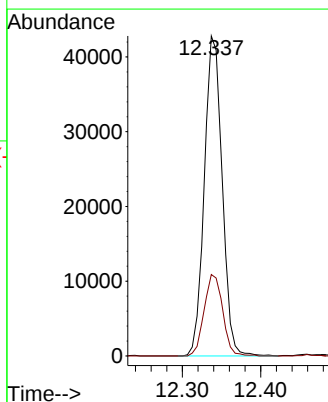
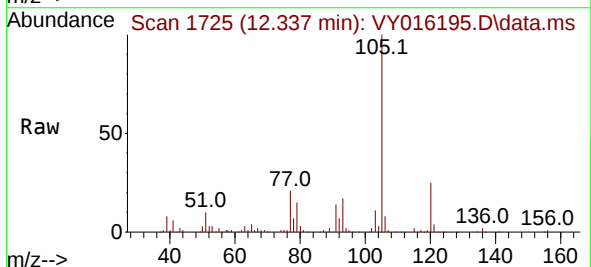
Manual Integrations
APPROVED

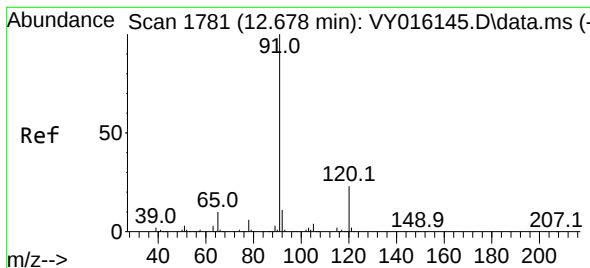
Reviewed By :Mahesh Dadoda 11/03/2023
Supervised By :Semsettin Yesilyurt 11/03/2023



#73
Isopropylbenzene
Concen: 9.472 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.000 min
Lab File: VY016195.D
Acq: 02 Nov 2023 17:08

Tgt Ion:105 Resp: 67657
Ion Ratio Lower Upper
105 100
120 26.4 13.3 39.9





#78

n-propylbenzene

Concen: 8.886 ug/l

RT: 12.678 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016195.D

Acq: 02 Nov 2023 17:08

Instrument :

MSVOA_Y

ClientSampleId :

L-2(125FT)(0-5)

Tgt Ion: 91 Resp: 7504

Ion Ratio Lower Upper

91 100

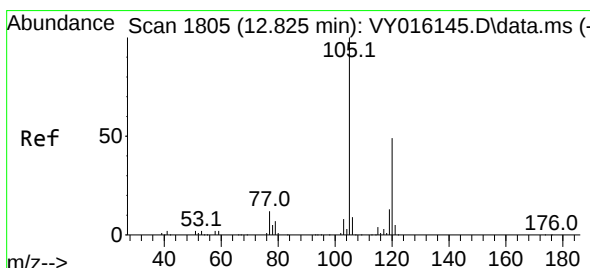
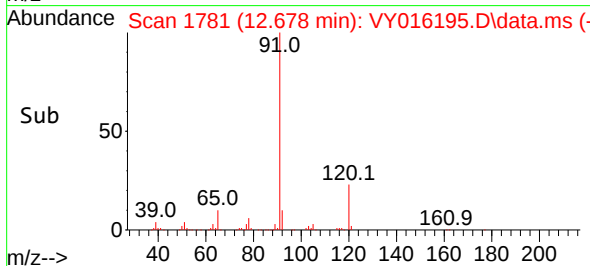
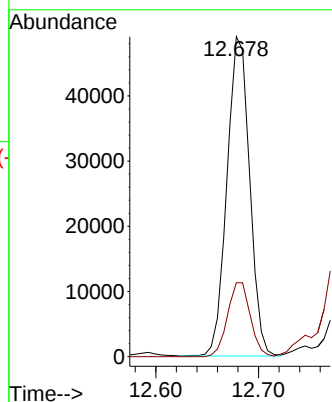
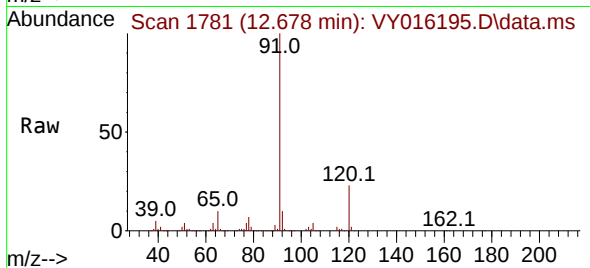
120 23.3 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/03/2023

Supervised By :Semsettin Yesilyurt 11/03/2023



#80

1,3,5-Trimethylbenzene

Concen: 9.664 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VY016195.D

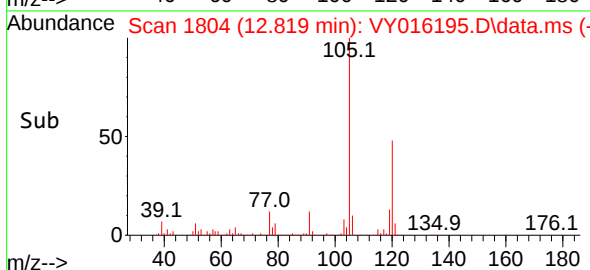
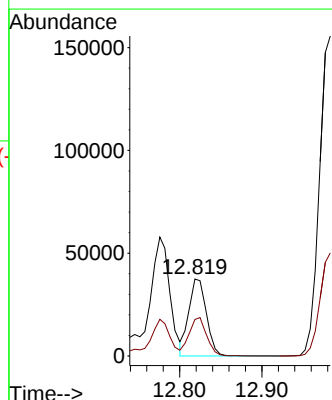
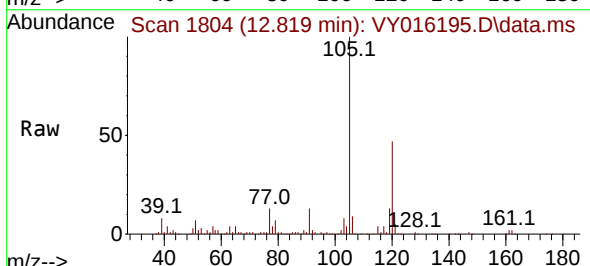
Acq: 02 Nov 2023 17:08

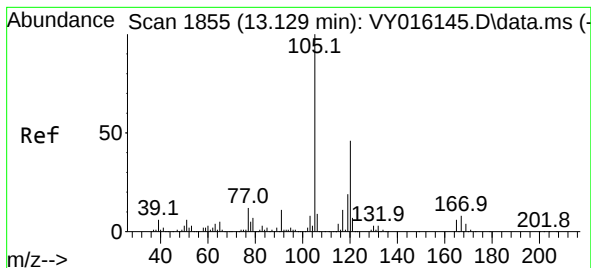
Tgt Ion:105 Resp: 55925

Ion Ratio Lower Upper

105 100

120 49.4 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 23.781 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. 0.000 min

Lab File: VY016195.D

Acq: 02 Nov 2023 17:08

Instrument :

MSVOA_Y

ClientSampleId :

L-2(125FT)(0-5)

Tgt Ion:105 Resp: 136174

Ion Ratio Lower Upper

105 100

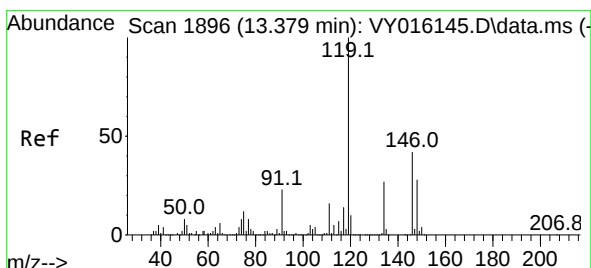
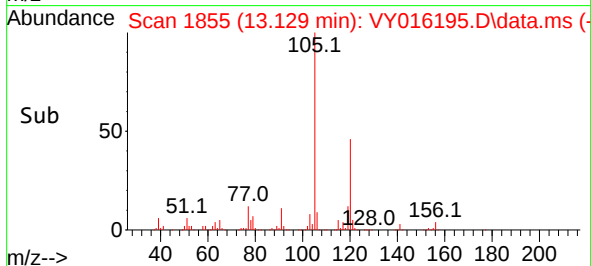
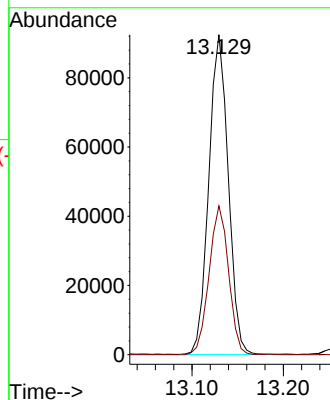
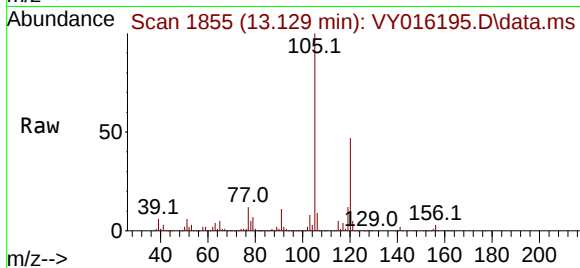
120 46.7 22.2 66.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/03/2023

Supervised By :Semsettin Yesilyurt 11/03/2023



#86

p-Isopropyltoluene

Concen: 4.675 ug/l

RT: 13.379 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY016195.D

Acq: 02 Nov 2023 17:08

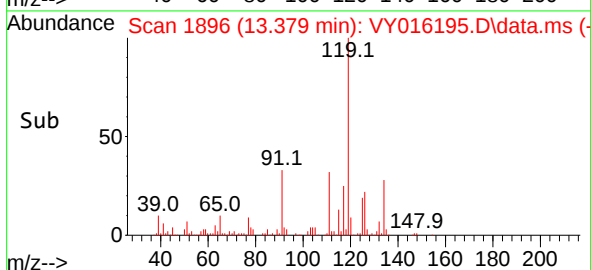
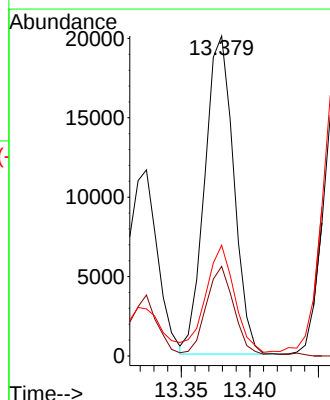
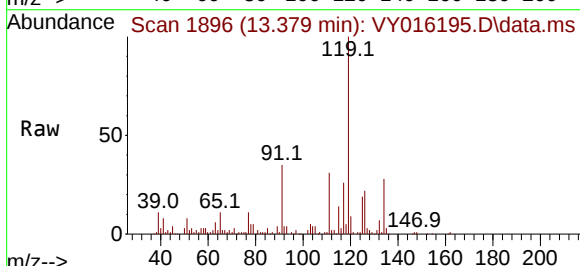
Tgt Ion:119 Resp: 29448

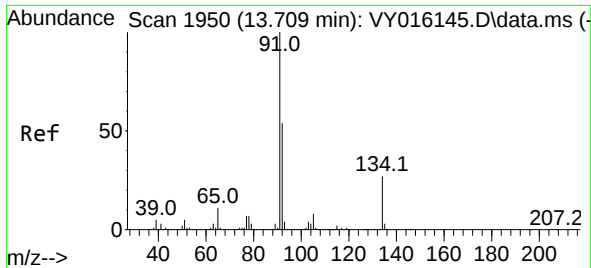
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 32.7 12.4 37.4





#89

n-Butylbenzene

Concen: 2.320 ug/l m

RT: 13.703 min Scan# 19

Delta R.T. -0.006 min

Lab File: VY016195.D

Acq: 02 Nov 2023 17:08

Instrument :

MSVOA_Y

ClientSampleId :

L-2(125FT)(0-5)

Tgt Ion: 91 Resp: 13420

Ion Ratio Lower Upper

91 100

92 0.0 25.4 76.0

134 277.0 12.6 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/03/2023

Supervised By :Semsettin Yesilyurt 11/03/2023

