

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
 Data File : VN077227.D
 Acq On : 28 Mar 2023 01:55
 Operator : JC\MD
 Sample : 02084-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-DRUM-WATER

Quant Time: Mar 28 07:50:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032523W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 27 02:47:06 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 03/28/2023
 Supervised By :Semsettin Yesilyurt 03/28/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	334463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	594000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	570723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.789	152	548748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	258353	49.403	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.800%		
35) Dibromofluoromethane	8.172	113	169756	42.117	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.240%		
50) Toluene-d8	10.572	98	762531	50.490	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.980%		
62) 4-Bromofluorobenzene	12.848	95	481942	97.232	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	194.460%#		
Target Compounds					Qvalue	
16) Acetone	4.437	43	368533	189.532	ug/l #	75
25) 2-Butanone	7.489	43	97720	32.141	ug/l #	82
31) Cyclohexane	8.266	56	1071296	147.466	ug/l	85
39) Methylcyclohexane	9.607	83	908445	138.655	ug/l #	85
40) Benzene	8.613	78	17348672	1009.110	ug/l	98
52) Toluene	10.625	92	24395832m	2326.790	ug/l	
67) Ethyl Benzene	11.960	91	17505375	836.820	ug/l	91
68) m/p-Xylenes	12.066	106	21501880m	2702.403	ug/l	
69) o-Xylene	12.401	106	9590176	1244.674	ug/l	88
73) Isopropylbenzene	12.695	105	1907018	44.169	ug/l	96
78) n-propylbenzene	13.042	91	5453760	109.530	ug/l	95
80) 1,3,5-Trimethylbenzene	13.177	105	6749872	187.732	ug/l	96
84) 1,2,4-Trimethylbenzene	13.477	105	19479048	551.295	ug/l	70
86) p-Isopropyltoluene	13.736	119	140428	4.043	ug/l #	78
89) n-Butylbenzene	14.060	91	423167	14.859	ug/l #	80
91) 1,2-Dichlorobenzene	14.107	146	98235	5.490	ug/l #	82
95) Naphthalene	15.642	128	7979784	245.195	ug/l	99

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

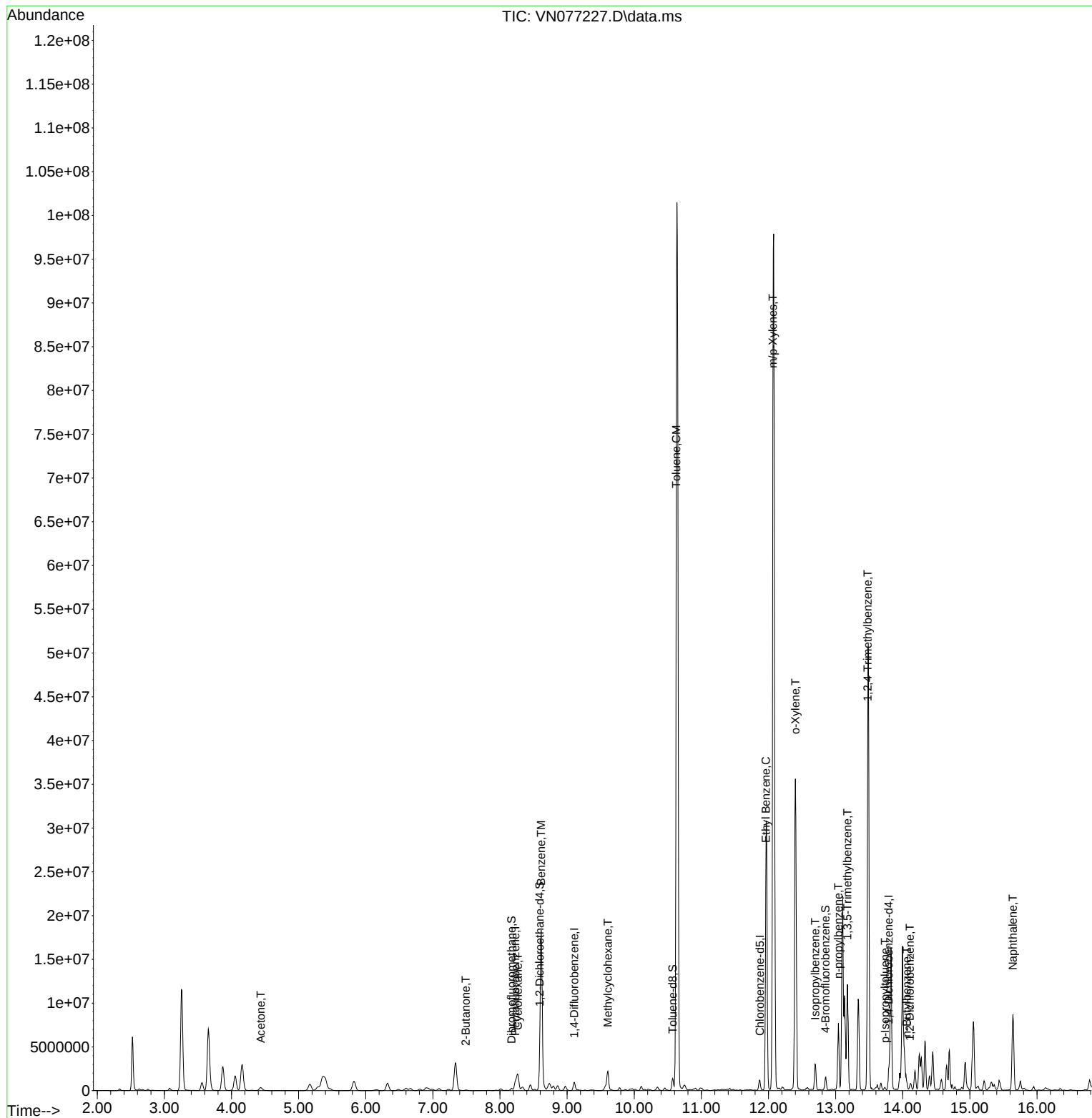
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
Data File : VN077227.D
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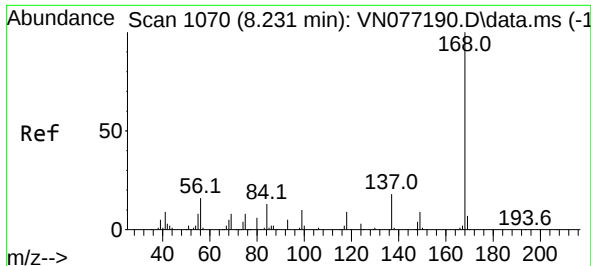
Instrument :
MSVOA_N
ClientSampleId :
WASTE-DRUM-WATER

Quant Time: Mar 28 07:50:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032523W.M
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APPROVED

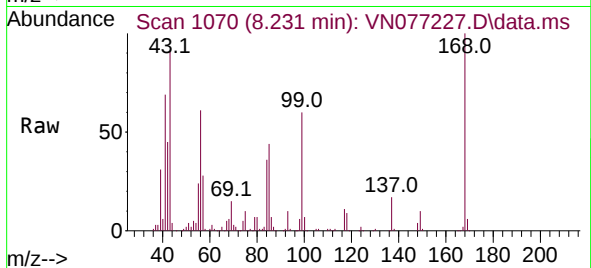
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077227.D
Acq: 28 Mar 2023 01:55

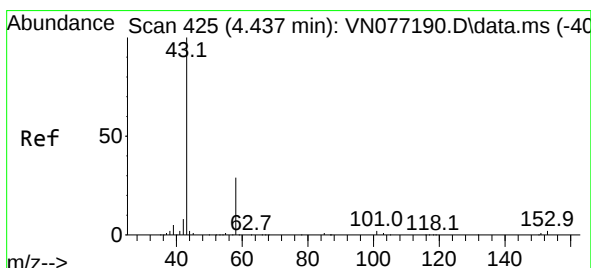
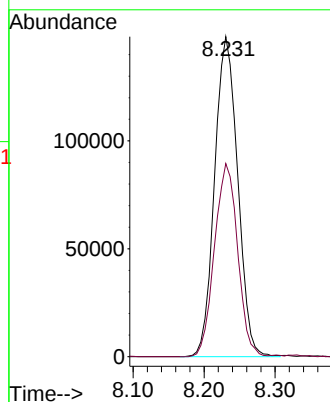
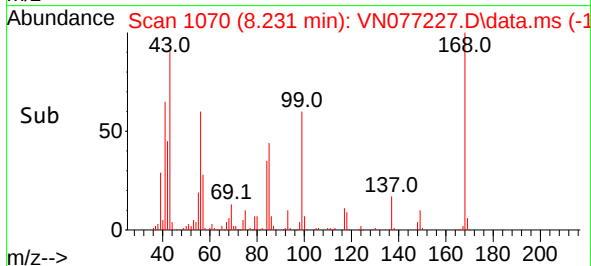
Instrument :
MSVOA_N
ClientSampleId :
WASTE-DRUM-WATER



Tgt Ion:168 Resp: 33446
Ion Ratio Lower Upper
168 100
99 60.4 48.6 73.0

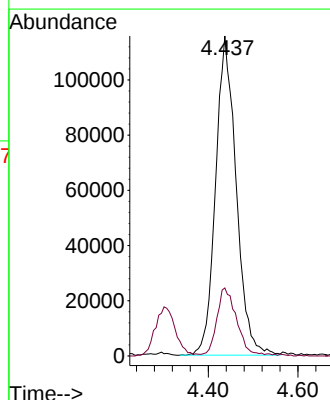
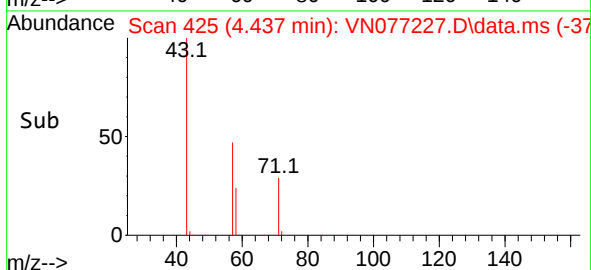
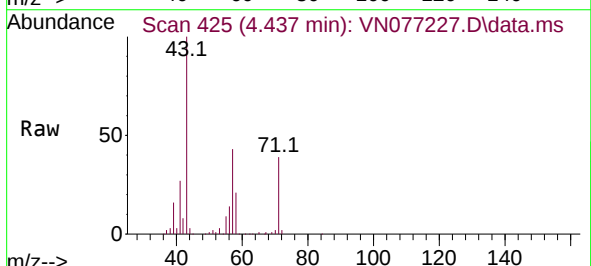
Manual Integrations
APPROVED

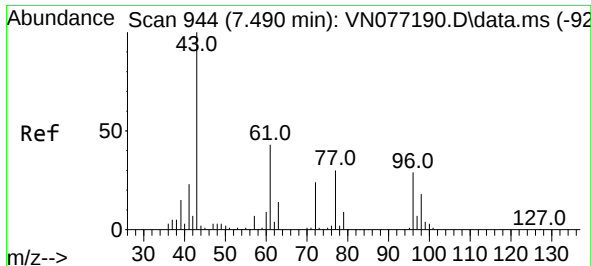
Reviewed By :John Carlone 03/28/2023
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#16
Acetone
Concen: 189.532 ug/l
RT: 4.437 min Scan# 425
Delta R.T. -0.000 min
Lab File: VN077227.D
Acq: 28 Mar 2023 01:55

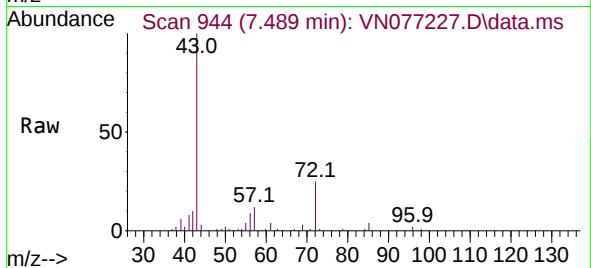
Tgt Ion: 43 Resp: 368533
Ion Ratio Lower Upper
43 100
58 20.7 28.2 42.2#





#25
2-Butanone
Concen: 32.141 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.001 min
Lab File: VN077227.D
Acq: 28 Mar 2023 01:55

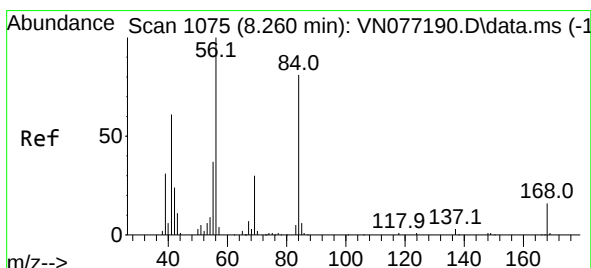
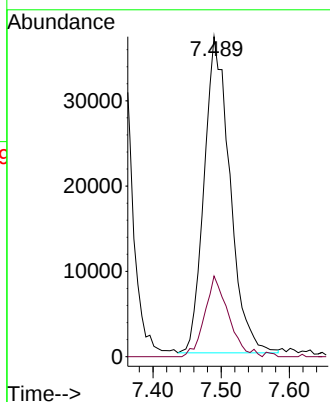
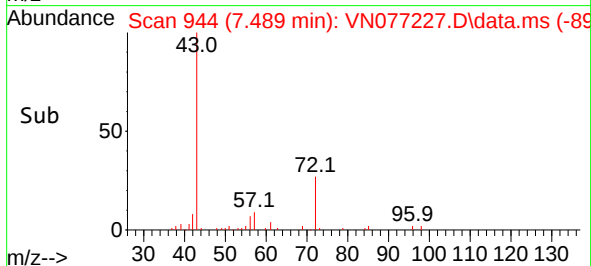
Instrument :
MSVOA_N
ClientSampleId :
WASTE-DRUM-WATER



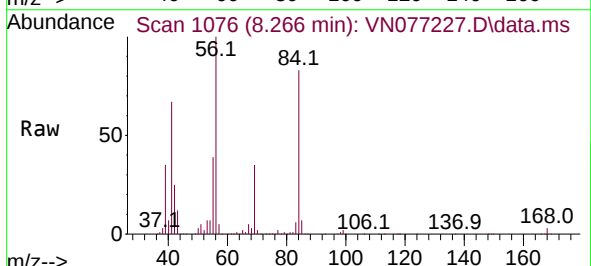
Tgt Ion: 43 Resp: 97720
Ion Ratio Lower Upper
43 100
72 25.5 28.8 43.2

Manual Integrations
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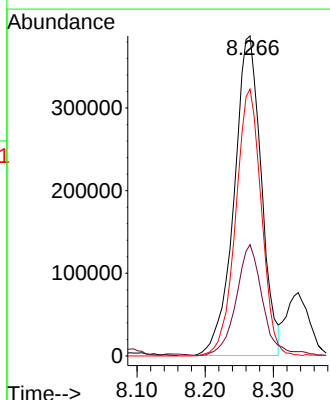
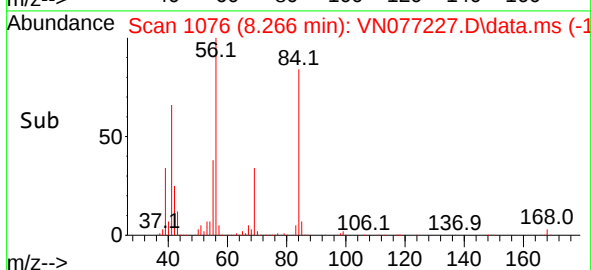
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023

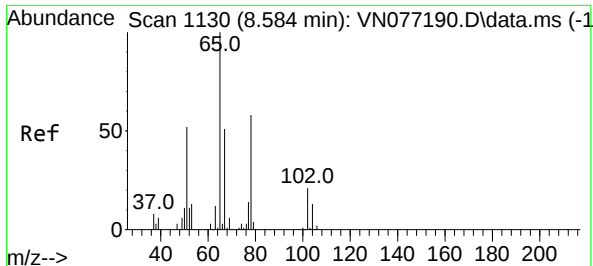


#31
Cyclohexane
Concen: 147.466 ug/l
RT: 8.266 min Scan# 1076
Delta R.T. 0.006 min
Lab File: VN077227.D
Acq: 28 Mar 2023 01:55



Tgt Ion: 56 Resp: 1071296
Ion Ratio Lower Upper
56 100
69 34.3 27.0 40.6
84 83.5 82.9 124.3





#33

1,2-Dichloroethane-d4

Concen: 49.403 ug/l

RT: 8.589 min Scan# 1131

Delta R.T. 0.005 min

Lab File: VN077227.D

Acq: 28 Mar 2023 01:55

Instrument :

MSVOA_N

ClientSampleId :

WASTE-DRUM-WATER

Tgt Ion: 65 Resp: 25835

Ion Ratio Lower Upper

65 100

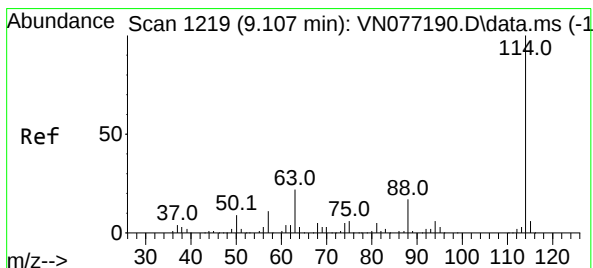
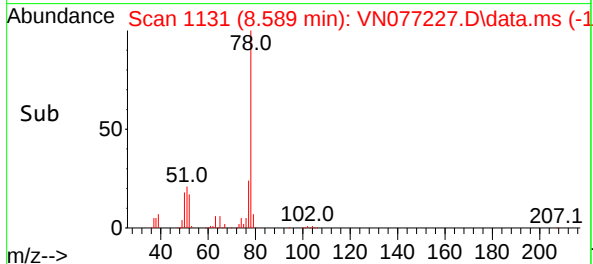
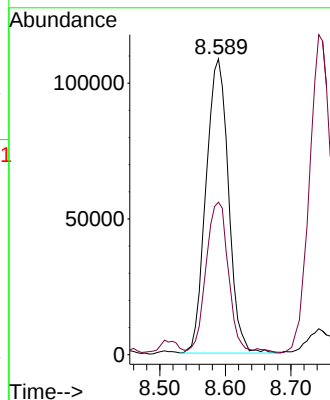
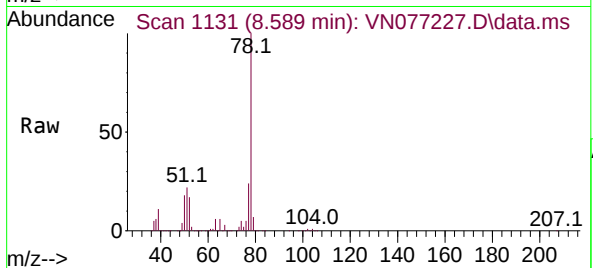
67 49.1 0.0 107.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN077227.D

Acq: 28 Mar 2023 01:55

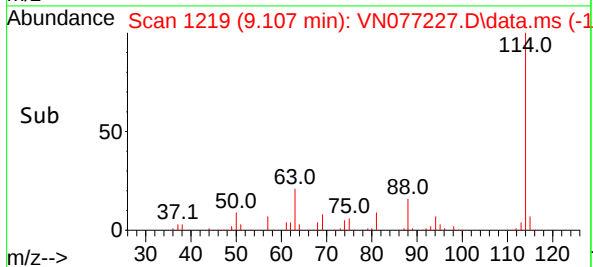
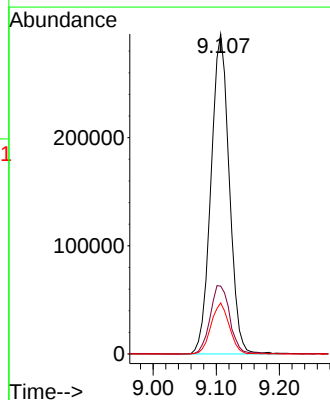
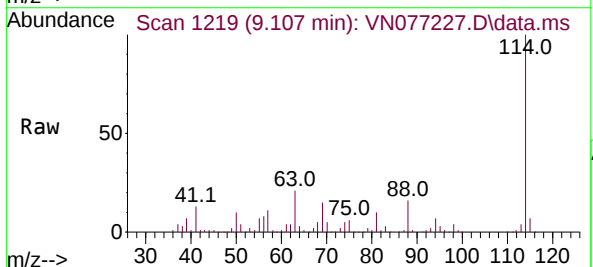
Tgt Ion:114 Resp: 594000

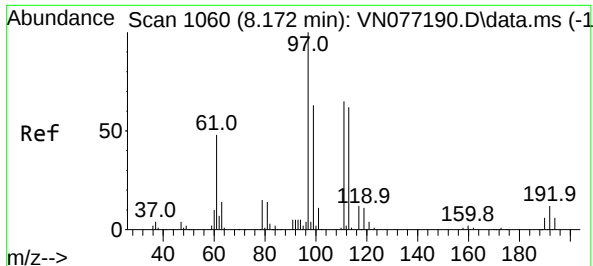
Ion Ratio Lower Upper

114 100

63 21.2 0.0 36.6

88 15.9 0.0 28.6





#35

Dibromofluoromethane

Concen: 42.117 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077227.D

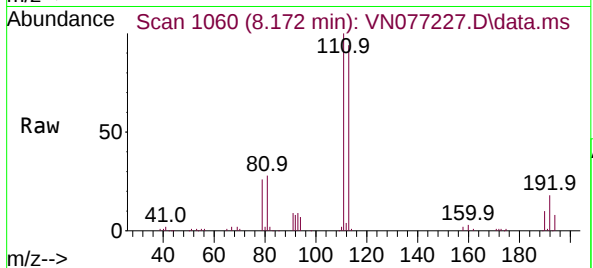
Acq: 28 Mar 2023 01:55

Instrument :

MSVOA_N

ClientSampleId :

WASTE-DRUM-WATER



Tgt Ion: 113 Resp: 169750

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

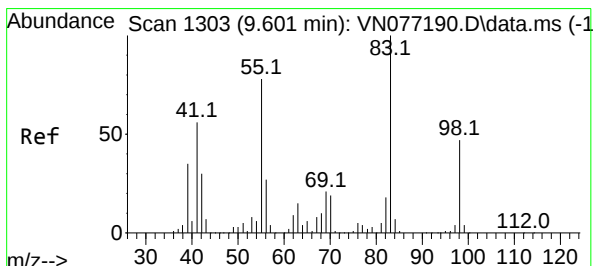
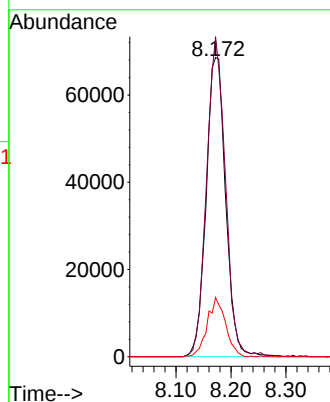
192 18.5 13.9 20.9

Manual Integrations

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Supervised By :Semsettin Yesilyurt 03/28/2023



#39

Methylcyclohexane

Concen: 138.655 ug/l

RT: 9.607 min Scan# 1304

Delta R.T. 0.006 min

Lab File: VN077227.D

Acq: 28 Mar 2023 01:55

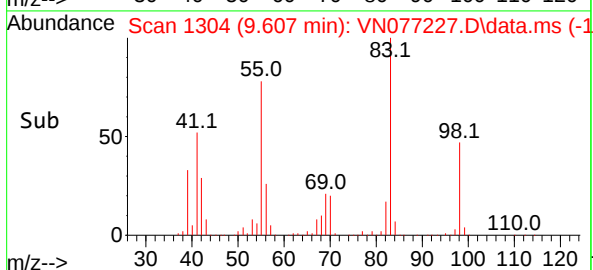
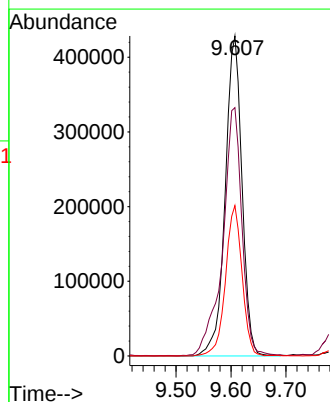
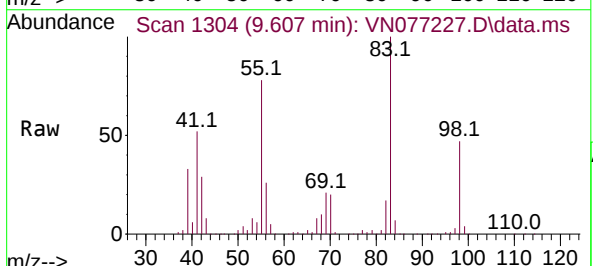
Tgt Ion: 83 Resp: 908445

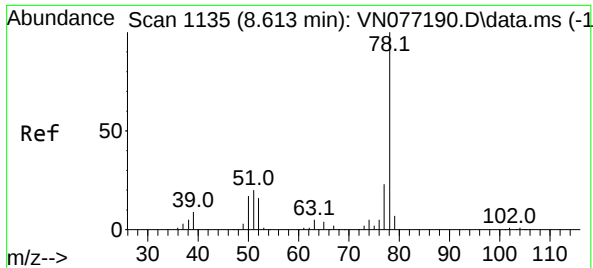
Ion Ratio Lower Upper

83 100

55 77.5 47.0 70.4

98 47.0 39.4 59.0





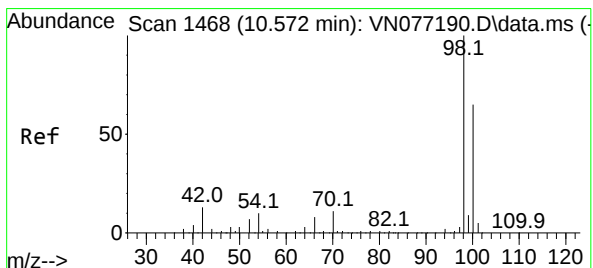
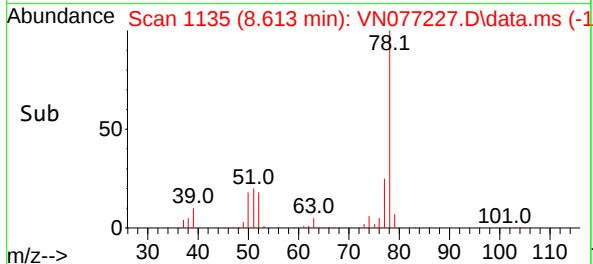
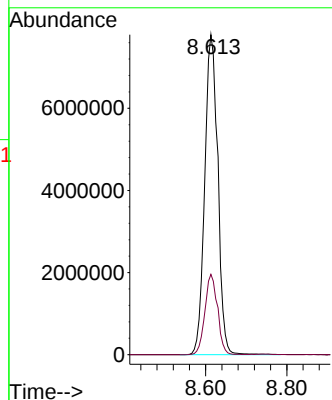
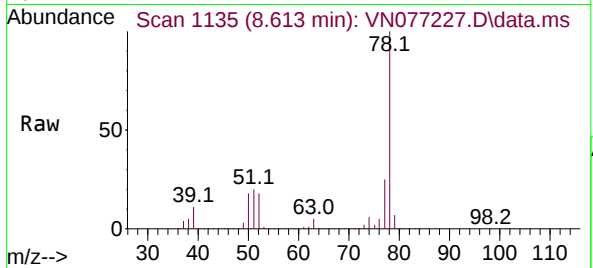
#40
Benzene
Concen: 1009.110 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN077227.D
Acq: 28 Mar 2023 01:55

Instrument :
MSVOA_N
ClientSampleId :
WASTE-DRUM-WATER

Tgt Ion: 78 Resp:1734867
Ion Ratio Lower Upper
78 100
77 25.1 19.3 28.9

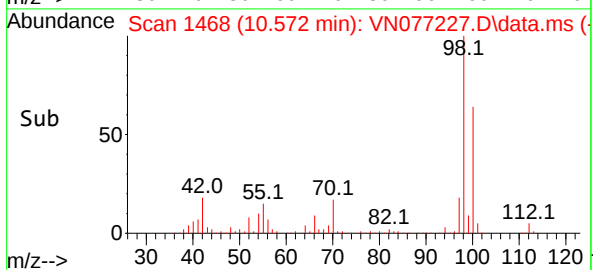
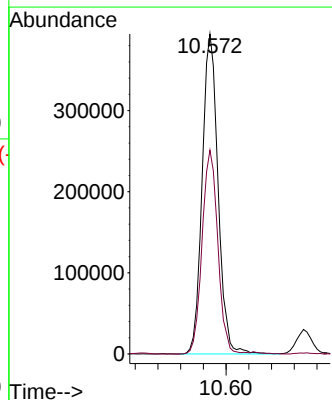
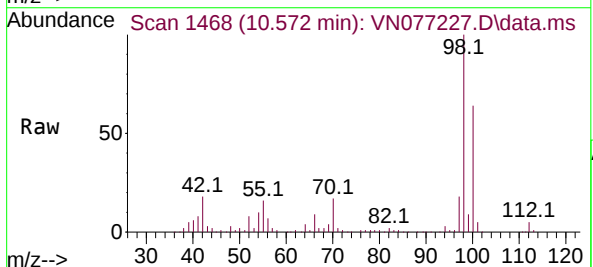
Manual Integrations
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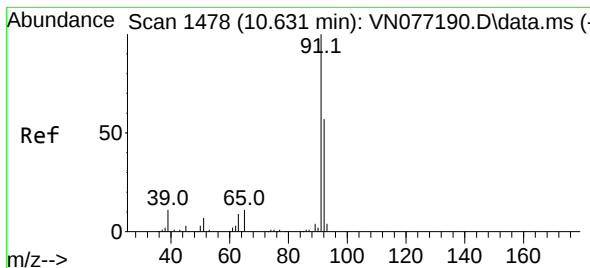
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#50
Toluene-d8
Concen: 50.490 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077227.D
Acq: 28 Mar 2023 01:55

Tgt Ion: 98 Resp: 762531
Ion Ratio Lower Upper
98 100
100 63.1 52.8 79.2





#52

Toluene

Concen: 2326.790 ug/l m

RT: 10.625 min Scan# 1477

Delta R.T. -0.006 min

Lab File: VN077227.D

Acq: 28 Mar 2023 01:55

Instrument :

MSVOA_N

ClientSampleId :

WASTE-DRUM-WATER

Tgt Ion: 92 Resp:2439583

Ion Ratio Lower Upper

92 100

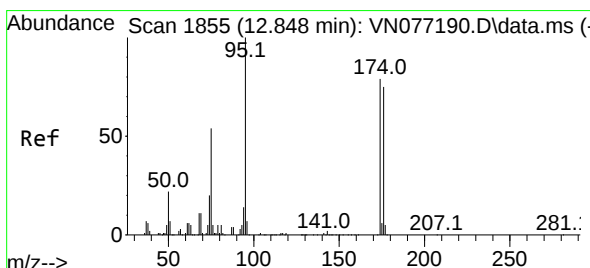
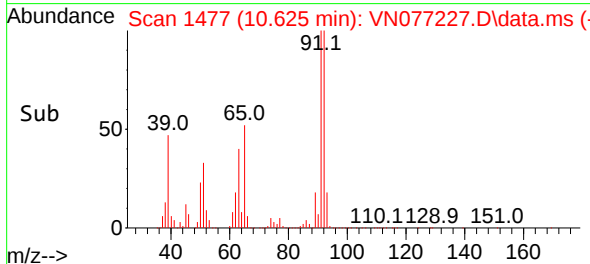
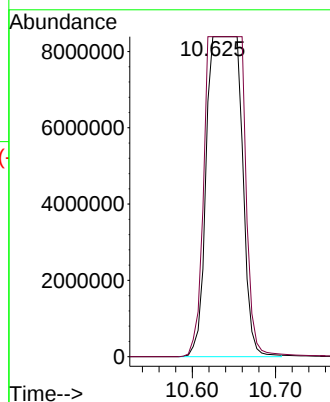
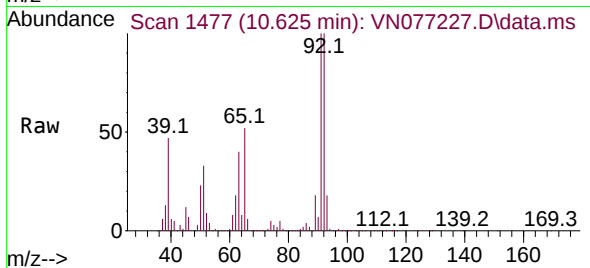
91 0.0 138.2 207.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 97.232 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. -0.000 min

Lab File: VN077227.D

Acq: 28 Mar 2023 01:55

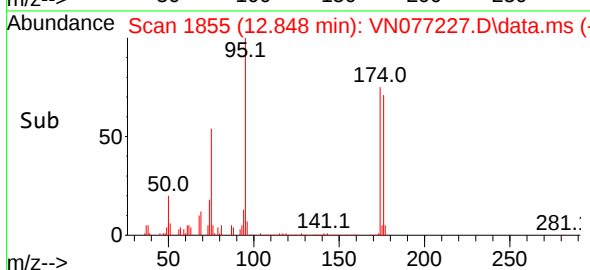
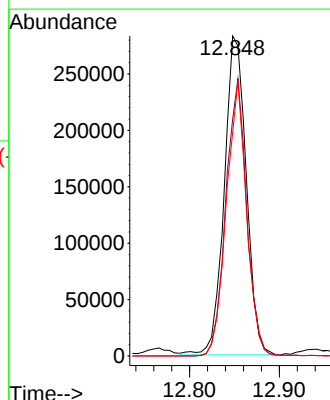
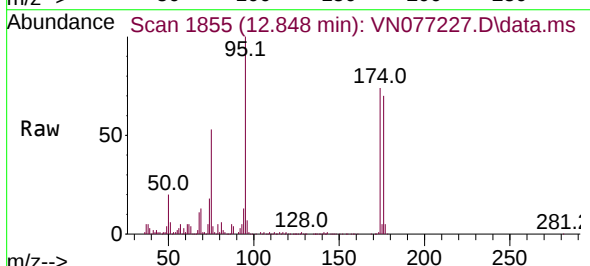
Tgt Ion: 95 Resp: 481942

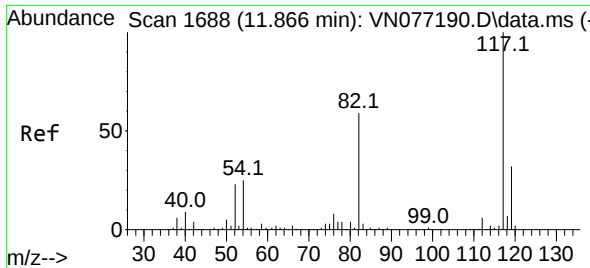
Ion Ratio Lower Upper

95 100

174 82.1 0.0 162.4

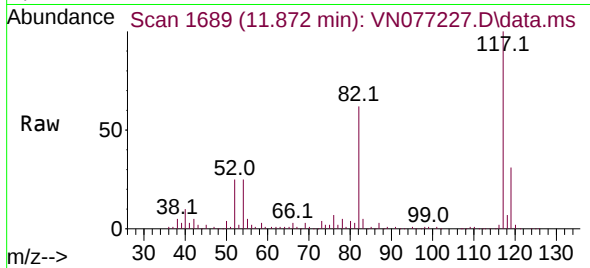
176 79.1 0.0 157.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077227.D
Acq: 28 Mar 2023 01:55

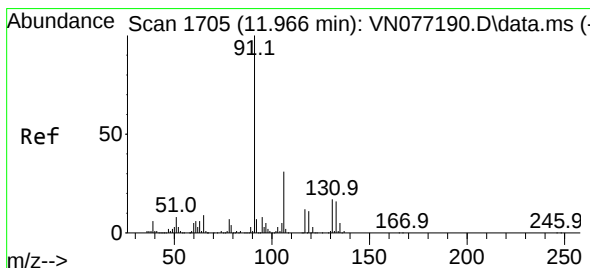
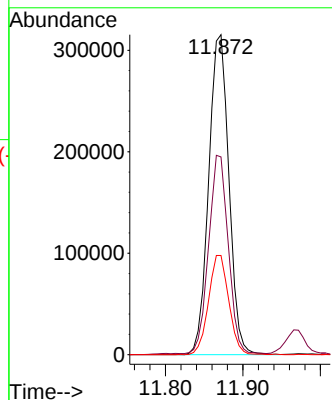
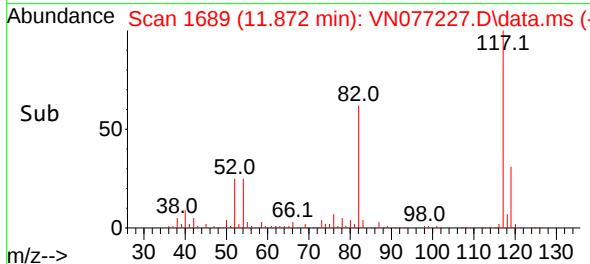
Instrument :
MSVOA_N
ClientSampleId :
WASTE-DRUM-WATER



Tgt Ion:117 Resp: 57072
Ion Ratio Lower Upper
117 100
82 61.5 43.5 65.3
119 30.9 25.5 38.3

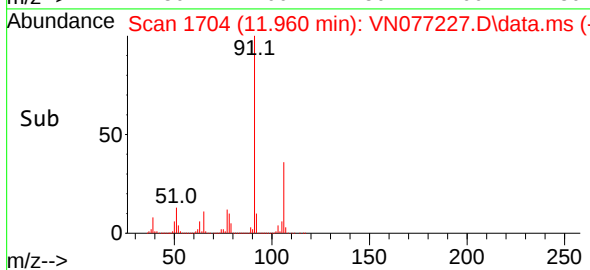
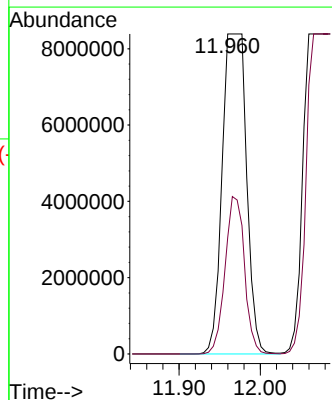
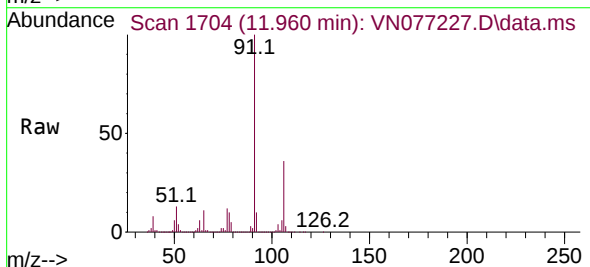
Manual Integrations
APPROVED

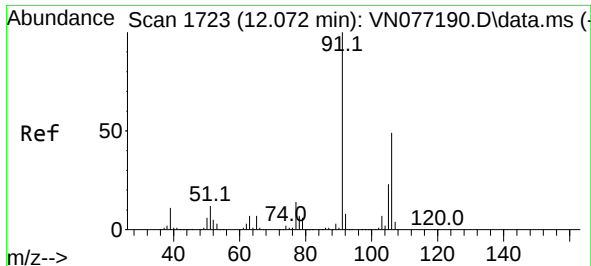
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#67
Ethyl Benzene
Concen: 836.820 ug/l
RT: 11.960 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VN077227.D
Acq: 28 Mar 2023 01:55

Tgt Ion: 91 Resp:17505375
Ion Ratio Lower Upper
91 100
106 36.4 25.1 37.7





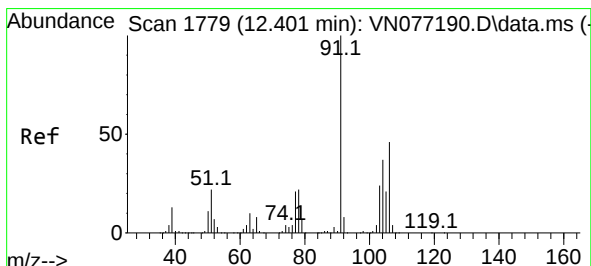
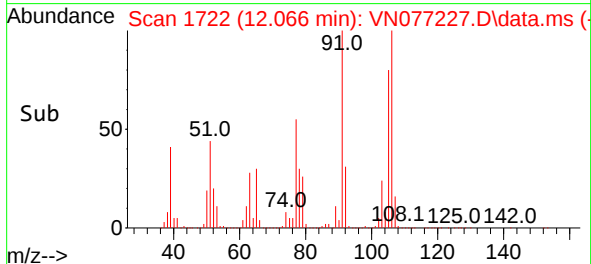
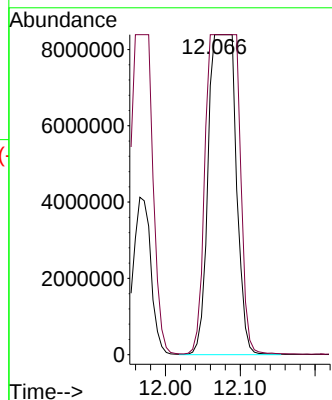
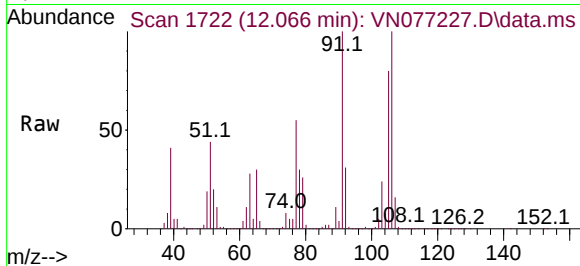
#68
m/p-Xylenes
Concen: 2702.403 ug/l m
RT: 12.066 min Scan# 1722
Delta R.T. -0.006 min
Lab File: VN077227.D
Acq: 28 Mar 2023 01:55

Instrument :
MSVOA_N
ClientSampleId :
WASTE-DRUM-WATER

Tgt Ion:106 Resp:21501880
Ion Ratio Lower Upper
106 100
91 81.4 158.0 237.0

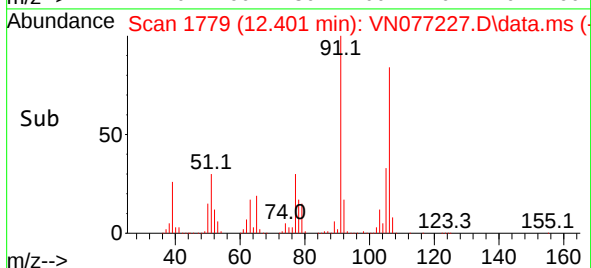
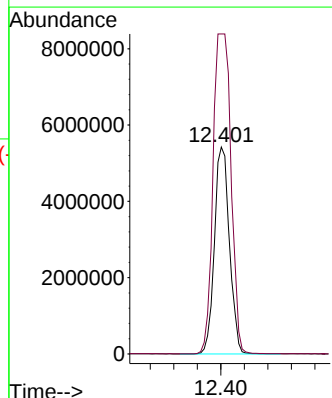
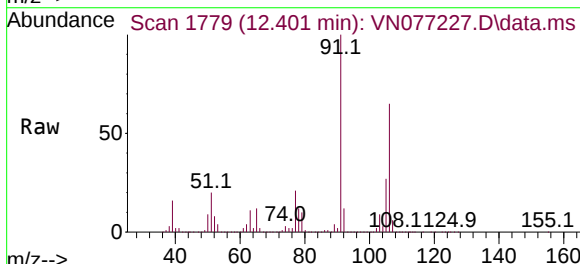
Manual Integrations
APPROVED

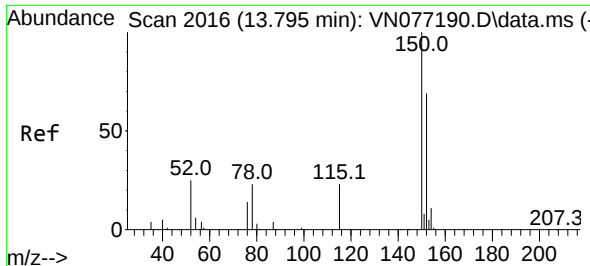
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#69
o-Xylene
Concen: 1244.674 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077227.D
Acq: 28 Mar 2023 01:55

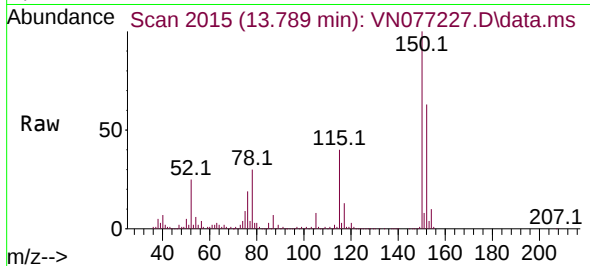
Tgt Ion:106 Resp: 9590176
Ion Ratio Lower Upper
106 100
91 185.5 101.8 305.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.789 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN077227.D
Acq: 28 Mar 2023 01:55

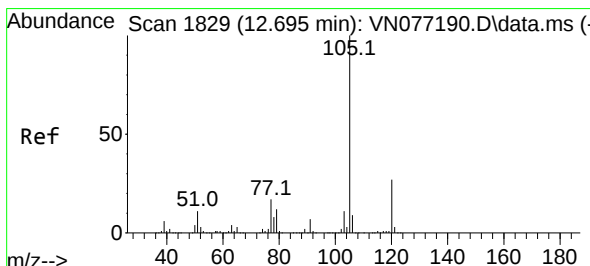
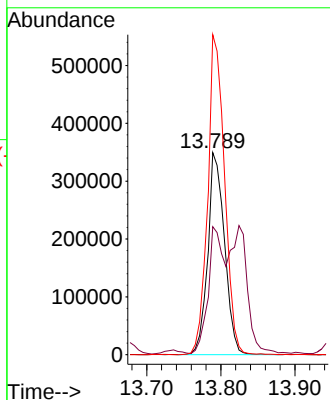
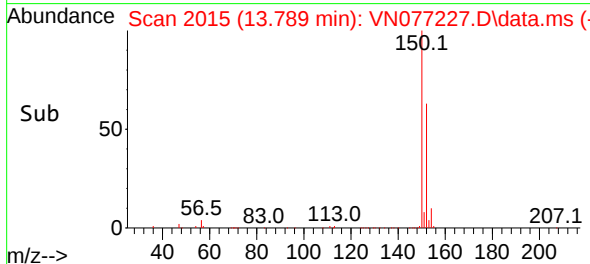
Instrument :
MSVOA_N
ClientSampleId :
WASTE-DRUM-WATER



Tgt Ion:152 Resp: 548748
Ion Ratio Lower Upper
152 100
115 60.3 30.3 90.9
150 159.6 0.0 353.6

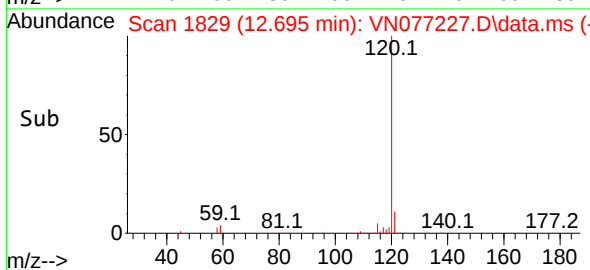
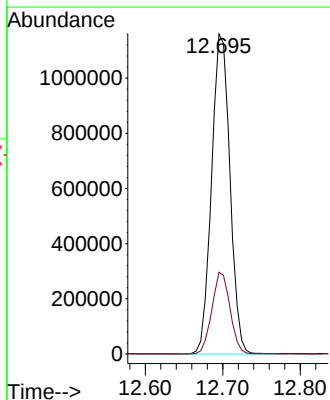
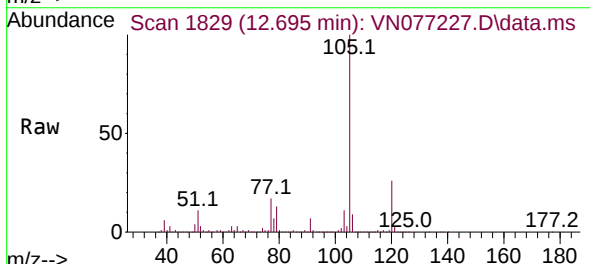
Manual Integrations
APPROVED

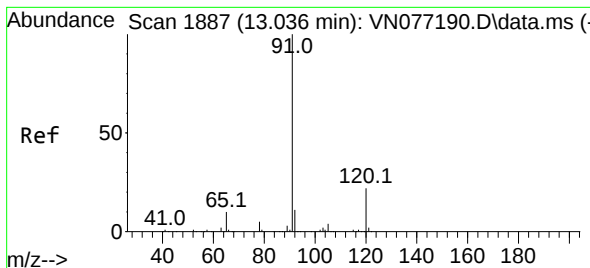
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#73
Isopropylbenzene
Concen: 44.169 ug/l
RT: 12.695 min Scan# 1829
Delta R.T. 0.000 min
Lab File: VN077227.D
Acq: 28 Mar 2023 01:55

Tgt Ion:105 Resp: 1907018
Ion Ratio Lower Upper
105 100
120 25.3 13.8 41.4





#78

n-propylbenzene

Concen: 109.530 ug/l

RT: 13.042 min Scan# 1888

Delta R.T. 0.006 min

Lab File: VN077227.D

Acq: 28 Mar 2023 01:55

Instrument :

MSVOA_N

ClientSampleId :

WASTE-DRUM-WATER

Tgt Ion: 91 Resp: 5453760

Ion Ratio Lower Upper

91 100

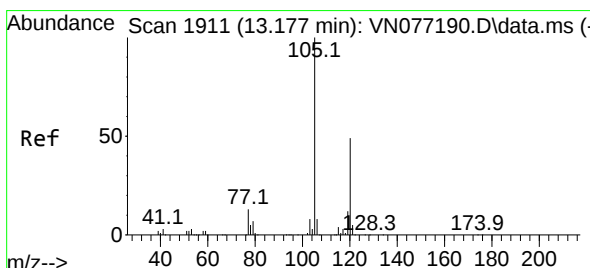
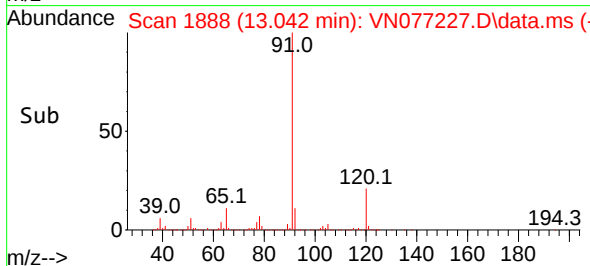
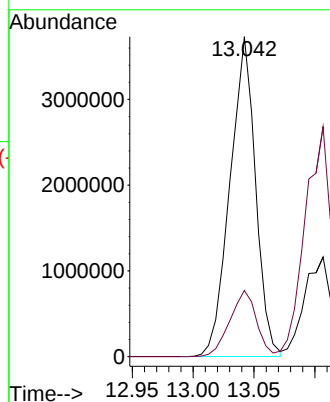
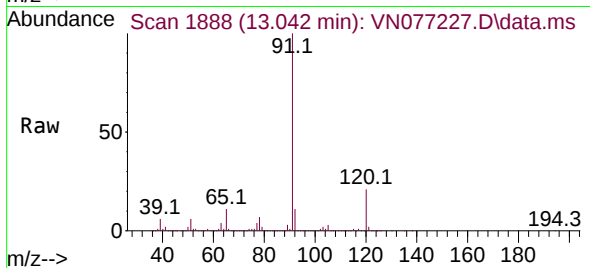
120 21.6 11.9 35.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2023

Supervised By :Semsettin Yesilyurt 03/28/2023



#80

1,3,5-Trimethylbenzene

Concen: 187.732 ug/l

RT: 13.177 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VN077227.D

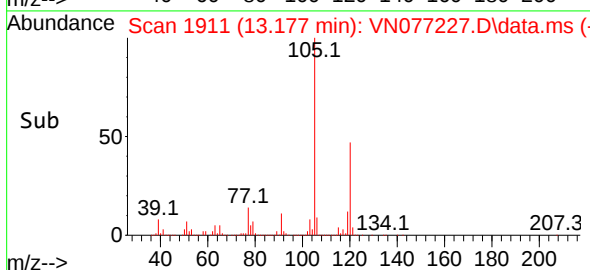
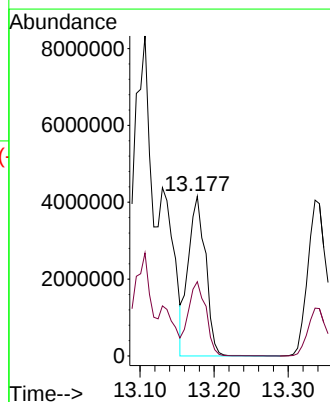
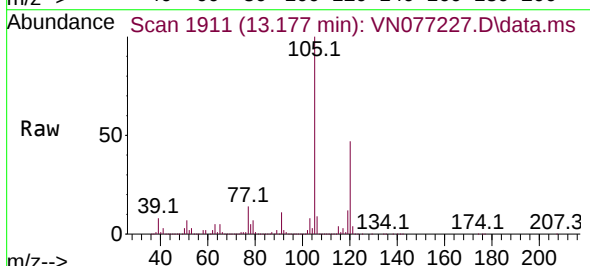
Acq: 28 Mar 2023 01:55

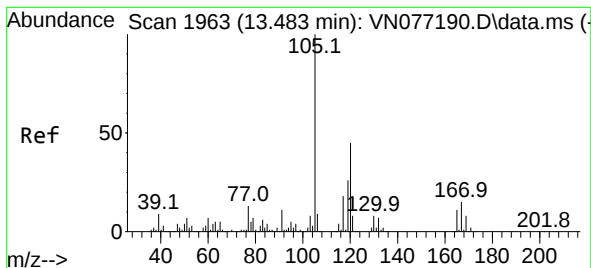
Tgt Ion:105 Resp: 6749872

Ion Ratio Lower Upper

105 100

120 47.6 25.2 75.6





#84

1,2,4-Trimethylbenzene

Concen: 551.295 ug/l

RT: 13.477 min Scan# 1962

Delta R.T. -0.006 min

Lab File: VN077227.D

Acq: 28 Mar 2023 01:55

Instrument :

MSVOA_N

ClientSampleId :

WASTE-DRUM-WATER

Tgt Ion:105 Resp:1947904

Ion Ratio Lower Upper

105 100

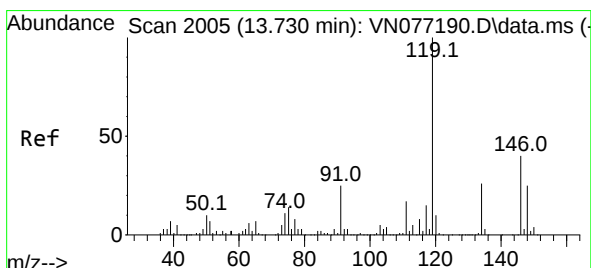
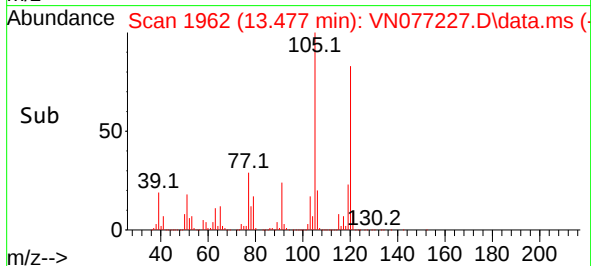
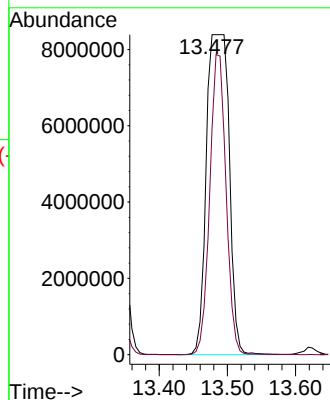
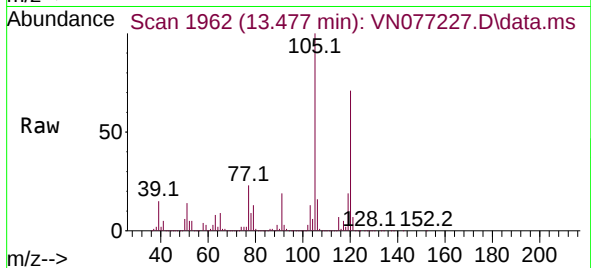
120 67.1 23.6 70.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2023

Supervised By :Semsettin Yesilyurt 03/28/2023



#86

p-Isopropyltoluene

Concen: 4.043 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. 0.006 min

Lab File: VN077227.D

Acq: 28 Mar 2023 01:55

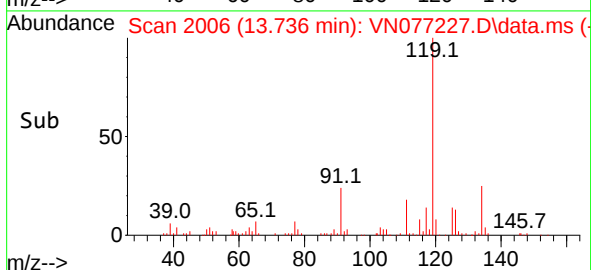
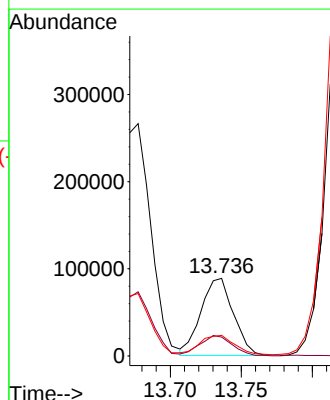
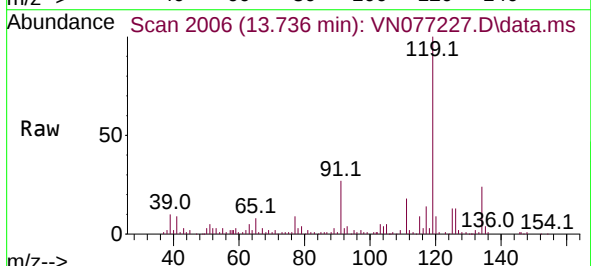
Tgt Ion:119 Resp: 140428

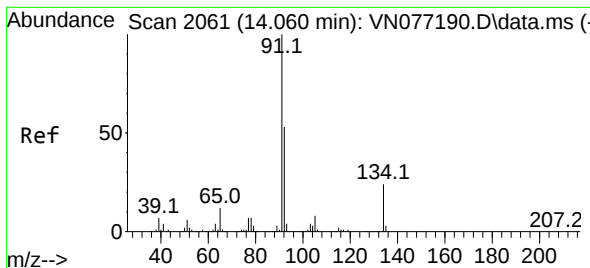
Ion Ratio Lower Upper

119 100

134 26.2 13.5 40.5

91 0.0 11.2 33.6#





#89

n-Butylbenzene

Concen: 14.859 ug/l

RT: 14.060 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VN077227.D

Acq: 28 Mar 2023 01:55

Instrument :

MSVOA_N

ClientSampleId :

WASTE-DRUM-WATER

Tgt Ion: 91 Resp: 42316

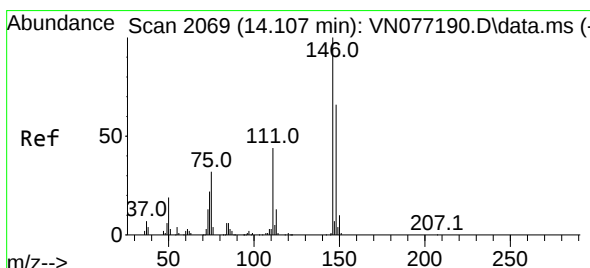
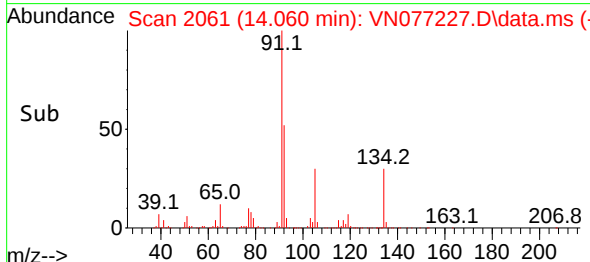
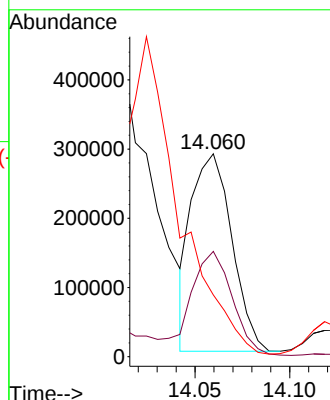
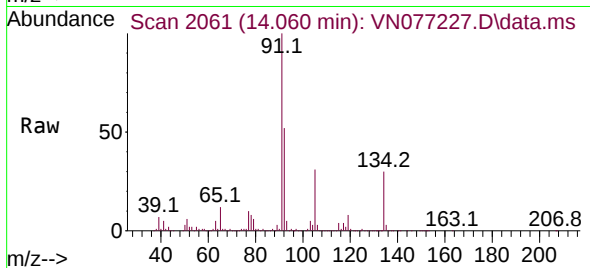
Ion	Ratio	Lower	Upper
91	100		
92	55.5	26.6	79.7
134	0.0	13.6	40.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2023

Supervised By :Semsettin Yesilyurt 03/28/2023



#91

1,2-Dichlorobenzene

Concen: 5.490 ug/l

RT: 14.107 min Scan# 2069

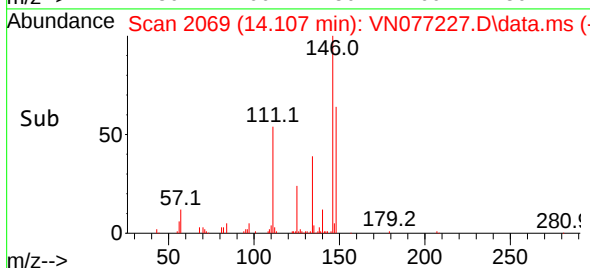
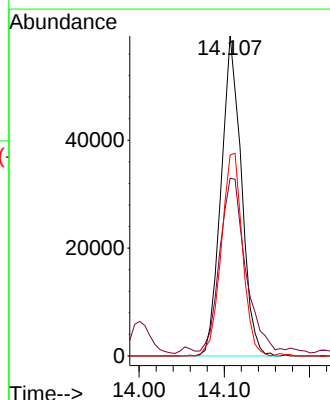
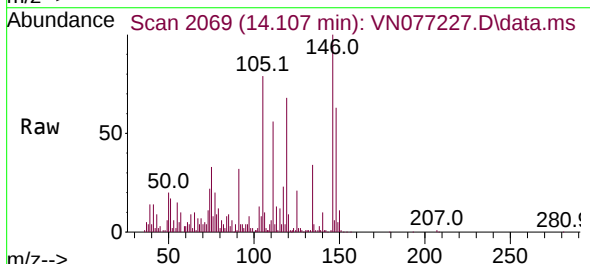
Delta R.T. -0.000 min

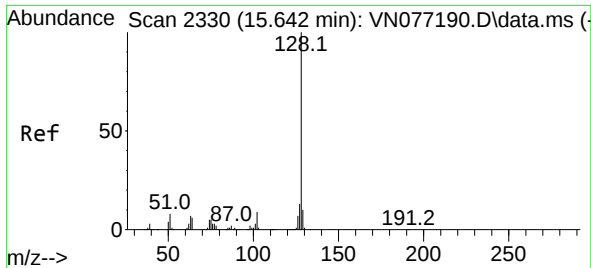
Lab File: VN077227.D

Acq: 28 Mar 2023 01:55

Tgt Ion:146 Resp: 98235

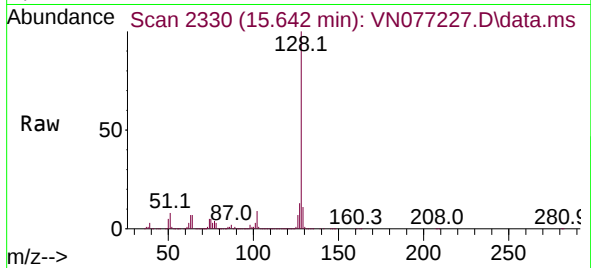
Ion	Ratio	Lower	Upper
146	100		
111	68.4	21.4	64.2
148	66.2	32.0	96.0





#95
Naphthalene
Concen: 245.195 ug/l
RT: 15.642 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077227.D
Acq: 28 Mar 2023 01:55

Instrument :
MSVOA_N
ClientSampleId :
WASTE-DRUM-WATER



Tgt Ion:128 Resp: 7979784
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.9 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023

