

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
 Data File : VX038197.D
 Acq On : 10 Oct 2023 13:36
 Operator : JC/MD
 Sample : 04782-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-3-10-13

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/11/2023
 Supervised By : Mahesh Dadoda 10/11/2023

Quant Time: Oct 11 01:37:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	115381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	203141	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127572	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85832	46.250	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.500%
35) Dibromofluoromethane	5.391	113	66294	45.290	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.580%
50) Toluene-d8	8.647	98	253153	45.259	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.520%#
62) 4-Bromofluorobenzene	11.079	95	122354	57.700	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.400%

Target Compounds						Qvalue
16) Acetone	2.380	43	2201	2.842	ug/l	97
17) Carbon Disulfide	2.508	76	1256	0.413	ug/l	99
39) Methylcyclohexane	7.379	83	3083	1.304	ug/l	95
52) Toluene	8.720	92	2415	0.657	ug/l	92
67) Ethyl Benzene	10.201	91	11482570	1539.875	ug/l #	67
68) m/p-Xylenes	10.317	106	17228324	5975.218	ug/l #	1
69) o-Xylene	10.646	106	2029428	721.170	ug/l	93
73) Isopropylbenzene	10.963	105	2646660	309.357	ug/l	98
78) n-propylbenzene	11.305	91	629768	60.201	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	149119	20.203	ug/l	98
83) tert-Butylbenzene	11.713	119	3866	0.536	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	562426	76.424	ug/l	97
85) sec-Butylbenzene	11.890	105	13856m	1.483	ug/l	
86) p-Isopropyltoluene	12.012	119	3095m	0.402	ug/l	
89) n-Butylbenzene	12.335	91	6533	0.851	ug/l #	48
91) 1,2-Dichlorobenzene	12.335	146	2704	0.671	ug/l	95
95) Naphthalene	13.774	128	56187	5.965	ug/l	99

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

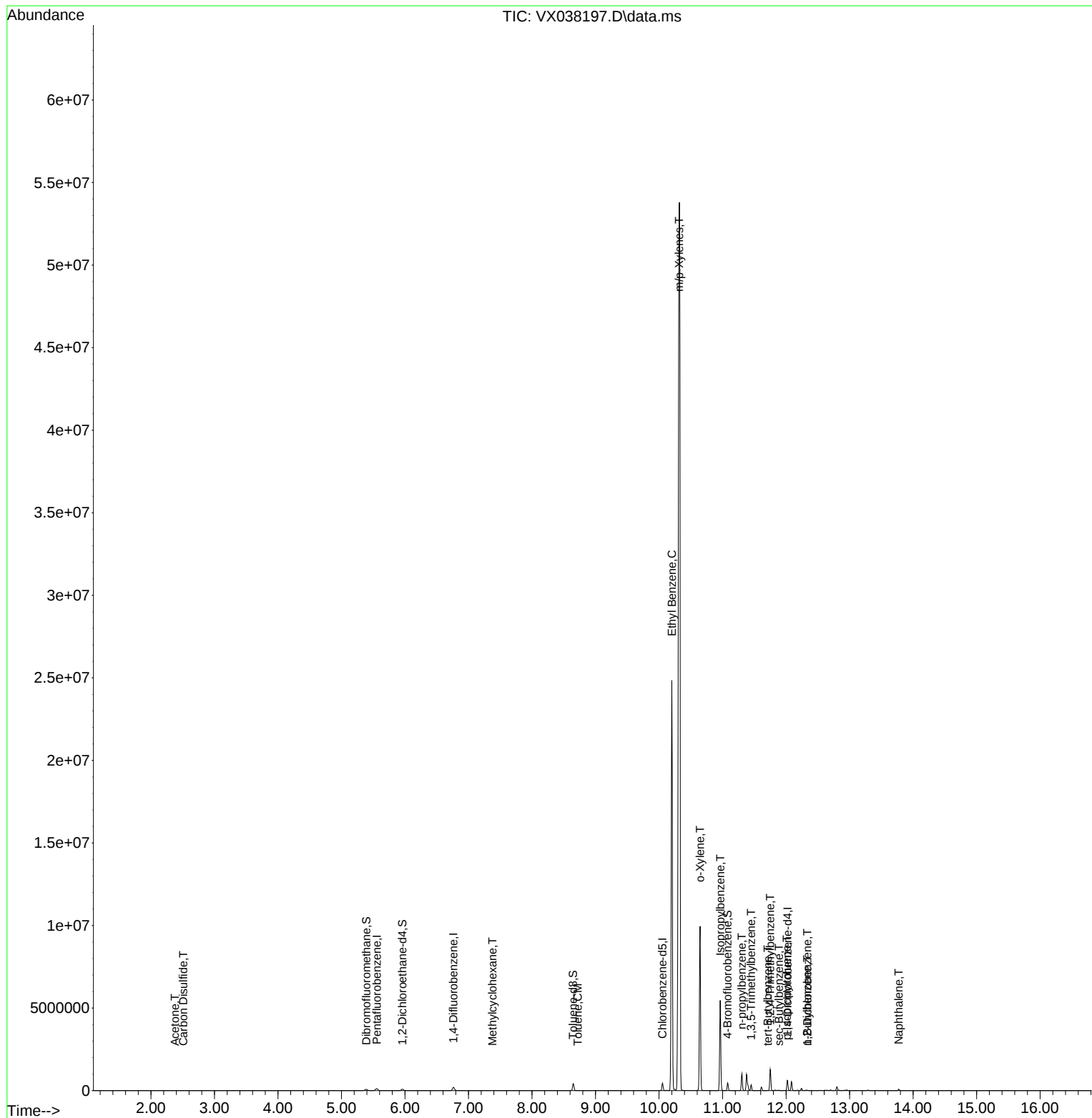
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
Data File : VX038197.D
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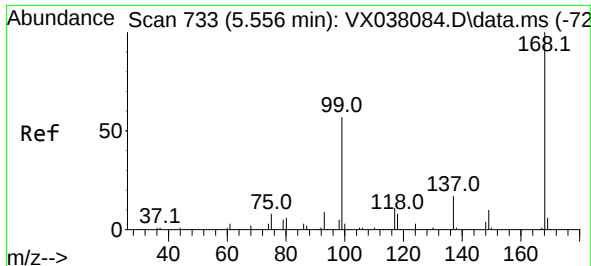
Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13

Quant Time: Oct 11 01:37:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

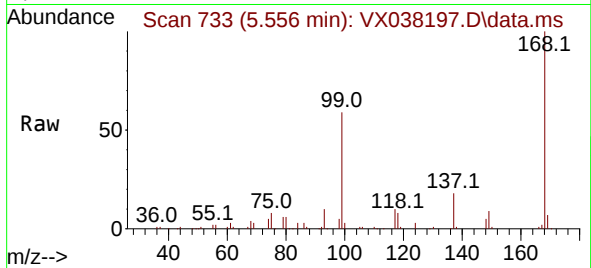
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/11/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

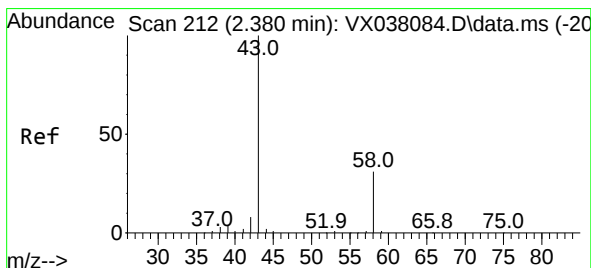
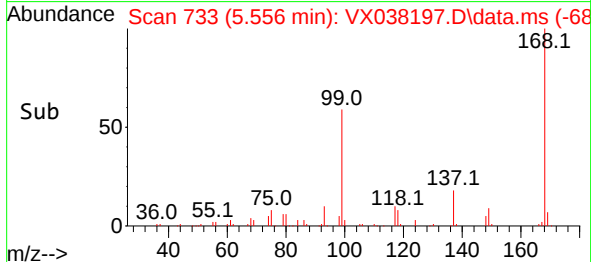
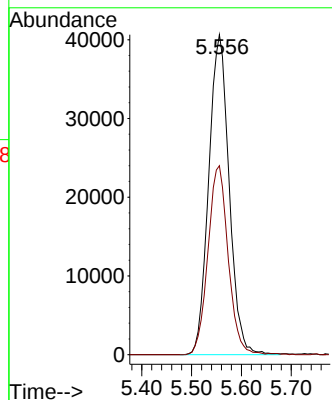
Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13



Tgt Ion:168 Resp: 11538
Ion Ratio Lower Upper
168 100
99 59.1 56.6 85.0

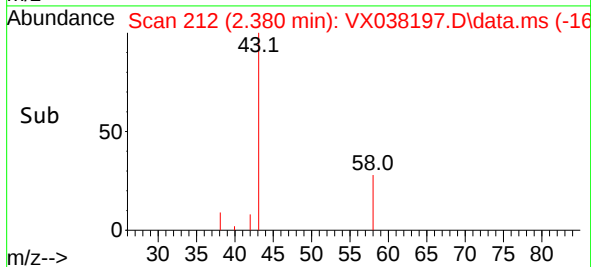
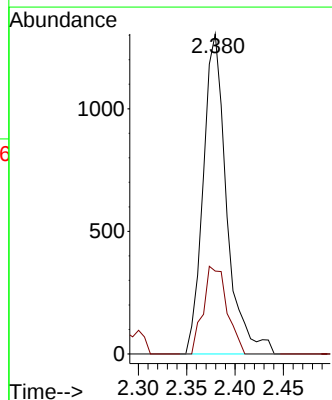
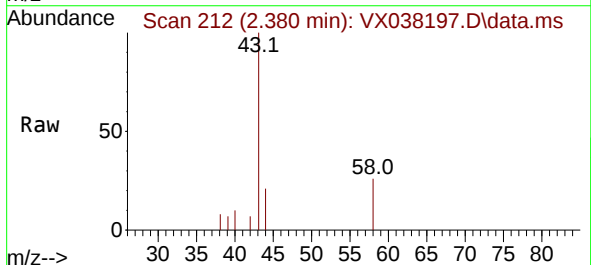
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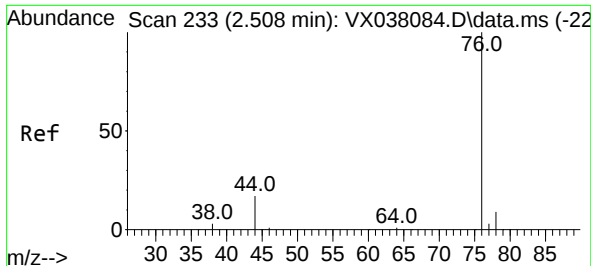
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/11/2023



#16
Acetone
Concen: 2.842 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

Tgt Ion: 43 Resp: 2201
Ion Ratio Lower Upper
43 100
58 25.9 21.9 32.9





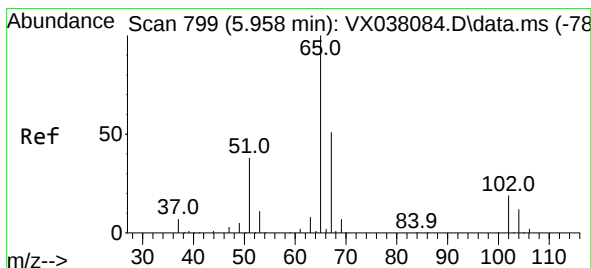
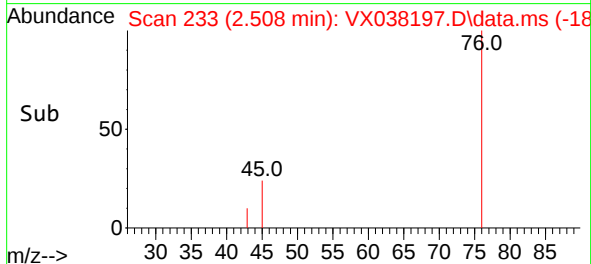
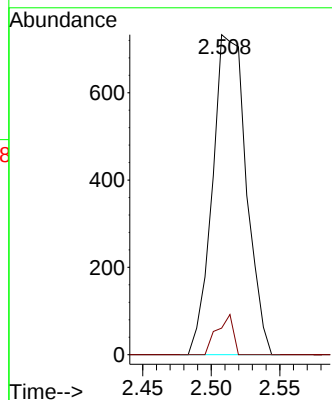
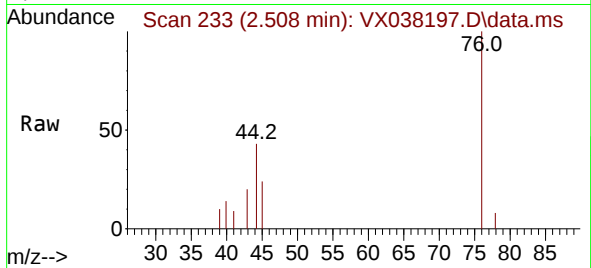
#17
Carbon Disulfide
Concen: 0.413 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13

Tgt Ion: 76 Resp: 1250
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.6

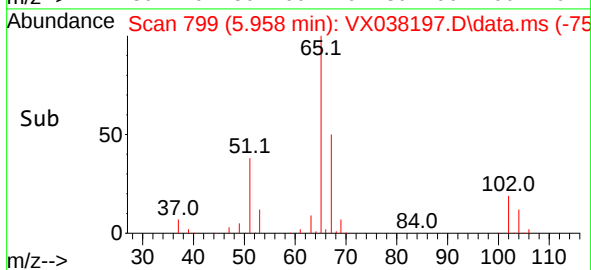
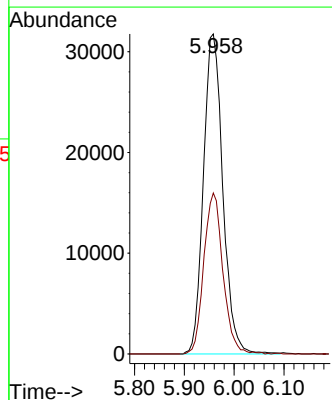
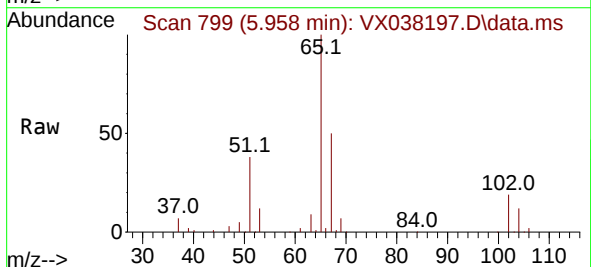
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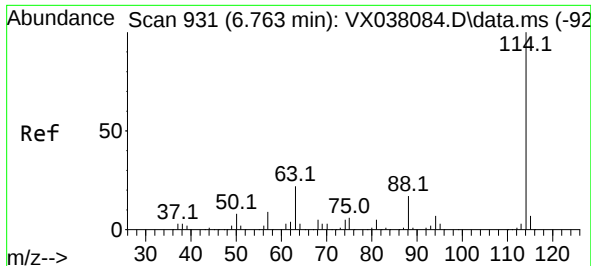
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/11/2023



#33
1,2-Dichloroethane-d4
Concen: 46.250 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

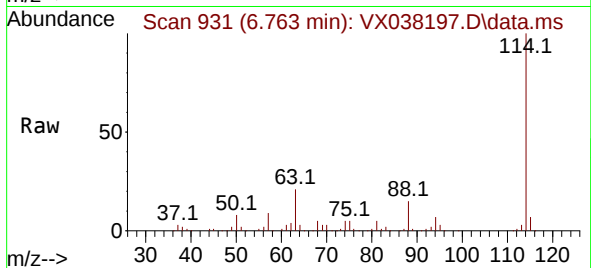
Tgt Ion: 65 Resp: 85832
Ion Ratio Lower Upper
65 100
67 49.7 0.0 100.2





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

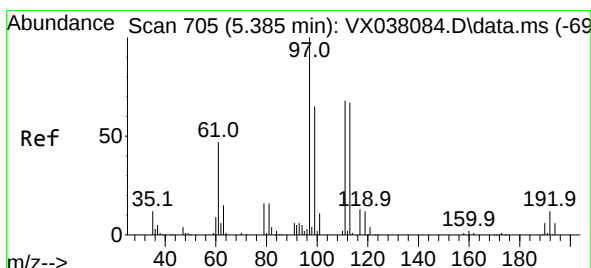
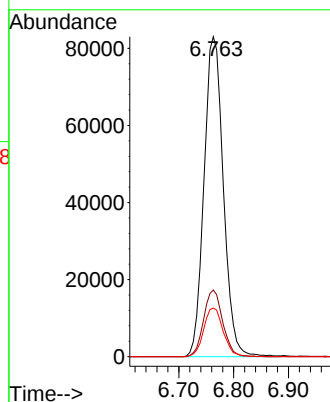
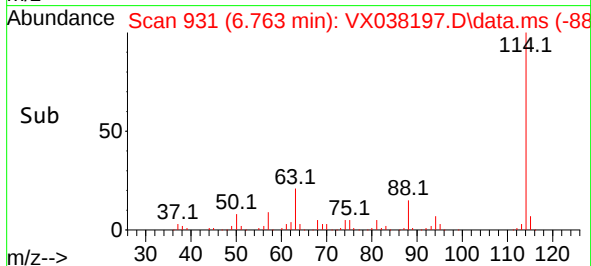
Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13



Tgt Ion:114 Resp: 20314
Ion Ratio Lower Upper
114 100
63 20.9 0.0 45.0
88 15.2 0.0 36.6

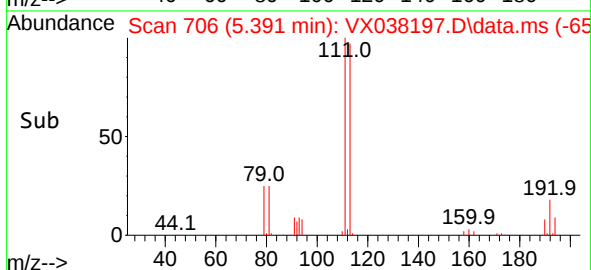
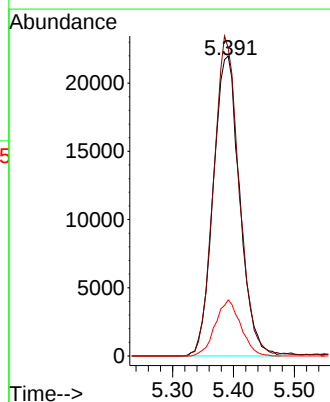
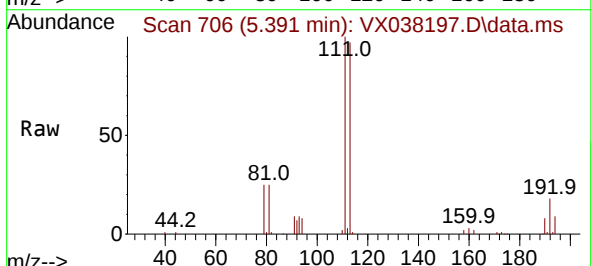
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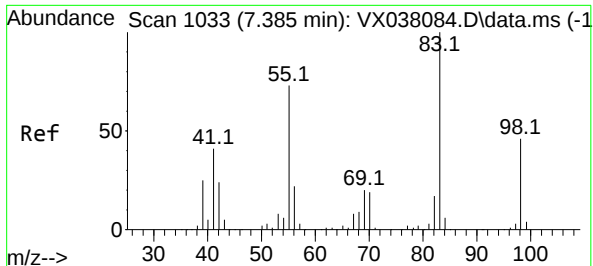
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/11/2023



#35
Dibromofluoromethane
Concen: 45.290 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

Tgt Ion:113 Resp: 66294
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 17.9 13.3 19.9





#39

Methylcyclohexane

Concen: 1.304 ug/l

RT: 7.379 min Scan# 1033

Delta R.T. -0.006 min

Lab File: VX038197.D

Acq: 10 Oct 2023 13:36

Instrument :

MSVOA_X

ClientSampleId :

GW-3-10-13

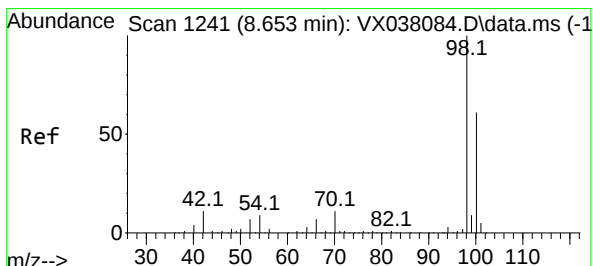
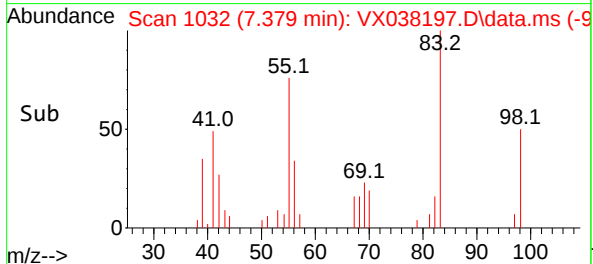
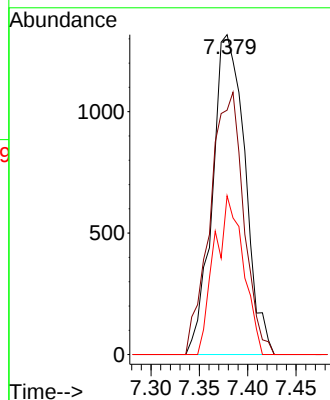
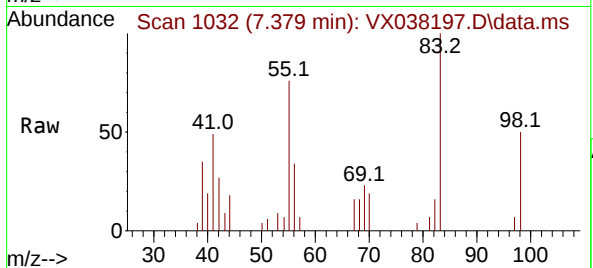
Tgt Ion: 83	Resp: 308
Ion Ratio	Lower Upper
83	100
55	76.4 64.6 97.0
98	49.7 36.7 55.1

Manual Integrations

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Reviewed By :John Carlone 10/11/2023

Supervised By :Mahesh Dadoda 10/11/2023



#50

Toluene-d8

Concen: 45.259 ug/l

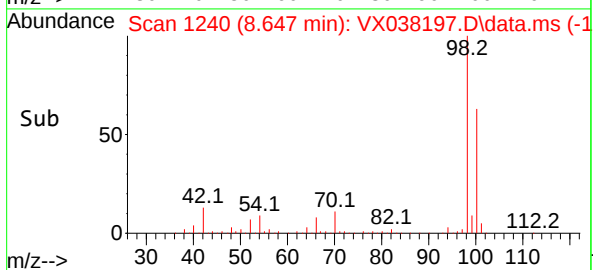
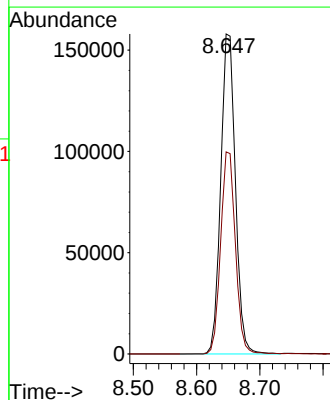
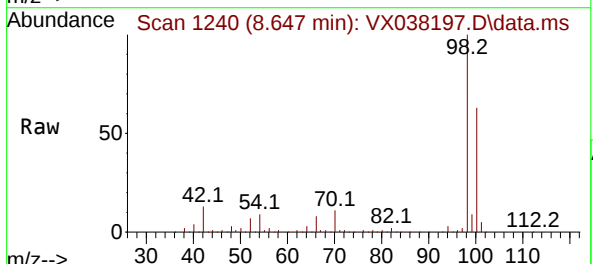
RT: 8.647 min Scan# 1240

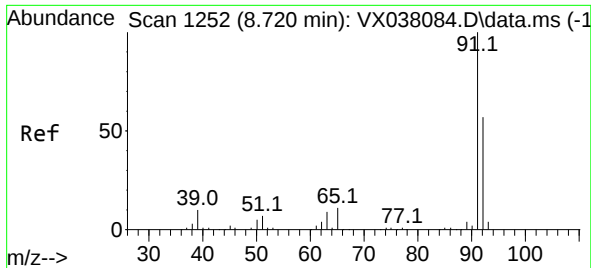
Delta R.T. -0.006 min

Lab File: VX038197.D

Acq: 10 Oct 2023 13:36

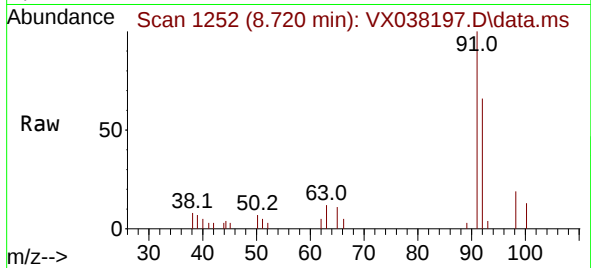
Tgt Ion: 98	Resp: 253153
Ion Ratio	Lower Upper
98	100
100	63.7 53.1 79.7





#52
Toluene
Concen: 0.657 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

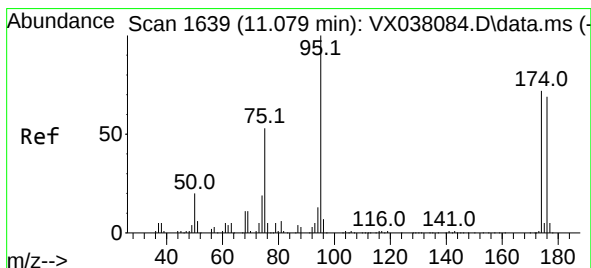
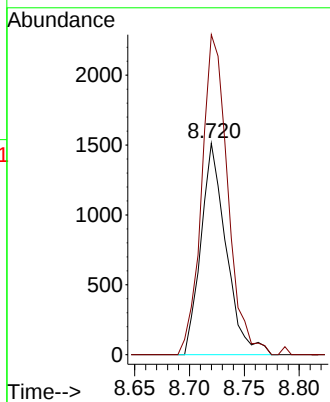
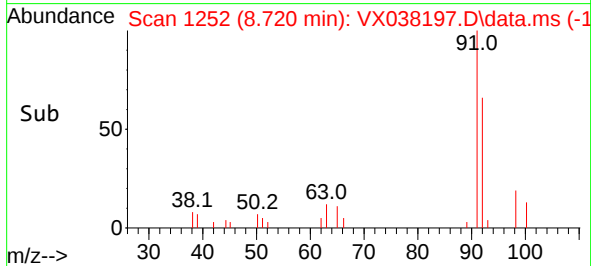
Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13



Tgt Ion: 92 Resp: 241
Ion Ratio Lower Upper
92 100
91 156.9 134.2 201.2

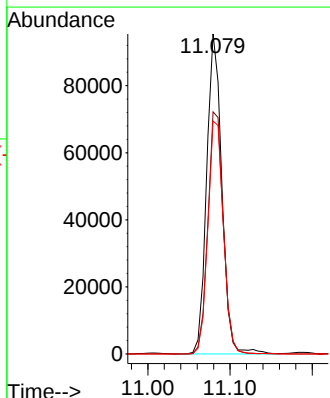
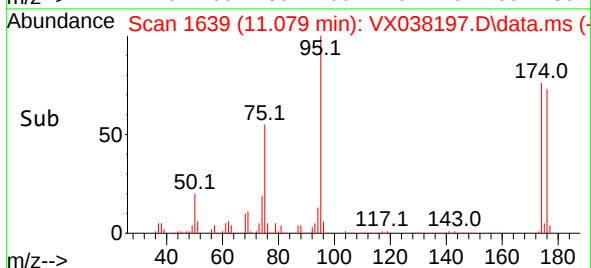
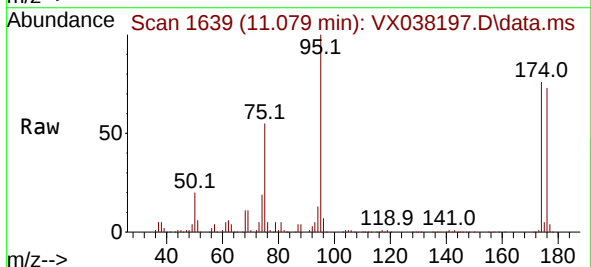
Manual Integrations
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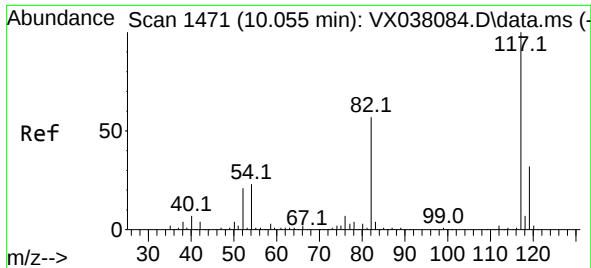
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/11/2023



#62
4-Bromofluorobenzene
Concen: 57.700 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

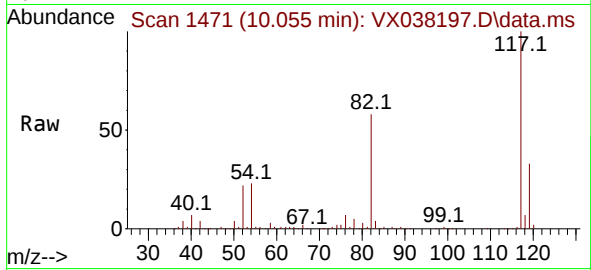
Tgt Ion: 95 Resp: 122354
Ion Ratio Lower Upper
95 100
174 76.8 0.0 135.6
176 74.3 0.0 131.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

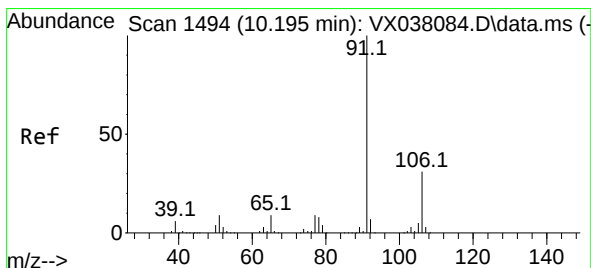
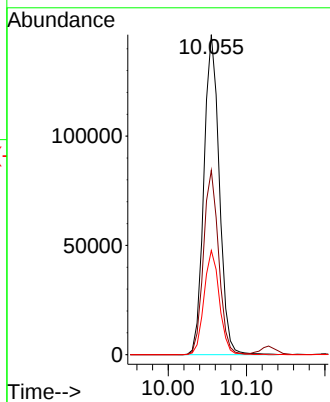
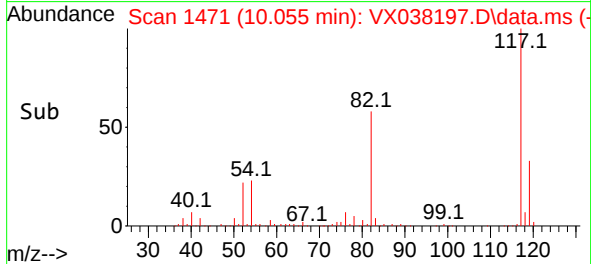
Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13



Tgt Ion:117 Resp: 199638
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.4
119 32.5 25.5 38.3

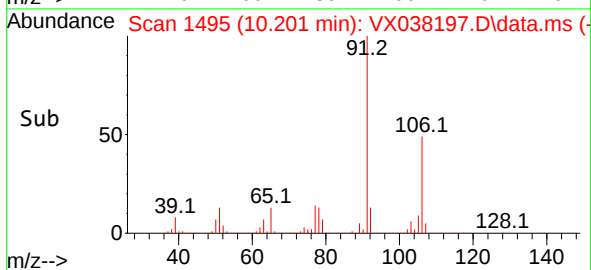
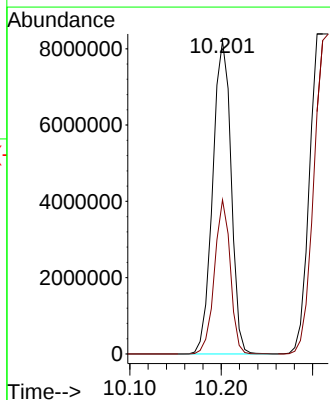
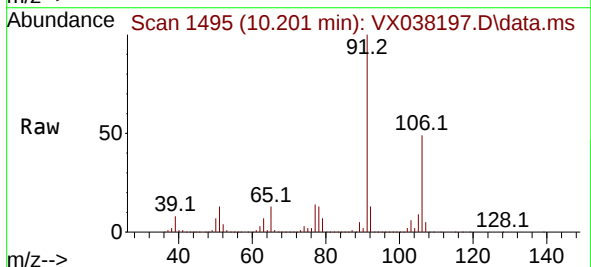
Manual Integrations
APPROVED

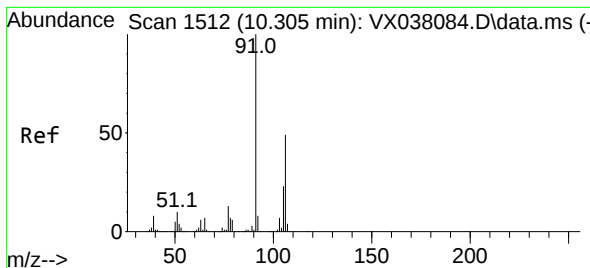
Reviewed By :John Carbone 10/11/2023
Supervised By :Mahesh Dadoda 10/11/2023



#67
Ethyl Benzene
Concen: 1539.875 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

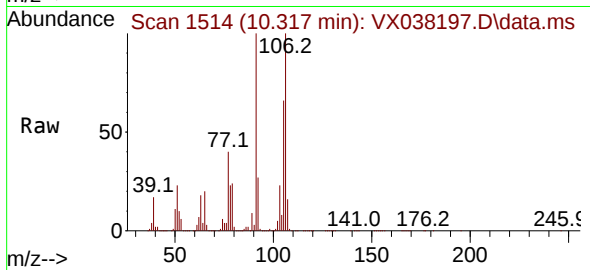
Tgt Ion: 91 Resp:11482570
Ion Ratio Lower Upper
91 100
106 49.2 24.9 37.3#





#68
m/p-Xylenes
Concen: 5975.218 ug/l
RT: 10.317 min Scan# 1514
Delta R.T. 0.012 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

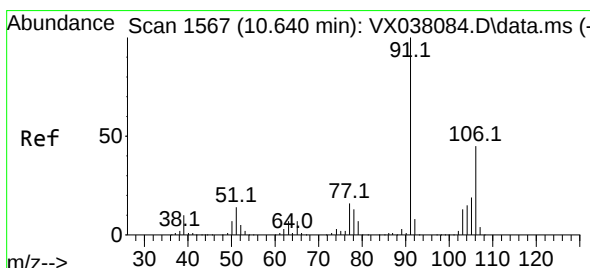
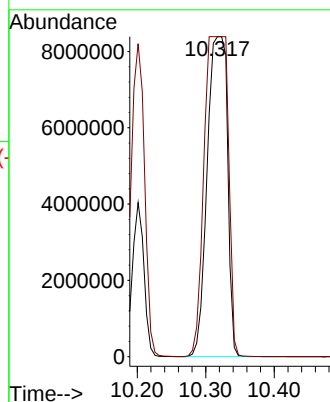
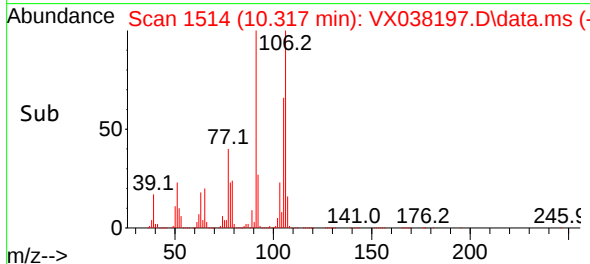
Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13



Tgt Ion:106 Resp:17228324
Ion Ratio Lower Upper
106 100
91 0.0 165.5 248.3

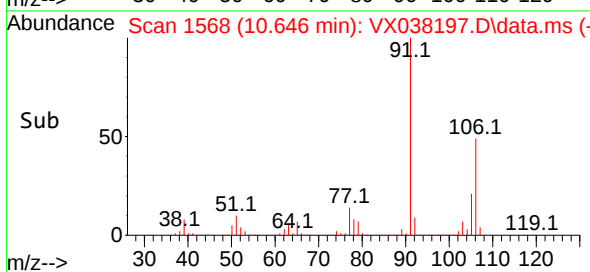
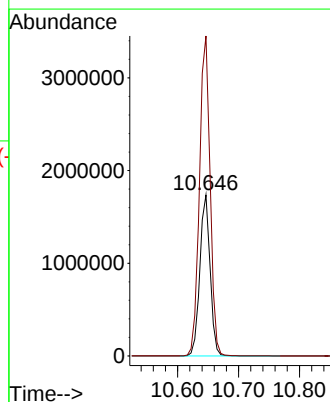
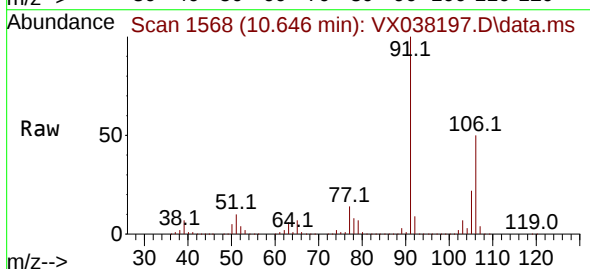
Manual Integrations
APPROVED

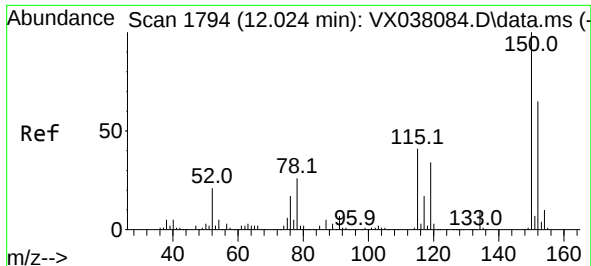
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/11/2023



#69
o-Xylene
Concen: 721.170 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

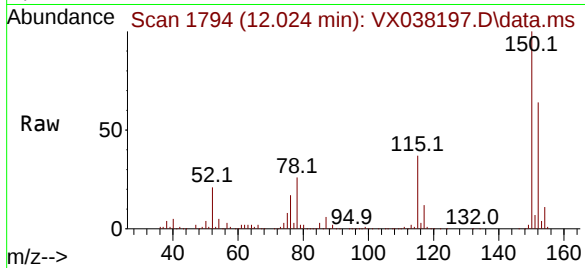
Tgt Ion:106 Resp: 2029428
Ion Ratio Lower Upper
106 100
91 206.7 108.9 326.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

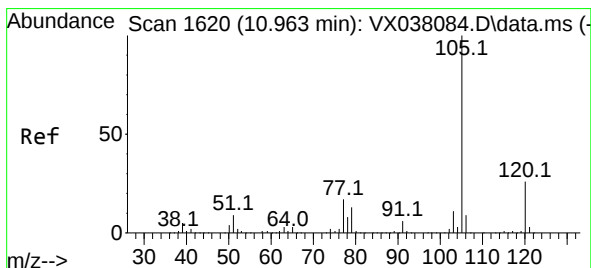
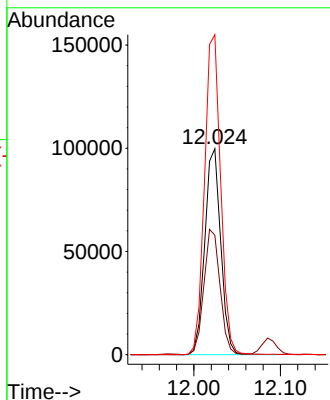
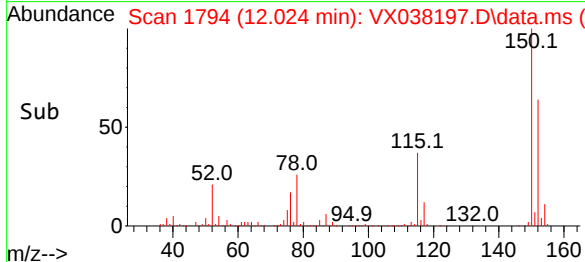
Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13



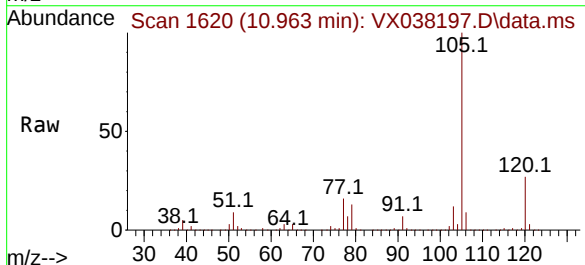
Tgt Ion:152 Resp: 127572
Ion Ratio Lower Upper
152 100
115 61.6 43.3 129.9
150 157.0 0.0 345.0

Manual Integrations
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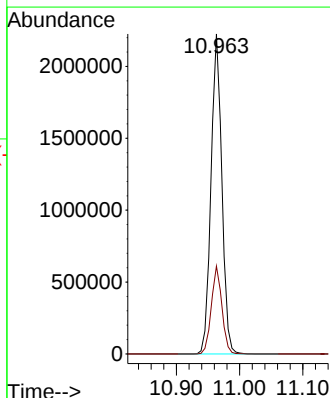
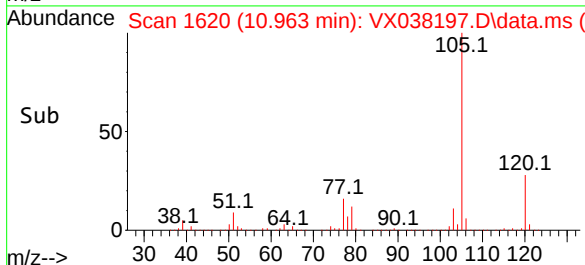
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/11/2023

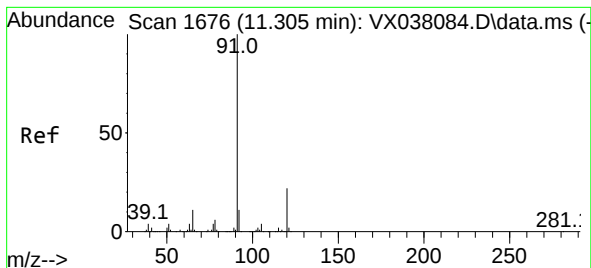


#73
Isopropylbenzene
Concen: 309.357 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36



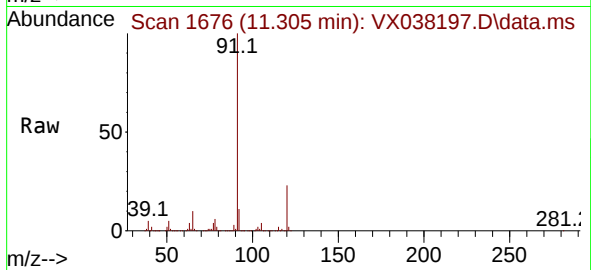
Tgt Ion:105 Resp: 2646660
Ion Ratio Lower Upper
105 100
120 26.8 12.9 38.6





#78
n-propylbenzene
Concen: 60.201 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

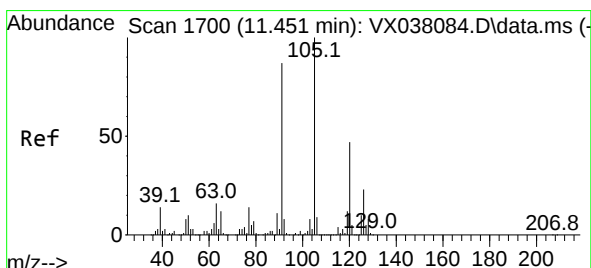
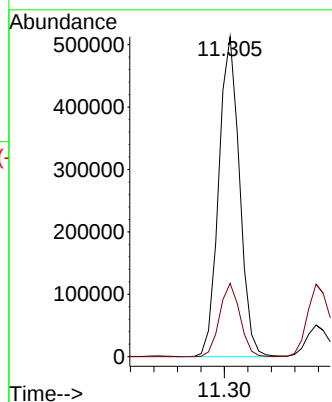
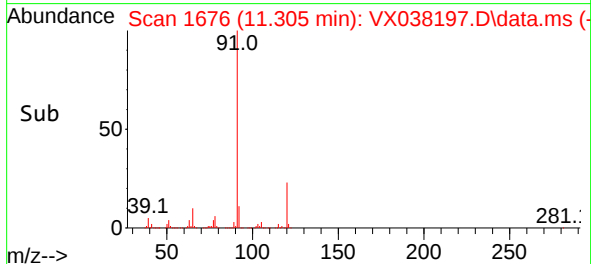
Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13



Tgt Ion: 91 Resp: 629768
Ion Ratio Lower Upper
91 100
120 22.6 11.5 34.4

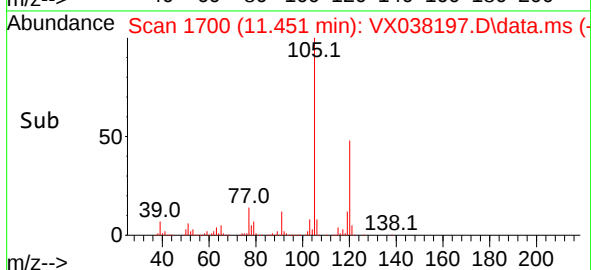
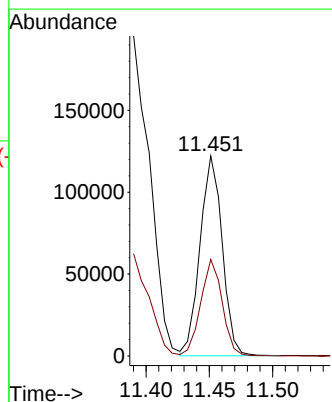
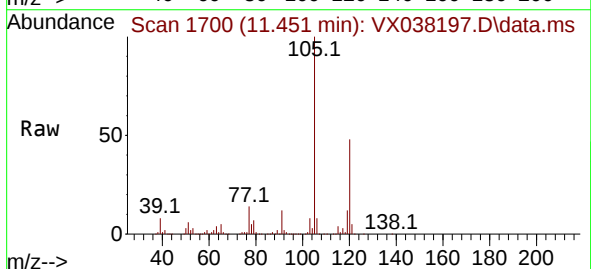
Manual Integrations
APPROVED

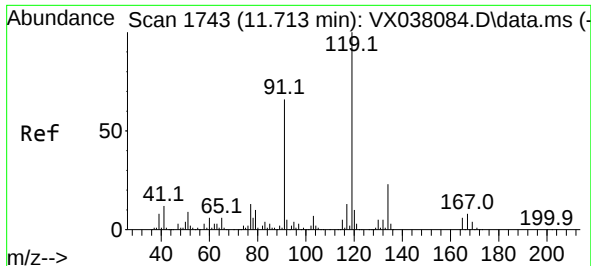
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/11/2023



#80
1,3,5-Trimethylbenzene
Concen: 20.203 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

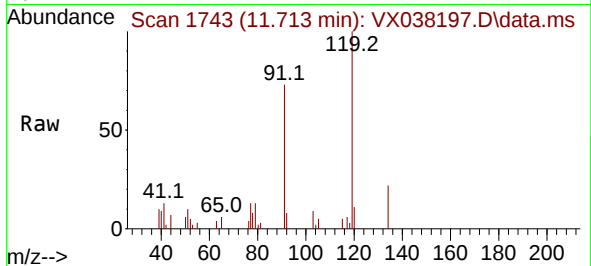
Tgt Ion:105 Resp: 149119
Ion Ratio Lower Upper
105 100
120 47.0 24.1 72.3





#83
tert-Butylbenzene
Concen: 0.536 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

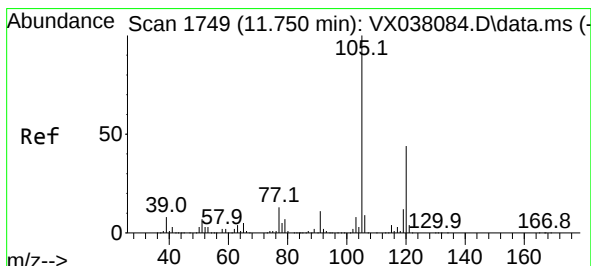
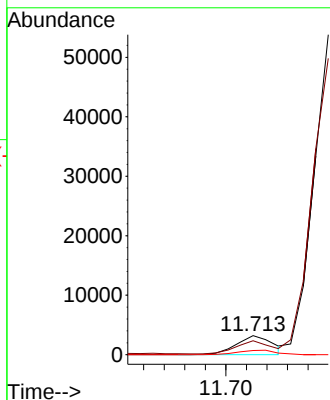
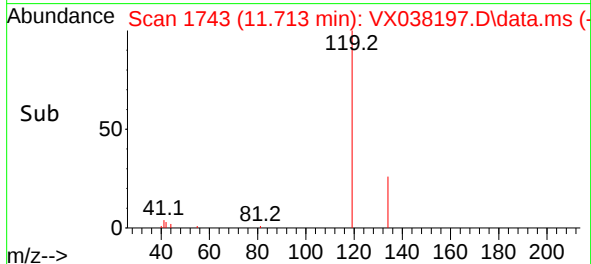
Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13



Tgt Ion:119 Resp: 3860
Ion Ratio Lower Upper
119 100
91 66.1 31.2 93.6
134 24.2 11.7 35.0

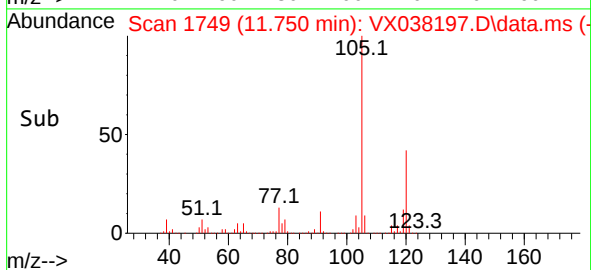
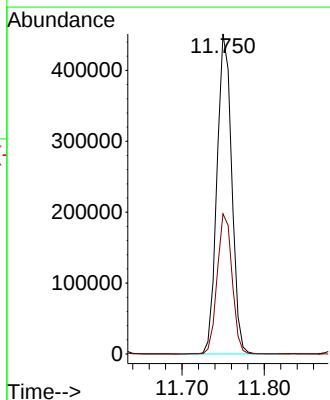
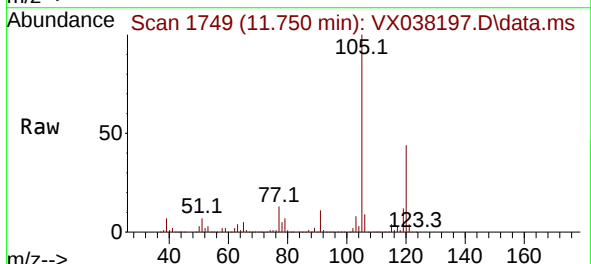
Manual Integrations
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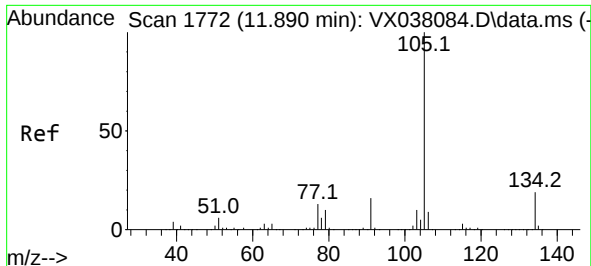
Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/11/2023



#84
1,2,4-Trimethylbenzene
Concen: 76.424 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

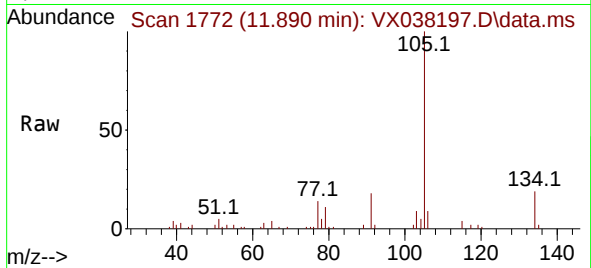
Tgt Ion:105 Resp: 562426
Ion Ratio Lower Upper
105 100
120 44.2 21.2 63.6





#85
 sec-Butylbenzene
 Concen: 1.483 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX038197.D
 Acq: 10 Oct 2023 13:36

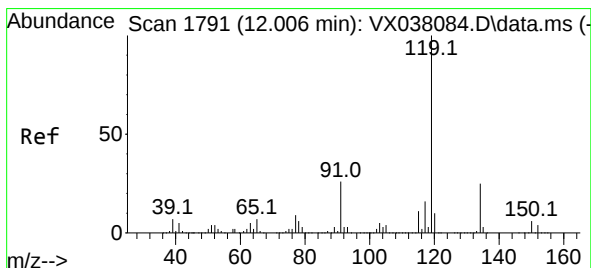
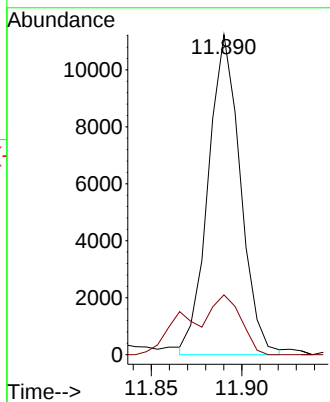
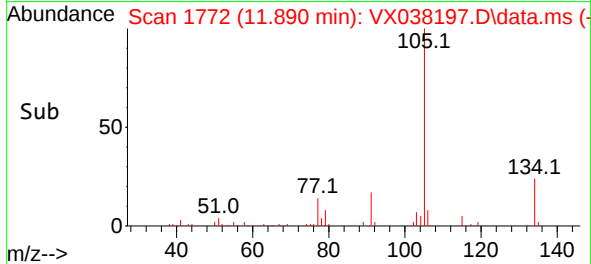
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-3-10-13



Tgt Ion:105 Resp: 1385
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4

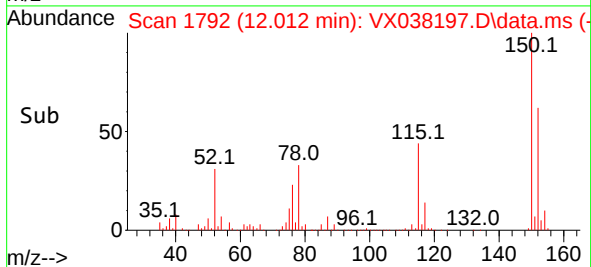
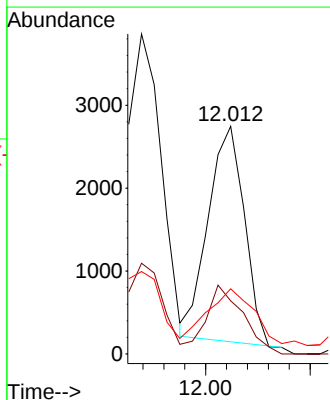
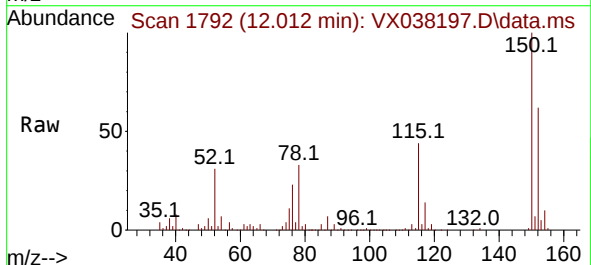
Manual Integrations
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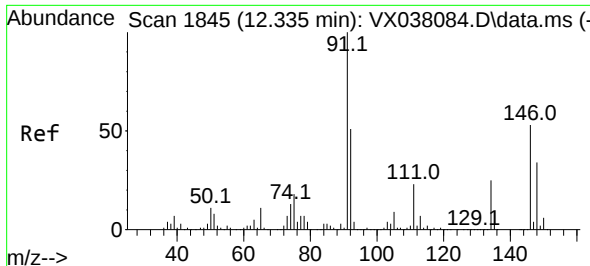
Reviewed By :John Carlone 10/11/2023
 Supervised By :Mahesh Dadoda 10/11/2023



#86
 p-Isopropyltoluene
 Concen: 0.402 ug/l m
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX038197.D
 Acq: 10 Oct 2023 13:36

Tgt Ion:119 Resp: 3095
 Ion Ratio Lower Upper
 119 100
 134 59.2 12.8 38.3#
 91 63.4 13.1 39.3#





#89

n-Butylbenzene

Concen: 0.851 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX038197.D

Acq: 10 Oct 2023 13:36

Instrument :

MSVOA_X

ClientSampleId :

GW-3-10-13

Tgt Ion: 91 Resp: 653

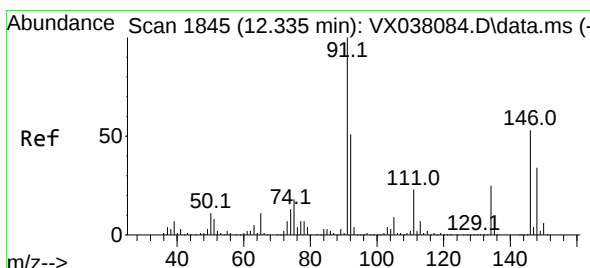
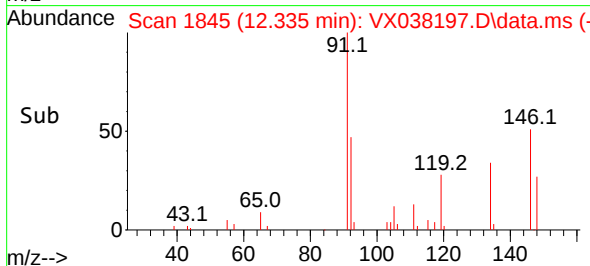
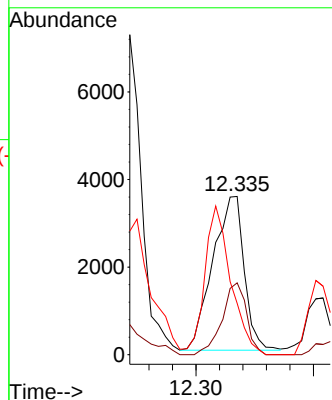
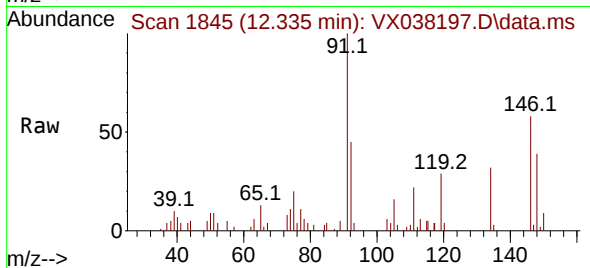
Ion	Ratio	Lower	Upper
91	100		
92	36.2	27.4	82.0
134	80.0	12.6	37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/11/2023

Supervised By :Mahesh Dadoda 10/11/2023



#91

1,2-Dichlorobenzene

Concen: 0.671 ug/l

RT: 12.335 min Scan# 1845

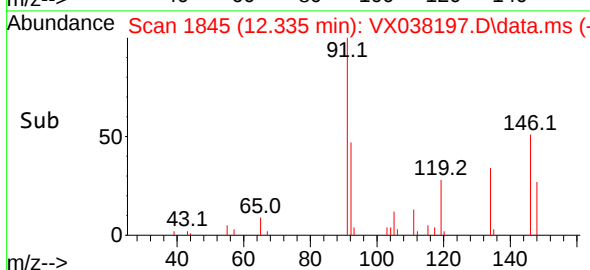
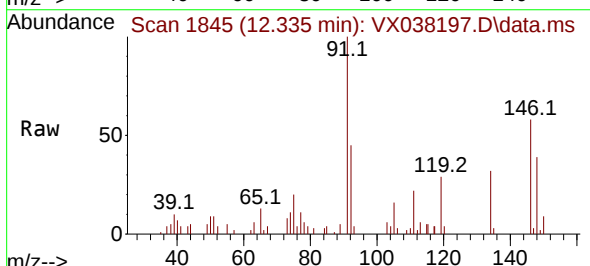
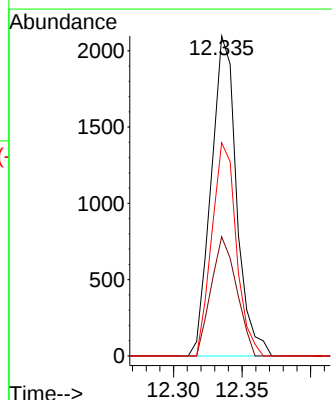
Delta R.T. 0.000 min

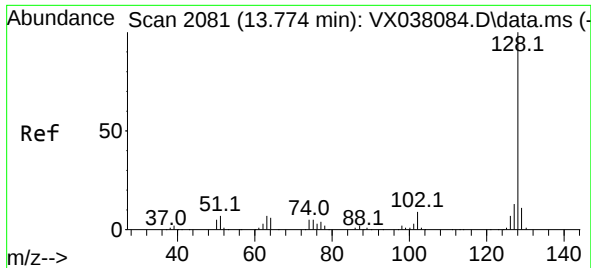
Lab File: VX038197.D

Acq: 10 Oct 2023 13:36

Tgt Ion:146 Resp: 2704

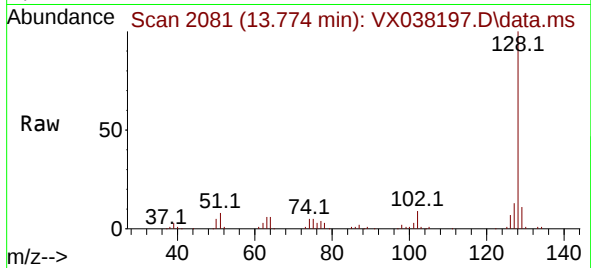
Ion	Ratio	Lower	Upper
146	100		
111	37.1	22.4	67.0
148	64.0	31.6	95.0





#95
Naphthalene
Concen: 5.965 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX038197.D
Acq: 10 Oct 2023 13:36

Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13



Tgt Ion:128 Resp: 5618
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 10.6 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/11/2023
Supervised By :Mahesh Dadoda 10/11/2023

