

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
 Data File : VX042301.D
 Acq On : 12 Jul 2024 14:39
 Operator : JC/MD
 Sample : P3220-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240710076-02-VOA

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/15/2024
 Supervised By : Mahesh Dadoda 07/15/2024

Quant Time: Jul 15 03:27:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.898	128	23525	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	133025	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	123806	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	47953	29.611	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.700%		
60) 4-Bromofluorobenzene	11.079	95	56255	29.354	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.833%		
63) Toluene-d8	8.647	98	154100	29.093	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.967%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.136	74	4673	5.150	ug/l	95
15) Acetone	2.386	58	112281	451.149	ug/l	99
16) Carbon Disulfide	2.502	76	9930	3.152	ug/l #	94
23) tert-Butyl Alcohol	3.002	59	3810809	11781.642	ug/l #	100
34) Benzene	6.038	78	32774	5.667	ug/l #	96
45) 1,4-Dioxane	7.678	88	4811	121.147	ug/l #	86
58) 4-Methyl-2-Pentanone	8.574	43	11928m	5.377	ug/l	
59) 2-Hexanone	9.446	43	2625	1.533	ug/l #	63
62) Toluene	8.720	91	77249	12.330	ug/l	98
66) Ethyl Benzene	10.195	91	94047	13.731	ug/l	97
67) m/p-Xylenes	10.299	106	43452	15.772	ug/l	96
68) o-Xylene	10.640	106	23110	8.413	ug/l	99
70) Isopropylbenzene	10.964	105	10809	1.565	ug/l	98
74) n-propylbenzene	11.305	91	5124	0.675	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	7583	1.311	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	28540	4.937	ug/l	100
82) p-Isopropyltoluene	12.006	119	80207	12.777	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	10952	3.063	ug/l	99
91) Naphthalene	13.774	128	196255	26.414	ug/l	99

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

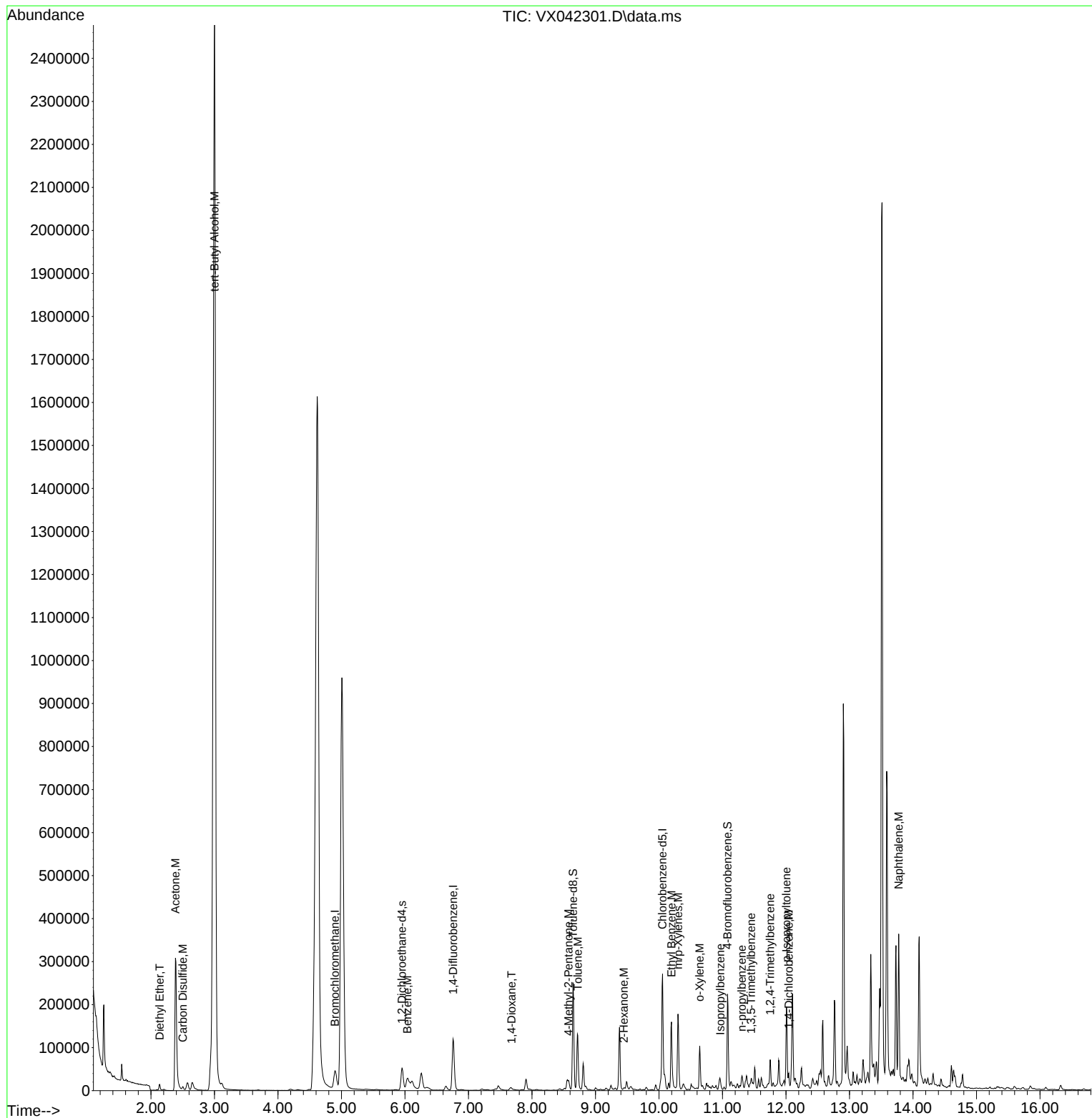
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Data File : VX042301.D
Acq On : 12 Jul 2024 14:39
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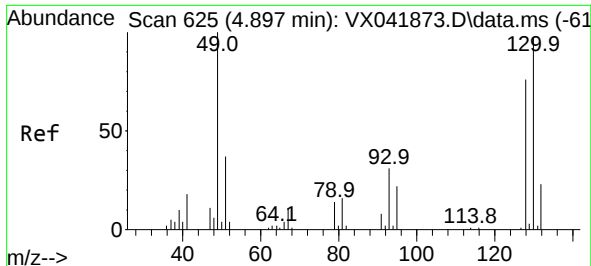
Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA

Quant Time: Jul 15 03:27:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration

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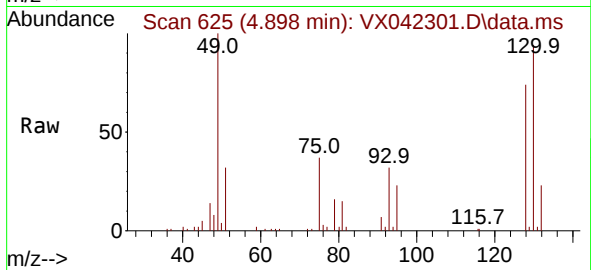
Reviewed By : John Carlone 07/15/2024
Supervised By : Mahesh Dadoda 07/15/2024





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

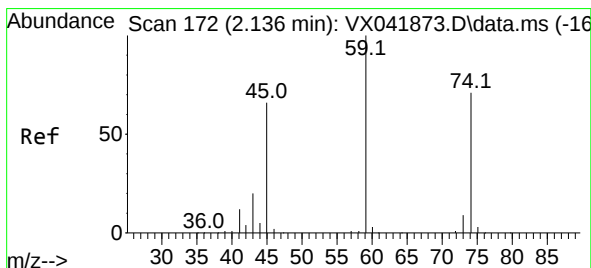
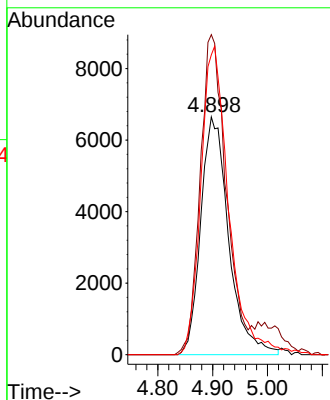
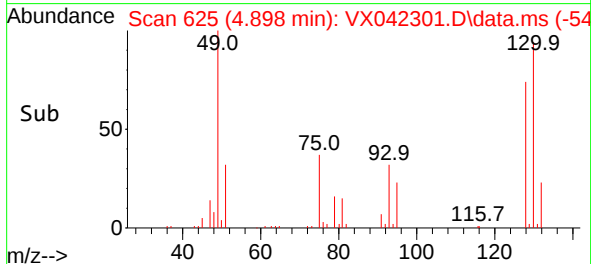
Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA



Tgt Ion:128 Resp: 2352
Ion Ratio Lower Upper
128 100
49 124.7 0.0 338.5
130 125.0 0.0 324.5

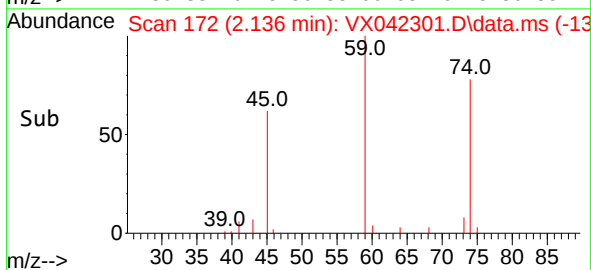
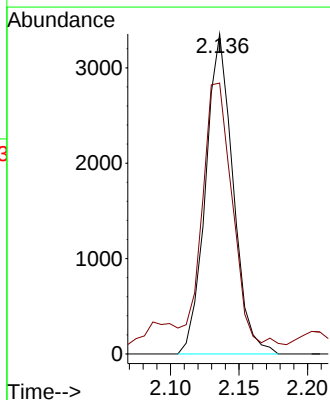
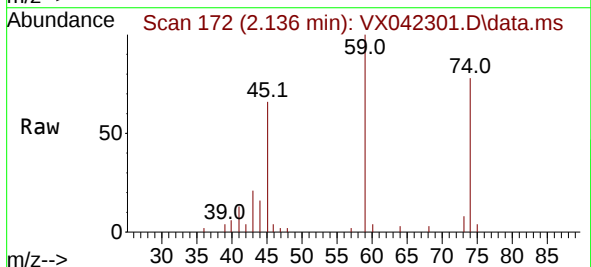
Manual Integrations
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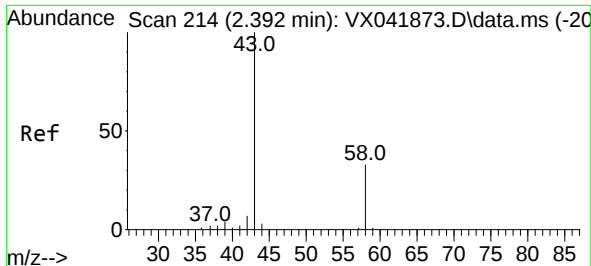
Reviewed By :John Carlone 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024



#8
Diethyl Ether
Concen: 5.150 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

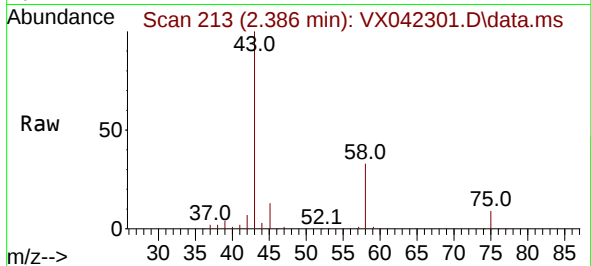
Tgt Ion: 74 Resp: 4673
Ion Ratio Lower Upper
74 100
45 88.5 18.7 168.7





#15
Acetone
Concen: 451.149 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

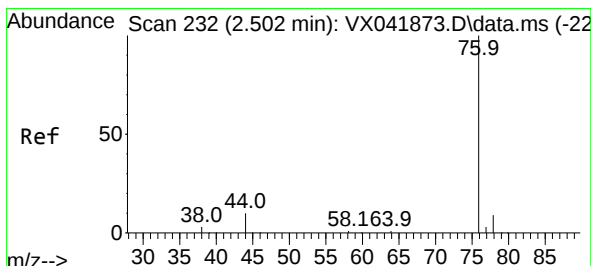
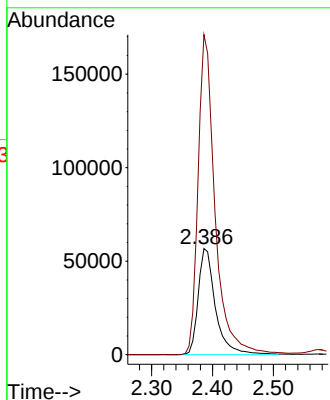
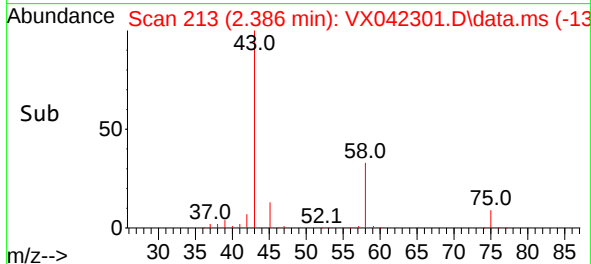
Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA



Tgt Ion: 58 Resp: 11228
Ion Ratio Lower Upper
58 100
43 301.8 243.4 365.2

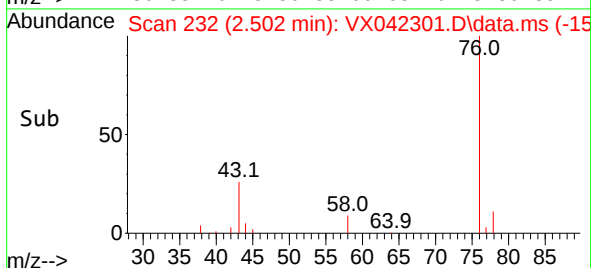
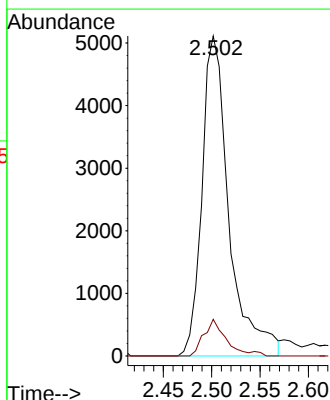
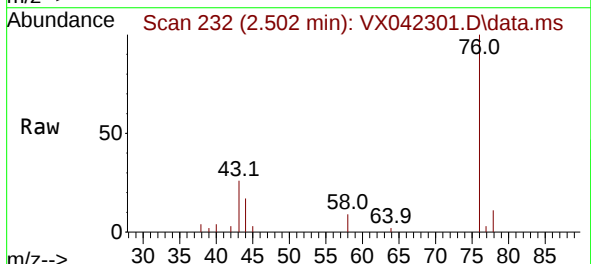
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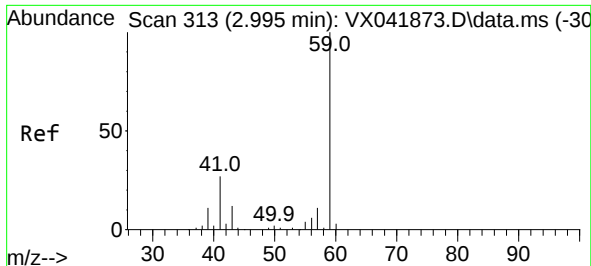
Reviewed By :John Carlone 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024



#16
Carbon Disulfide
Concen: 3.152 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

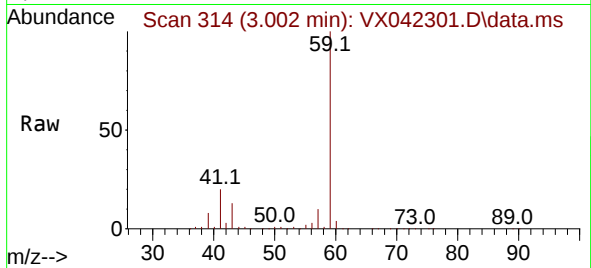
Tgt Ion: 76 Resp: 9930
Ion Ratio Lower Upper
76 100
78 11.4 7.3 10.9#





#23
tert-Butyl Alcohol
Concen: 11781.642 ug/l
RT: 3.002 min Scan# 313
Delta R.T. 0.006 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

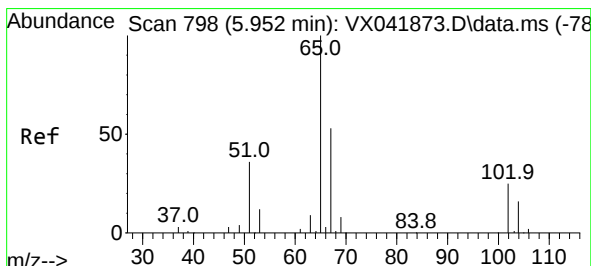
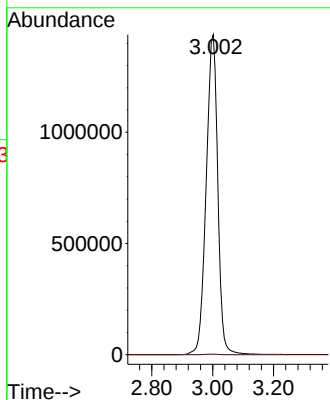
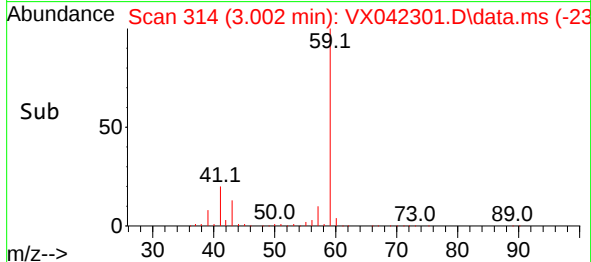
Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA



Tgt Ion: 59 Resp: 3810809
Ion Ratio Lower Upper
59 100
52 0.2 0.0 0.0

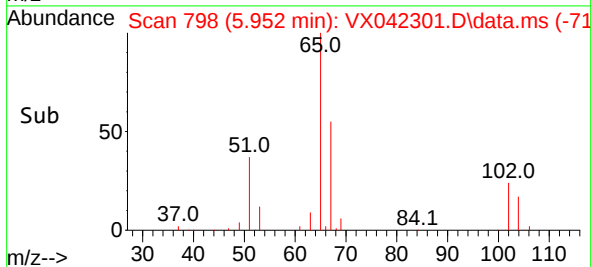
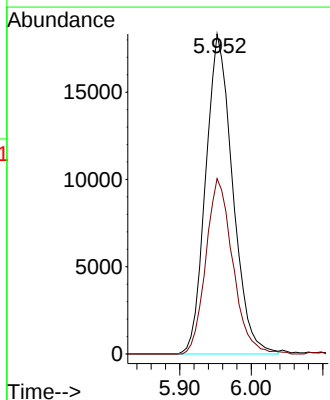
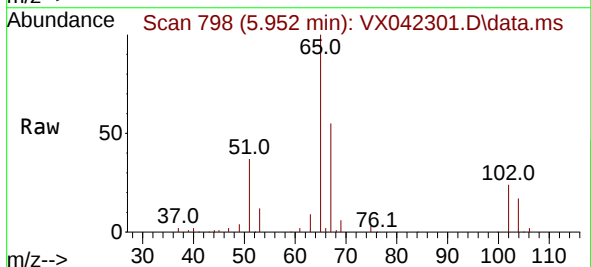
Manual Integrations
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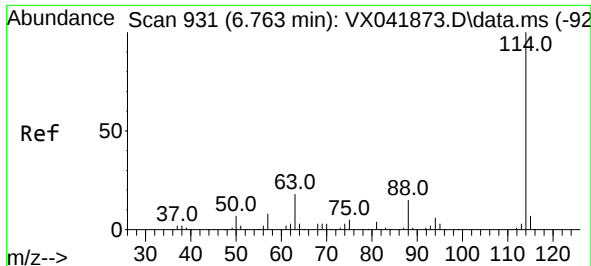
Reviewed By :John Carlone 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024



#27
1,2-Dichloroethane-d4
Concen: 29.611 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

Tgt Ion: 65 Resp: 47953
Ion Ratio Lower Upper
65 100
67 54.3 43.4 65.0





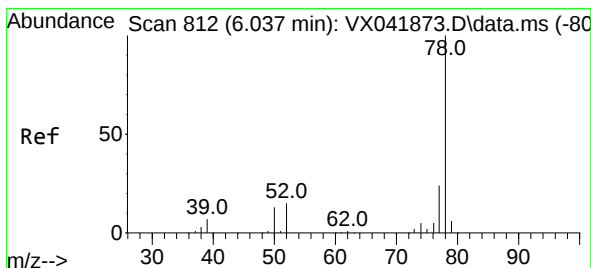
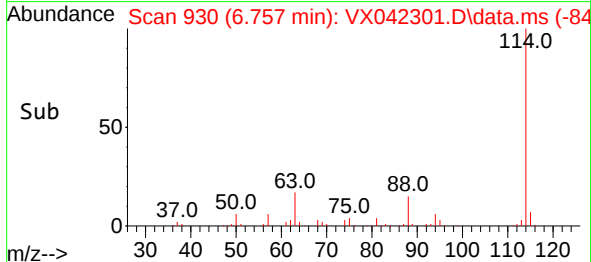
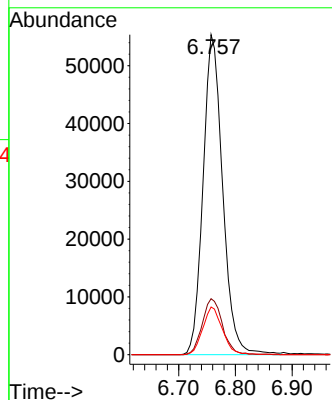
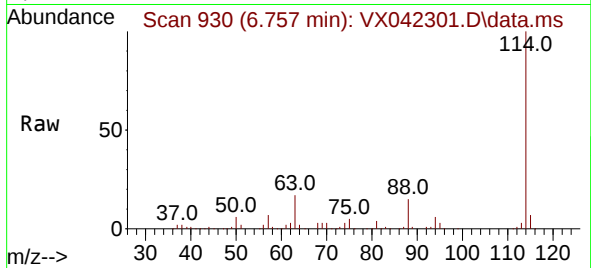
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA

Tgt Ion:114 Resp: 133025
Ion Ratio Lower Upper
114 100
63 18.0 14.6 21.8
88 14.9 11.8 17.8

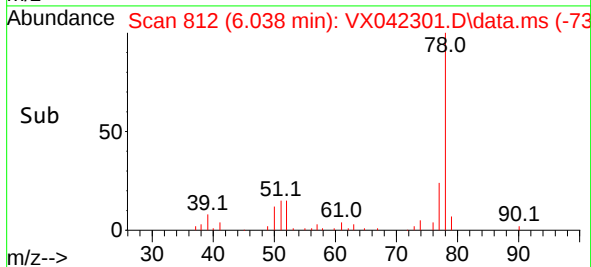
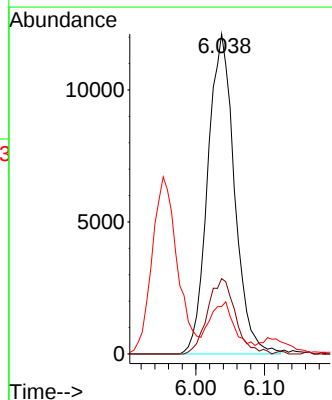
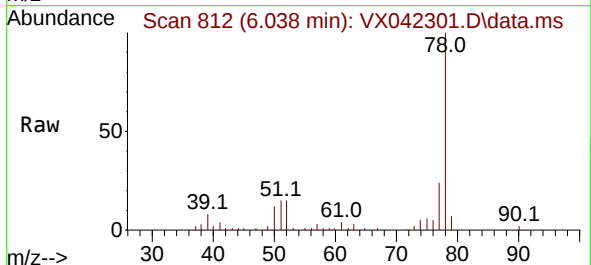
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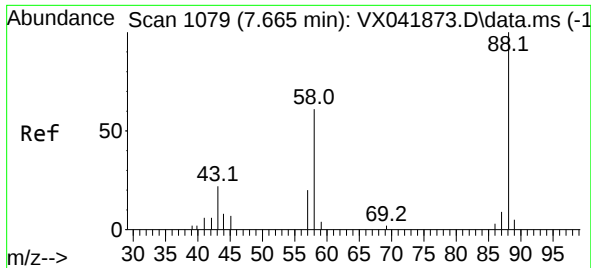
Reviewed By :John Carlone 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024



#34
Benzene
Concen: 5.667 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

Tgt Ion: 78 Resp: 32774
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3
51 11.0 11.8 17.8#





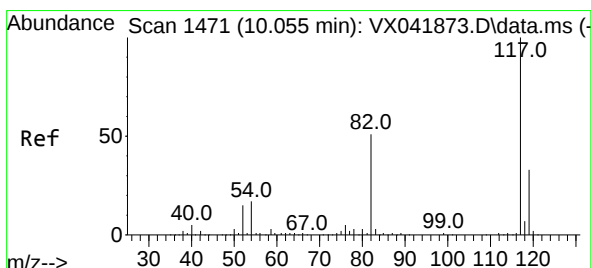
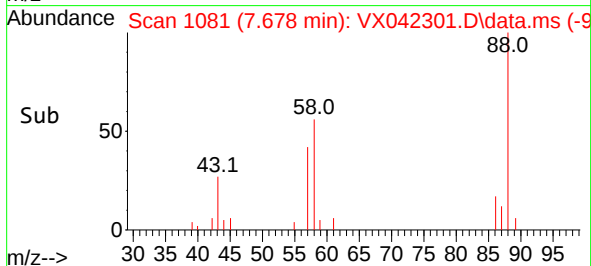
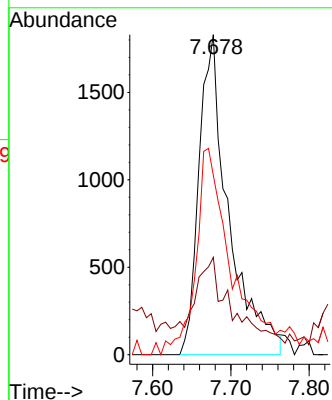
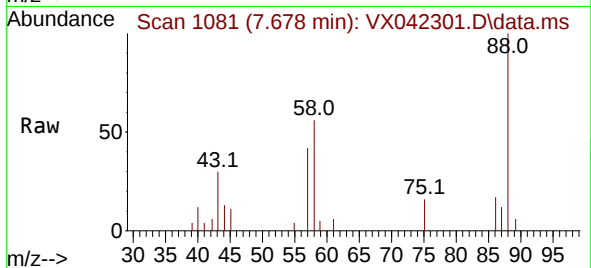
#45
1,4-Dioxane
Concen: 121.147 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA

Tgt Ion: 88 Resp: 481
Ion Ratio Lower Upper
88 100
43 13.1 23.2 34.8
58 71.8 52.6 78.8

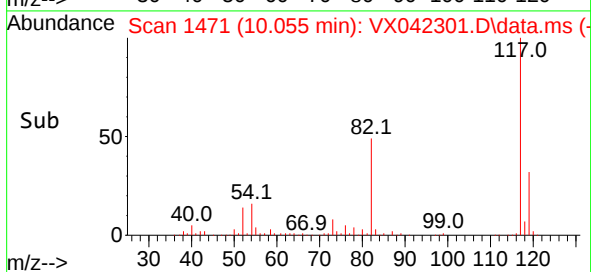
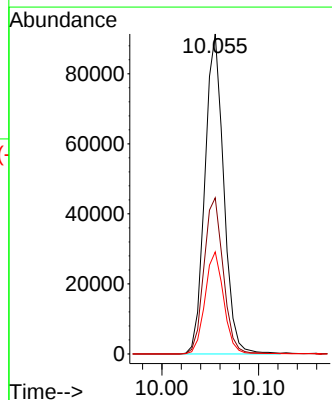
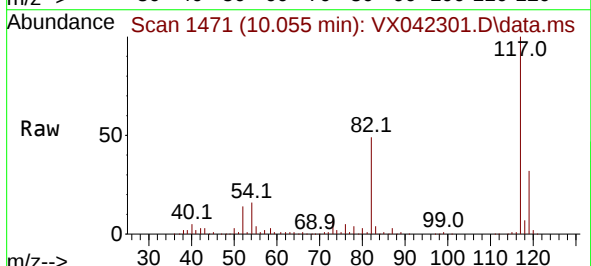
Manual Integrations
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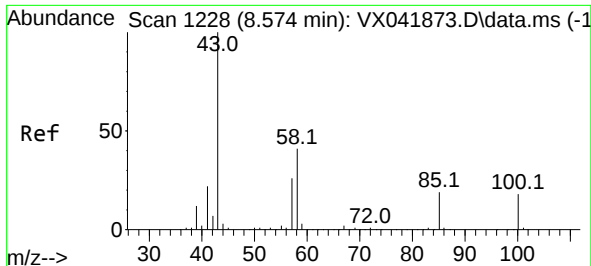
Reviewed By :John Carlone 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

Tgt Ion:117 Resp: 123806
Ion Ratio Lower Upper
117 100
82 50.0 41.1 61.7
119 31.9 26.1 39.1





#58

4-Methyl-2-Pentanone

Concen: 5.377 ug/l m

RT: 8.574 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VX042301.D

Acq: 12 Jul 2024 14:39

Instrument :

MSVOA_X

ClientSampleId :

240710076-02-VOA

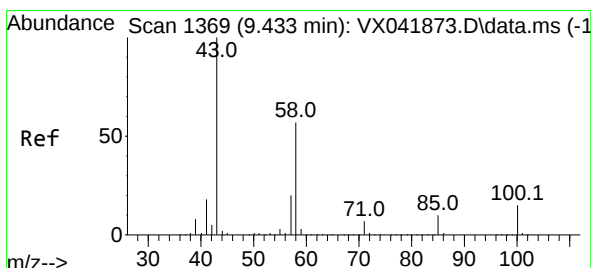
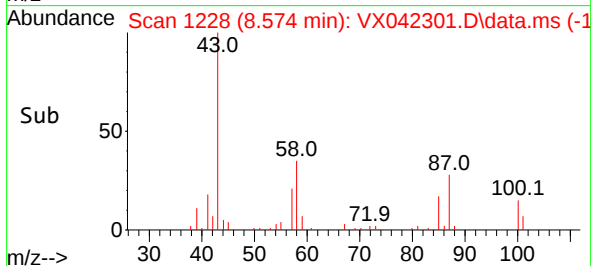
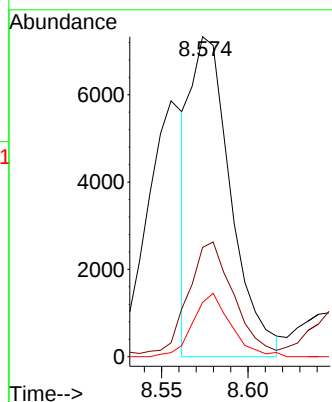
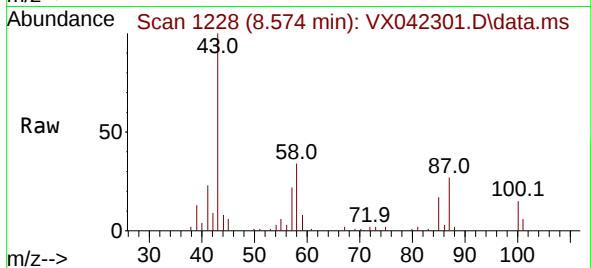
Tgt Ion: 43	Resp: 1192
Ion Ratio	Lower Upper
43 100	
58 41.1	33.2 49.8
85 18.5	15.5 23.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/15/2024

Supervised By :Mahesh Dadoda 07/15/2024



#59

2-Hexanone

Concen: 1.533 ug/l

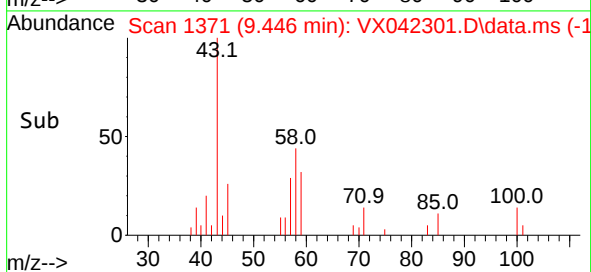
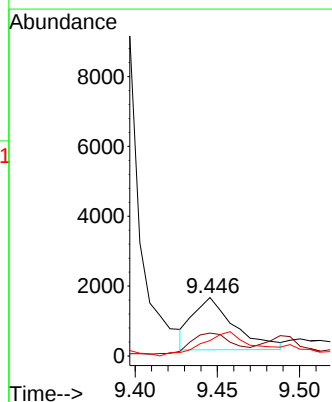
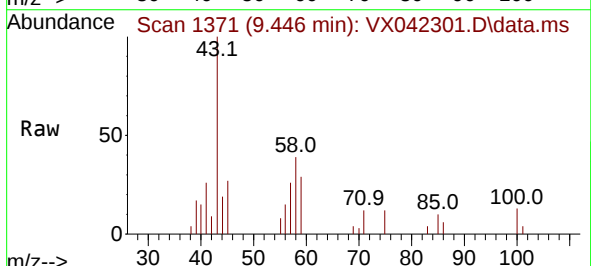
RT: 9.446 min Scan# 1371

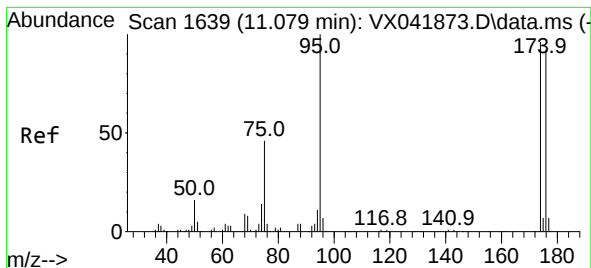
Delta R.T. 0.012 min

Lab File: VX042301.D

Acq: 12 Jul 2024 14:39

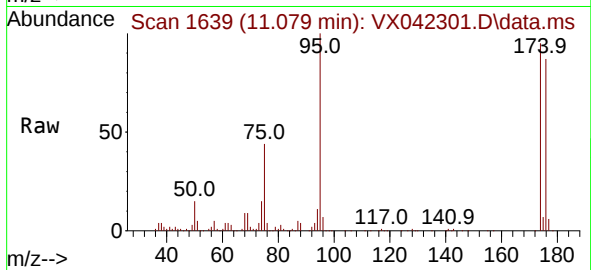
Tgt Ion: 43	Resp: 2625
Ion Ratio	Lower Upper
43 100	
58 41.1	46.0 69.0#
57 56.2	15.8 23.6#





#60
4-Bromofluorobenzene
Concen: 29.354 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

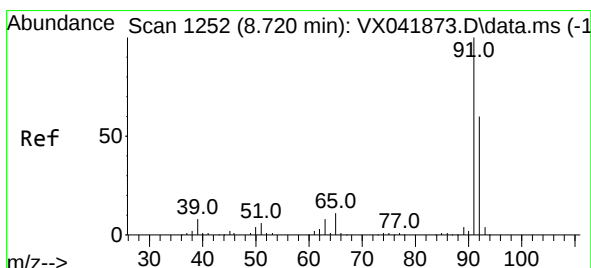
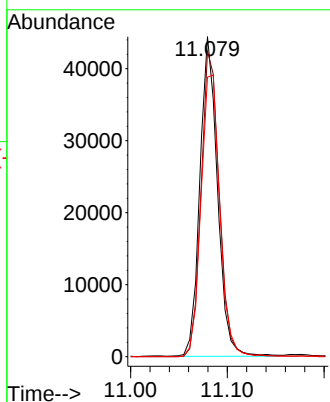
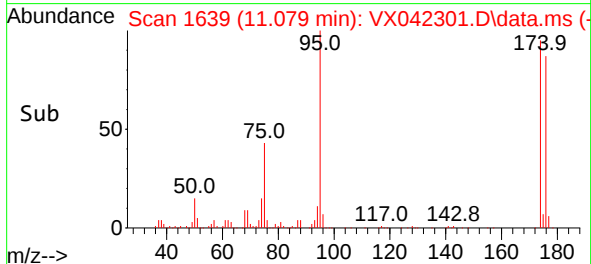
Instrument :
MSVOA_X
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240710076-02-VOA



Tgt Ion: 95 Resp: 5625
Ion Ratio Lower Upper
95 100
174 99.1 78.9 118.3
176 94.8 77.1 115.7

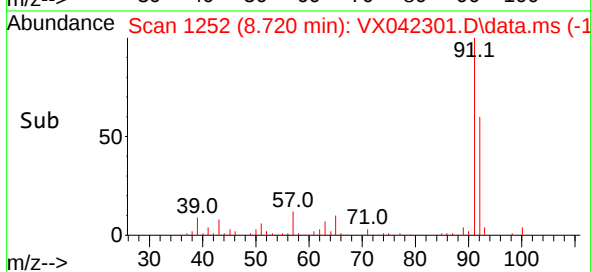
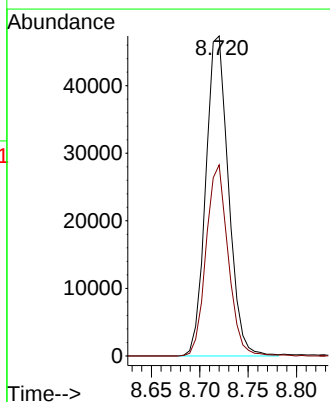
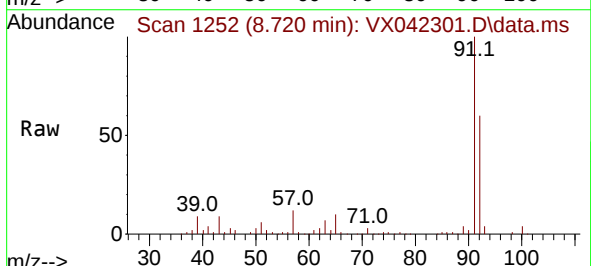
Manual Integrations
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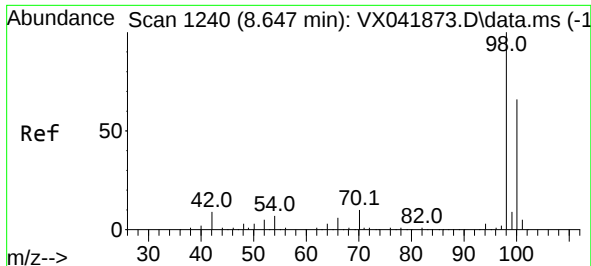
Reviewed By :John Carlone 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024



#62
Toluene
Concen: 12.330 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

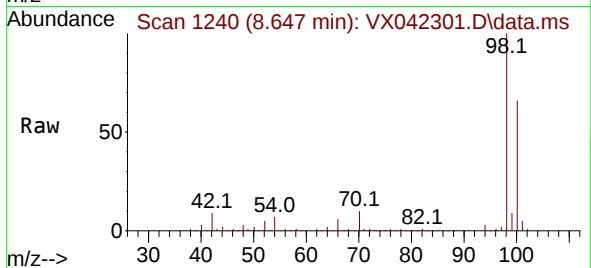
Tgt Ion: 91 Resp: 77249
Ion Ratio Lower Upper
91 100
92 58.1 47.4 71.2





#63
Toluene-d8
Concen: 29.093 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

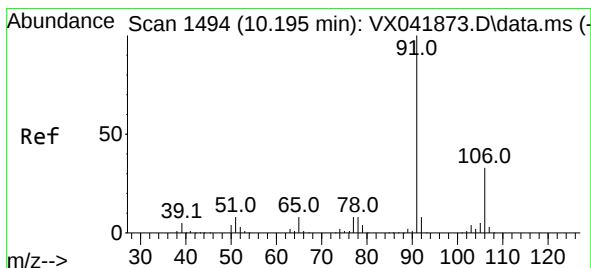
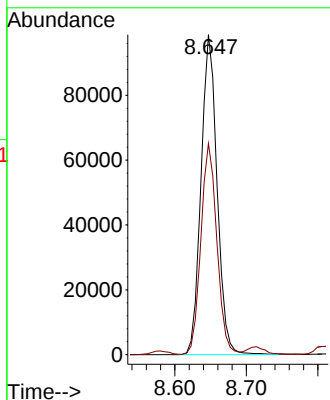
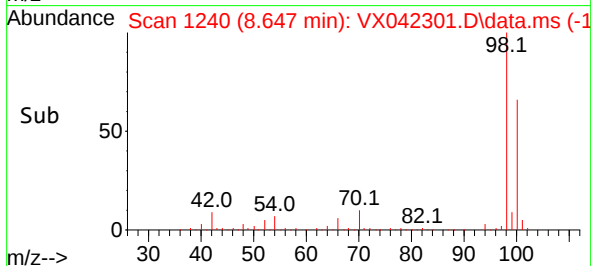
Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA



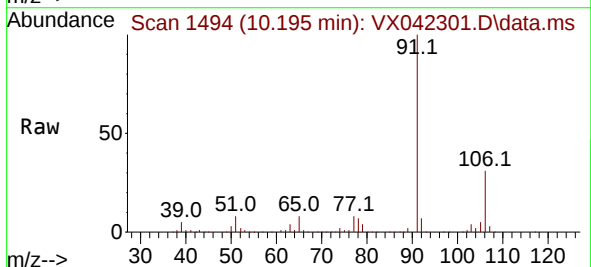
Tgt Ion: 98 Resp: 154100
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1

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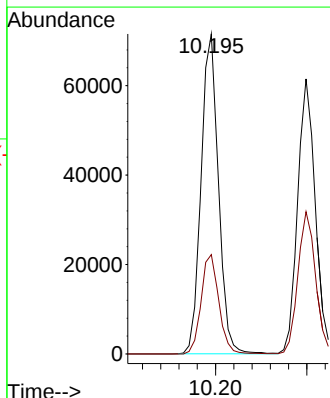
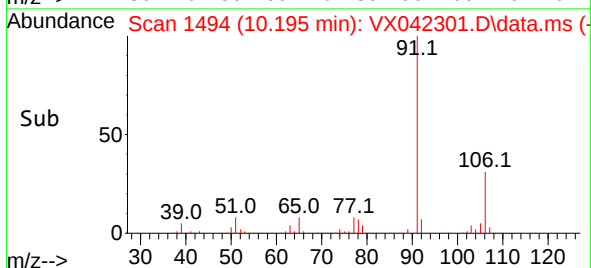
Reviewed By :John Carlone 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024

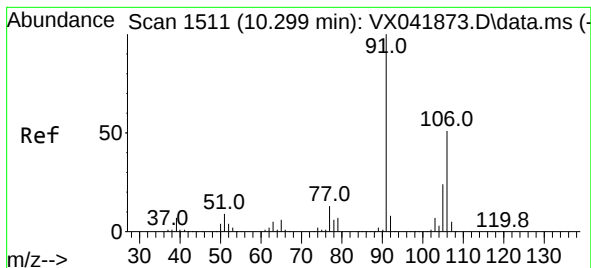


#66
Ethyl Benzene
Concen: 13.731 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39



Tgt Ion: 91 Resp: 94047
Ion Ratio Lower Upper
91 100
106 31.1 26.4 39.6





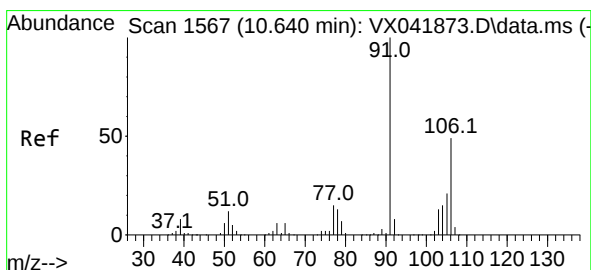
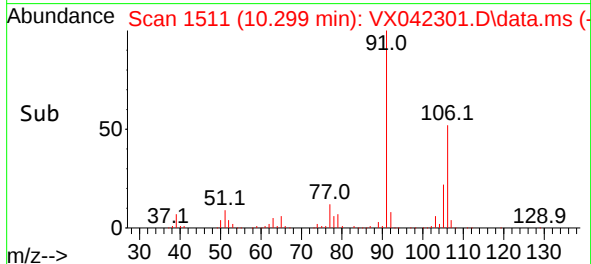
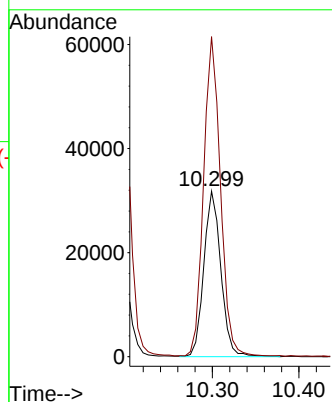
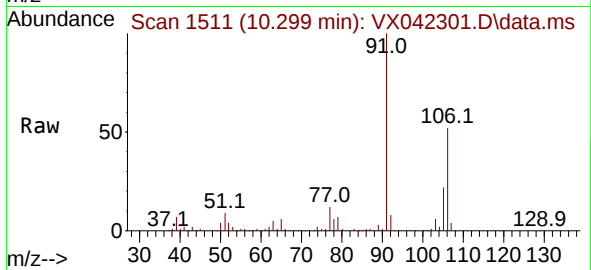
#67
m/p-Xylenes
Concen: 15.772 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA

Tgt Ion:106 Resp: 4345
Ion Ratio Lower Upper
106 100
91 190.8 157.0 235.6

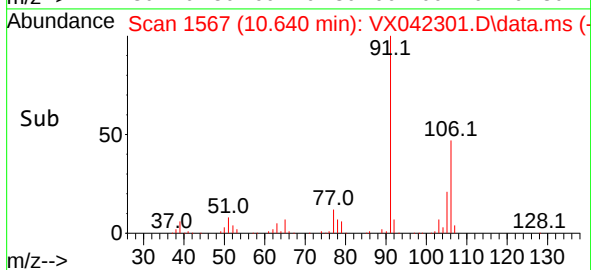
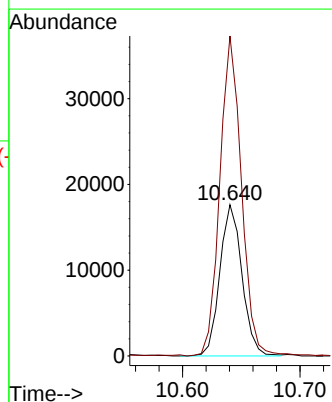
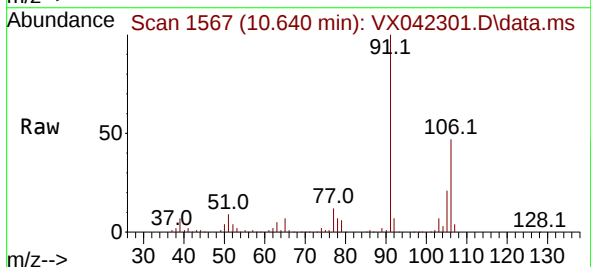
Manual Integrations
APPROVED

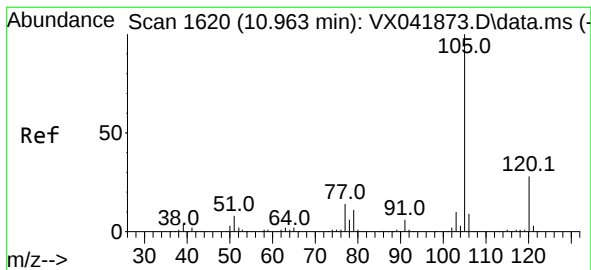
Reviewed By :John Carlone 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024



#68
o-Xylene
Concen: 8.413 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

Tgt Ion:106 Resp: 23110
Ion Ratio Lower Upper
106 100
91 204.2 103.2 309.6





#70

Isopropylbenzene

Concen: 1.565 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX042301.D

Acq: 12 Jul 2024 14:39

Instrument :

MSVOA_X

ClientSampleId :

240710076-02-VOA

Tgt Ion:105 Resp: 10809

Ion Ratio Lower Upper

105 100

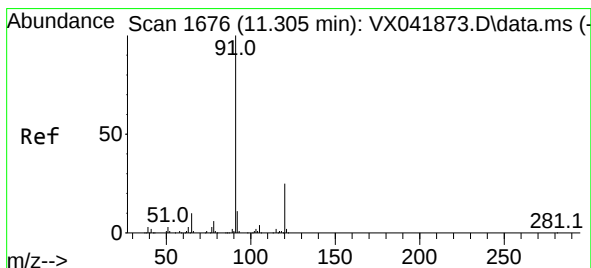
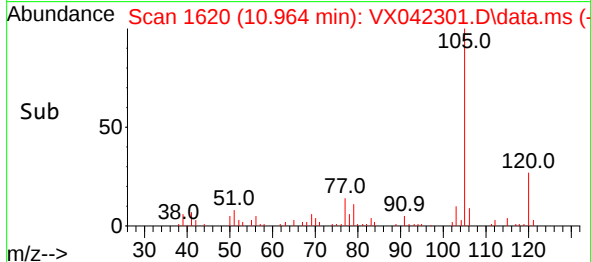
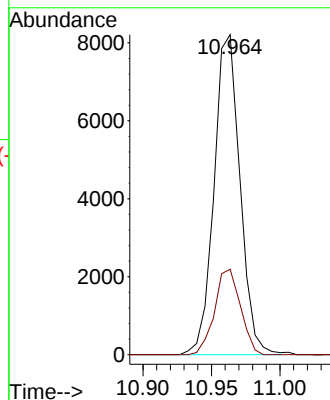
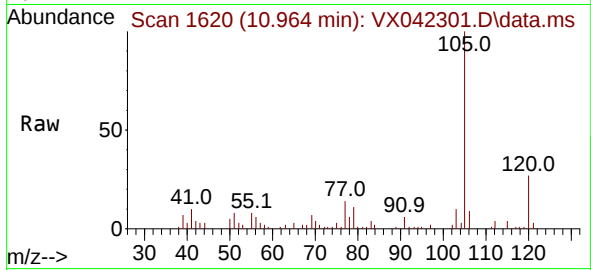
120 26.6 19.2 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/15/2024

Supervised By :Mahesh Dadoda 07/15/2024



#74

n-propylbenzene

Concen: 0.675 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX042301.D

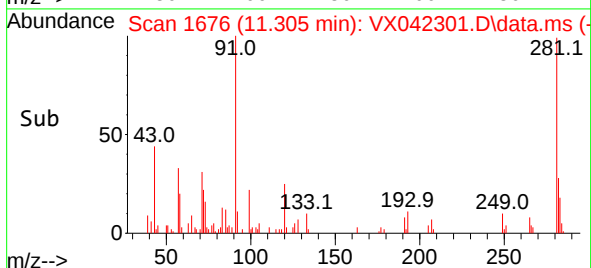
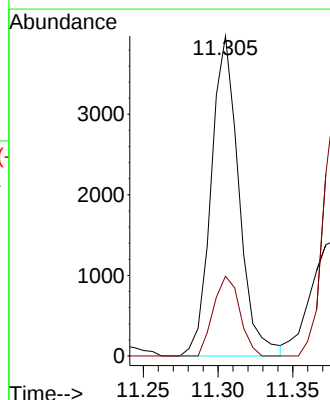
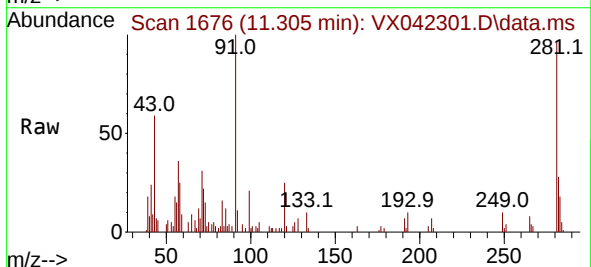
Acq: 12 Jul 2024 14:39

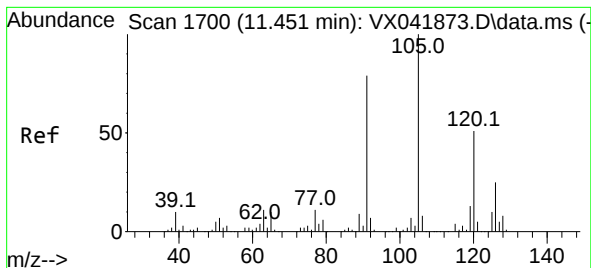
Tgt Ion: 91 Resp: 5124

Ion Ratio Lower Upper

91 100

120 23.6 0.0 49.6





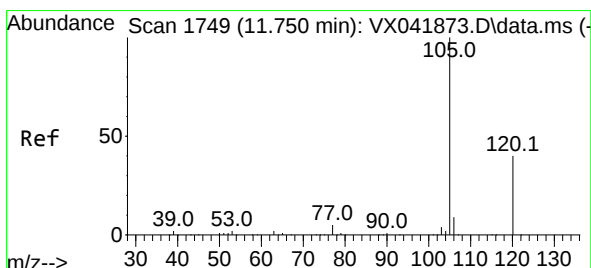
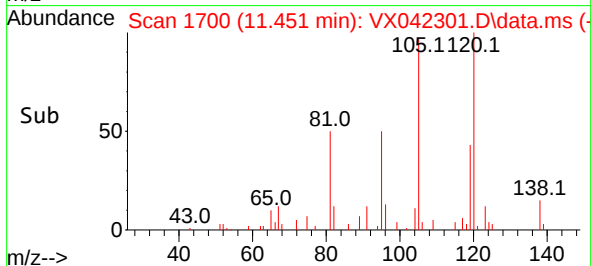
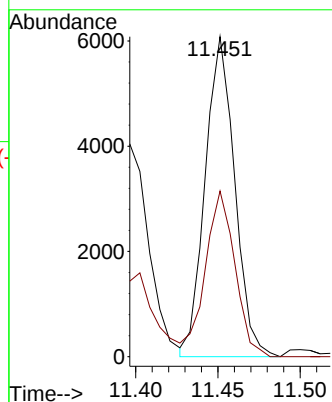
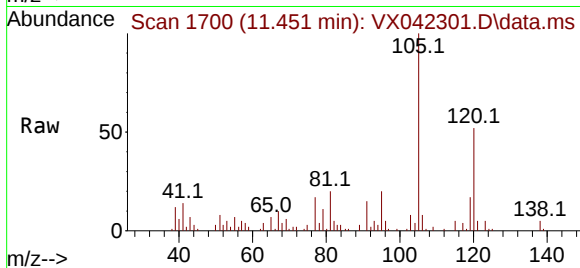
#76
1,3,5-Trimethylbenzene
Concen: 1.311 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA

Tgt Ion:105 Resp: 758
Ion Ratio Lower Upper
105 100
120 51.8 0.0 103.0

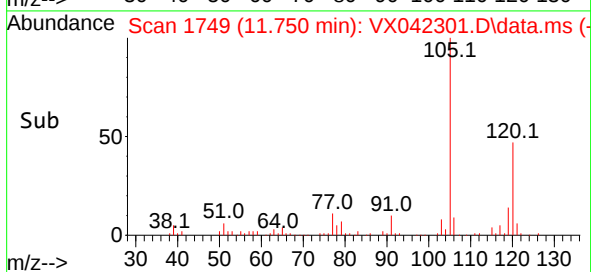
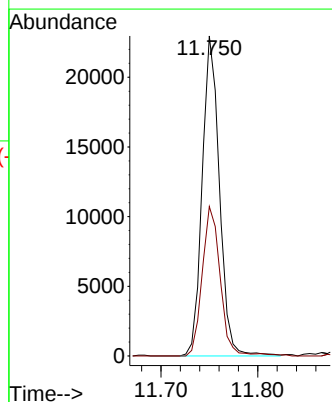
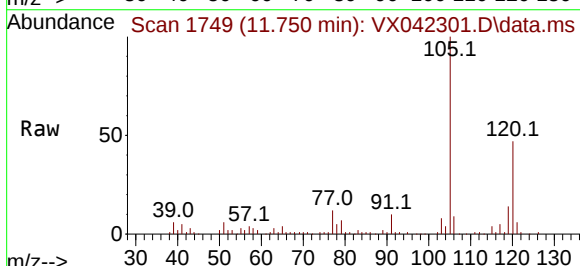
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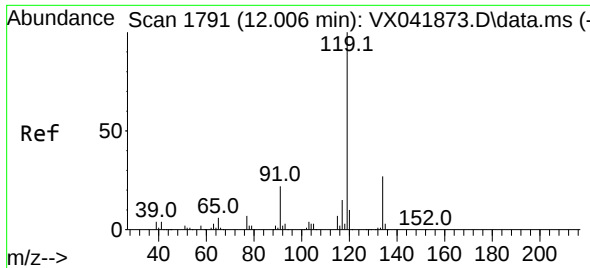
Reviewed By :John Carlone 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024



#80
1,2,4-Trimethylbenzene
Concen: 4.937 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

Tgt Ion:105 Resp: 28540
Ion Ratio Lower Upper
105 100
120 48.0 0.0 96.2





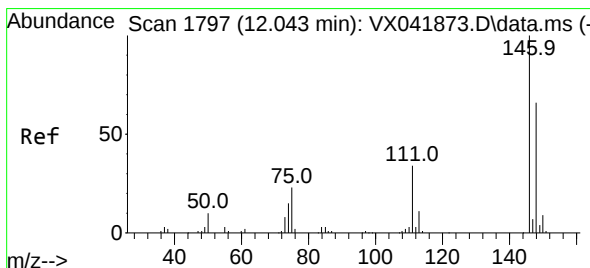
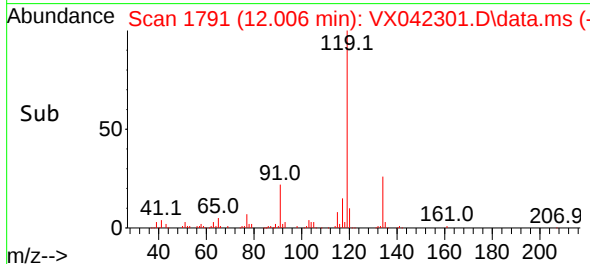
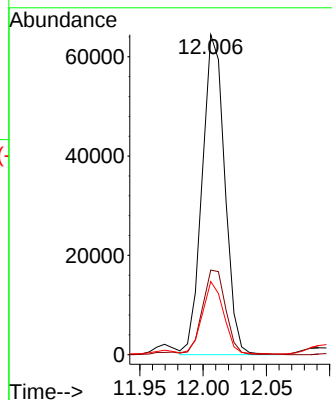
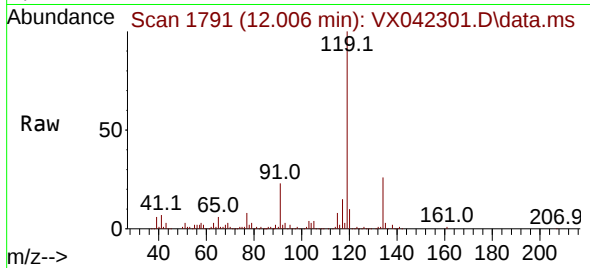
#82
p-Isopropyltoluene
Concen: 12.777 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA

Tgt Ion:119 Resp: 8020
Ion Ratio Lower Upper
119 100
134 27.1 0.0 54.0
91 21.8 0.0 42.2

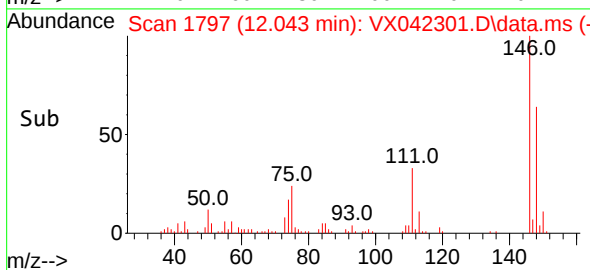
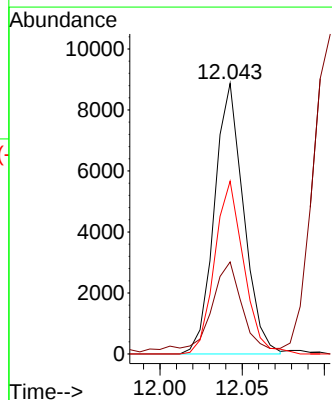
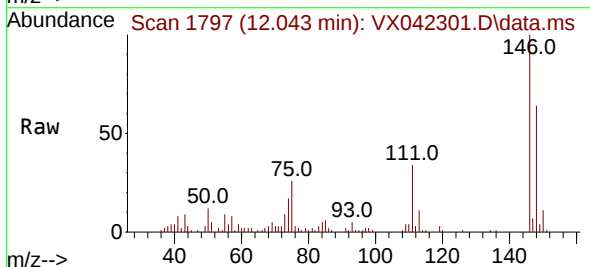
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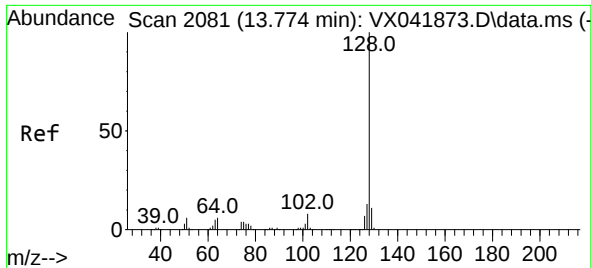
Reviewed By :John Carlone 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024



#84
1,4-Dichlorobenzene
Concen: 3.063 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

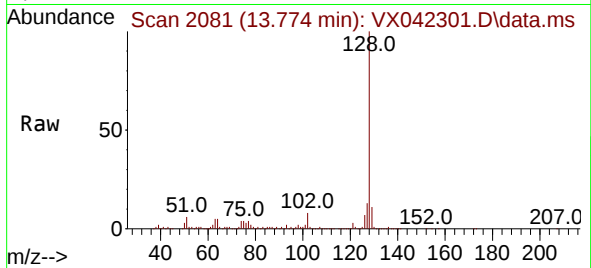
Tgt Ion:146 Resp: 10952
Ion Ratio Lower Upper
146 100
111 34.4 17.4 52.3
148 63.7 32.3 96.9





#91
Naphthalene
Concen: 26.414 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX042301.D
Acq: 12 Jul 2024 14:39

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA



Tgt Ion:128 Resp: 19625
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.2 8.7 13.1

Manual Integrations
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Reviewed By :John Carlone 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024

