

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013124\
 Data File : VX040052.D
 Acq On : 31 Jan 2024 17:00
 Operator : JC/MD
 Sample : P1282-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1241

Quant Time: Feb 01 04:24:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 07:12:04 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 02/01/2024
 Supervised By :Mahesh Dadoda 02/01/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	76239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147184	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	144603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60003	48.903	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.800%		
35) Dibromofluoromethane	5.385	113	47225	47.134	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.260%		
50) Toluene-d8	8.647	98	182877	48.807	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.620%		
62) 4-Bromofluorobenzene	11.079	95	74816	51.856	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.720%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.946	59	4705	21.134	ug/l #	86
16) Acetone	2.373	43	53651	93.323	ug/l	95
18) Methyl Acetate	2.703	43	9494	6.971	ug/l	99
20) Methylene Chloride	2.788	84	562	0.550	ug/l #	78
25) 2-Butanone	4.562	43	20429	25.563	ug/l	96
40) Benzene	6.037	78	1658	0.393	ug/l #	71
51) 4-Methyl-2-Pentanone	8.580	43	1415	0.831	ug/l	89
52) Toluene	8.720	92	2197	0.835	ug/l	95
59) 2-Hexanone	9.445	43	1574	1.159	ug/l	84
67) Ethyl Benzene	10.195	91	2231	0.416	ug/l	93
68) m/p-Xylenes	10.299	106	3546	1.758	ug/l	88
69) o-Xylene	10.646	106	1791	0.936	ug/l	94
70) Styrene	10.658	104	2934	0.910	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	988	0.203	ug/l	90
84) 1,2,4-Trimethylbenzene	11.756	105	4462	0.919	ug/l	79
89) n-Butylbenzene	12.329	91	1268m	0.259	ug/l	
95) Naphthalene	13.780	128	4039	0.749	ug/l #	93

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

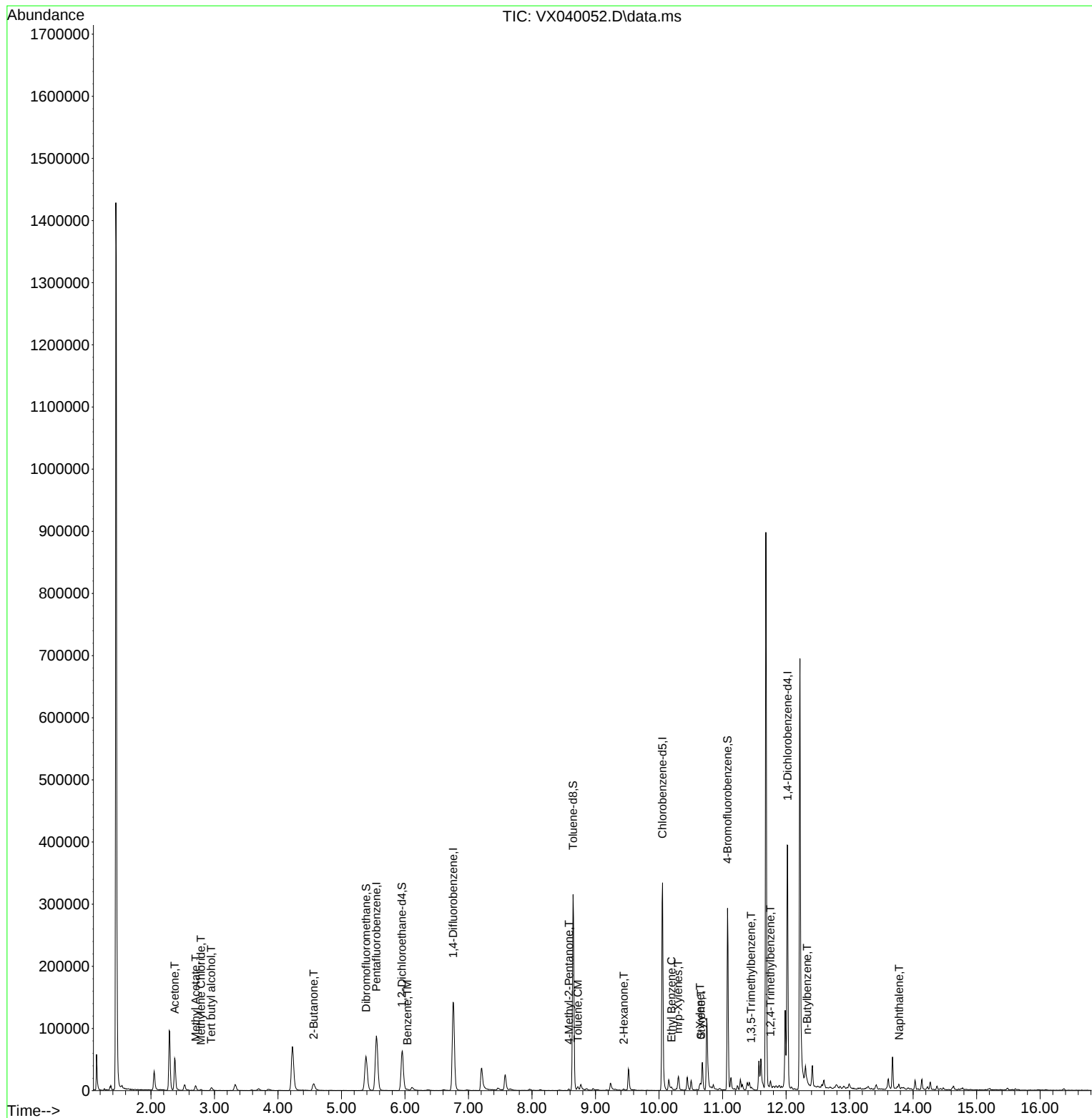
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013124\
Data File : VX040052.D
Acq On : 31 Jan 2024 17:00
Operator : JC/MD
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Misc : 5.0mL/MSVOA_X/WATER
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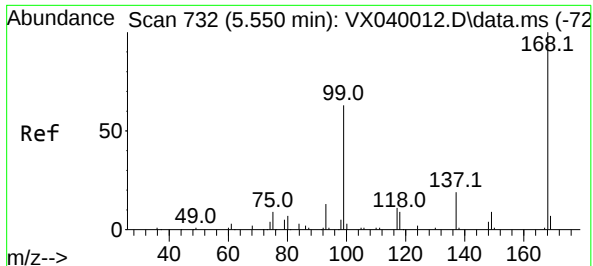
Instrument :
MSVOA_X
ClientSampleId :
1241

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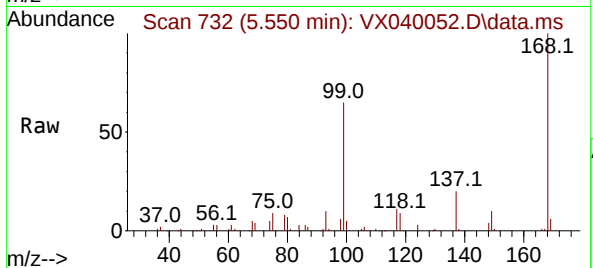
Quant Time: Feb 01 04:24:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 31 07:12:04 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.000 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

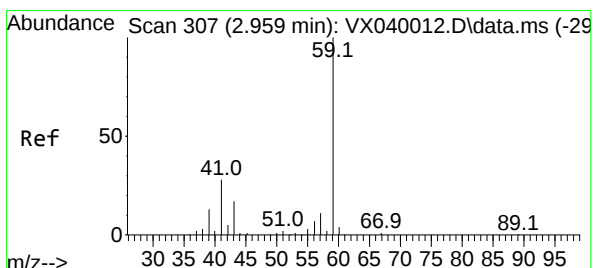
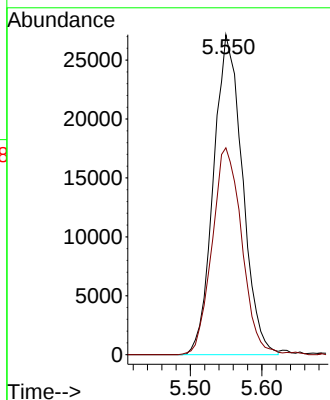
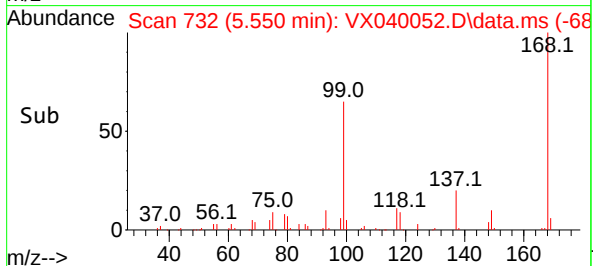
Instrument :
MSVOA_X
ClientSampleId :
1241



Tgt Ion:168 Resp: 76239
Ion Ratio Lower Upper
168 100
99 64.7 56.6 85.0

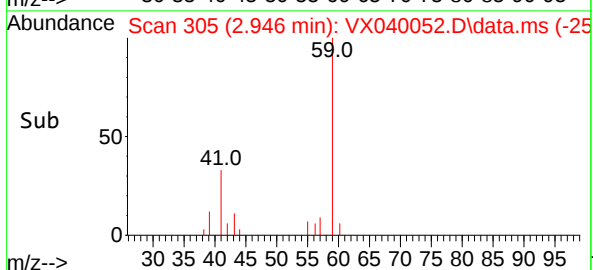
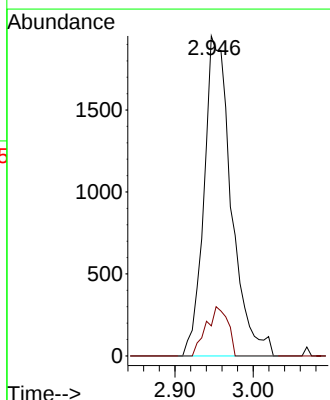
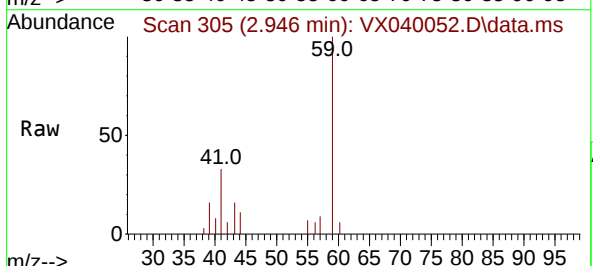
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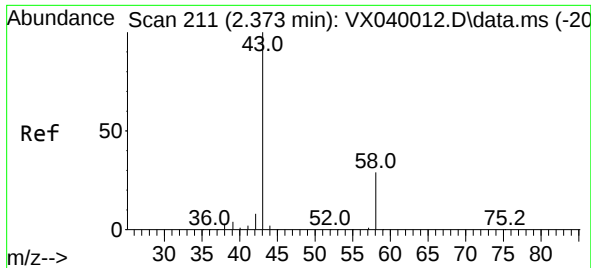
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024



#11
Tert butyl alcohol
Concen: 21.134 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

Tgt Ion: 59 Resp: 4705
Ion Ratio Lower Upper
59 100
57 12.2 6.0 9.0#





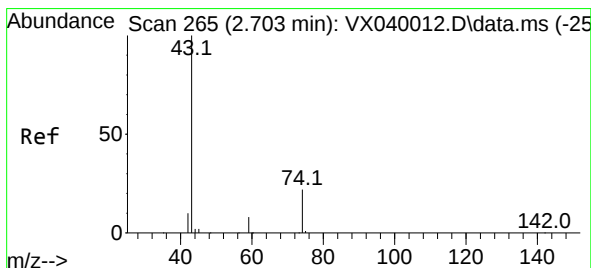
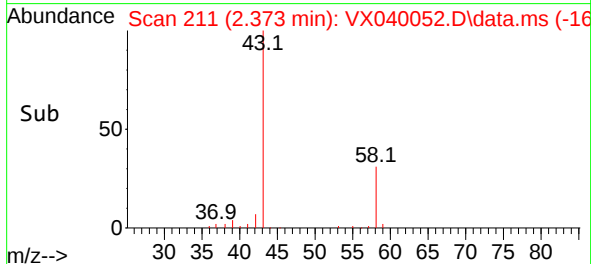
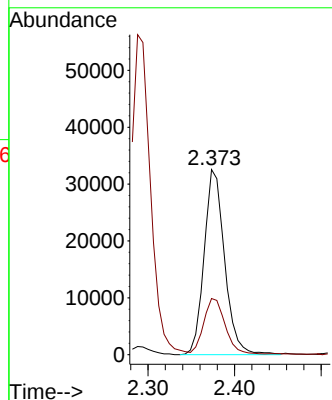
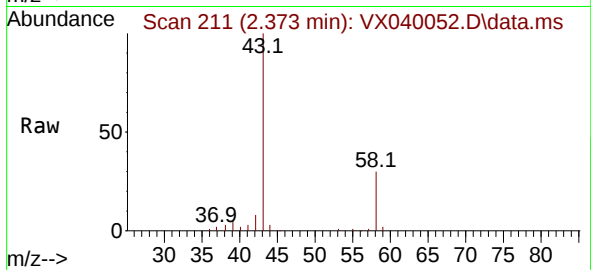
#16
Acetone
Concen: 93.323 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

Instrument : MSVOA_X
ClientSampleId : 1241

Tgt Ion: 43 Resp: 5365
Ion Ratio Lower Upper
43 100
58 29.8 21.9 32.9

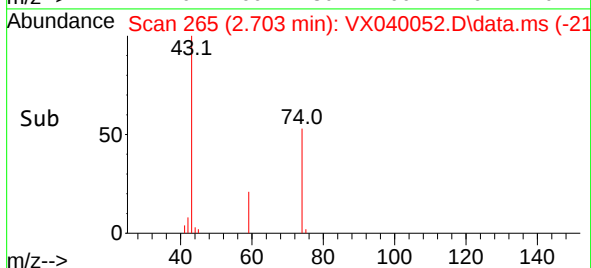
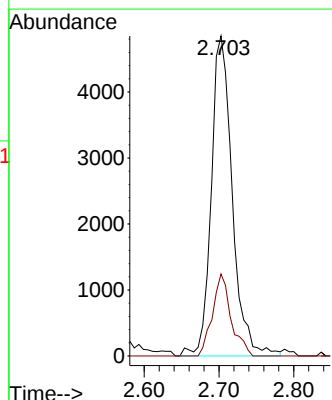
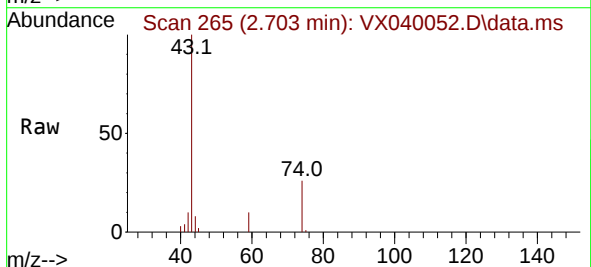
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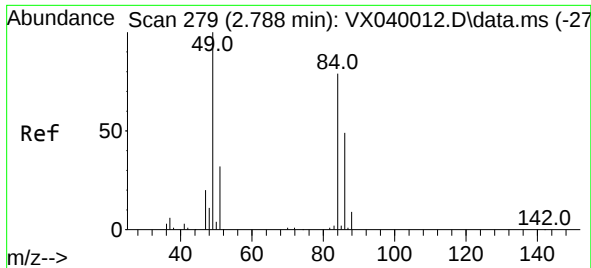
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024



#18
Methyl Acetate
Concen: 6.971 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

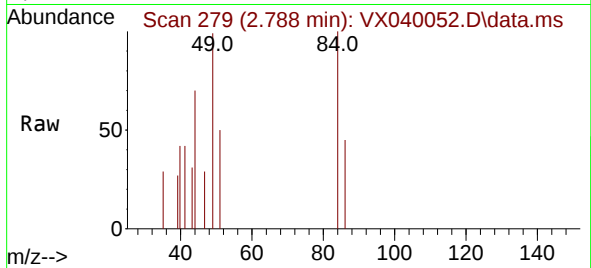
Tgt Ion: 43 Resp: 9494
Ion Ratio Lower Upper
43 100
74 22.7 17.8 26.8





#20
Methylene Chloride
Concen: 0.550 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

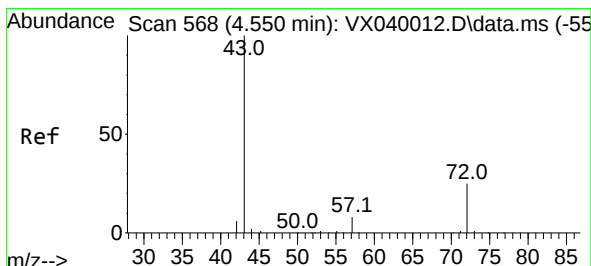
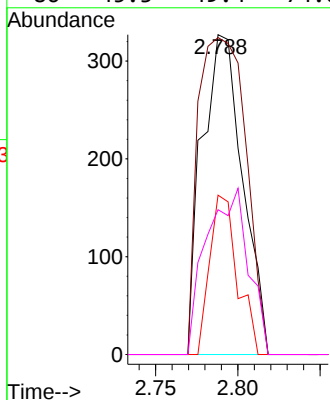
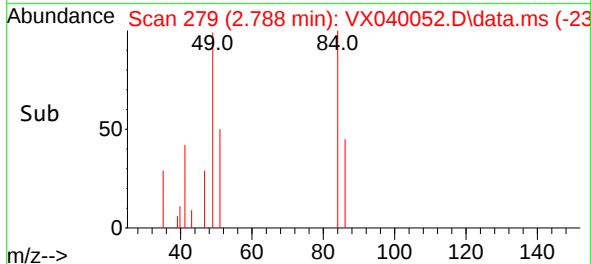
Instrument :
MSVOA_X
ClientSampleId :
1241



Tgt Ion: 84 Resp: 562
Ion Ratio Lower Upper
84 100
49 99.1 103.6 155.4
51 49.8 33.8 50.6
86 45.3 49.4 74.0#

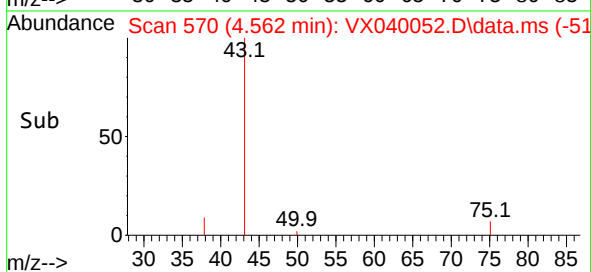
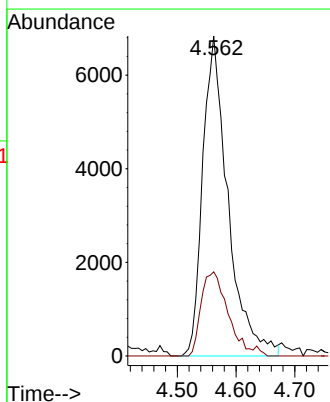
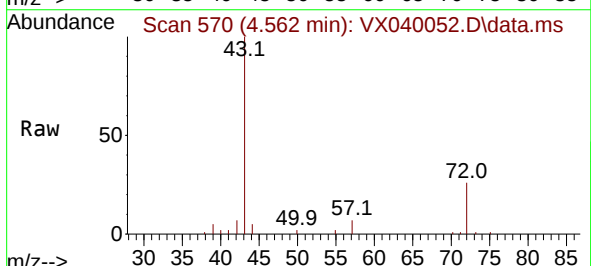
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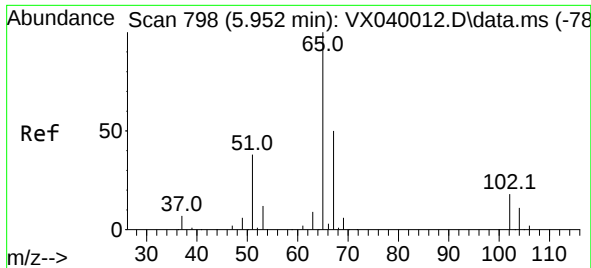
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024



#25
2-Butanone
Concen: 25.563 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.012 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

Tgt Ion: 43 Resp: 20429
Ion Ratio Lower Upper
43 100
72 26.3 19.4 29.2





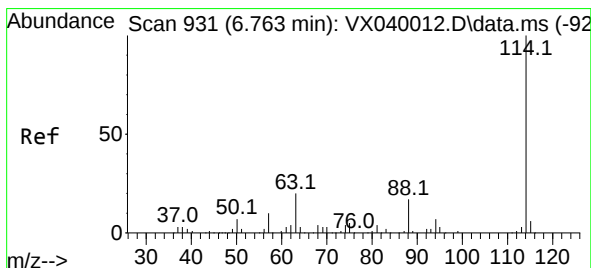
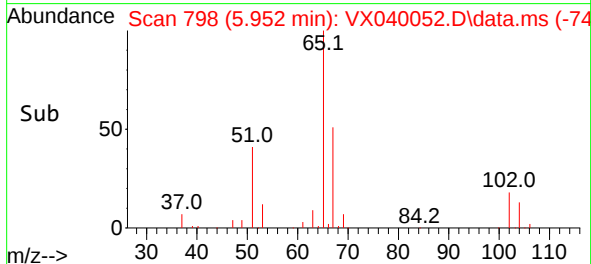
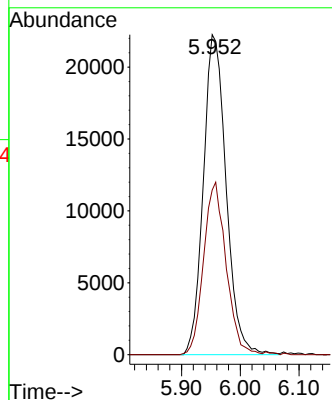
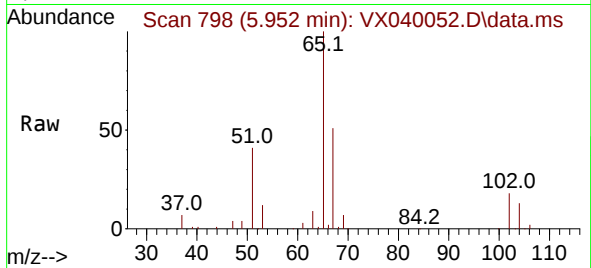
#33
1,2-Dichloroethane-d4
Concen: 48.903 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

Instrument :
MSVOA_X
ClientSampleId :
1241

Tgt Ion: 65 Resp: 6000
Ion Ratio Lower Upper
65 100
67 53.1 0.0 100.2

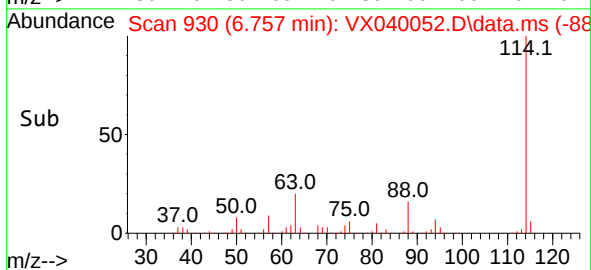
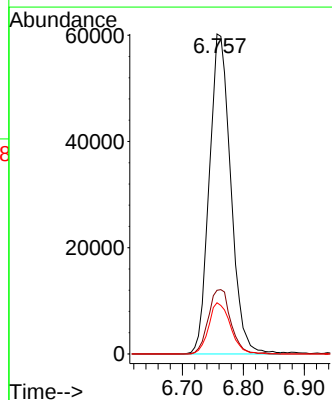
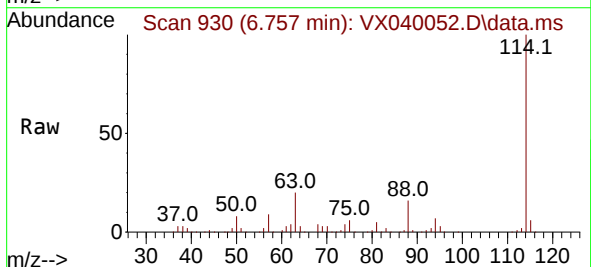
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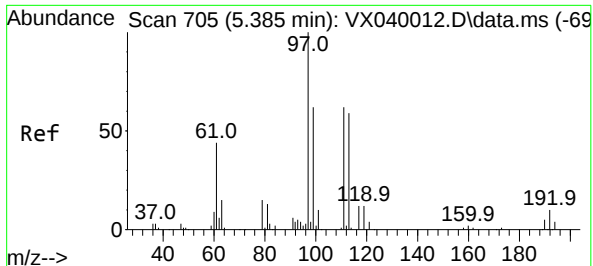
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

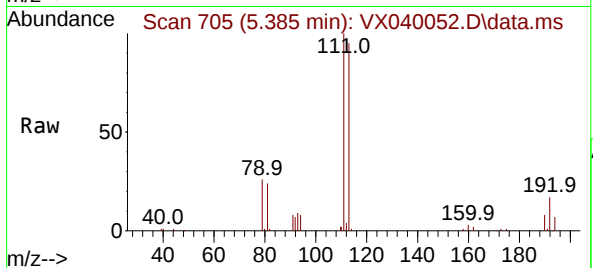
Tgt Ion:114 Resp: 147184
Ion Ratio Lower Upper
114 100
63 19.9 0.0 45.0
88 16.0 0.0 36.6





#35
Dibromofluoromethane
Concen: 47.134 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

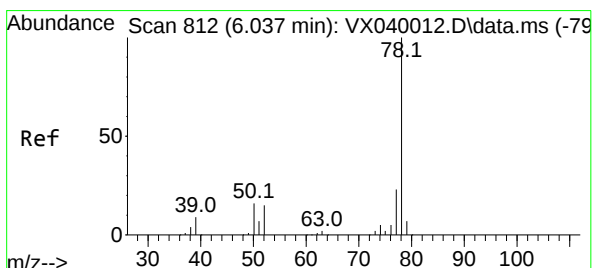
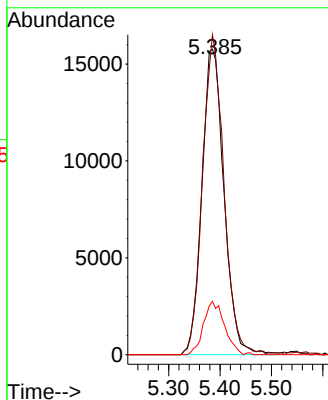
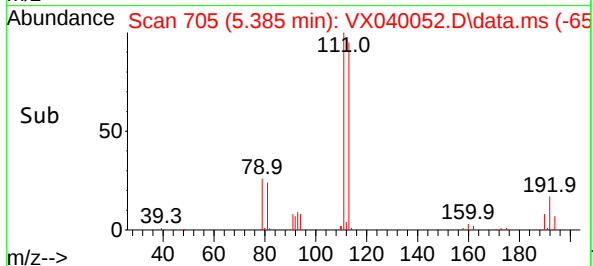
Instrument :
MSVOA_X
ClientSampleId :
1241



Tgt Ion:113 Resp: 47225
Ion Ratio Lower Upper
113 100
111 101.1 82.9 124.3
192 16.5 13.3 19.9

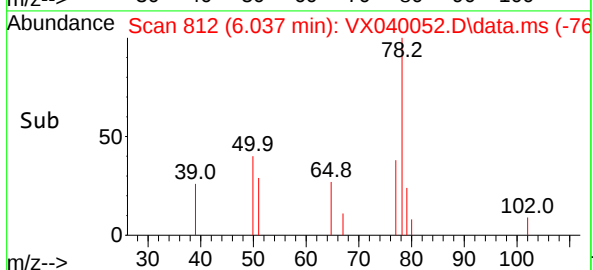
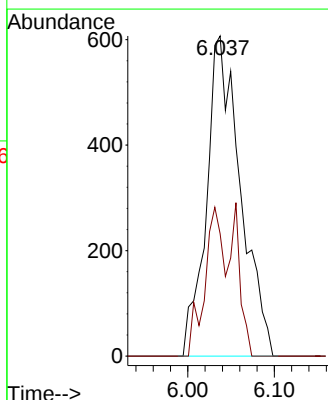
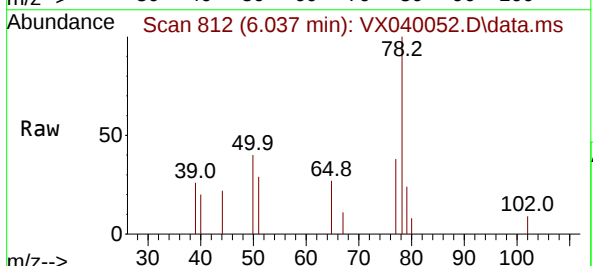
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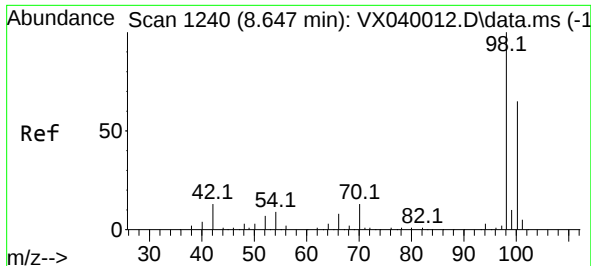
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024



#40
Benzene
Concen: 0.393 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

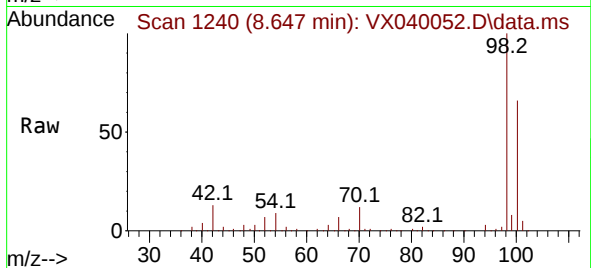
Tgt Ion: 78 Resp: 1658
Ion Ratio Lower Upper
78 100
77 38.2 19.3 28.9#





#50
Toluene-d8
Concen: 48.807 ug/l
RT: 8.647 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

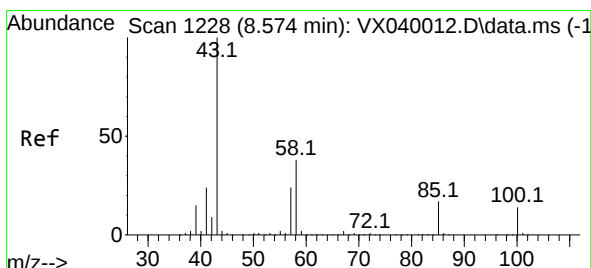
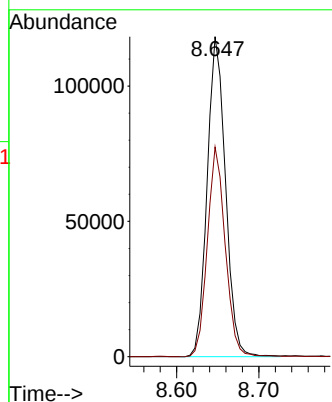
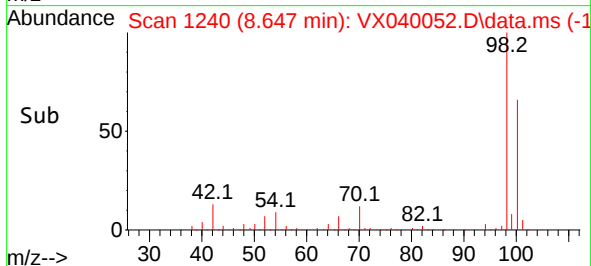
Instrument :
MSVOA_X
ClientSampleId :
1241



Tgt Ion: 98 Resp: 18287
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7

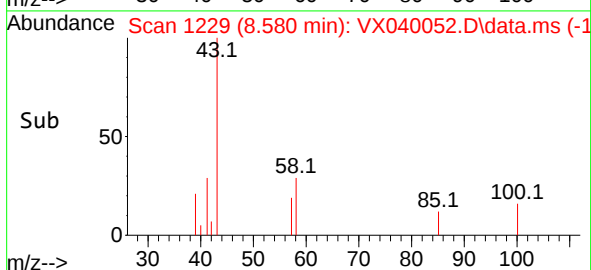
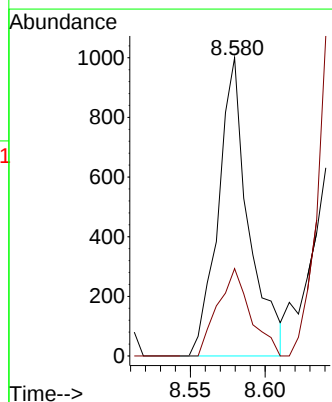
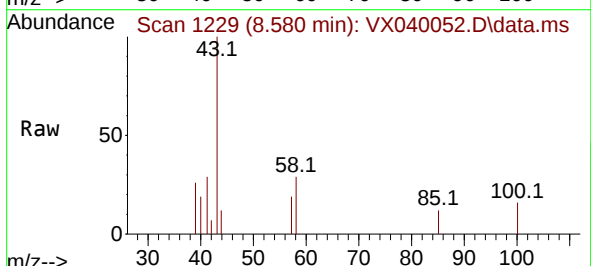
Manual Integrations
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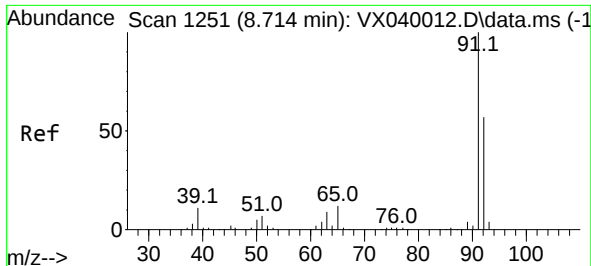
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024



#51
4-Methyl-2-Pentanone
Concen: 0.831 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

Tgt Ion: 43 Resp: 1415
Ion Ratio Lower Upper
43 100
58 31.5 30.4 45.6





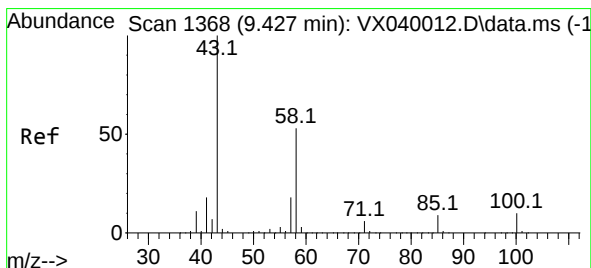
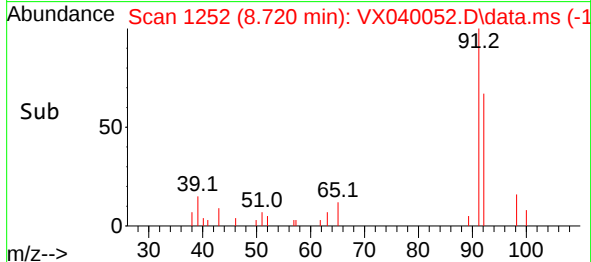
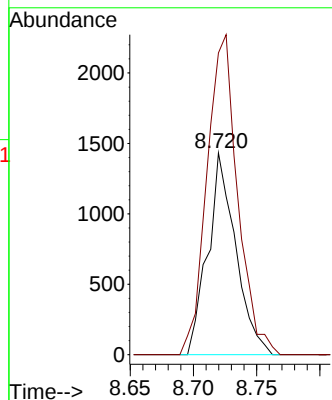
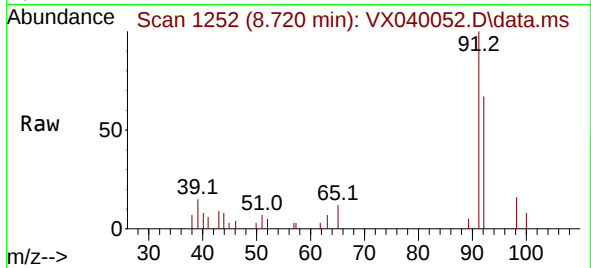
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Toluene
Concen: 0.835 ug/l
RT: 8.720 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

Instrument :
MSVOA_X
ClientSampleId :
1241

Tgt Ion: 92 Resp: 219
Ion Ratio Lower Upper
92 100
91 174.9 134.2 201.2

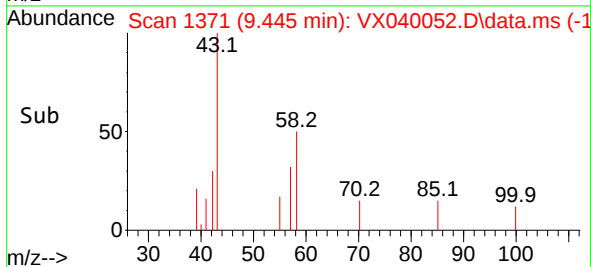
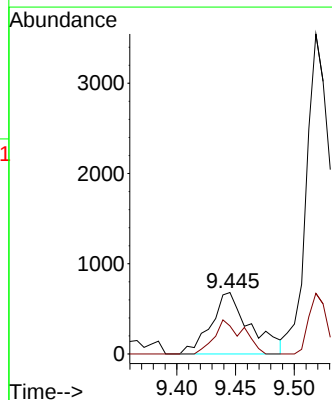
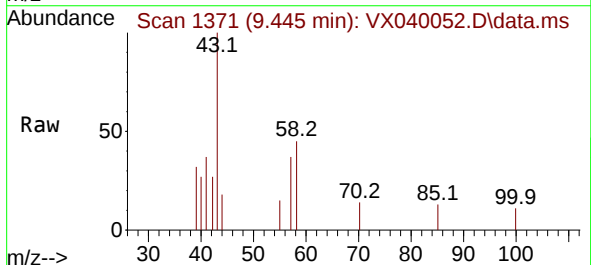
Manual Integrations
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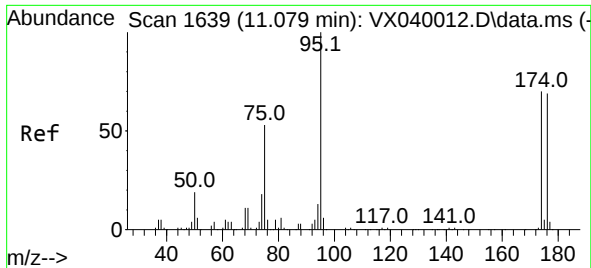
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024



#59
2-Hexanone
Concen: 1.159 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.018 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

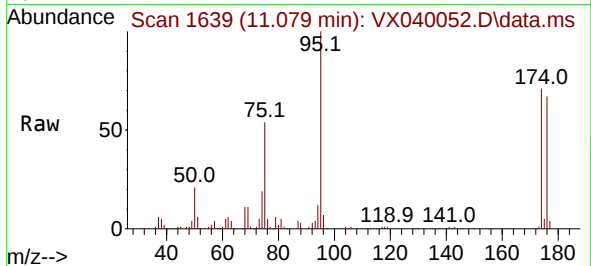
Tgt Ion: 43 Resp: 1574
Ion Ratio Lower Upper
43 100
58 41.4 26.2 78.5





#62
4-Bromofluorobenzene
Concen: 51.856 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

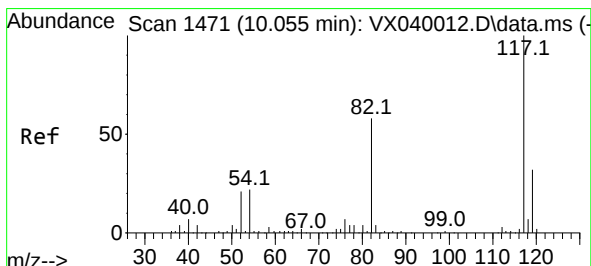
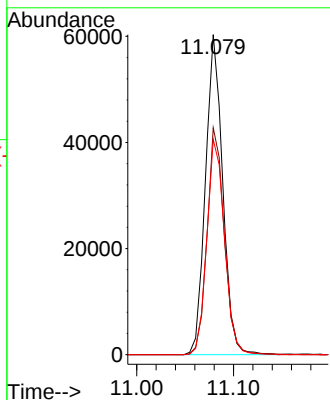
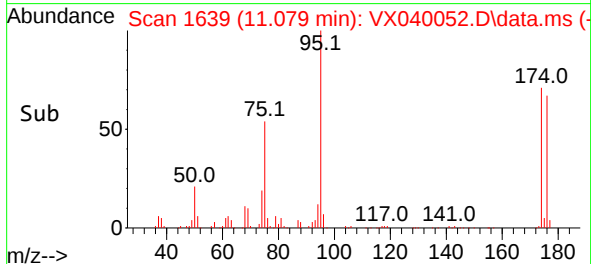
Instrument :
MSVOA_X
ClientSampleId :
1241



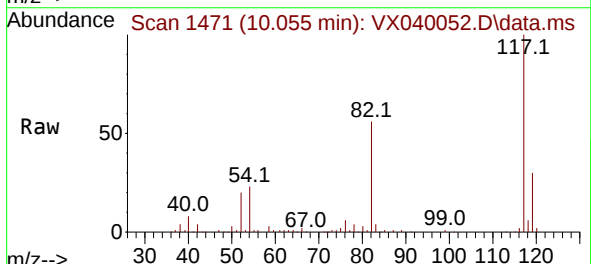
Tgt Ion: 95 Resp: 74810
Ion Ratio Lower Upper
95 100
174 70.7 0.0 135.6
176 69.1 0.0 131.0

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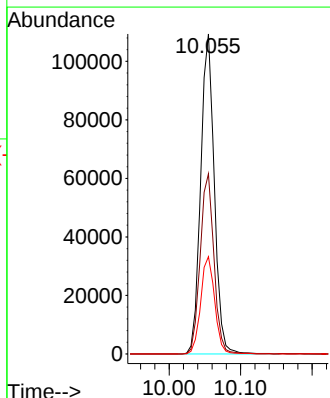
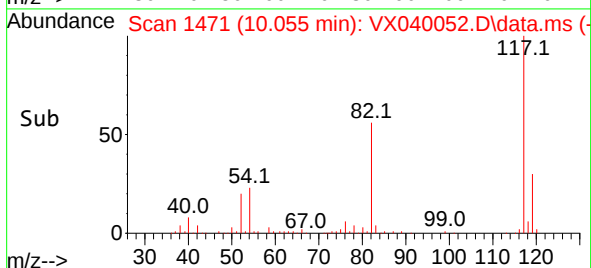
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024

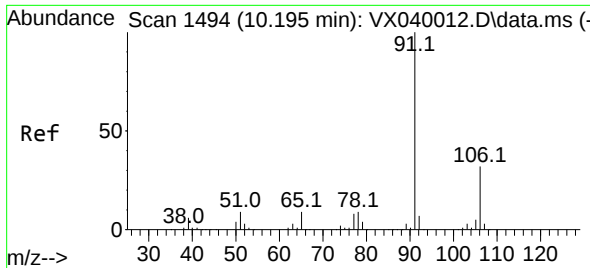


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00



Tgt Ion:117 Resp: 144603
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 30.4 25.5 38.3





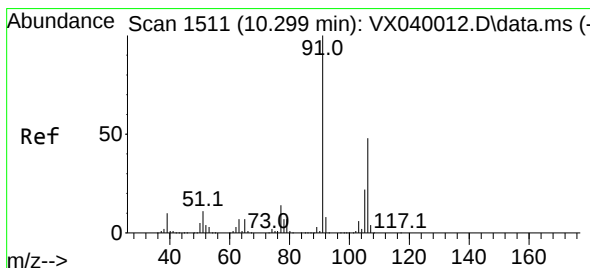
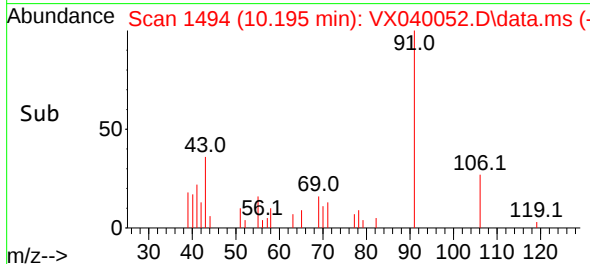
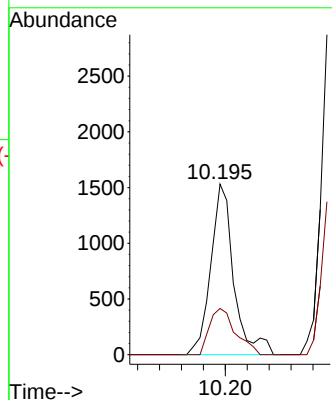
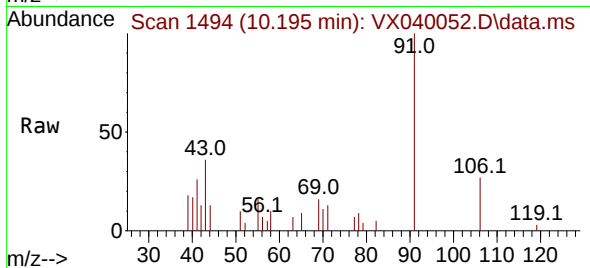
#67
Ethyl Benzene
Concen: 0.416 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

Instrument :
MSVOA_X
ClientSampleId :
1241

Tgt Ion: 91 Resp: 223
Ion Ratio Lower Upper
91 100
106 27.1 24.9 37.3

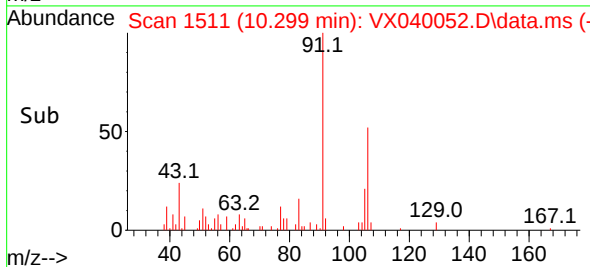
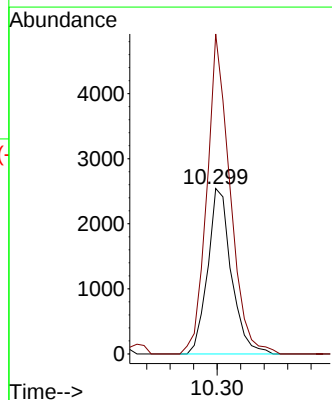
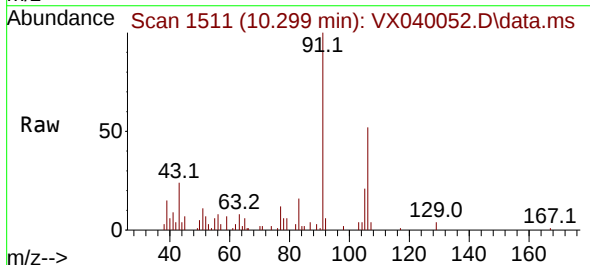
Manual Integrations
APPROVED

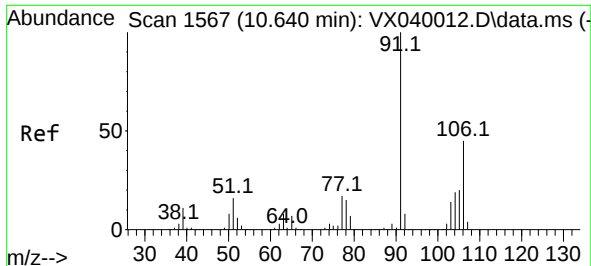
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024



#68
m/p-Xylenes
Concen: 1.758 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

Tgt Ion:106 Resp: 3546
Ion Ratio Lower Upper
106 100
91 188.9 165.5 248.3





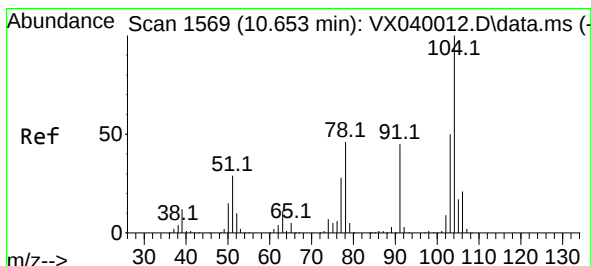
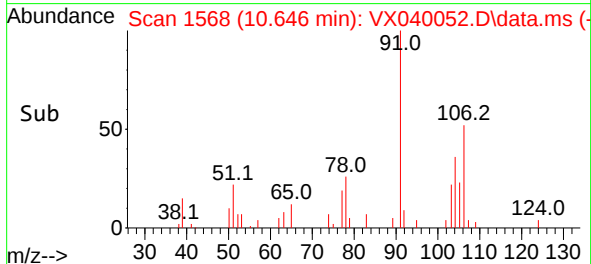
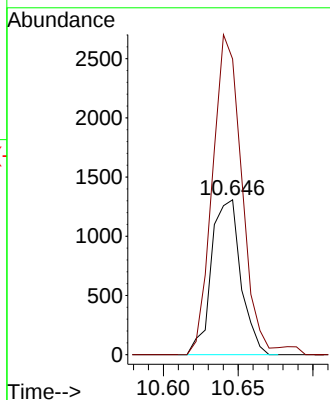
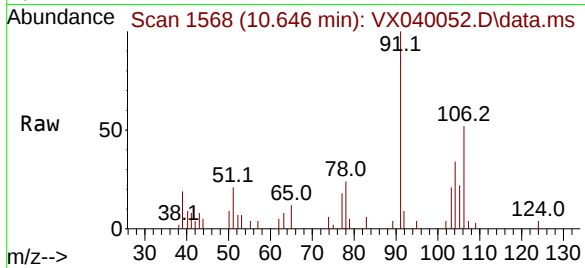
#69
o-Xylene
Concen: 0.936 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

Instrument :
MSVOA_X
ClientSampleId :
1241

Tgt Ion:106 Resp: 179
Ion Ratio Lower Upper
106 100
91 207.9 108.9 326.8

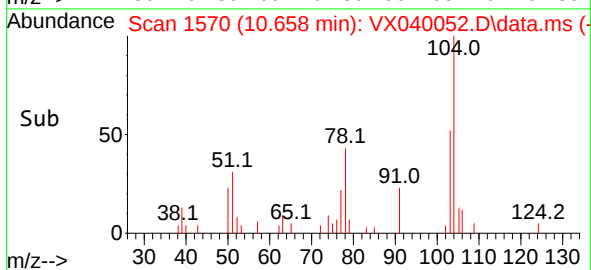
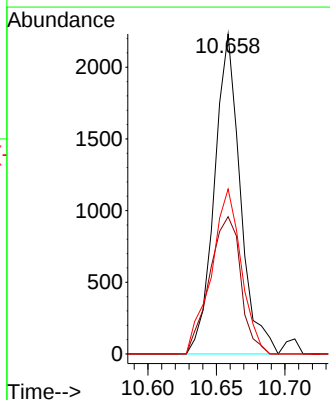
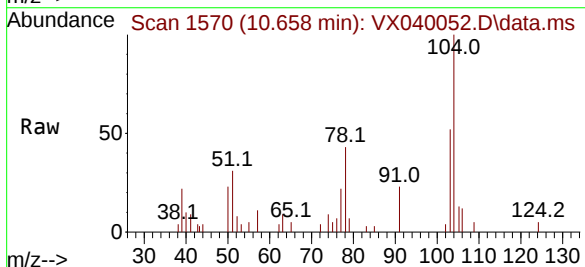
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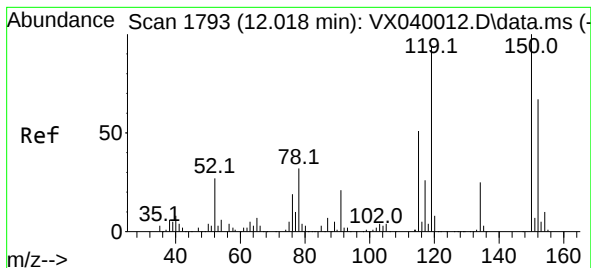
Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024



#70
Styrene
Concen: 0.910 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. 0.005 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

Tgt Ion:104 Resp: 2934
Ion Ratio Lower Upper
104 100
78 51.7 43.6 65.4
103 59.4 43.6 65.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040052.D

Acq: 31 Jan 2024 17:00

Instrument :

MSVOA_X

ClientSampleId :

1241

Tgt Ion:152 Resp: 7886

Ion Ratio Lower Upper

152 100

115 61.8 43.3 129.9

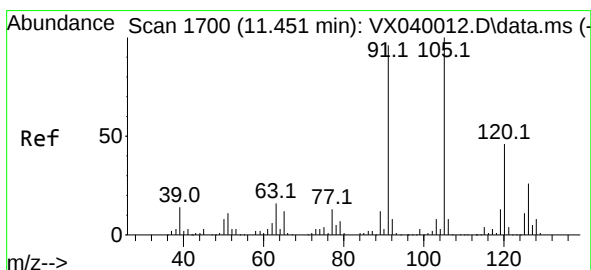
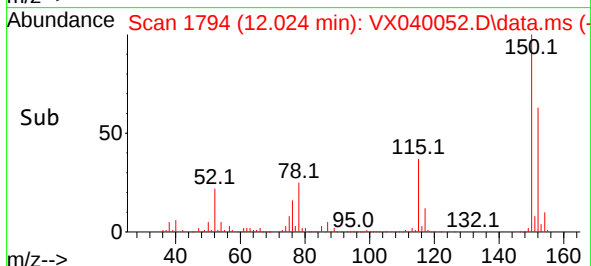
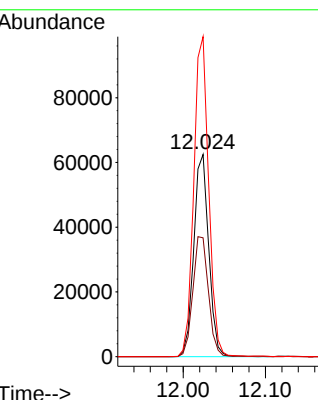
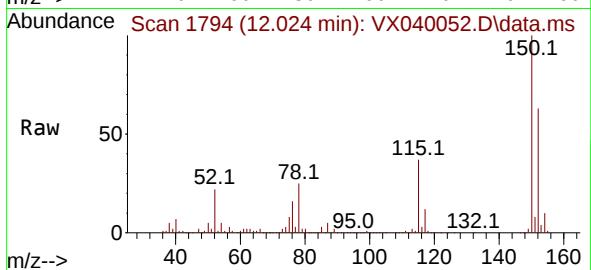
150 157.4 0.0 345.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/01/2024

Supervised By :Mahesh Dadoda 02/01/2024



#80

1,3,5-Trimethylbenzene

Concen: 0.203 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX040052.D

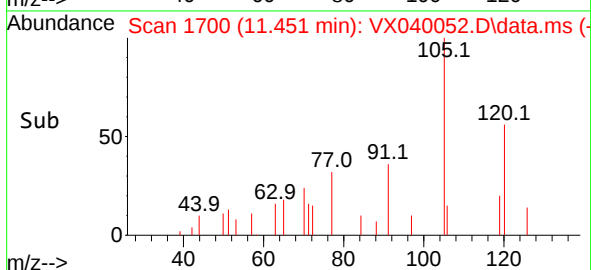
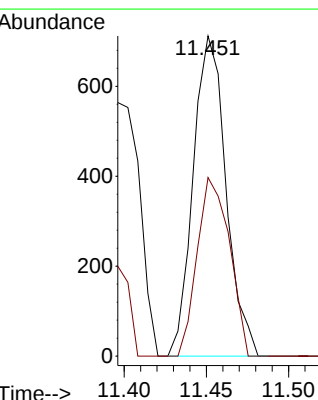
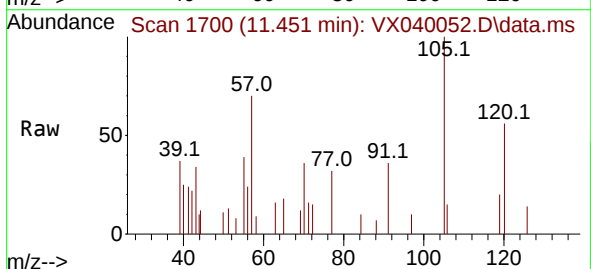
Acq: 31 Jan 2024 17:00

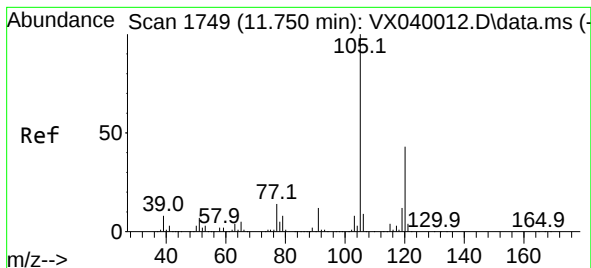
Tgt Ion:105 Resp: 988

Ion Ratio Lower Upper

105 100

120 54.9 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 0.919 ug/l

RT: 11.756 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VX040052.D

Acq: 31 Jan 2024 17:00

Instrument :

MSVOA_X

ClientSampleId :

1241

Tgt Ion:105 Resp: 4462

Ion Ratio Lower Upper

105 100

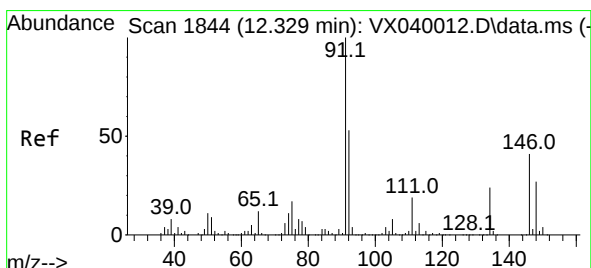
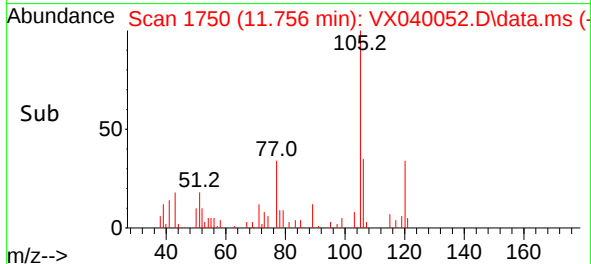
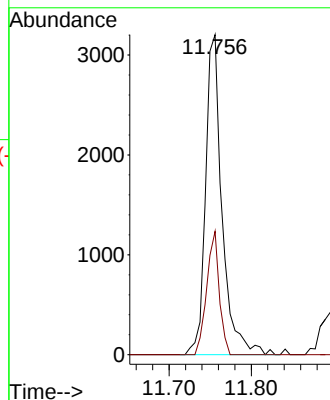
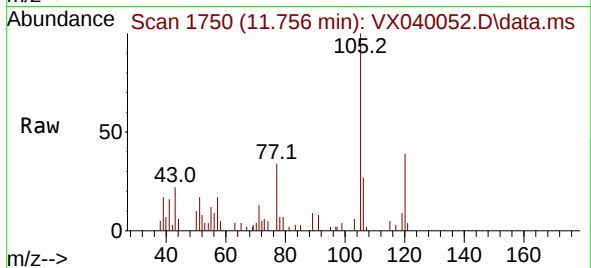
120 29.3 21.2 63.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/01/2024

Supervised By :Mahesh Dadoda 02/01/2024



#89

n-Butylbenzene

Concen: 0.259 ug/l m

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX040052.D

Acq: 31 Jan 2024 17:00

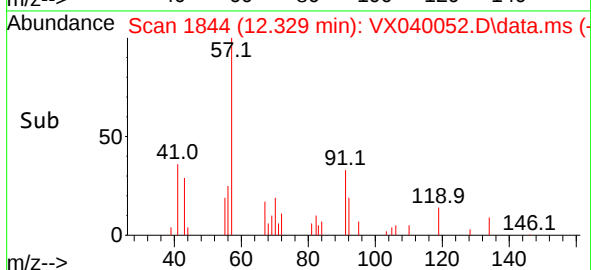
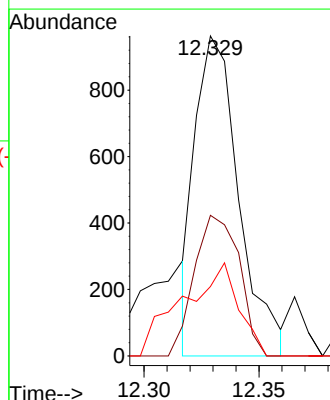
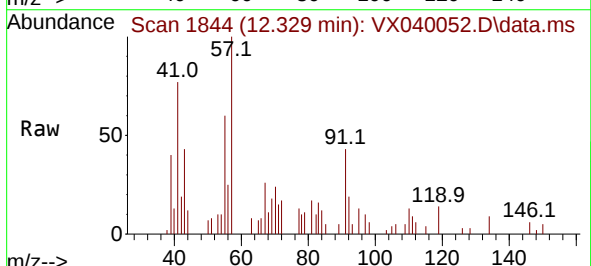
Tgt Ion: 91 Resp: 1268

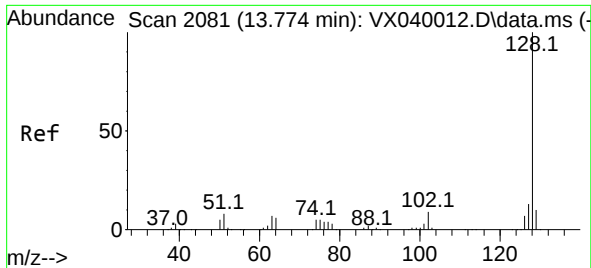
Ion Ratio Lower Upper

91 100

92 45.4 27.4 82.0

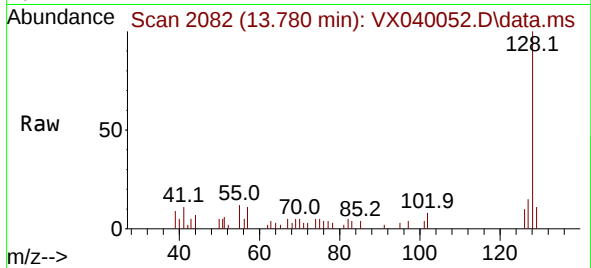
134 37.5 12.6 37.8





#95
Naphthalene
Concen: 0.749 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040052.D
Acq: 31 Jan 2024 17:00

Instrument :
MSVOA_X
ClientSampleId :
1241



Tgt Ion:128 Resp: 4039
Ion Ratio Lower Upper
128 100
127 15.4 10.3 15.5
129 8.2 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024

