

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021122\
 Data File : VW024601.D
 Acq On : 11 Feb 2022 14:04
 Operator : SY/MD
 Sample : N1476-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXZ7

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/14/2022
 Supervised By : Mahesh Dadoda 02/14/2022

Quant Time: Feb 12 03:43:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Feb 12 03:41:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	119459	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	117380	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	60959	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.307	65	41718	4.166	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.400%
7) Chloroethane-d5	1.568	69	38870	4.592	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.111	63	71807	3.278	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.600%
20) 2-Butanone-d5	3.908	46	69329	41.706	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.420%
24) Chloroform-d	4.352	84	83323	4.728	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.037	65	39575	4.949	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	5.053	84	167562	5.031	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
36) 1,2-Dichloropropane-d6	6.069	67	50831	4.907	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.200%
41) Toluene-d8	7.317	98	150178	4.835	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
43) trans-1,3-Dichloroprop...	7.625	79	18687	4.467	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.400%
46) 2-Hexanone-d5	8.088	63	73325	49.754	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.500%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31437	5.097	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	47676	4.852	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%

Target Compounds

						Qvalue
12) 1,1-Dichloroethene	2.121	96	7020	0.568	ug/L #	1
13) Acetone	2.195	43	6862m	5.231	ug/L	
17) Methyl tert-butyl Ether	2.773	73	8370	0.328	ug/L #	91
19) 1,1-Dichloroethane	3.195	63	12229	0.583	ug/L	92
22) cis-1,2-Dichloroethene	3.918	96	24512	2.001	ug/L	98
25) Chloroform	4.387	83	4178m	0.190	ug/L	
29) 1,1,1-Trichloroethane	4.612	97	3471	0.180	ug/L	99
33) Benzene	5.104	78	4405	0.096	ug/L	100
34) Trichloroethene	5.911	95	313521	24.854	ug/L	88
42) Toluene	7.394	91	12226	0.245	ug/L	90
47) Tetrachloroethene	7.976	164	125238	14.965	ug/L	92
52) Ethylbenzene	9.017	91	3801	0.068	ug/L	92
53) m,p-xylene	9.143	106	3662	0.174	ug/L	99
54) o-xylene	9.545	106	2036	0.100	ug/L	83
63) 1,2,4-Trimethylbenzene	10.918	105	3685	0.078	ug/L	93

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

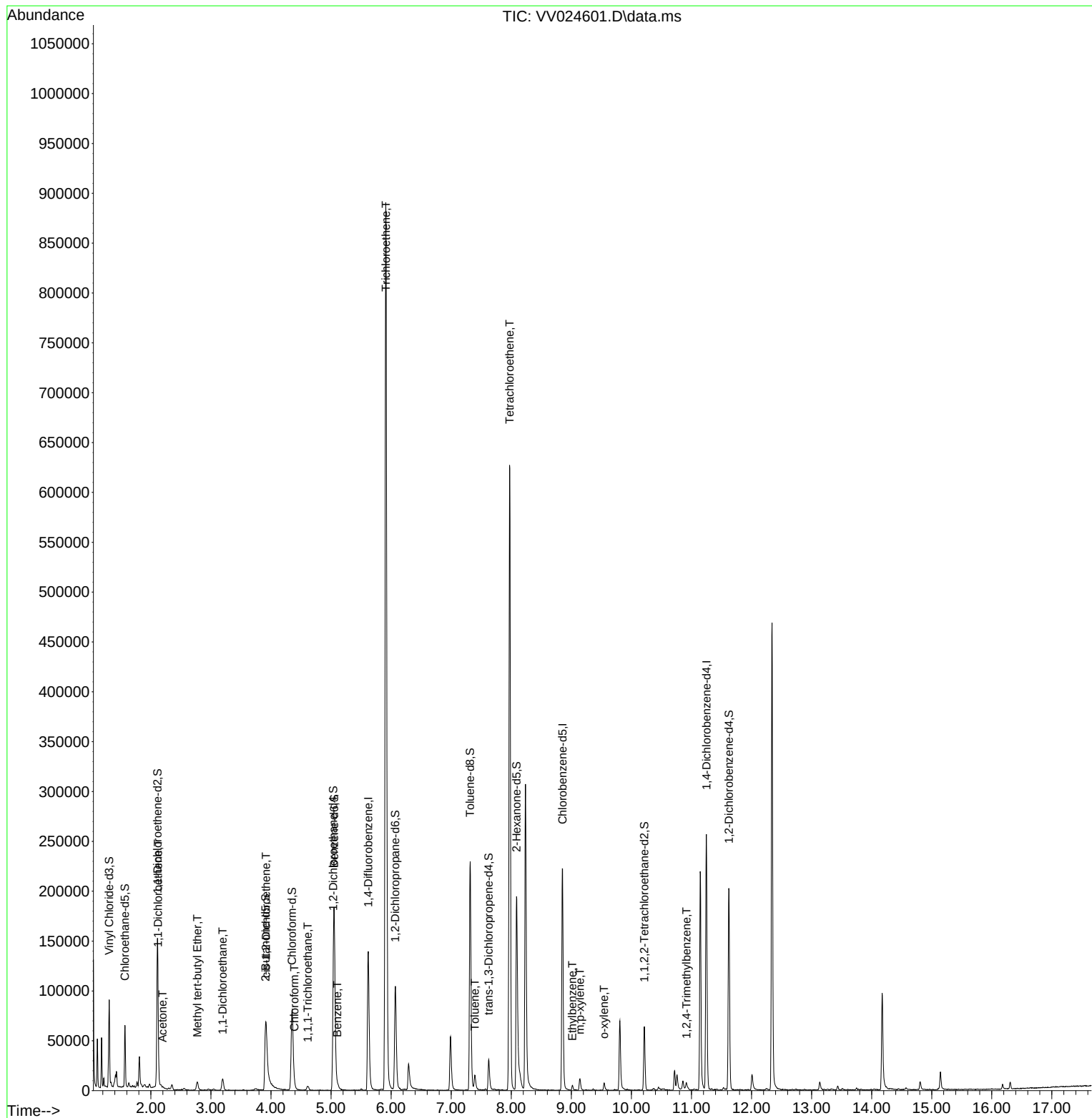
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024601.D
Acq On : 11 Feb 2022 14:04
Operator : SY/MD
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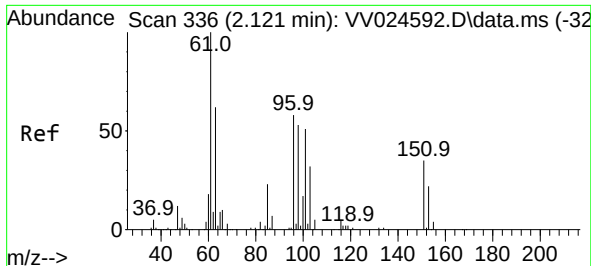
Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

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Quant Time: Feb 12 03:43:34 2022
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Feb 12 03:41:27 2022
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.568 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV024601.D

Acq: 11 Feb 2022 14:04

Instrument :

MSVOA_V

ClientSampleId :

BFXZ7

Tgt Ion: 96 Resp: 7020

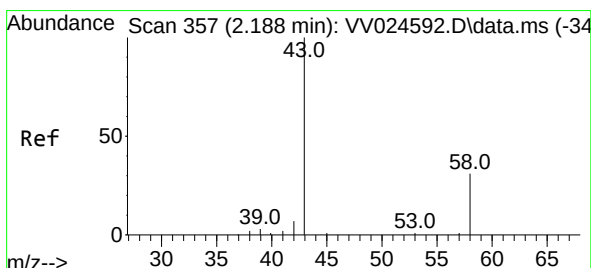
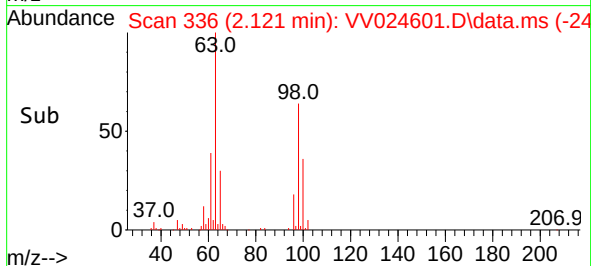
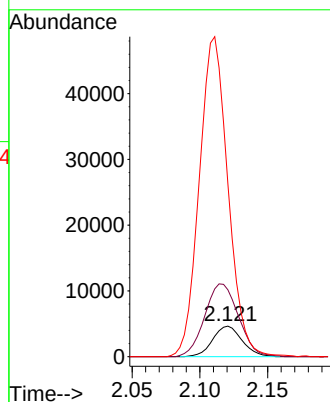
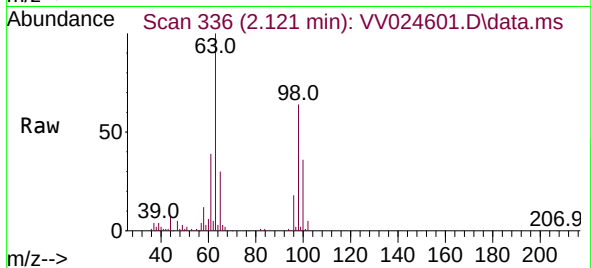
Ion	Ratio	Lower	Upper
96	100		
61	218.8	116.1	215.5
63	565.6	79.4	147.4

Manual Integrations

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Supervised By :Mahesh Dadoda 02/14/2022



#13

Acetone

Concen: 5.231 ug/L m

RT: 2.195 min Scan# 359

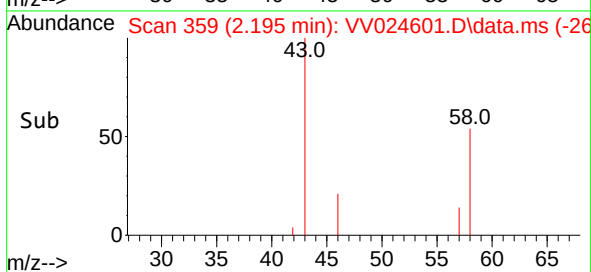
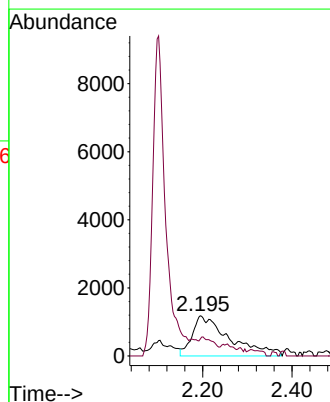
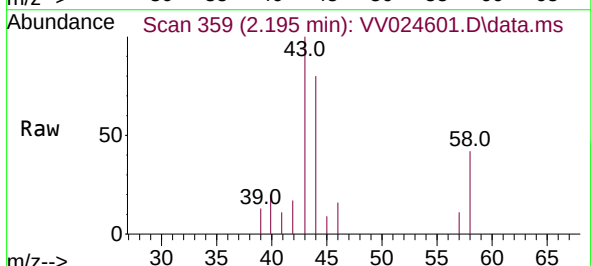
Delta R.T. 0.007 min

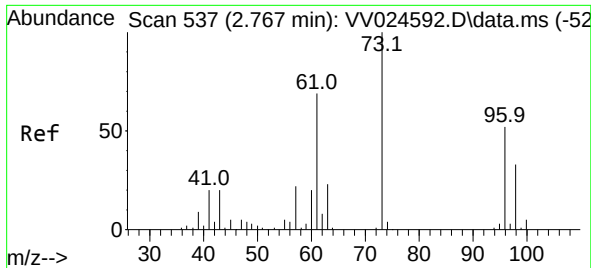
Lab File: VV024601.D

Acq: 11 Feb 2022 14:04

Tgt Ion: 43 Resp: 6862

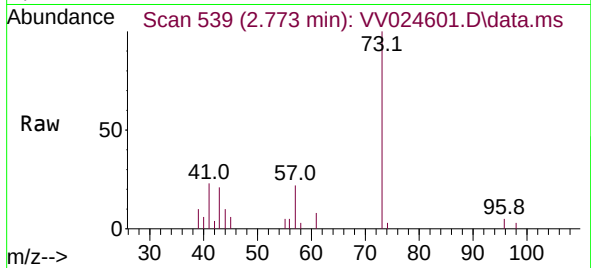
Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	41.4





#17
Methyl tert-butyl Ether
Concen: 0.328 ug/L
RT: 2.773 min Scan# 51
Delta R.T. 0.007 min
Lab File: VV024601.D
Acq: 11 Feb 2022 14:04

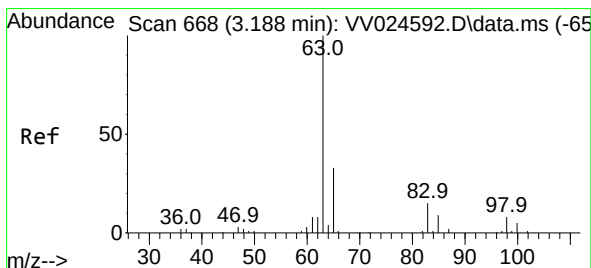
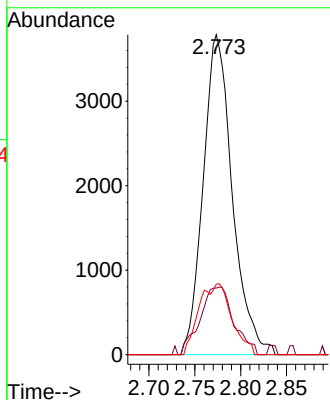
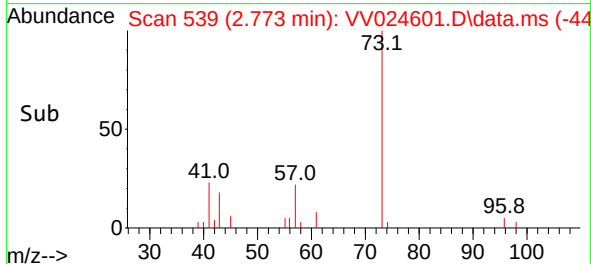
Instrument :
MSVOA_V
ClientSampleId :
BFXZ7



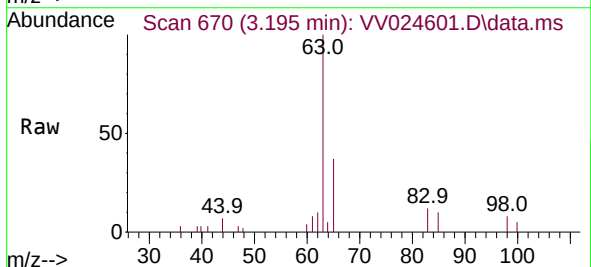
Tgt Ion: 73 Resp: 8370
Ion Ratio Lower Upper
73 100
43 24.4 15.5 23.3
57 25.0 17.1 25.7

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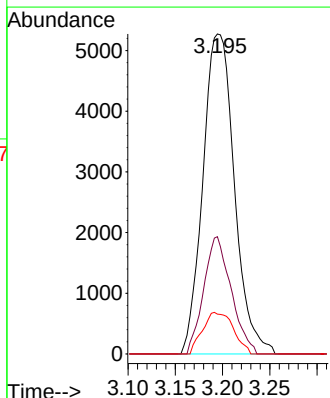
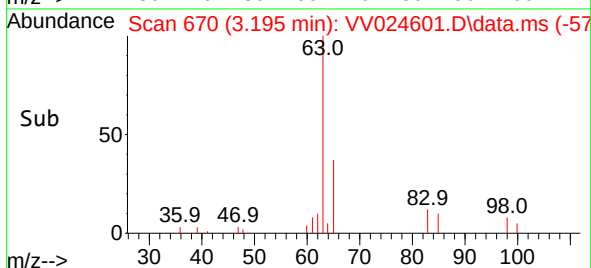
Reviewed By :John Carlone 02/14/2022
Supervised By :Mahesh Dadoda 02/14/2022

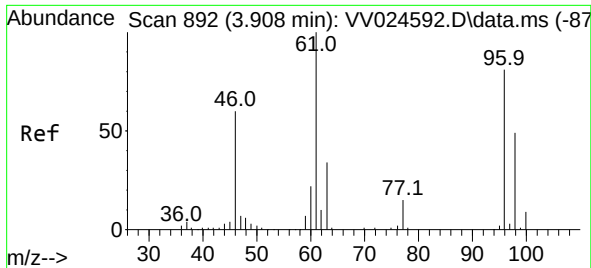


#19
1,1-Dichloroethane
Concen: 0.583 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.006 min
Lab File: VV024601.D
Acq: 11 Feb 2022 14:04



Tgt Ion: 63 Resp: 12229
Ion Ratio Lower Upper
63 100
65 36.6 22.3 41.3
83 12.4 10.7 19.9





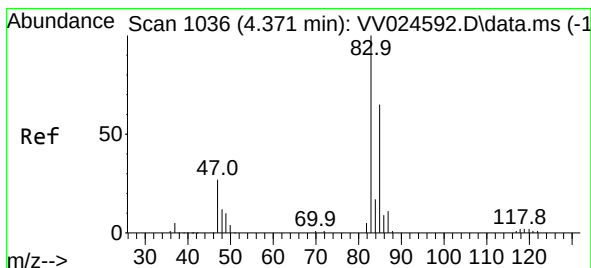
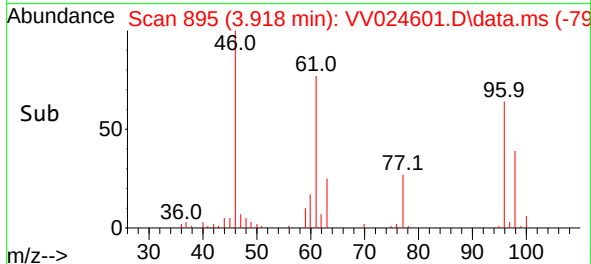
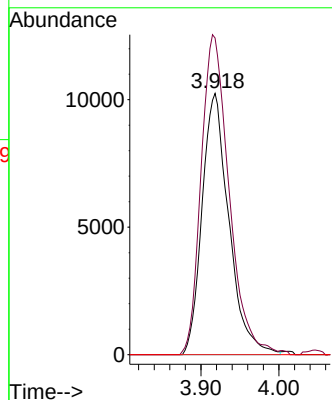
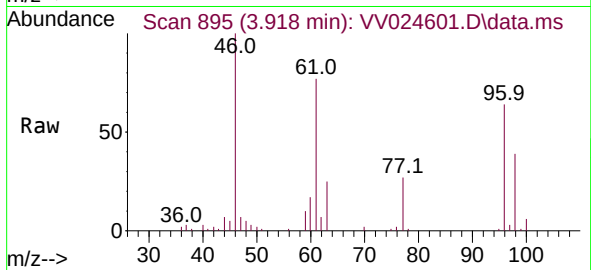
#22
cis-1,2-Dichloroethene
Concen: 2.001 ug/L
RT: 3.918 min Scan# 892
Delta R.T. 0.010 min
Lab File: VV024601.D
Acq: 11 Feb 2022 14:04

Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

Tgt Ion: 96 Resp: 2451
Ion Ratio Lower Upper
96 100
61 121.2 83.4 154.8
68 0.0 0.0 0.0

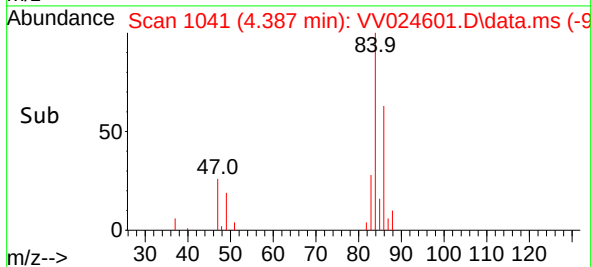
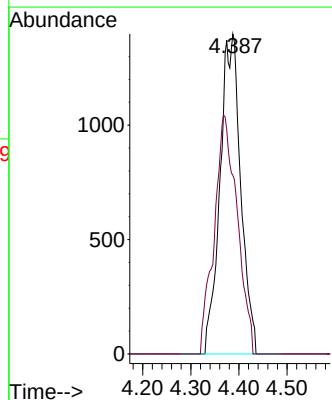
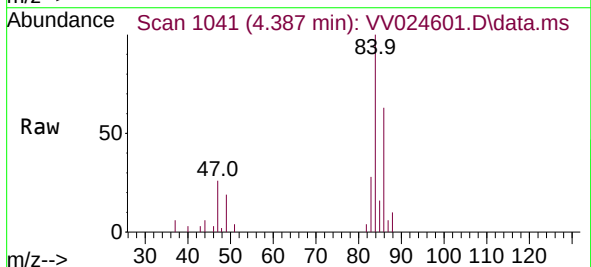
Manual Integrations
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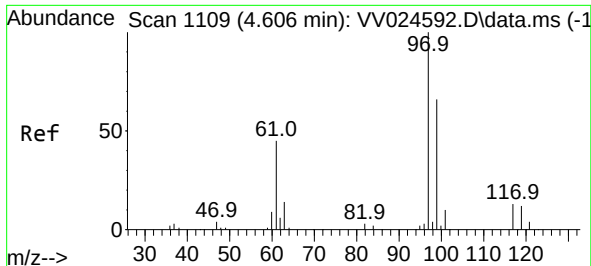
Reviewed By :John Carlone 02/14/2022
Supervised By :Mahesh Dadoda 02/14/2022



#25
Chloroform
Concen: 0.190 ug/L m
RT: 4.387 min Scan# 1041
Delta R.T. 0.016 min
Lab File: VV024601.D
Acq: 11 Feb 2022 14:04

Tgt Ion: 83 Resp: 4178
Ion Ratio Lower Upper
83 100
85 55.8 45.2 84.0





#29

1,1,1-Trichloroethane

Concen: 0.180 ug/L

RT: 4.612 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VV024601.D

Acq: 11 Feb 2022 14:04

Instrument :

MSVOA_V

ClientSampleId :

BFXZ7

Tgt Ion: 97 Resp: 347

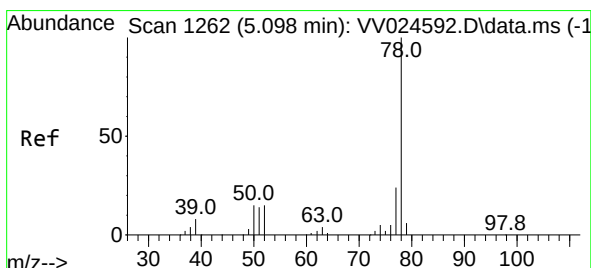
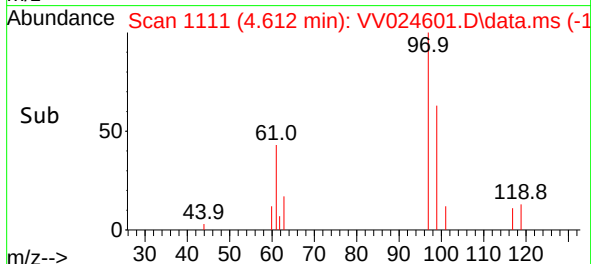
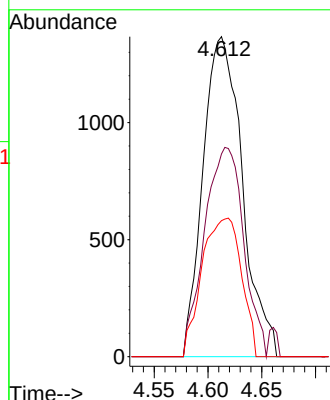
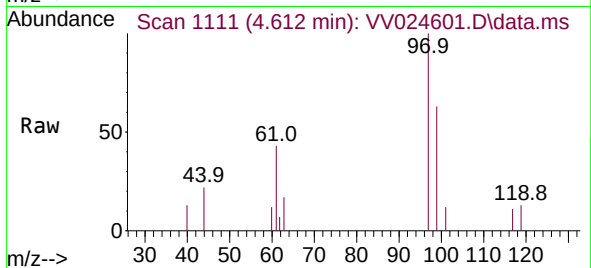
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.9	77.9
61	43.5	33.2	49.8

Manual Integrations

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Reviewed By :John Carlone 02/14/2022

Supervised By :Mahesh Dadoda 02/14/2022



#33

Benzene

Concen: 0.096 ug/L

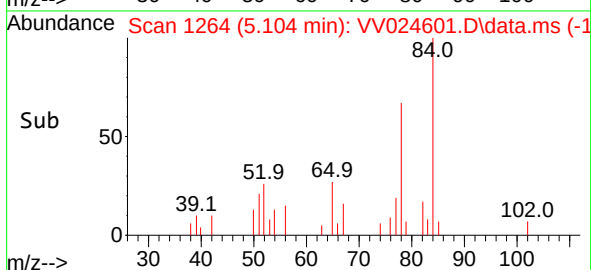
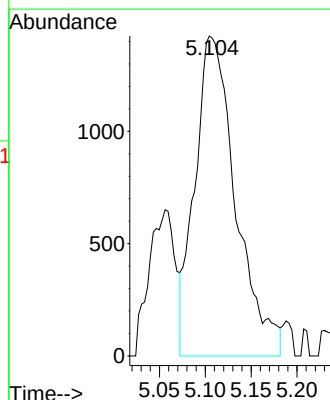
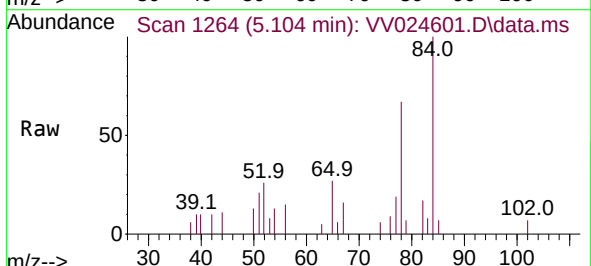
RT: 5.104 min Scan# 1264

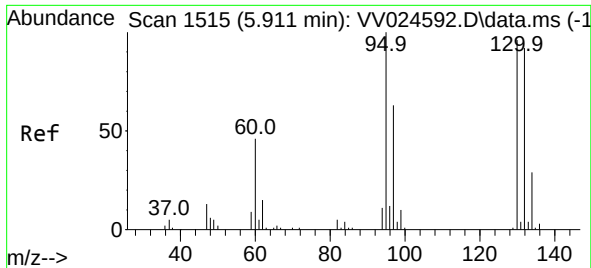
Delta R.T. 0.006 min

Lab File: VV024601.D

Acq: 11 Feb 2022 14:04

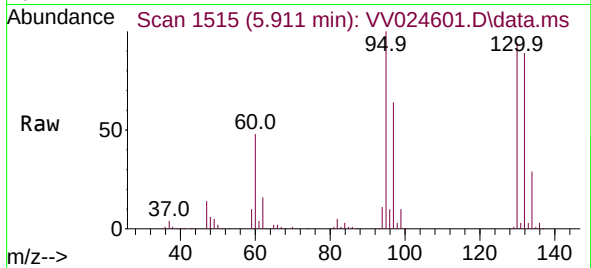
Tgt Ion: 78 Resp: 4405





#34
Trichloroethene
Concen: 24.854 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VV024601.D
Acq: 11 Feb 2022 14:04

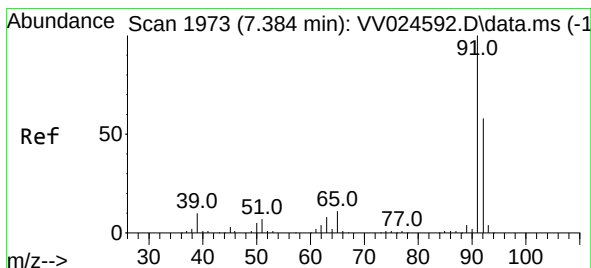
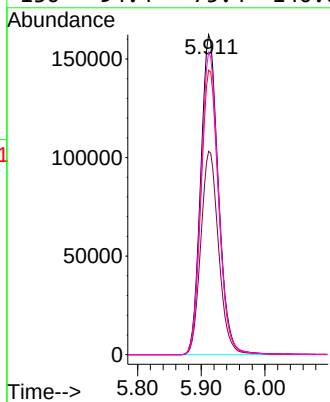
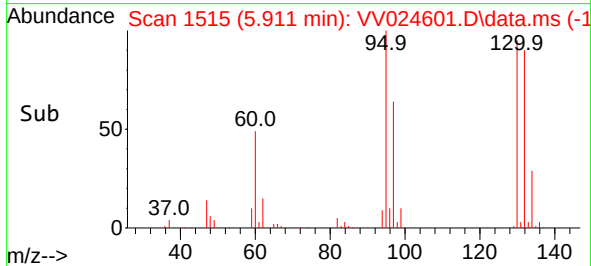
Instrument :
MSVOA_V
ClientSampleId :
BFXZ7



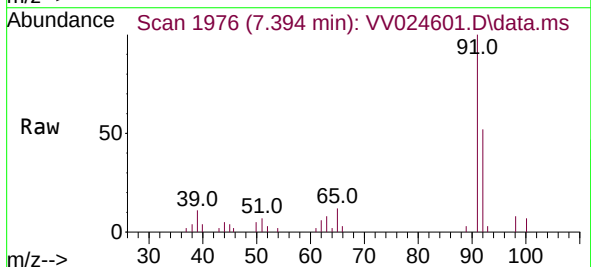
Tgt Ion: 95 Resp: 31352
Ion Ratio Lower Upper
95 100
97 63.5 45.2 84.0
132 88.9 76.1 141.3
130 94.4 75.4 140.0

Manual Integrations
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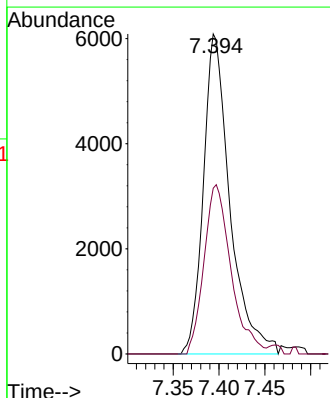
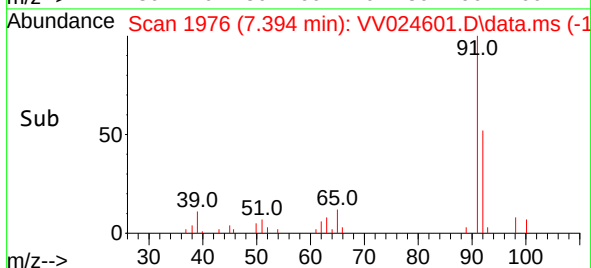
Reviewed By :John Carlone 02/14/2022
Supervised By :Mahesh Dadoda 02/14/2022

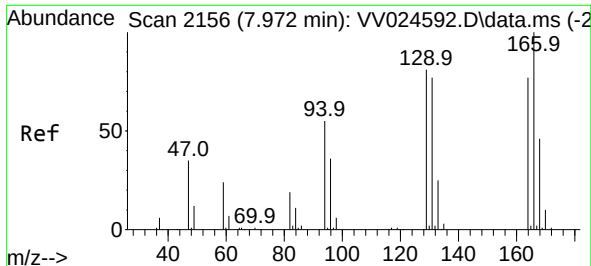


#42
Toluene
Concen: 0.245 ug/L
RT: 7.394 min Scan# 1976
Delta R.T. 0.010 min
Lab File: VV024601.D
Acq: 11 Feb 2022 14:04



Tgt Ion: 91 Resp: 12226
Ion Ratio Lower Upper
91 100
92 51.8 41.5 77.1





#47

Tetrachloroethene

Concen: 14.965 ug/L

RT: 7.976 min Scan# 2156

Delta R.T. 0.003 min

Lab File: VV024601.D

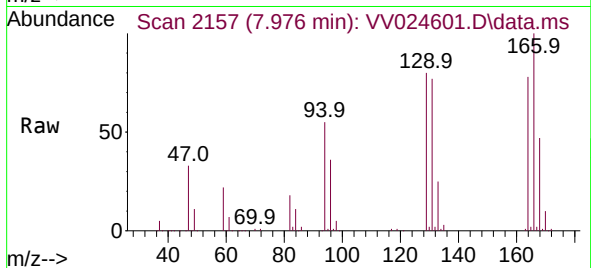
Acq: 11 Feb 2022 14:04

Instrument :

MSVOA_V

ClientSampleId :

BFXZ7



Tgt Ion:164 Resp: 125238

Ion Ratio Lower Upper

164 100

129 102.1 62.6 116.2

131 97.9 61.0 113.4

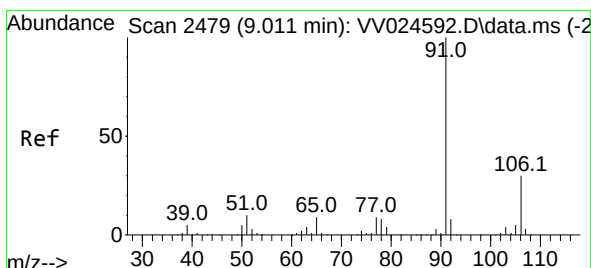
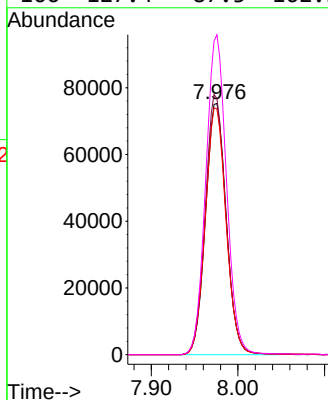
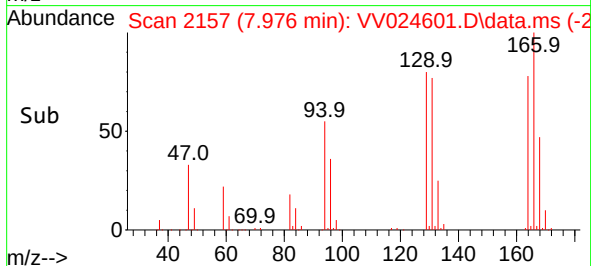
166 127.4 87.3 162.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2022

Supervised By :Mahesh Dadoda 02/14/2022



#52

Ethylbenzene

Concen: 0.068 ug/L

RT: 9.017 min Scan# 2481

Delta R.T. 0.007 min

Lab File: VV024601.D

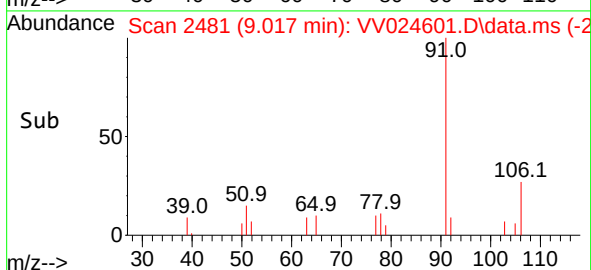
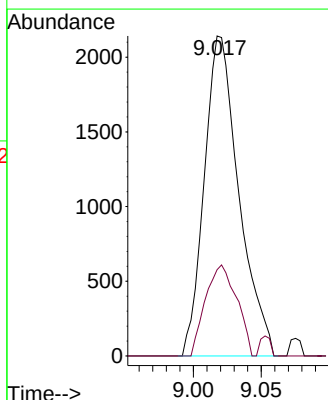
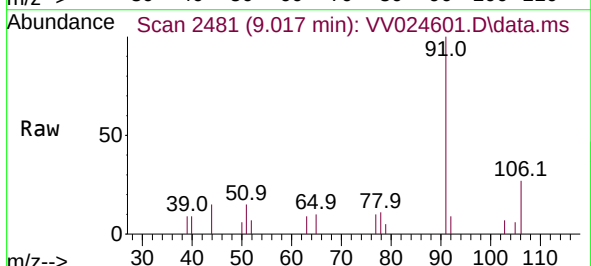
Acq: 11 Feb 2022 14:04

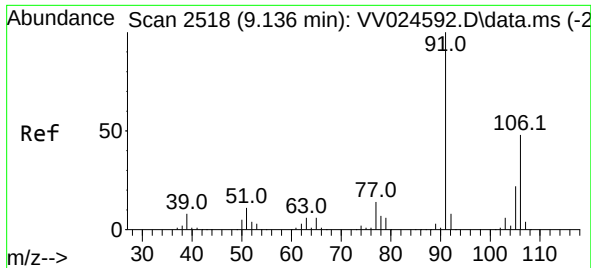
Tgt Ion: 91 Resp: 3801

Ion Ratio Lower Upper

91 100

106 26.9 22.0 41.0





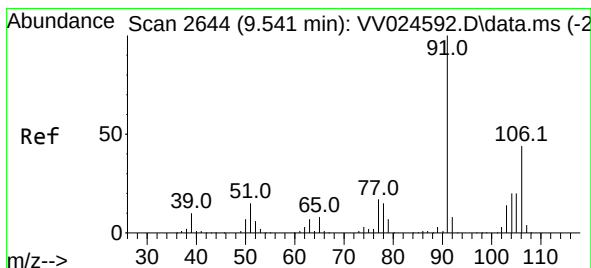
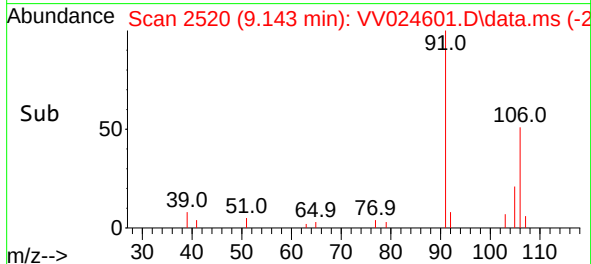
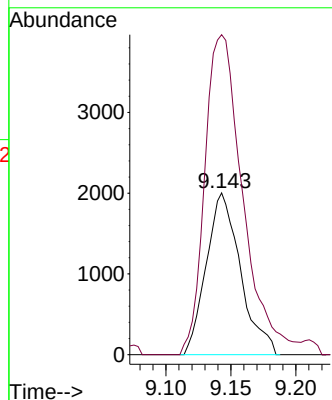
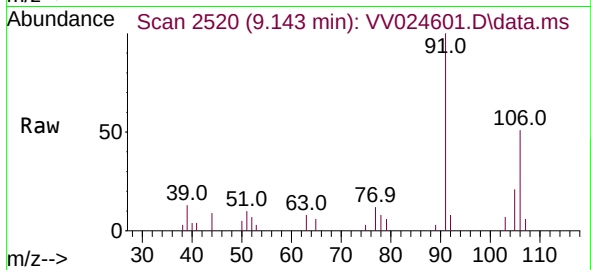
#53
m,p-xylene
Concen: 0.174 ug/L
RT: 9.143 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV024601.D
Acq: 11 Feb 2022 14:04

Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

Tgt Ion:106 Resp: 366
Ion Ratio Lower Upper
106 100
91 197.8 139.5 259.1

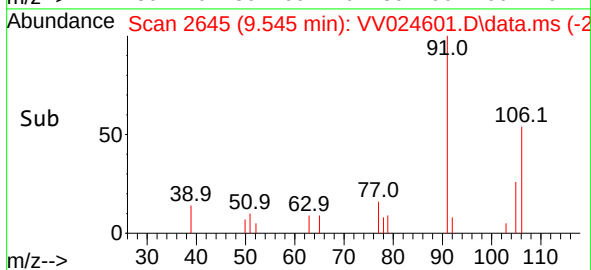
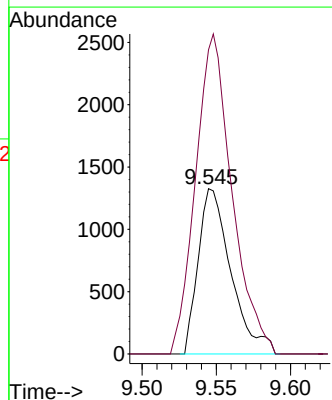
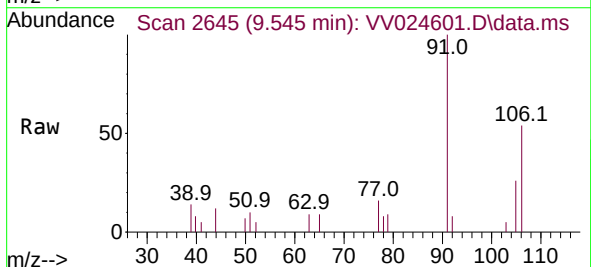
Manual Integrations
APPROVED

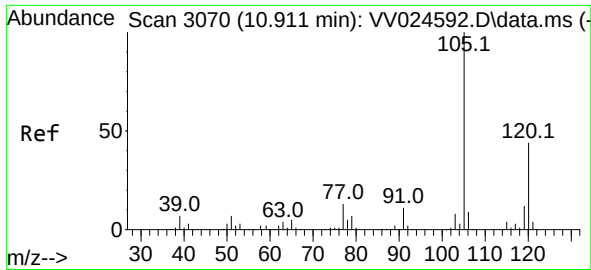
Reviewed By :John Carlone 02/14/2022
Supervised By :Mahesh Dadoda 02/14/2022



#54
o-xylene
Concen: 0.100 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV024601.D
Acq: 11 Feb 2022 14:04

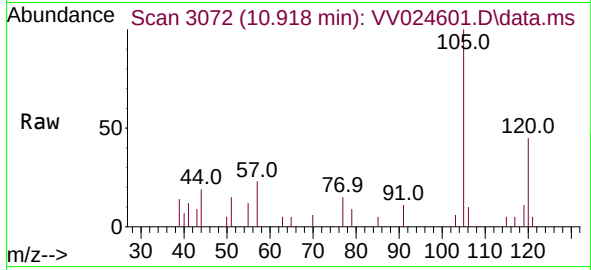
Tgt Ion:106 Resp: 2036
Ion Ratio Lower Upper
106 100
91 183.9 147.9 274.7





#63
 1,2,4-Trimethylbenzene
 Concen: 0.078 ug/L
 RT: 10.918 min Scan# 3072
 Delta R.T. 0.007 min
 Lab File: VV024601.D
 Acq: 11 Feb 2022 14:04

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXZ7



Tgt Ion:105 Resp: 368
 Ion Ratio Lower Upper
 105 100
 120 41.1 36.7 55.1

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/14/2022
 Supervised By :Mahesh Dadoda 02/14/2022

