

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
 Data File : VX036699.D
 Acq On : 28 Jul 2023 12:04
 Operator : JC/MD
 Sample : 03790-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD(JULY)

Quant Time: Jul 28 16:17:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/28/2023
 Supervised By :Mahesh Dadoda 07/31/2023

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

Internal Standards						
1) Bromochloromethane	4.904	128	29209	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	177077	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	158244	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	72967	30.099	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.333%
60) 4-Bromofluorobenzene	11.079	95	76121	29.655	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.867%
63) Toluene-d8	8.653	98	212084	29.125	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.100%
Target Compounds						
					Qvalue	
15) Acetone	2.380	58	503501	1579.152	ug/l	89
16) Carbon Disulfide	2.514	76	3151	0.760	ug/l #	92
18) Methylene Chloride	2.788	84	1560	0.758	ug/l	97
30) 2-Butanone	4.562	43	101858	60.582	ug/l	99
47) n-amyl Acetate	10.854	43	7205m	1.628	ug/l	
58) 4-Methyl-2-Pentanone	8.574	43	19750	6.036	ug/l	98
62) Toluene	8.720	91	4930414	555.306	ug/l	93
66) Ethyl Benzene	10.195	91	4874	0.505	ug/l	96
67) m/p-Xylenes	10.299	106	4242	1.128	ug/l	95
68) o-Xylene	10.640	106	1746	0.468	ug/l	93
80) 1,2,4-Trimethylbenzene	11.750	105	14406m	1.820	ug/l	
82) p-Isopropyltoluene	12.012	119	38118	4.799	ug/l	98

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

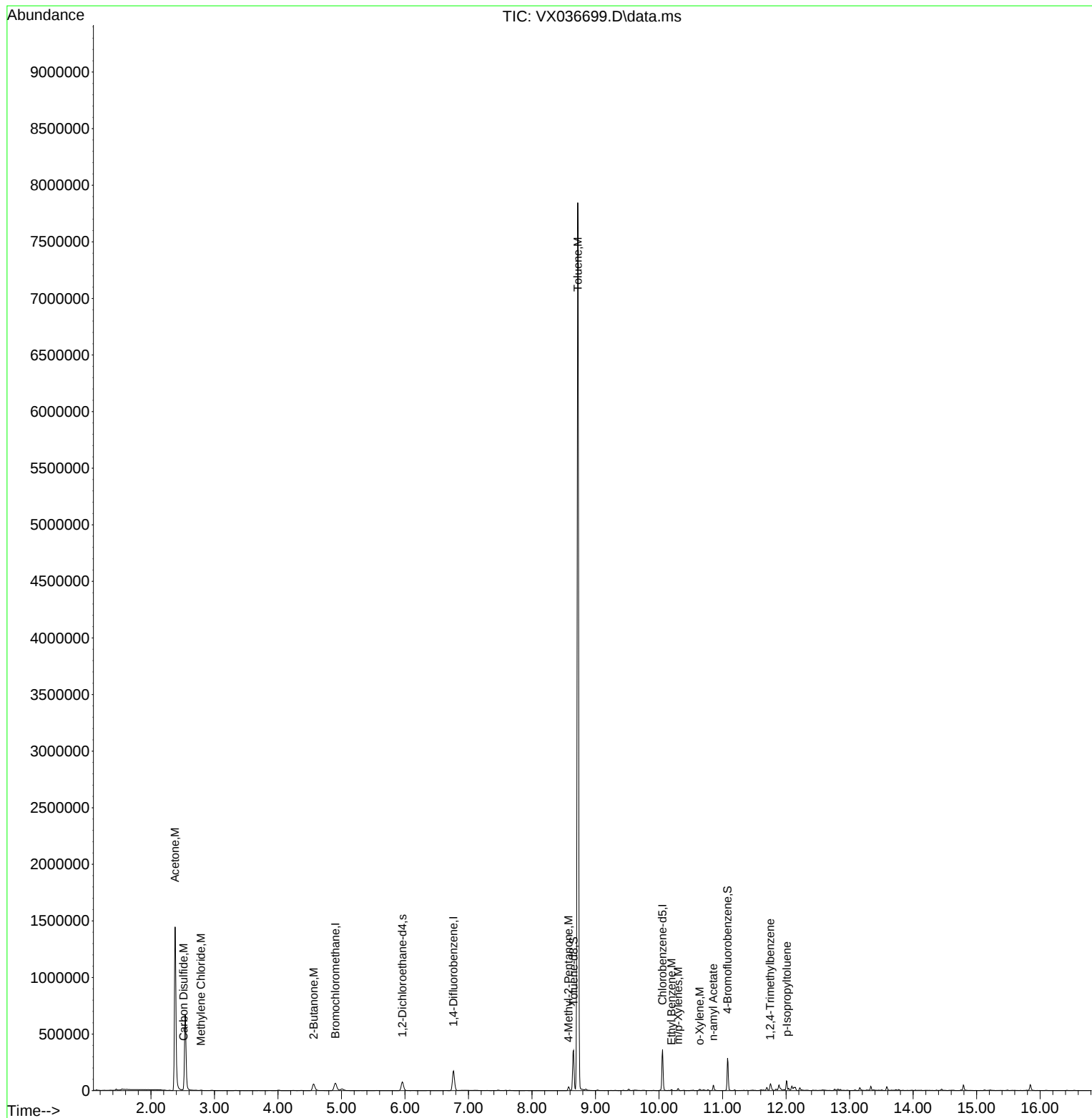
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
Data File : VX036699.D
Acq On : 28 Jul 2023 12:04
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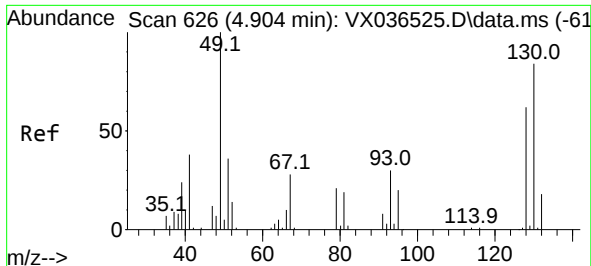
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)

Quant Time: Jul 28 16:17:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 14 04:32:22 2023
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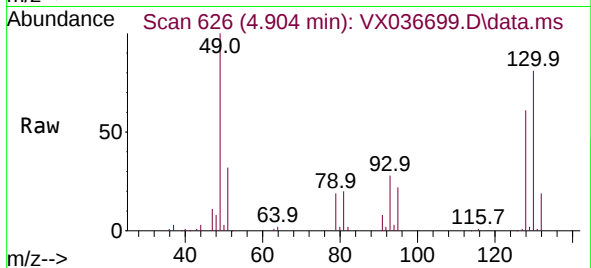
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX036699.D
Acq: 28 Jul 2023 12:04

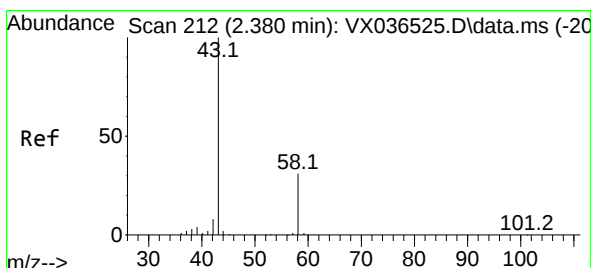
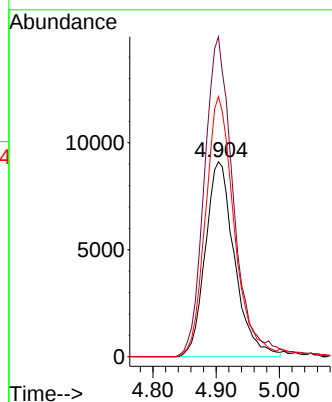
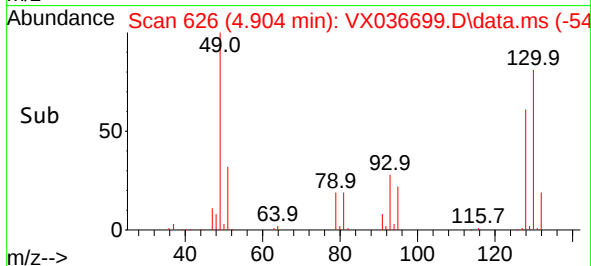
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)



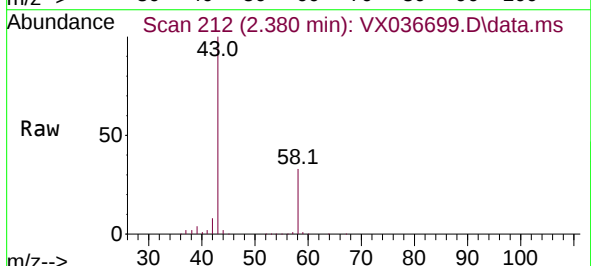
Tgt Ion:128 Resp: 29209
Ion Ratio Lower Upper
128 100
49 159.6 0.0 406.3
130 131.0 0.0 328.0

Manual Integrations
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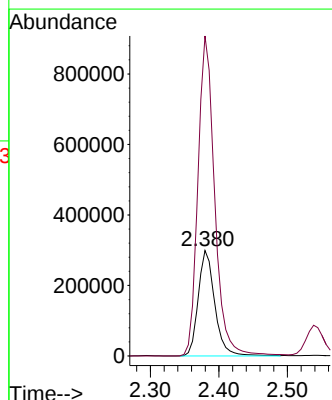
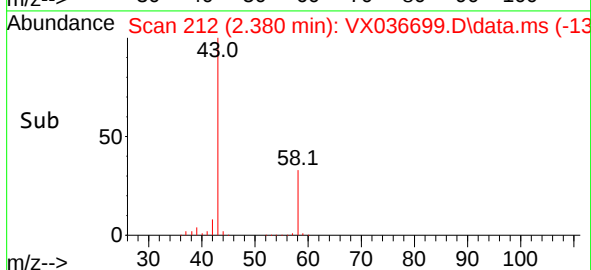
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

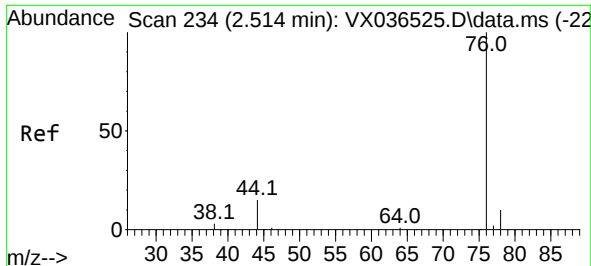


#15
Acetone
Concen: 1579.152 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX036699.D
Acq: 28 Jul 2023 12:04



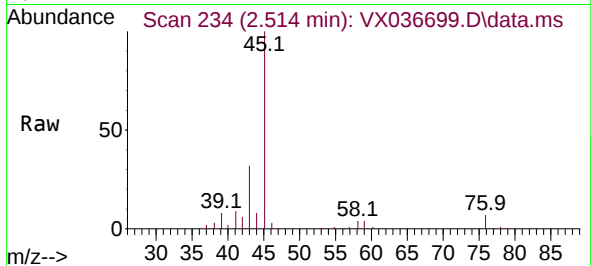
Tgt Ion: 58 Resp: 503501
Ion Ratio Lower Upper
58 100
43 303.5 261.0 391.4





#16
Carbon Disulfide
Concen: 0.760 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036699.D
Acq: 28 Jul 2023 12:04

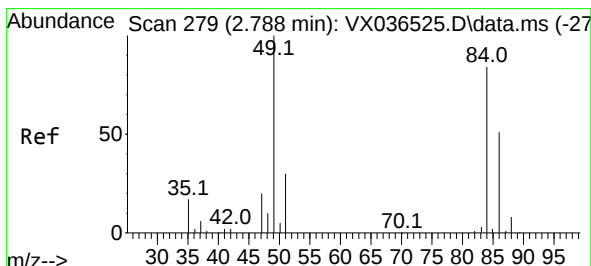
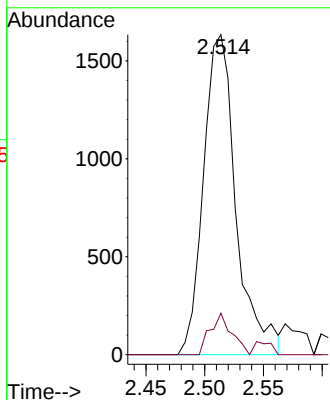
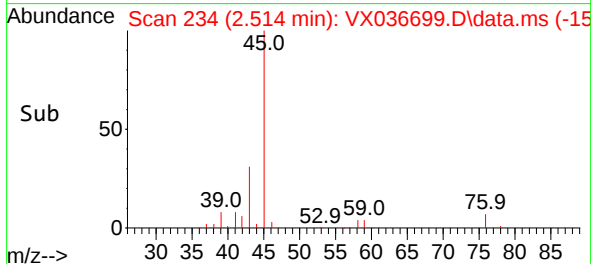
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)



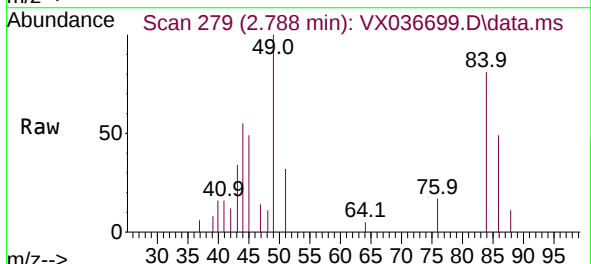
Tgt Ion: 76 Resp: 315
Ion Ratio Lower Upper
76 100
78 13.0 8.0 12.0

Manual Integrations
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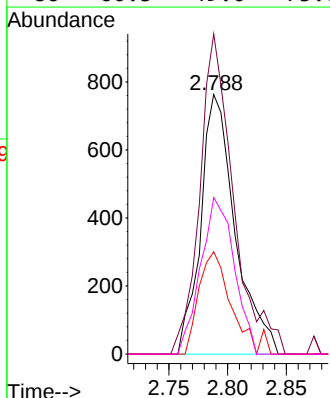
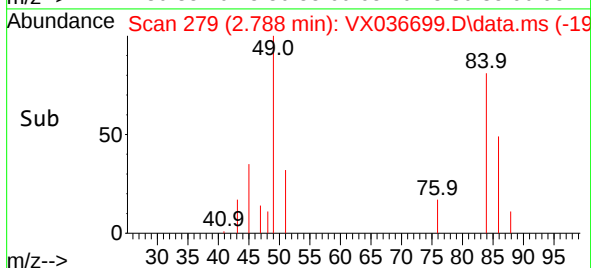
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

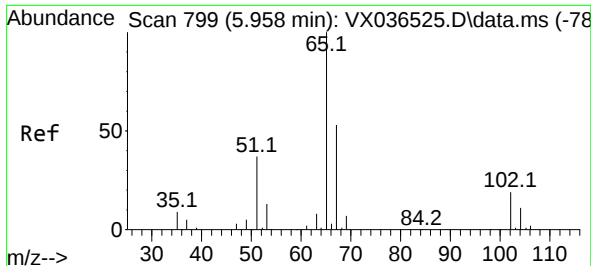


#18
Methylene Chloride
Concen: 0.758 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036699.D
Acq: 28 Jul 2023 12:04



Tgt Ion: 84 Resp: 1560
Ion Ratio Lower Upper
84 100
49 116.0 95.4 143.0
51 39.4 28.3 42.5
86 60.3 49.0 73.6





#27

1,2-Dichloroethane-d4

Concen: 30.099 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX036699.D

Acq: 28 Jul 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JULY)

Tgt Ion: 65 Resp: 7296

Ion Ratio Lower Upper

65 100

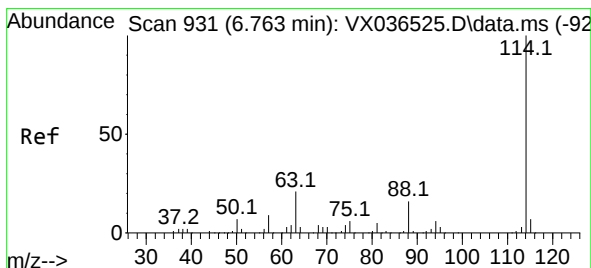
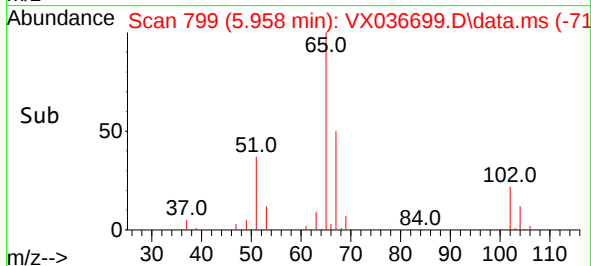
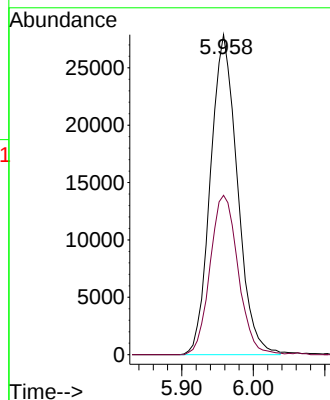
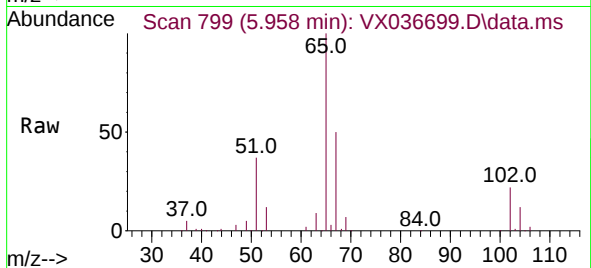
67 51.8 42.1 63.1

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX036699.D

Acq: 28 Jul 2023 12:04

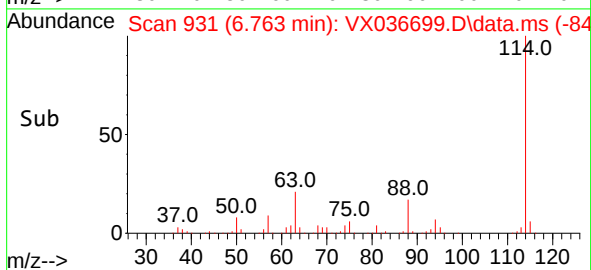
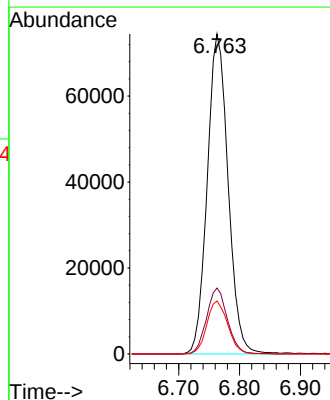
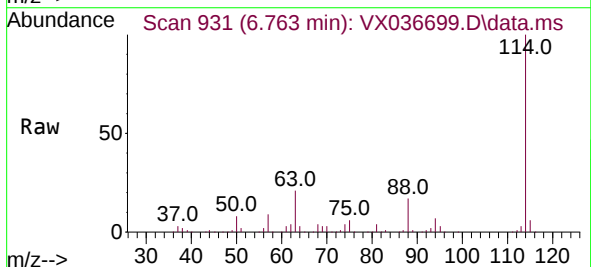
Tgt Ion:114 Resp: 177077

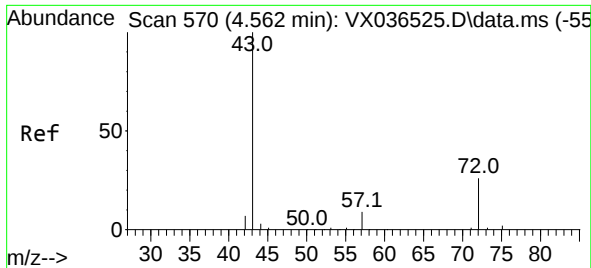
Ion Ratio Lower Upper

114 100

63 20.5 16.6 24.8

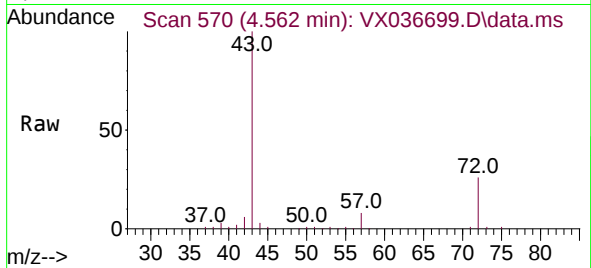
88 16.6 12.9 19.3





#30
2-Butanone
Concen: 60.582 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX036699.D
Acq: 28 Jul 2023 12:04

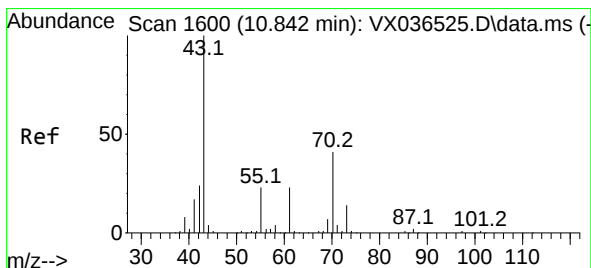
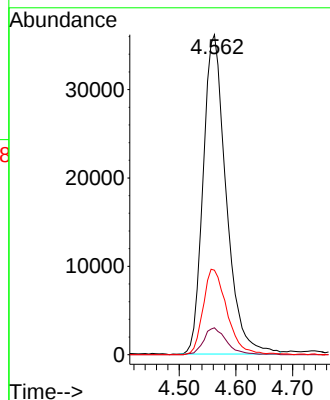
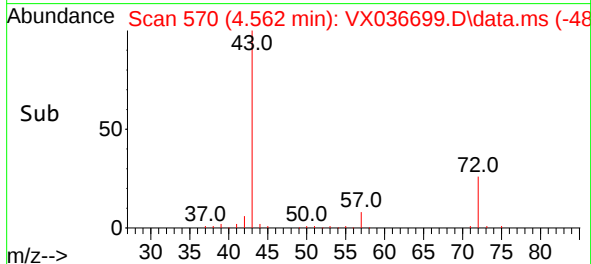
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)



Tgt Ion: 43 Resp: 101858
Ion Ratio Lower Upper
43 100
57 8.4 6.4 9.6
72 27.6 21.6 32.4

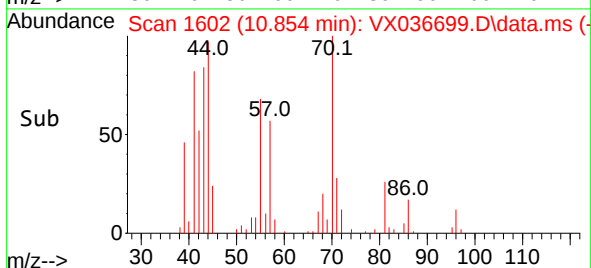
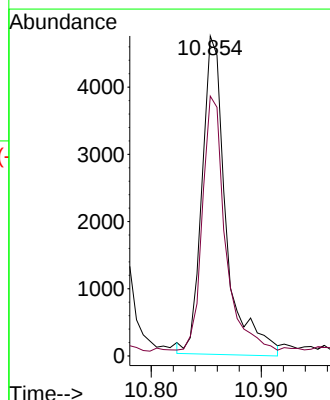
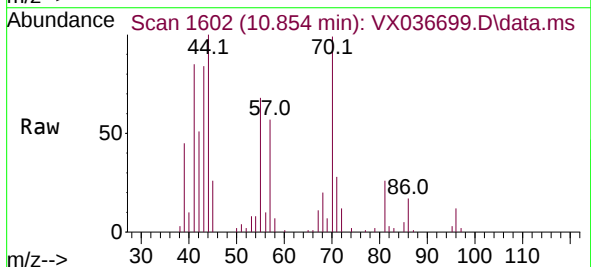
Manual Integrations
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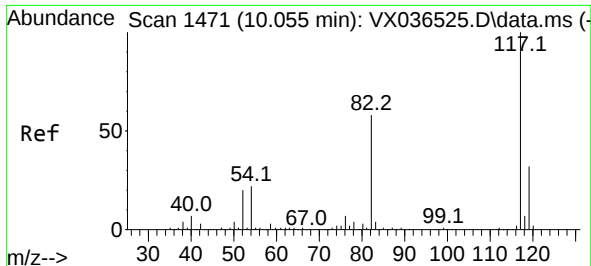
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#47
n-amy1 Acetate
Concen: 1.628 ug/l m
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX036699.D
Acq: 28 Jul 2023 12:04

Tgt Ion: 43 Resp: 7205
Ion Ratio Lower Upper
43 100
55 4.8 18.6 28.0#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX036699.D

Acq: 28 Jul 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JULY)

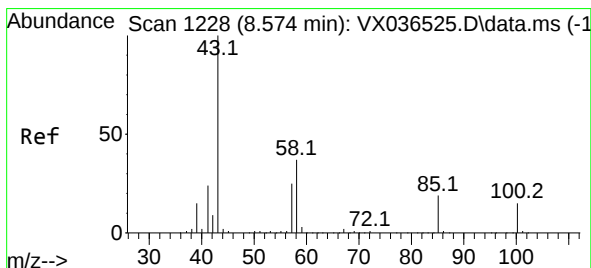
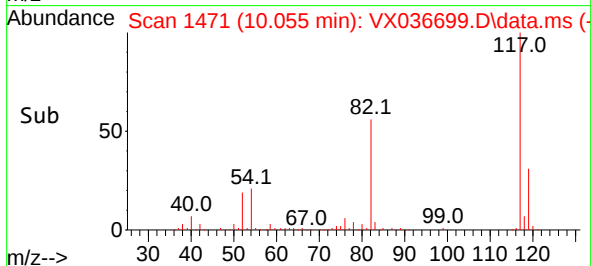
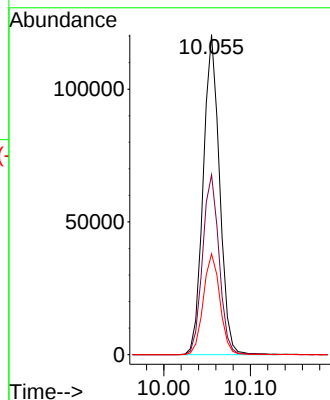
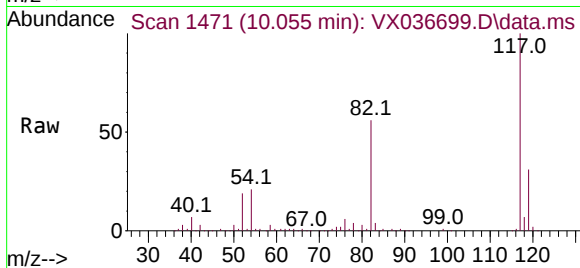
Tgt Ion:117 Resp: 158244
 Ion Ratio Lower Upper
 117 100
 82 56.8 44.7 67.1
 119 31.9 25.6 38.4

Manual Integrations

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#58

4-Methyl-2-Pentanone

Concen: 6.036 ug/l

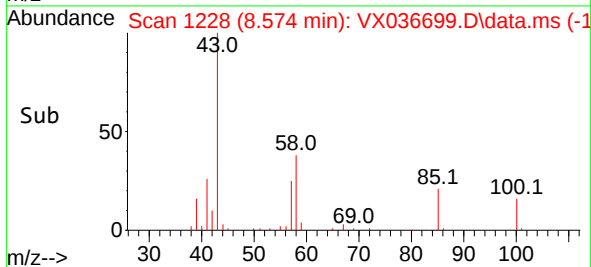
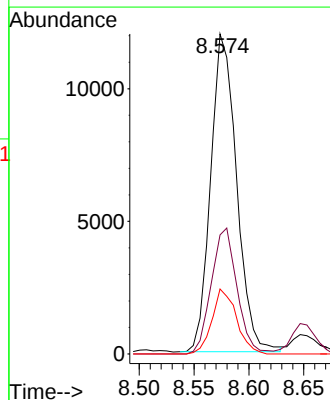
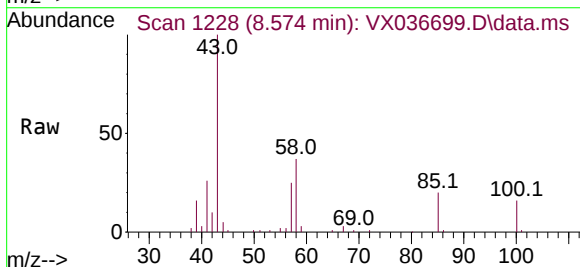
RT: 8.574 min Scan# 1228

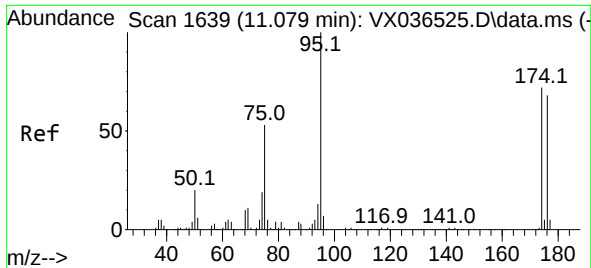
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Lab File: VX036699.D

Acq: 28 Jul 2023 12:04

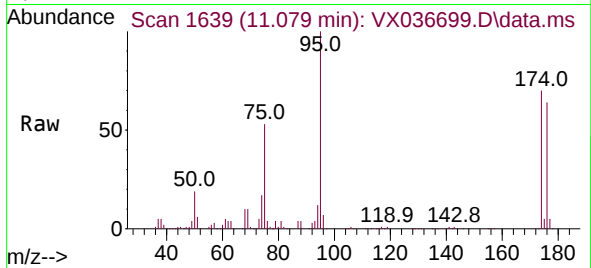
Tgt Ion: 43 Resp: 19750
 Ion Ratio Lower Upper
 43 100
 58 39.4 30.9 46.3
 85 19.3 14.4 21.6





#60
4-Bromofluorobenzene
Concen: 29.655 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036699.D
Acq: 28 Jul 2023 12:04

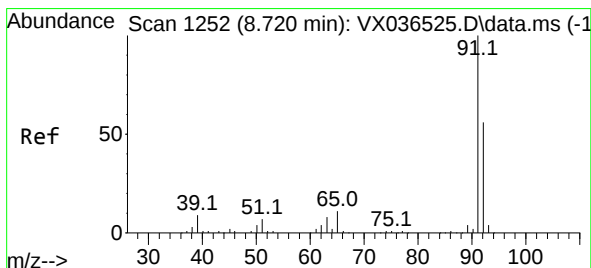
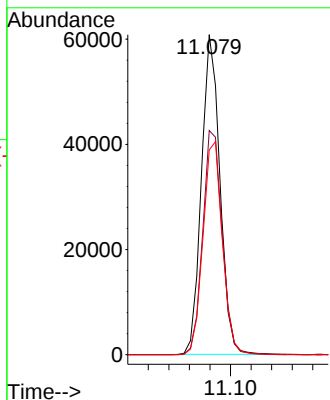
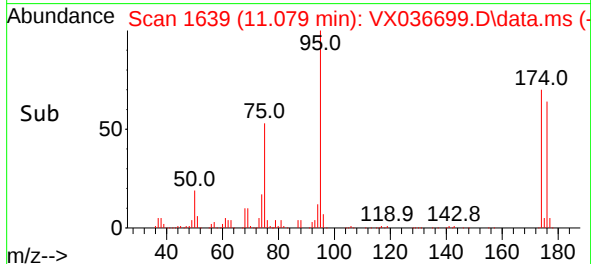
Instrument : MSVOA_X
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Tgt Ion: 95 Resp: 7612
Ion Ratio Lower Upper
95 100
174 73.8 60.5 90.7
176 70.0 58.2 87.4

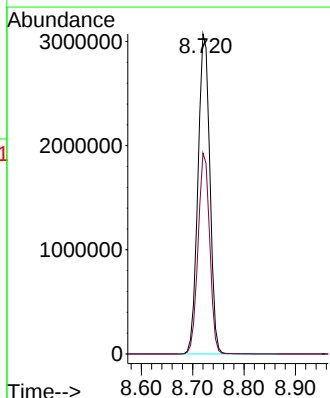
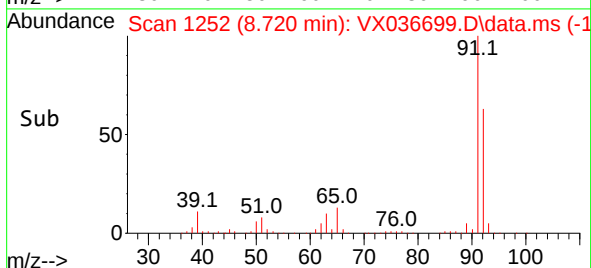
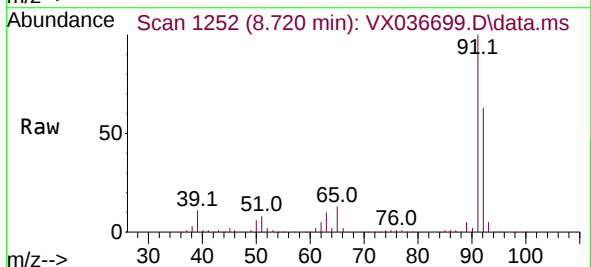
Manual Integrations
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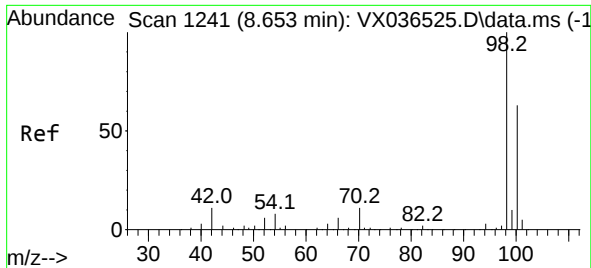
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#62
Toluene
Concen: 555.306 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036699.D
Acq: 28 Jul 2023 12:04

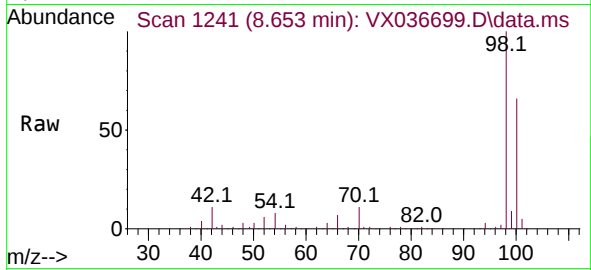
Tgt Ion: 91 Resp: 4930414
Ion Ratio Lower Upper
91 100
92 61.4 44.9 67.3





#63
Toluene-d8
Concen: 29.125 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036699.D
Acq: 28 Jul 2023 12:04

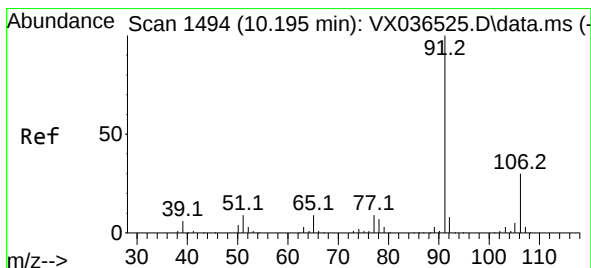
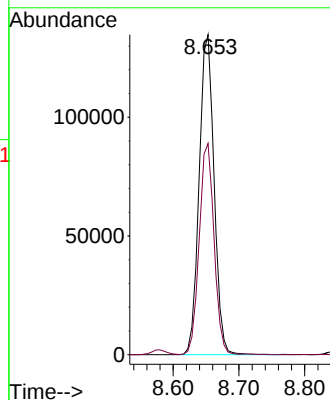
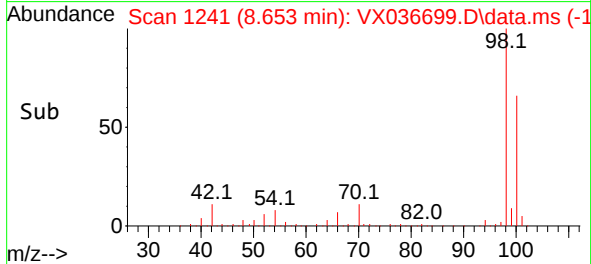
Instrument :
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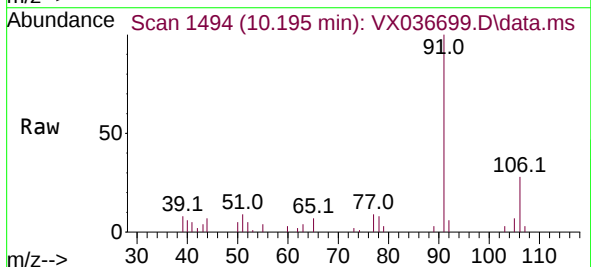
Tgt Ion: 98 Resp: 212084
Ion Ratio Lower Upper
98 100
100 65.3 51.6 77.4

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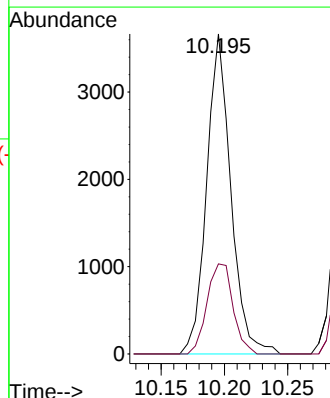
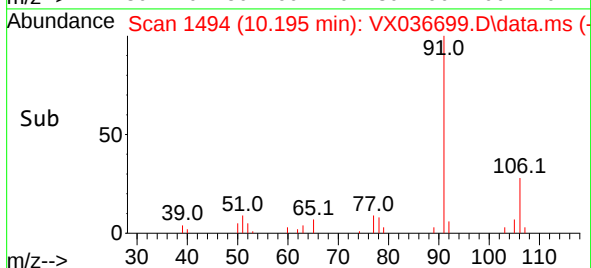
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

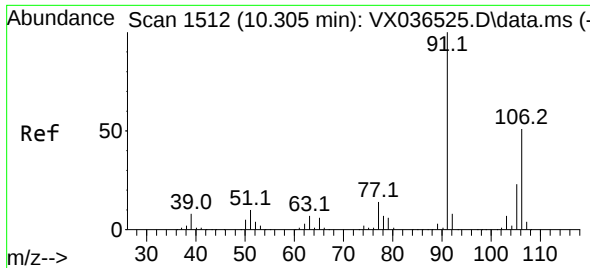


#66
Ethyl Benzene
Concen: 0.505 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX036699.D
Acq: 28 Jul 2023 12:04



Tgt Ion: 91 Resp: 4874
Ion Ratio Lower Upper
91 100
106 28.2 24.2 36.4





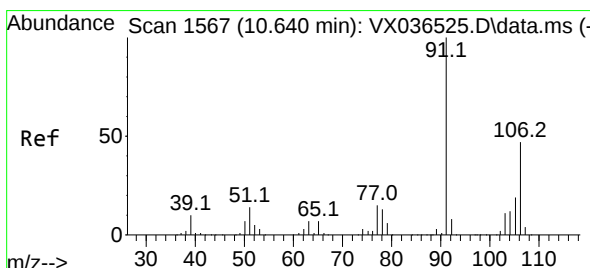
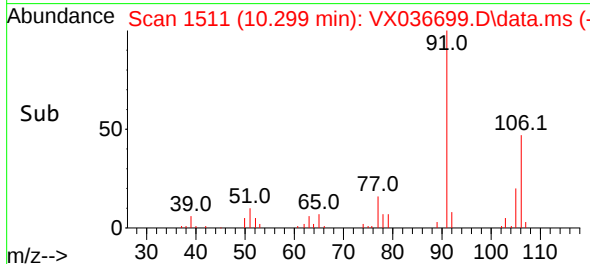
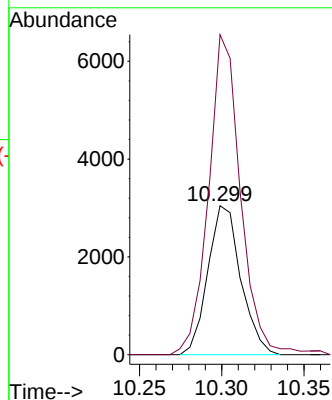
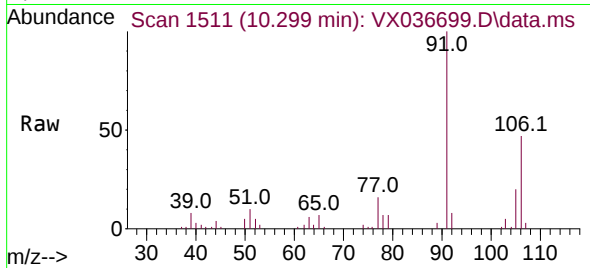
#67
m/p-Xylenes
Concen: 1.128 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX036699.D
Acq: 28 Jul 2023 12:04

Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)

Tgt Ion:106 Resp: 424
Ion Ratio Lower Upper
106 100
91 208.0 160.5 240.7

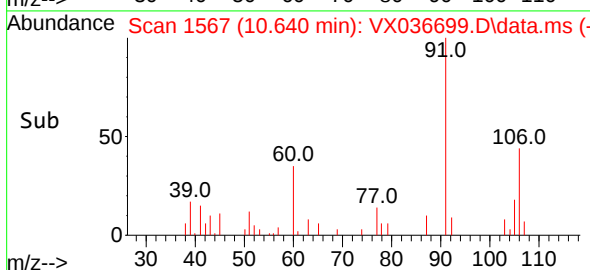
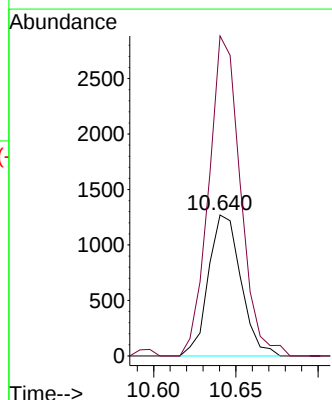
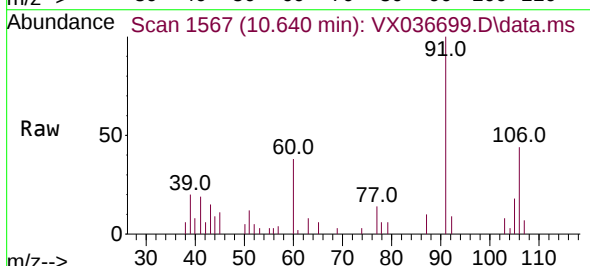
Manual Integrations
APPROVED

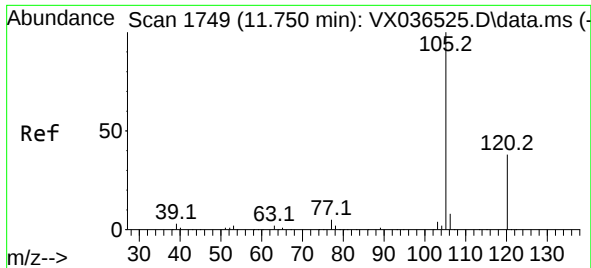
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#68
o-Xylene
Concen: 0.468 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX036699.D
Acq: 28 Jul 2023 12:04

Tgt Ion:106 Resp: 1746
Ion Ratio Lower Upper
106 100
91 221.6 105.4 316.1





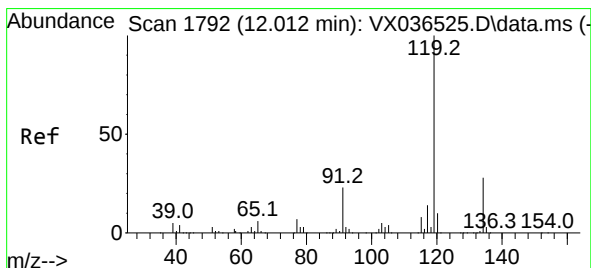
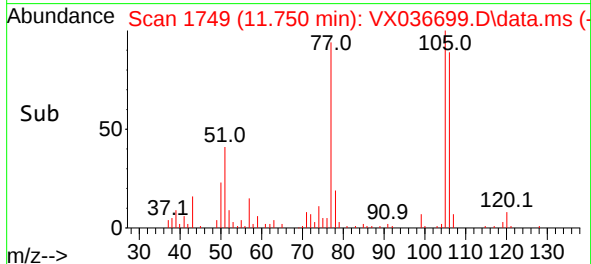
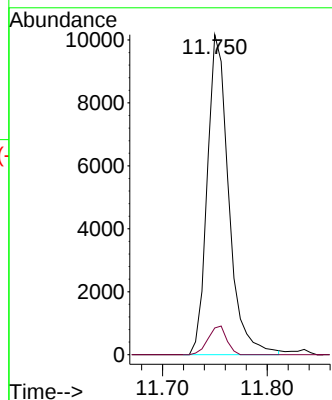
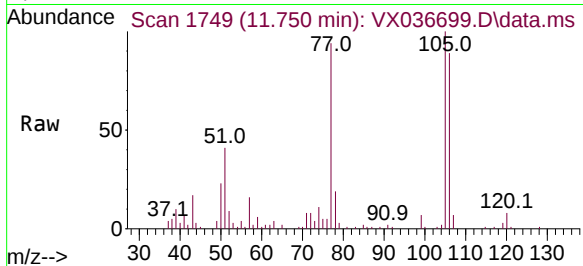
#80
1,2,4-Trimethylbenzene
Concen: 1.820 ug/l m
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX036699.D
Acq: 28 Jul 2023 12:04

Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)

Tgt Ion:105 Resp: 14400
Ion Ratio Lower Upper
105 100
120 0.0 0.0 90.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#82
p-Isopropyltoluene
Concen: 4.799 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX036699.D
Acq: 28 Jul 2023 12:04

Tgt Ion:119 Resp: 38118
Ion Ratio Lower Upper
119 100
134 25.3 0.0 53.2
91 25.8 0.0 49.4

