

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071423\
 Data File : VX036544.D
 Acq On : 13 Jul 2023 22:37
 Operator : JC/MD
 Sample : 03593-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jul 14 04:39:39 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 07/14/2023
 Supervised By :Semsettin Yesilyurt 07/14/2023

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

Internal Standards						
1) Bromochloromethane	4.897	128	31543m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	159814	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	149081	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	73922	28.236	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.133%		
60) 4-Bromofluorobenzene	11.079	95	68271	28.232	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.100%		
63) Toluene-d8	8.646	98	200253	29.191	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.300%		
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.702	43	9971	2.298	ug/l	95
15) Acetone	2.385	58	268130	778.722	ug/l	94
16) Carbon Disulfide	2.513	76	4049	0.904	ug/l #	93
18) Methylene Chloride	2.794	84	1441	0.648	ug/l #	73
30) 2-Butanone	4.562	43	86819	57.215	ug/l	99
58) 4-Methyl-2-Pentanone	8.573	43	16350	5.304	ug/l	96
62) Toluene	8.720	91	1935900	231.439	ug/l	98
66) Ethyl Benzene	10.195	91	1974	0.217	ug/l #	84
67) m/p-Xylenes	10.299	106	1353	0.382	ug/l	97
80) 1,2,4-Trimethylbenzene	11.756	105	7367	0.988	ug/l	48
82) p-Isopropyltoluene	12.006	119	8466	1.131	ug/l	100
91) Naphthalene	13.774	128	3025	0.338	ug/l #	97

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

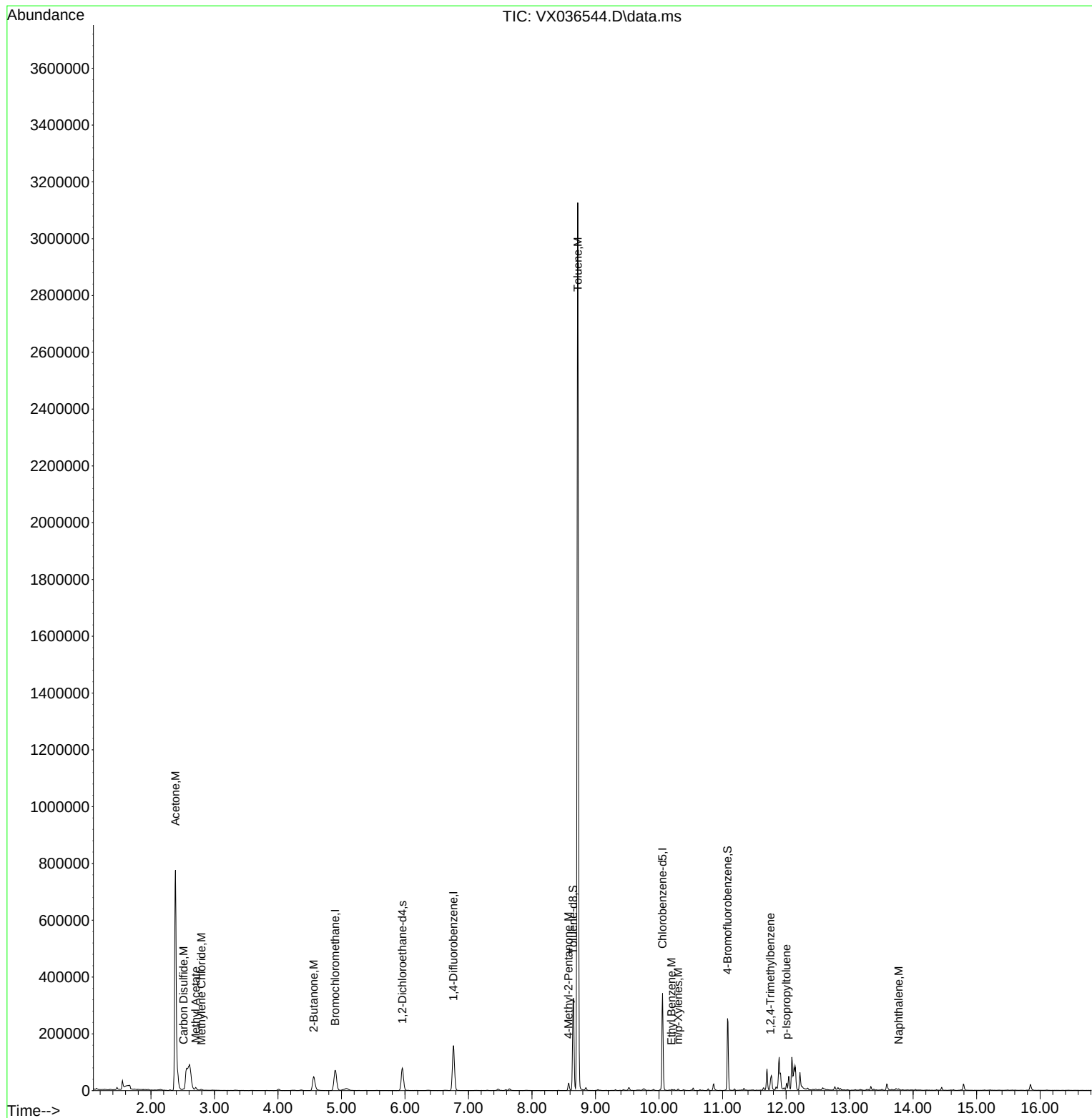
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071423\
Data File : VX036544.D
Acq On : 13 Jul 2023 22:37
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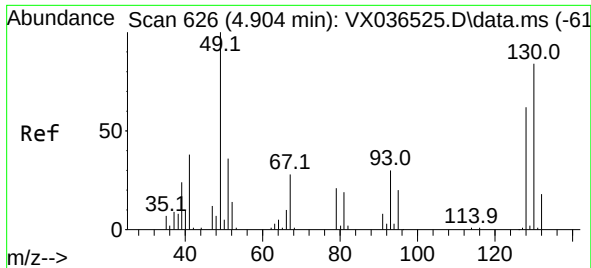
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

Quant Time: Jul 14 04:39:39 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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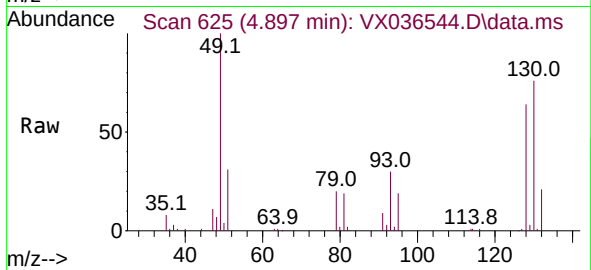
Reviewed By :John Carlone 07/14/2023
Supervised By :Semsettin Yesilyurt 07/14/2023





#1
Bromochloromethane
Concen: 30.000 ug/l m
RT: 4.897 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX036544.D
Acq: 13 Jul 2023 22:37

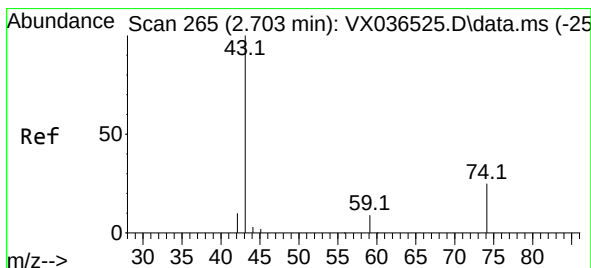
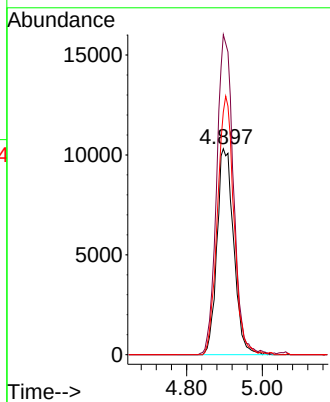
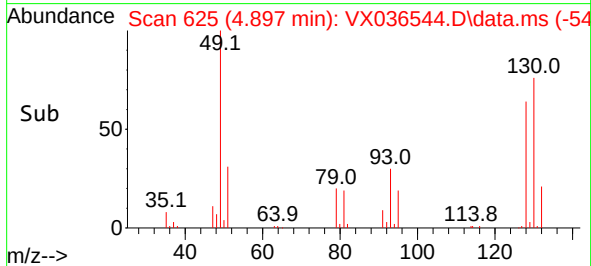
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion:128 Resp: 3154
Ion Ratio Lower Upper
128 100
49 155.1 0.0 406.3
130 123.2 0.0 328.0

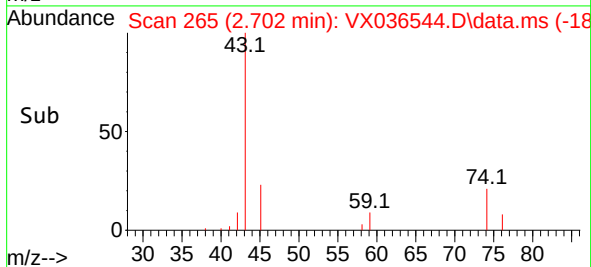
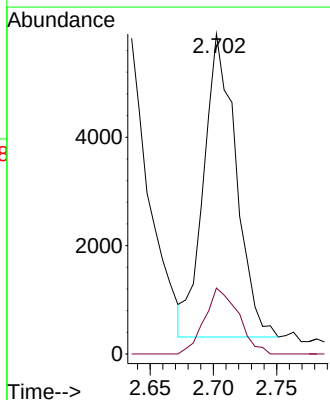
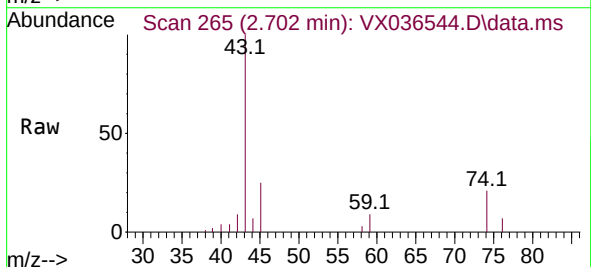
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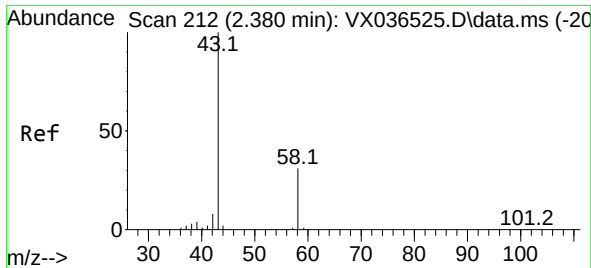
Reviewed By :John Carlone 07/14/2023
Supervised By :Semsettin Yesilyurt 07/14/2023



#12
Methyl Acetate
Concen: 2.298 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX036544.D
Acq: 13 Jul 2023 22:37

Tgt Ion: 43 Resp: 9971
Ion Ratio Lower Upper
43 100
74 23.0 20.3 30.5





#15

Acetone

Concen: 778.722 ug/l

RT: 2.385 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX036544.D

Acq: 13 Jul 2023 22:37

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

Tgt Ion: 58 Resp: 268130

Ion Ratio Lower Upper

58 100

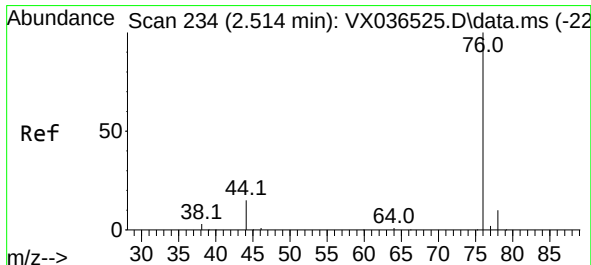
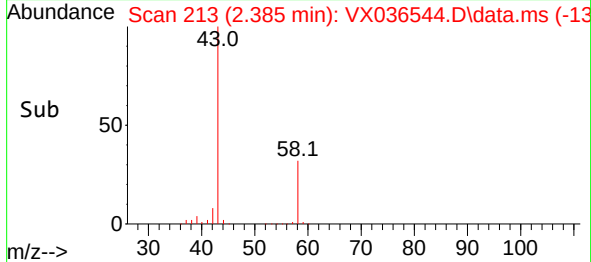
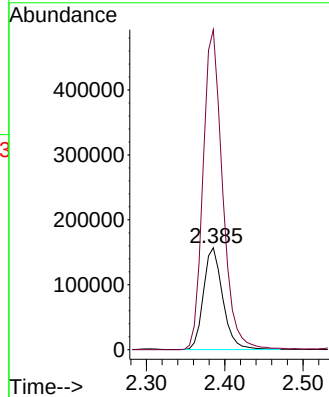
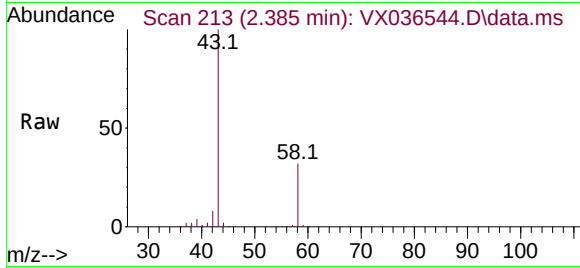
43 314.2 261.0 391.4

Manual Integrations

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#16

Carbon Disulfide

Concen: 0.904 ug/l

RT: 2.513 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX036544.D

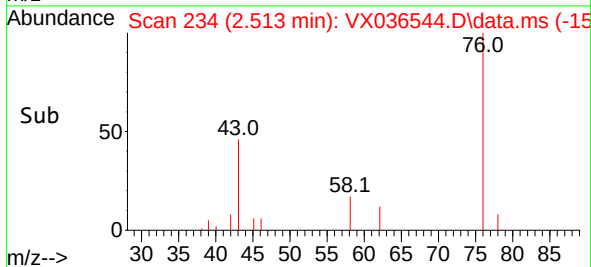
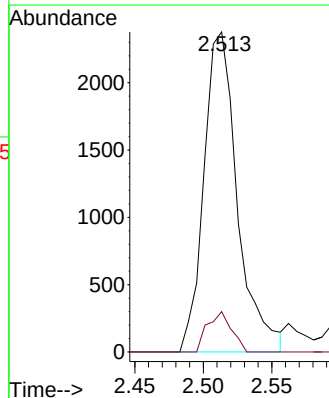
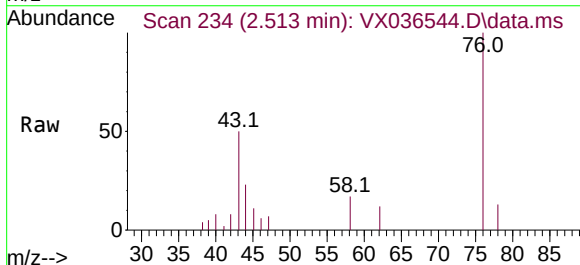
Acq: 13 Jul 2023 22:37

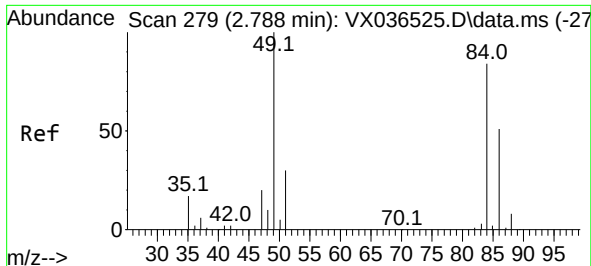
Tgt Ion: 76 Resp: 4049

Ion Ratio Lower Upper

76 100

78 12.6 8.0 12.0#





#18

Methylene Chloride

Concen: 0.648 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX036544.D

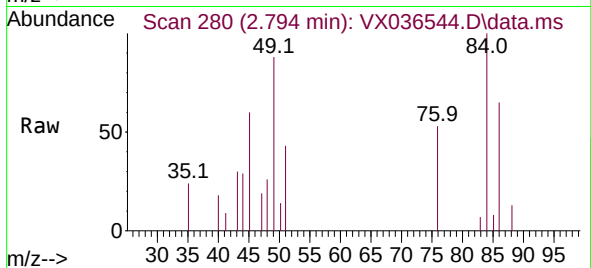
Acq: 13 Jul 2023 22:37

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 84 Resp: 144

Ion Ratio Lower Upper

84 100

49 71.3 95.4 143.0

51 42.5 28.3 42.5

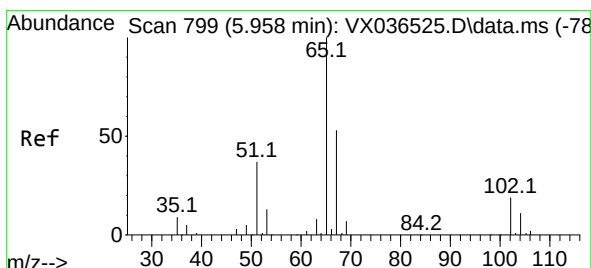
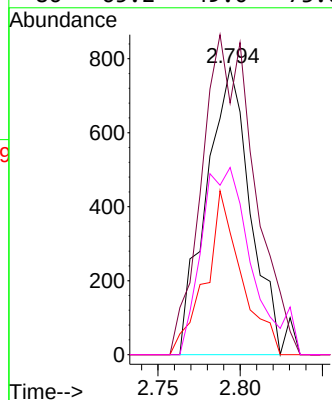
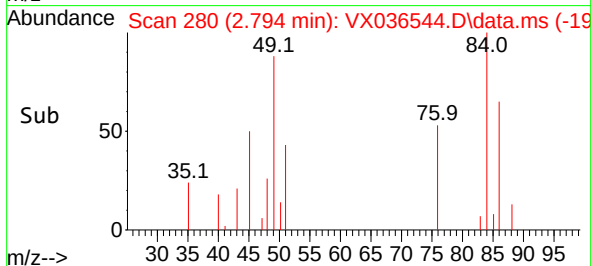
86 65.2 49.0 73.6

Manual Integrations

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#27

1,2-Dichloroethane-d4

Concen: 28.236 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX036544.D

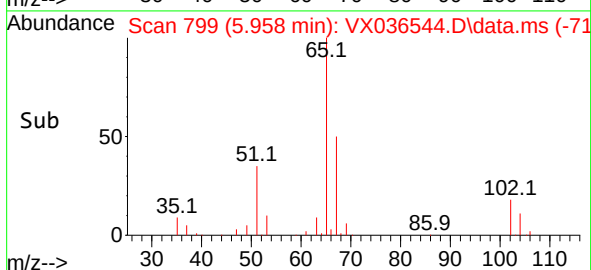
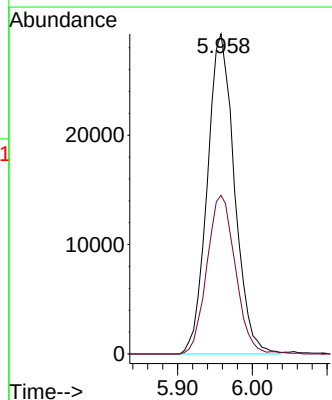
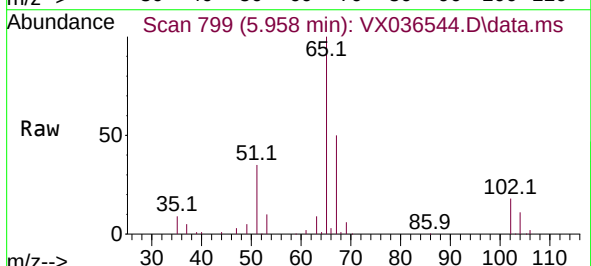
Acq: 13 Jul 2023 22:37

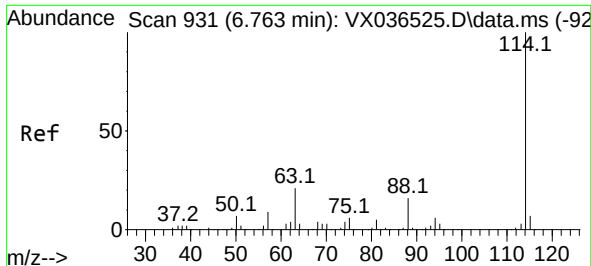
Tgt Ion: 65 Resp: 73922

Ion Ratio Lower Upper

65 100

67 51.6 42.1 63.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX036544.D

Acq: 13 Jul 2023 22:37

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

Tgt Ion:114 Resp: 159814

Ion Ratio Lower Upper

114 100

63 21.0 16.6 24.8

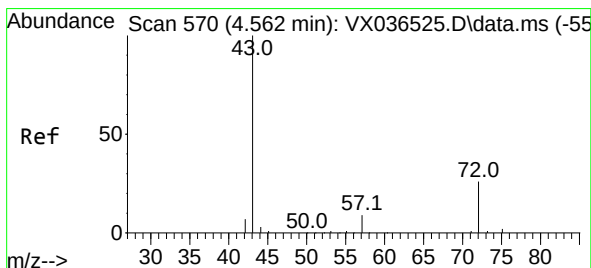
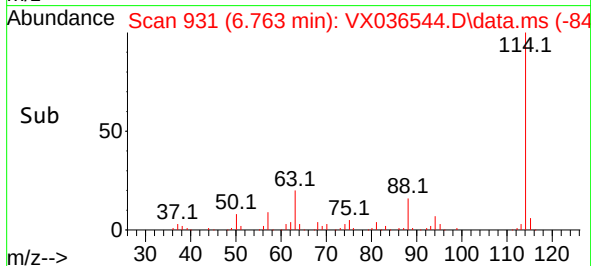
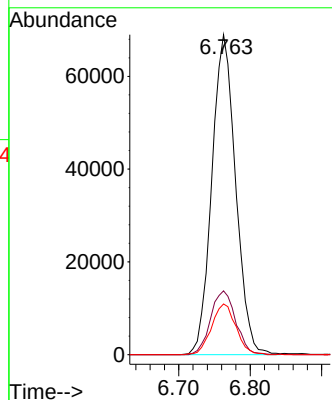
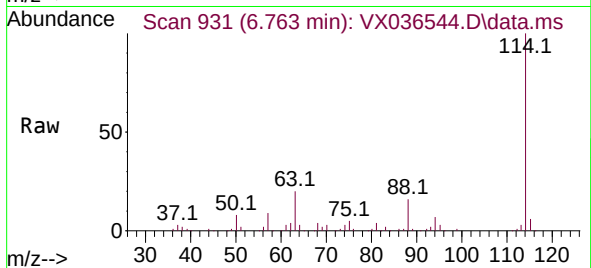
88 16.1 12.9 19.3

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/14/2023



#30

2-Butanone

Concen: 57.215 ug/l

RT: 4.562 min Scan# 570

Delta R.T. -0.000 min

Lab File: VX036544.D

Acq: 13 Jul 2023 22:37

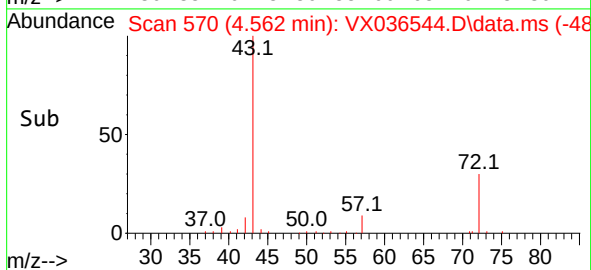
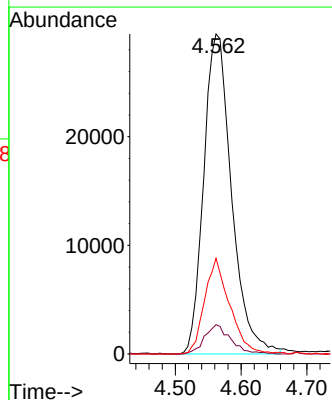
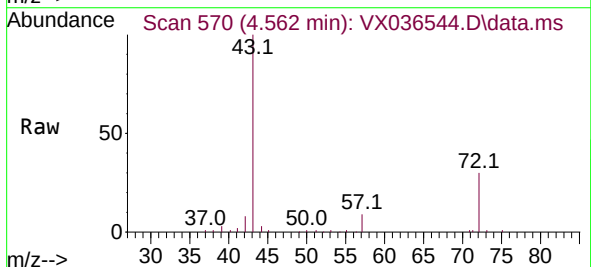
Tgt Ion: 43 Resp: 86819

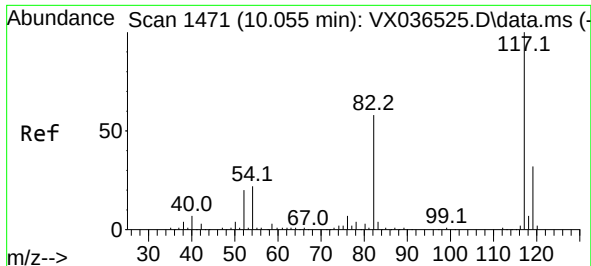
Ion Ratio Lower Upper

43 100

57 8.6 6.4 9.6

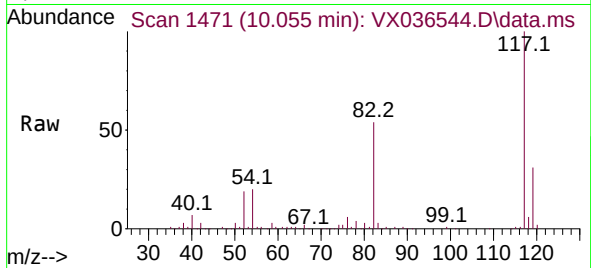
72 26.8 21.6 32.4





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036544.D
Acq: 13 Jul 2023 22:37

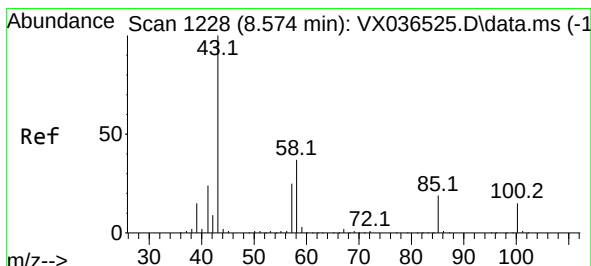
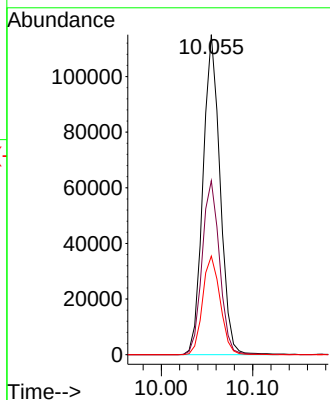
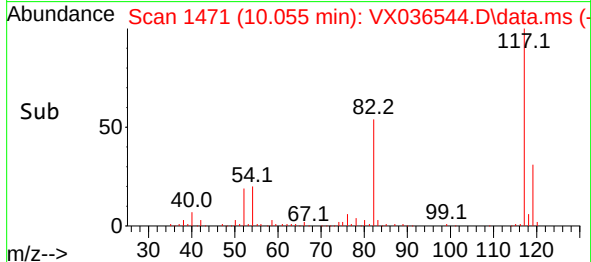
Instrument : MSVOA_X
ClientSampleId : 001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 117 Resp: 14908
Ion Ratio Lower Upper
117 100
82 55.5 44.7 67.1
119 31.7 25.6 38.4

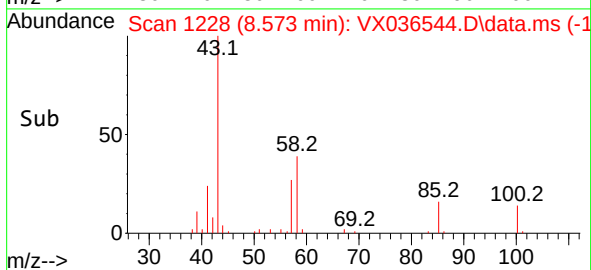
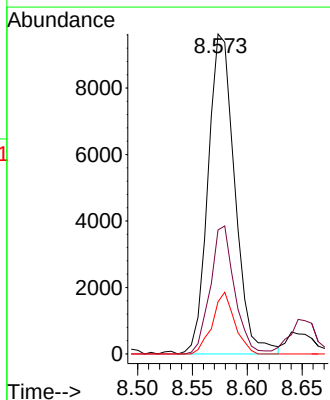
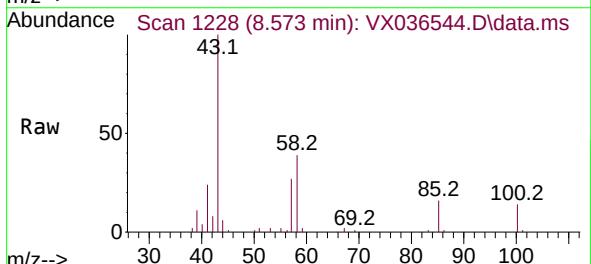
Manual Integrations
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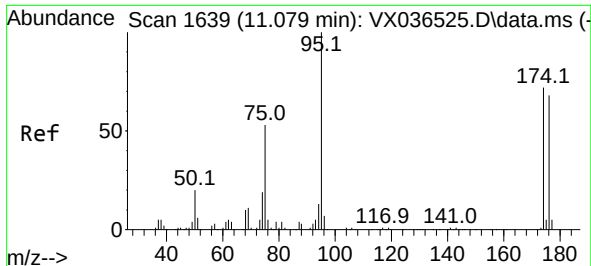
Reviewed By :John Carlone 07/14/2023
Supervised By :Semsettin Yesilyurt 07/14/2023



#58
4-Methyl-2-Pentanone
Concen: 5.304 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX036544.D
Acq: 13 Jul 2023 22:37

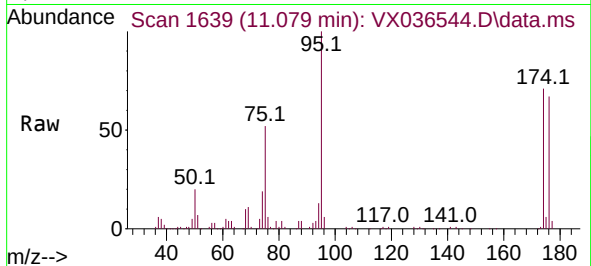
Tgt Ion: 43 Resp: 16350
Ion Ratio Lower Upper
43 100
58 36.5 30.9 46.3
85 16.0 14.4 21.6





#60
4-Bromofluorobenzene
Concen: 28.232 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036544.D
Acq: 13 Jul 2023 22:37

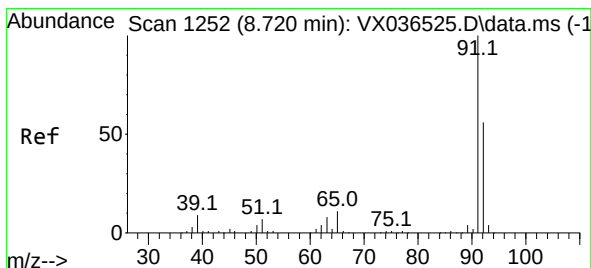
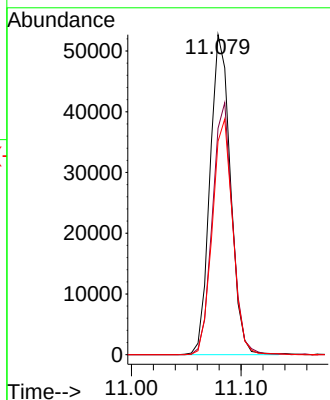
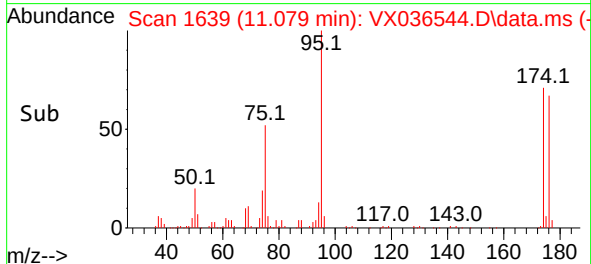
Instrument : MSVOA_X
ClientSampleId : 001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 95 Resp: 6827
Ion Ratio Lower Upper
95 100
174 77.4 60.5 90.7
176 73.5 58.2 87.4

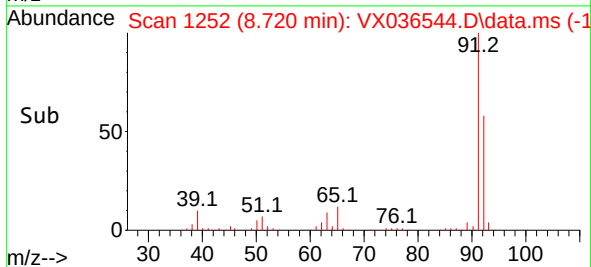
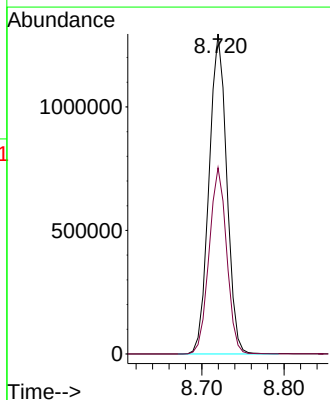
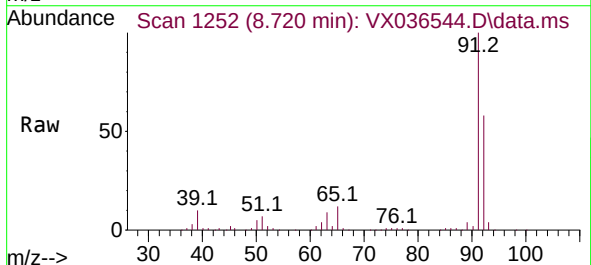
Manual Integrations
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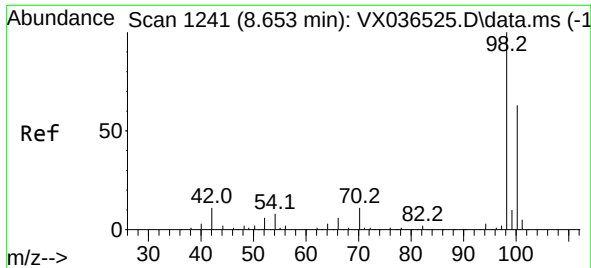
Reviewed By :John Carlone 07/14/2023
Supervised By :Semsettin Yesilyurt 07/14/2023



#62
Toluene
Concen: 231.439 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036544.D
Acq: 13 Jul 2023 22:37

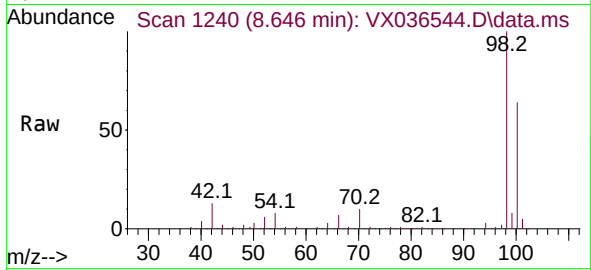
Tgt Ion: 91 Resp: 1935900
Ion Ratio Lower Upper
91 100
92 57.7 44.9 67.3





#63
Toluene-d8
Concen: 29.191 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.007 min
Lab File: VX036544.D
Acq: 13 Jul 2023 22:37

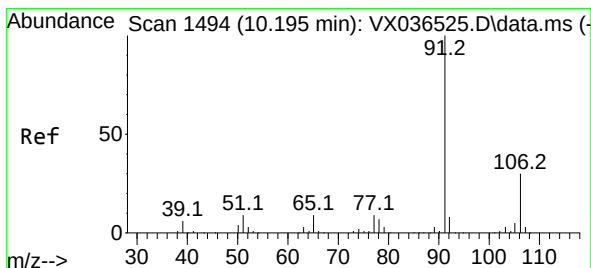
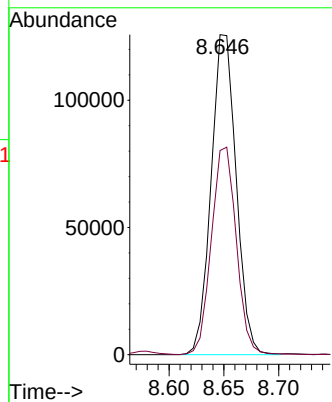
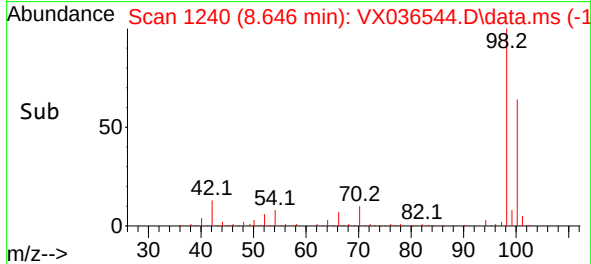
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



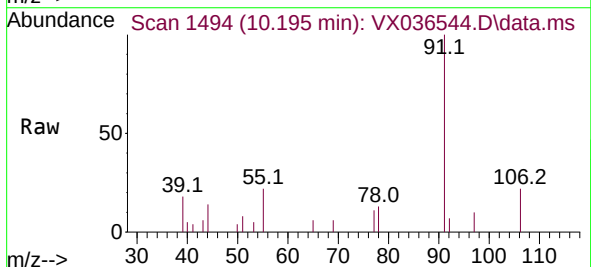
Tgt Ion: 98 Resp: 20025
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4

Manual Integrations
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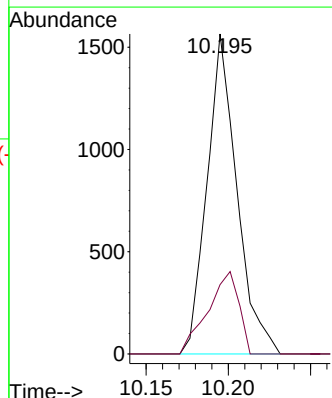
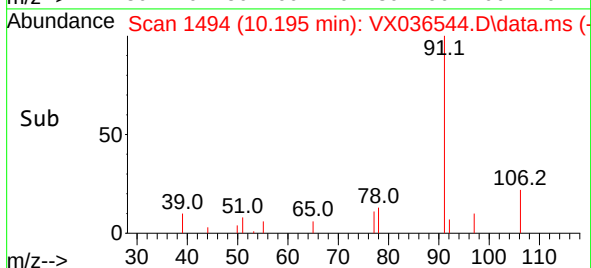
Reviewed By :John Carlone 07/14/2023
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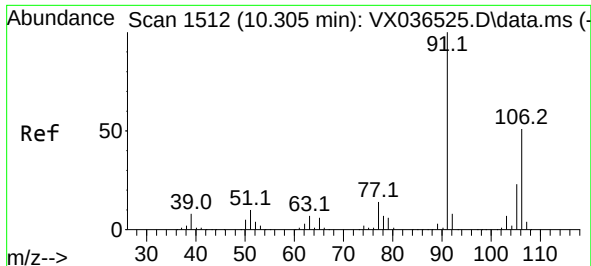


#66
Ethyl Benzene
Concen: 0.217 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX036544.D
Acq: 13 Jul 2023 22:37



Tgt Ion: 91 Resp: 1974
Ion Ratio Lower Upper
91 100
106 21.7 24.2 36.4#





#67

m/p-Xylenes

Concen: 0.382 ug/l

RT: 10.299 min Scan# 11

Delta R.T. -0.007 min

Lab File: VX036544.D

Acq: 13 Jul 2023 22:37

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

Tgt Ion:106 Resp: 135

Ion Ratio Lower Upper

106 100

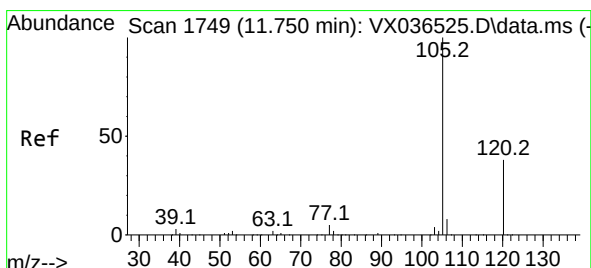
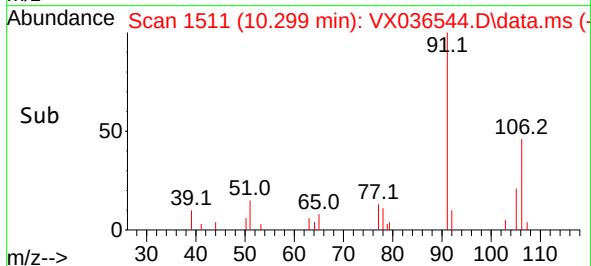
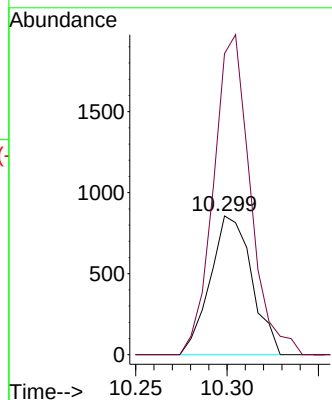
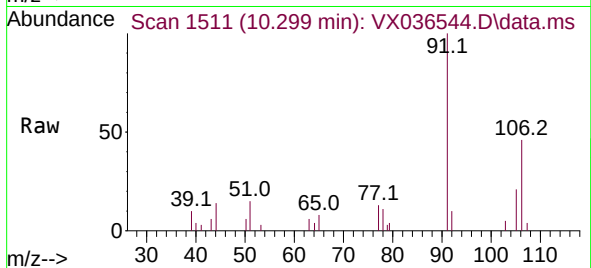
91 205.0 160.5 240.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Semsettin Yesilyurt 07/14/2023



#80

1,2,4-Trimethylbenzene

Concen: 0.988 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX036544.D

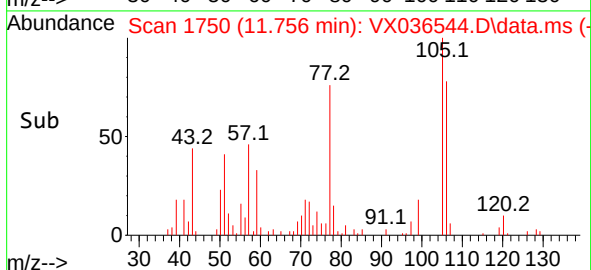
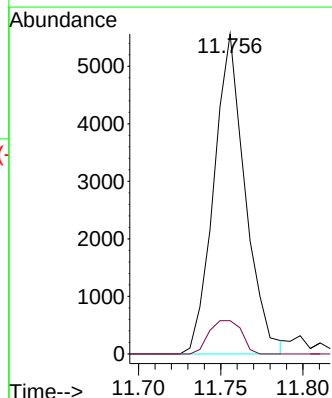
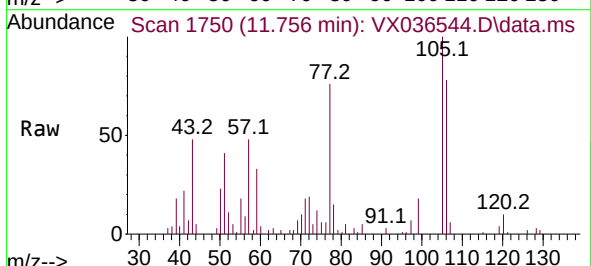
Acq: 13 Jul 2023 22:37

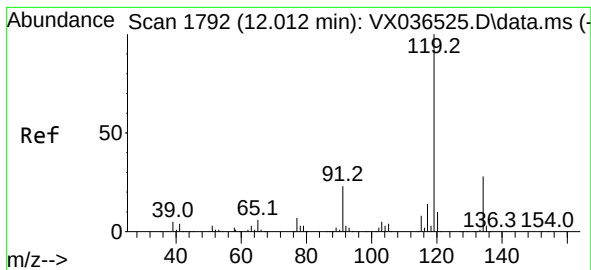
Tgt Ion:105 Resp: 7367

Ion Ratio Lower Upper

105 100

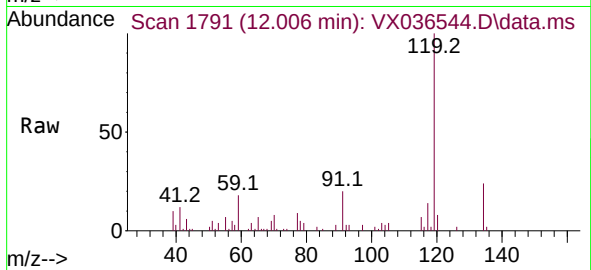
120 10.8 0.0 90.2





#82
p-Isopropyltoluene
Concen: 1.131 ug/l
RT: 12.006 min Scan# 119
Delta R.T. -0.006 min
Lab File: VX036544.D
Acq: 13 Jul 2023 22:37

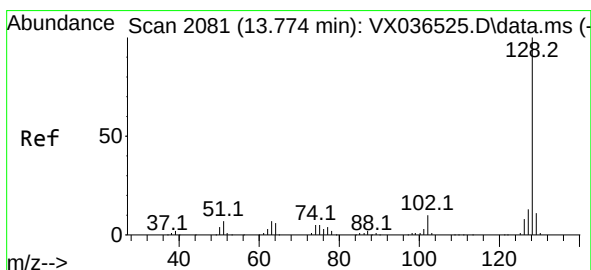
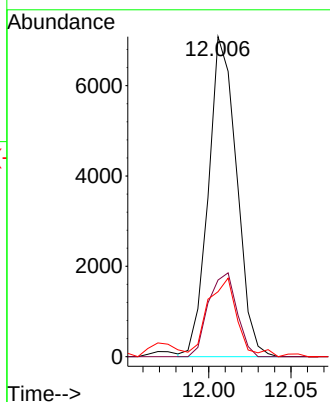
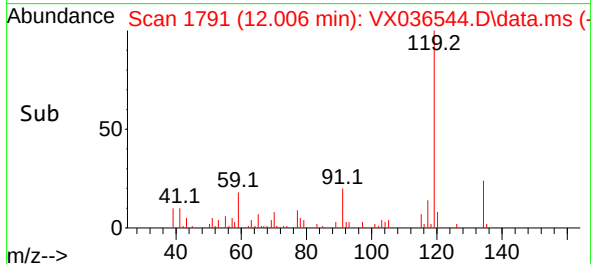
Instrument : MSVOA_X
ClientSampleId : 001-WILLETS-PT-BLVD(JUNE)



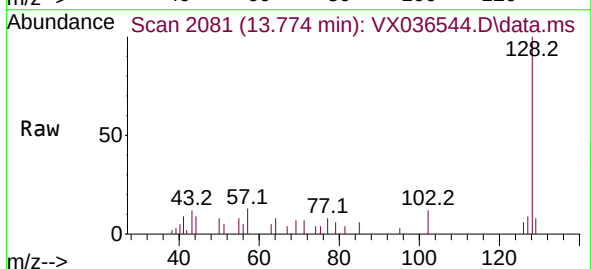
Tgt Ion:119 Resp: 846
Ion Ratio Lower Upper
119 100
134 26.3 0.0 53.2
91 24.8 0.0 49.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/14/2023
Supervised By :Semsettin Yesilyurt 07/14/2023



#91
Naphthalene
Concen: 0.338 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX036544.D
Acq: 13 Jul 2023 22:37



Tgt Ion:128 Resp: 3025
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 13.1 8.7 13.1#

