

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
 Data File : VX036697.D
 Acq On : 28 Jul 2023 11:16
 Operator : JC/MD
 Sample : 03790-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 28 16:16:36 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	4.898	128	30769	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	182565	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	165456	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	75015	29.375	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.900%
60) 4-Bromofluorobenzene	11.079	95	79905	29.772	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.233%
63) Toluene-d8	8.647	98	221897	29.145	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.133%
Target Compounds						
					Qvalue	
15) Acetone	2.380	58	493618	1469.663	ug/l	87
16) Carbon Disulfide	2.508	76	3391	0.776	ug/l	99
18) Methylene Chloride	2.788	84	1449	0.668	ug/l #	89
30) 2-Butanone	4.556	43	97135	56.036	ug/l	99
47) n-amyl Acetate	10.854	43	5718m	1.253	ug/l	
58) 4-Methyl-2-Pentanone	8.574	43	19254	5.628	ug/l	97
62) Toluene	8.720	91	5002828	538.901	ug/l	93
66) Ethyl Benzene	10.195	91	4957	0.491	ug/l	95
67) m/p-Xylenes	10.299	106	4232	1.076	ug/l	90
68) o-Xylene	10.640	106	1958	0.502	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	12049	1.455	ug/l	47
82) p-Isopropyltoluene	12.006	119	40070	4.825	ug/l	99

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

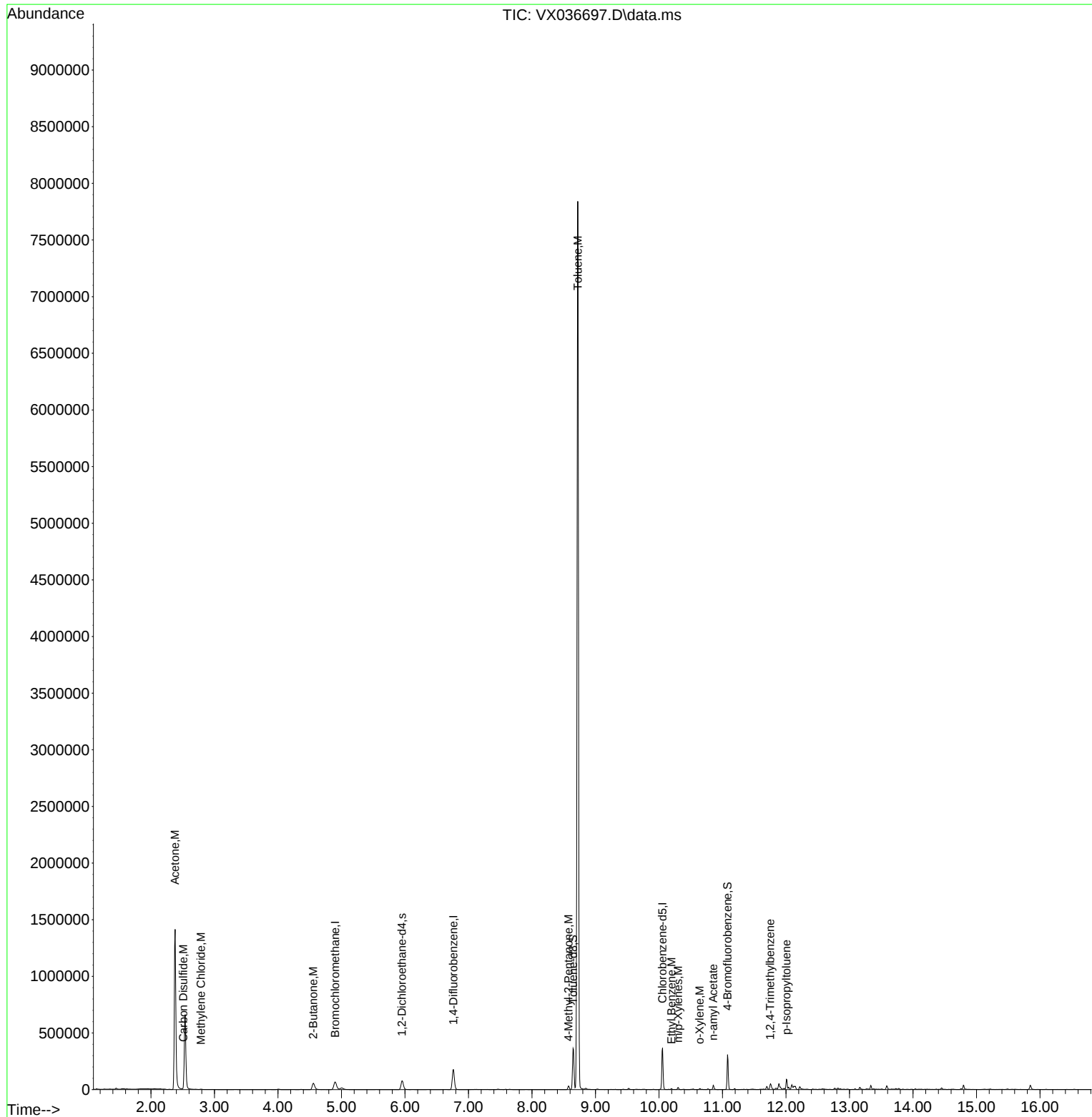
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
Data File : VX036697.D
Acq On : 28 Jul 2023 11:16
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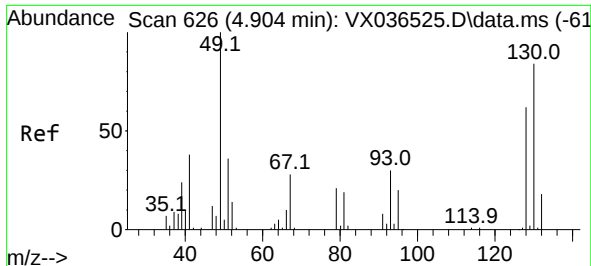
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

Quant Time: Jul 28 16:16:36 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

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APPROVED

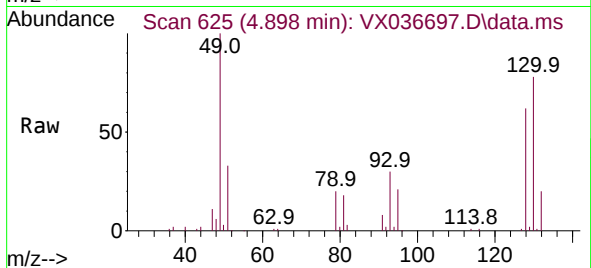
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023





#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.898 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VX036697.D
 Acq: 28 Jul 2023 11:16

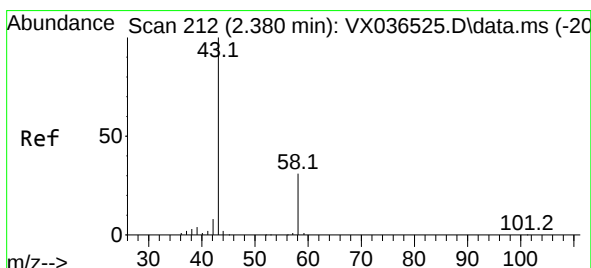
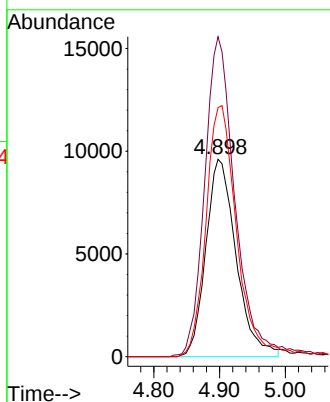
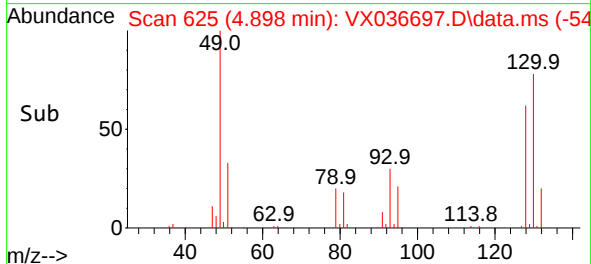
Instrument : MSVOA_X
 ClientSampleId : 001-WILLETS-PT-BLVD(JUNE)



Tgt Ion:128 Resp: 30769
 Ion Ratio Lower Upper
 128 100
 49 164.1 0.0 406.3
 130 125.7 0.0 328.0

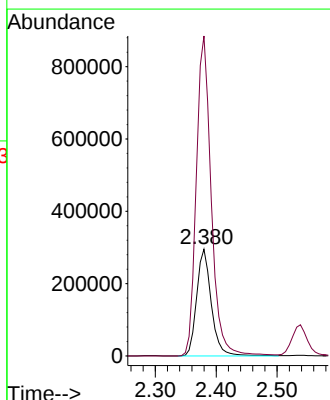
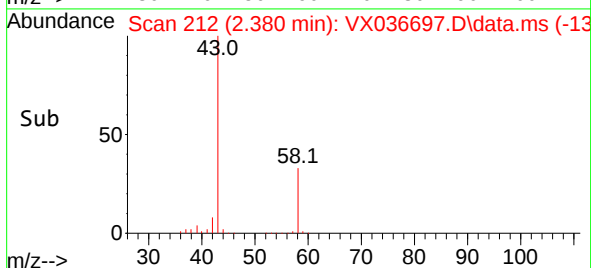
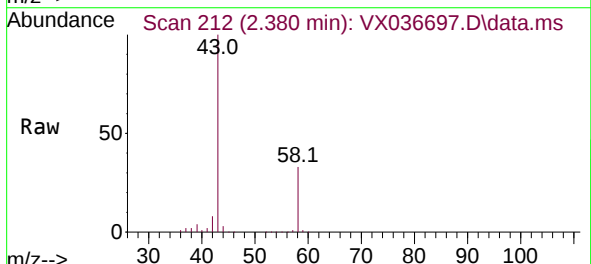
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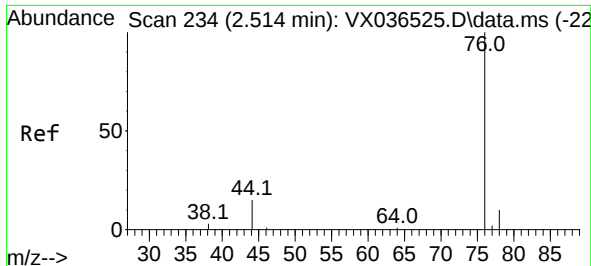
Reviewed By :John Carlone 07/28/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#15
 Acetone
 Concen: 1469.663 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. 0.000 min
 Lab File: VX036697.D
 Acq: 28 Jul 2023 11:16

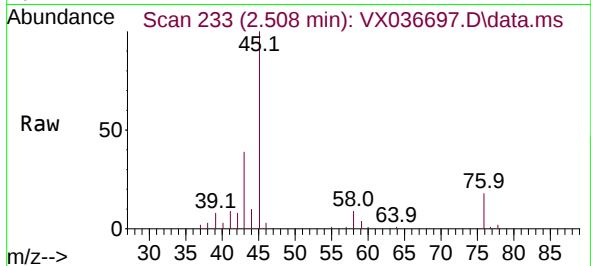
Tgt Ion: 58 Resp: 493618
 Ion Ratio Lower Upper
 58 100
 43 299.9 261.0 391.4





#16
Carbon Disulfide
Concen: 0.776 ug/l
RT: 2.508 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX036697.D
Acq: 28 Jul 2023 11:16

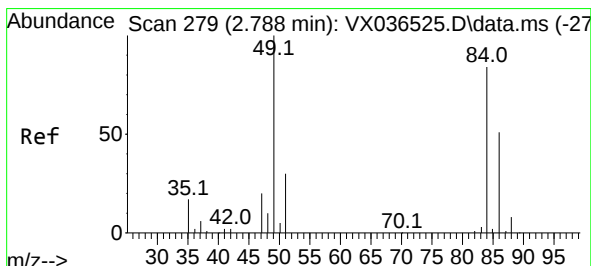
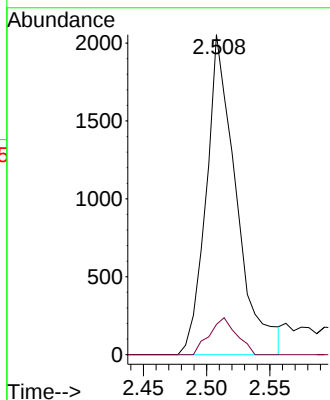
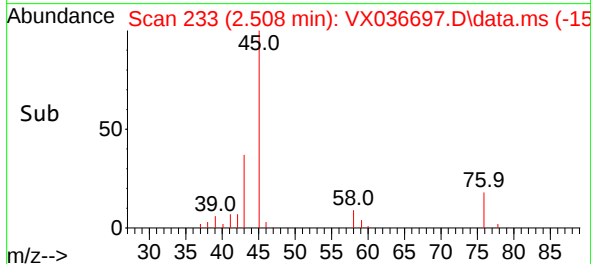
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 76 Resp: 339
Ion Ratio Lower Upper
76 100
78 9.4 8.0 12.0

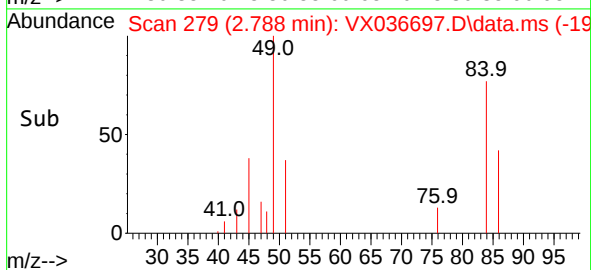
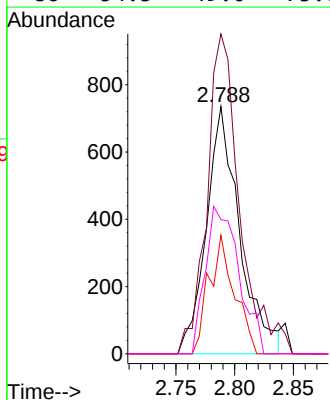
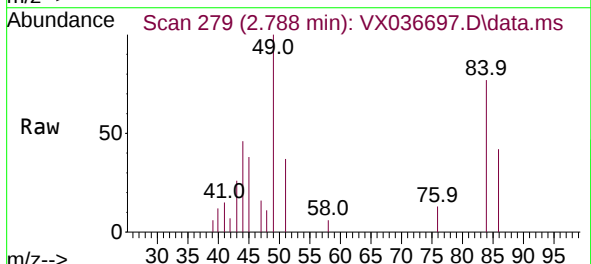
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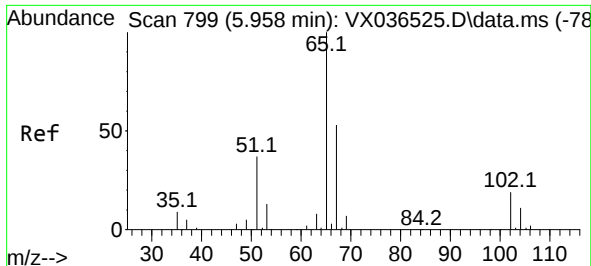
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#18
Methylene Chloride
Concen: 0.668 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036697.D
Acq: 28 Jul 2023 11:16

Tgt Ion: 84 Resp: 1449
Ion Ratio Lower Upper
84 100
49 129.4 95.4 143.0
51 47.9 28.3 42.5#
86 54.3 49.0 73.6





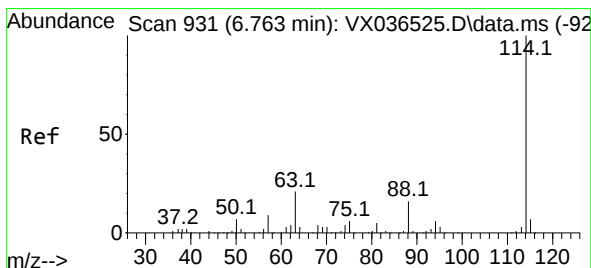
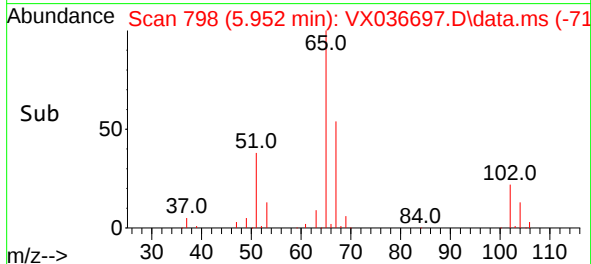
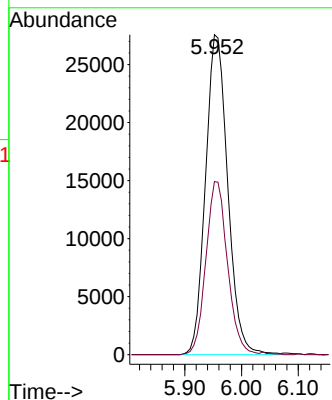
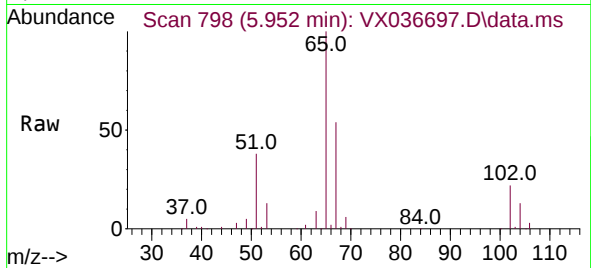
#27
1,2-Dichloroethane-d4
Concen: 29.375 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX036697.D
Acq: 28 Jul 2023 11:16

Instrument :
MSVOA_X
Client Sample Id :
001-WILLETS-PT-BLVD(JUNE)

Tgt Ion: 65 Resp: 75015
Ion Ratio Lower Upper
65 100
67 52.6 42.1 63.1

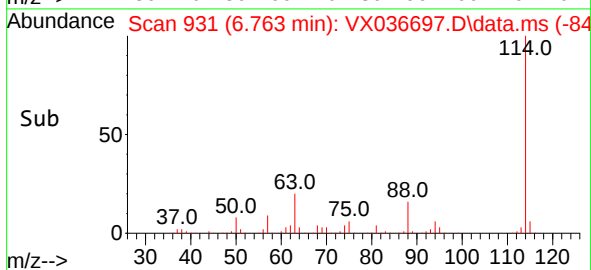
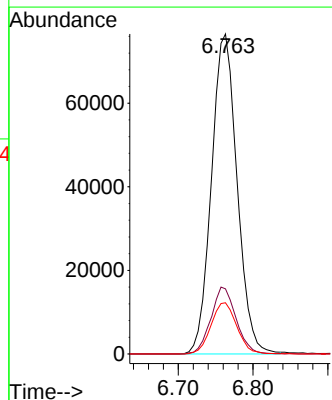
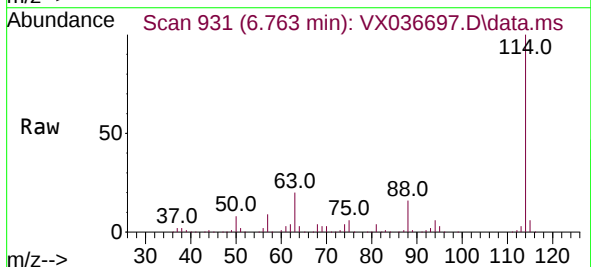
Manual Integrations
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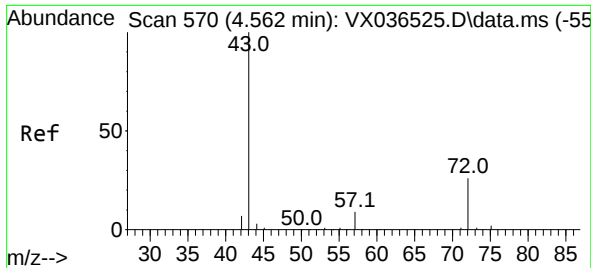
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX036697.D
Acq: 28 Jul 2023 11:16

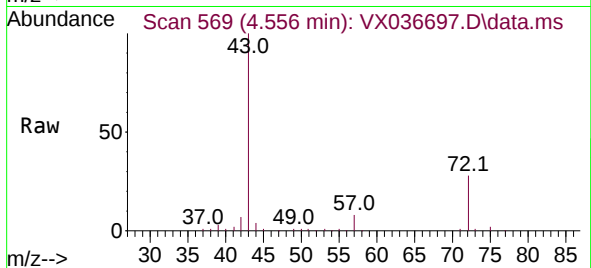
Tgt Ion:114 Resp: 182565
Ion Ratio Lower Upper
114 100
63 20.4 16.6 24.8
88 16.1 12.9 19.3





#30
2-Butanone
Concen: 56.036 ug/l
RT: 4.556 min Scan# 50
Delta R.T. -0.006 min
Lab File: VX036697.D
Acq: 28 Jul 2023 11:16

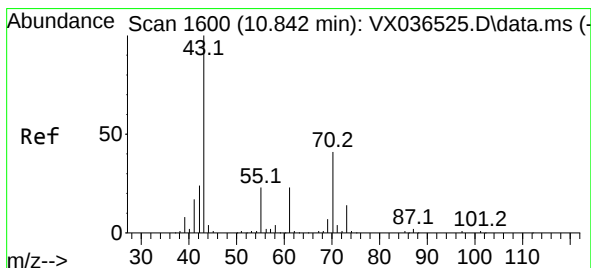
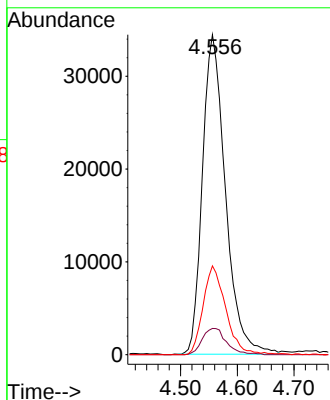
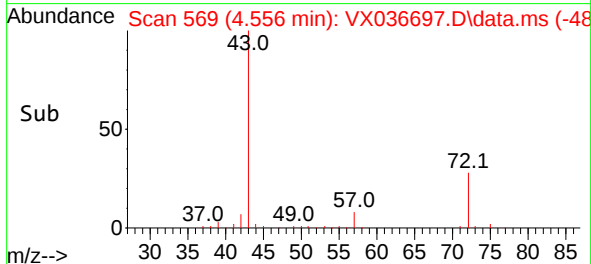
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 43 Resp: 9713
Ion Ratio Lower Upper
43 100
57 8.5 6.4 9.6
72 27.3 21.6 32.4

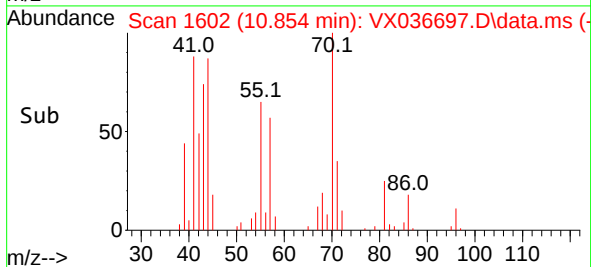
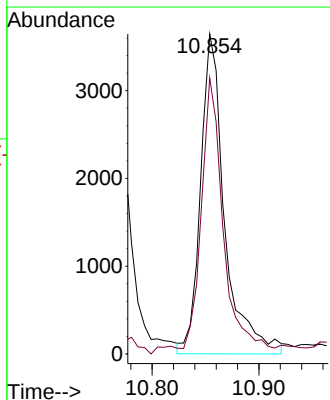
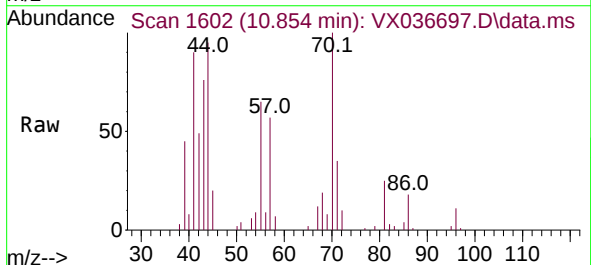
Manual Integrations
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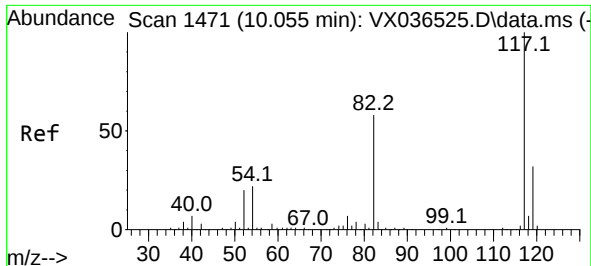
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#47
n-amy1 Acetate
Concen: 1.253 ug/l m
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX036697.D
Acq: 28 Jul 2023 11:16

Tgt Ion: 43 Resp: 5718
Ion Ratio Lower Upper
43 100
55 5.0 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: VX036697.D

Acq: 28 Jul 2023 11:16

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

Tgt Ion: 117 Resp: 165450

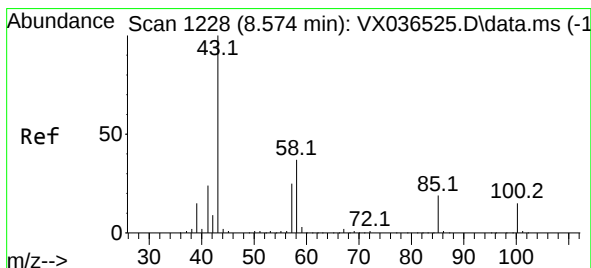
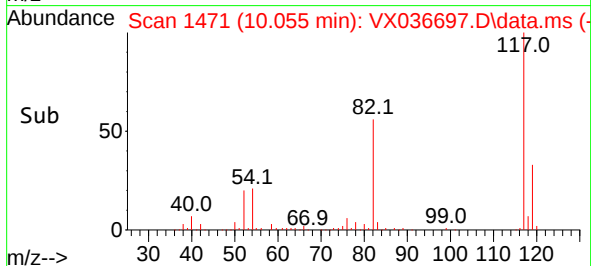
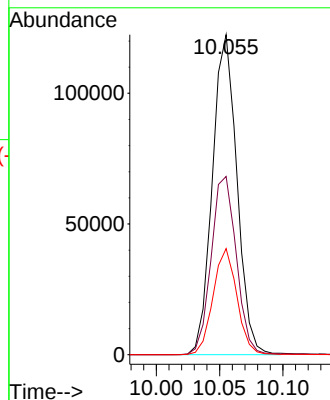
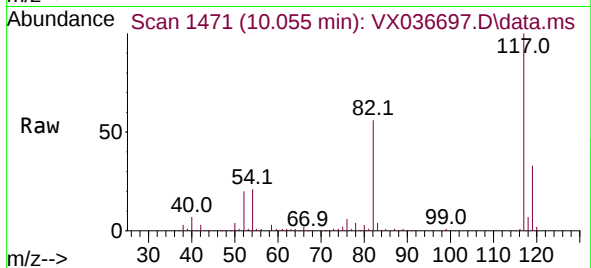
Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.7	67.1
119	32.2	25.6	38.4

Manual Integrations

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Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#58

4-Methyl-2-Pentanone

Concen: 5.628 ug/l

RT: 8.574 min Scan# 1228

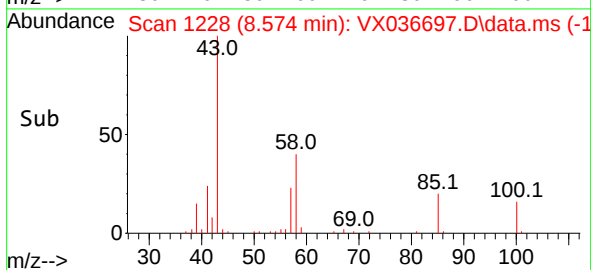
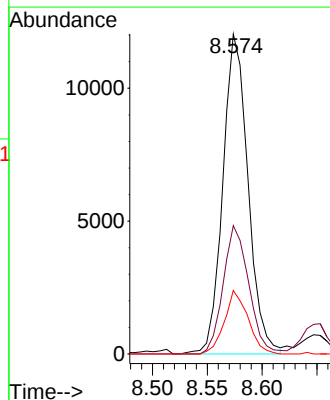
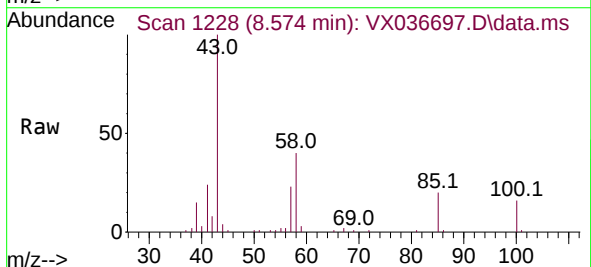
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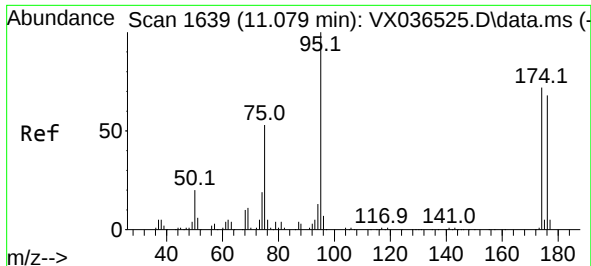
Lab File: VX036697.D

Acq: 28 Jul 2023 11:16

Tgt Ion: 43 Resp: 19254

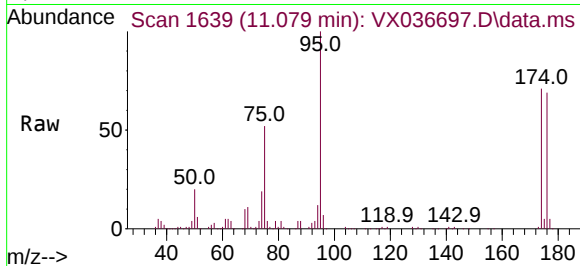
Ion	Ratio	Lower	Upper
43	100		
58	41.0	30.9	46.3
85	18.6	14.4	21.6





#60
4-Bromofluorobenzene
Concen: 29.772 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036697.D
Acq: 28 Jul 2023 11:16

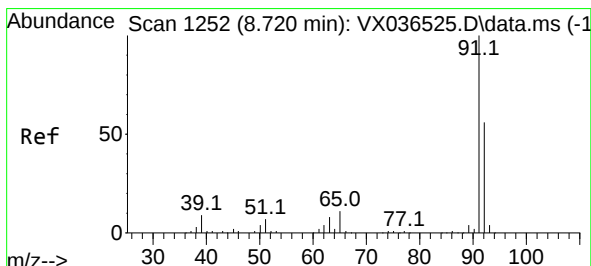
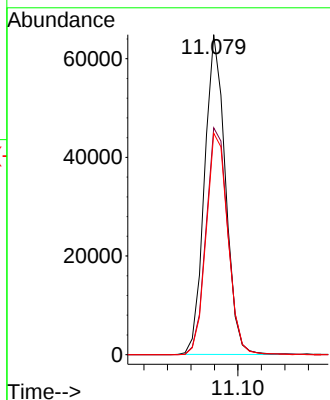
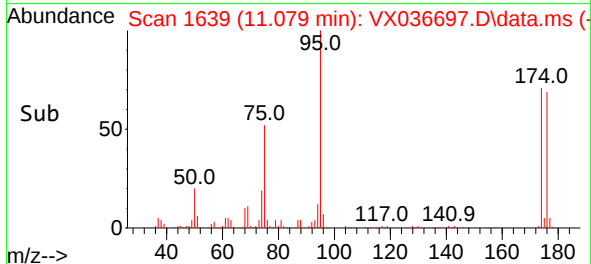
Instrument :
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ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 95 Resp: 7990
Ion Ratio Lower Upper
95 100
174 74.2 60.5 90.7
176 72.3 58.2 87.4

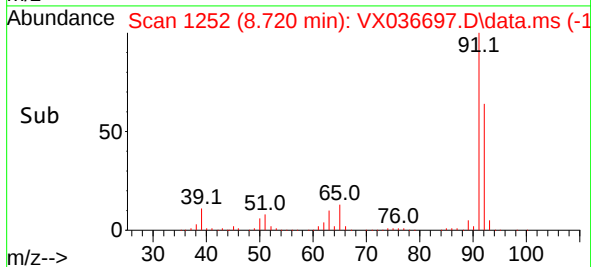
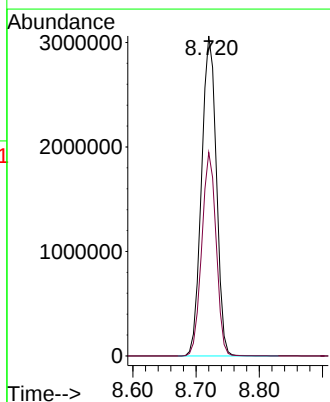
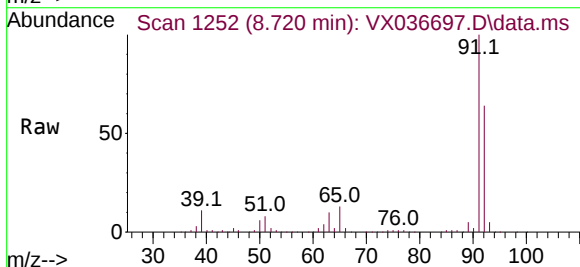
Manual Integrations
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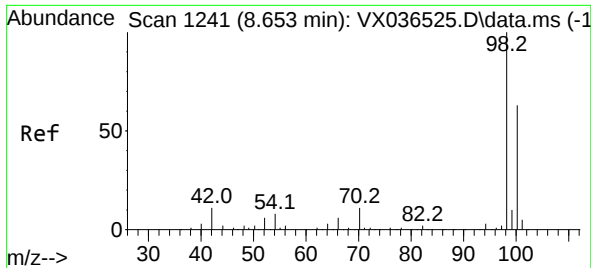
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#62
Toluene
Concen: 538.901 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036697.D
Acq: 28 Jul 2023 11:16

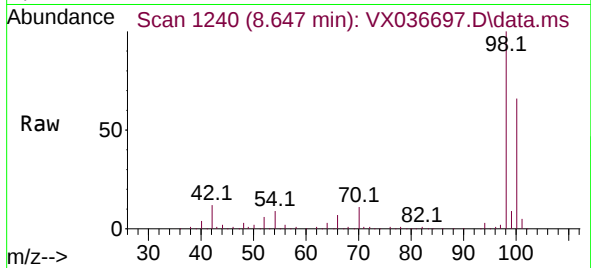
Tgt Ion: 91 Resp: 5002828
Ion Ratio Lower Upper
91 100
92 61.5 44.9 67.3





#63
Toluene-d8
Concen: 29.145 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX036697.D
Acq: 28 Jul 2023 11:16

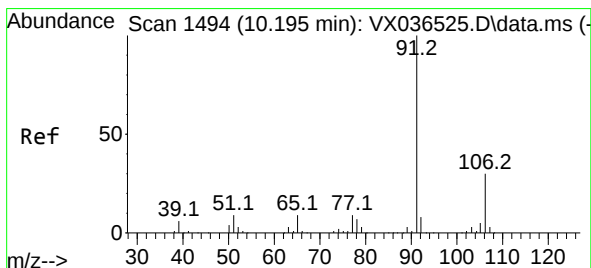
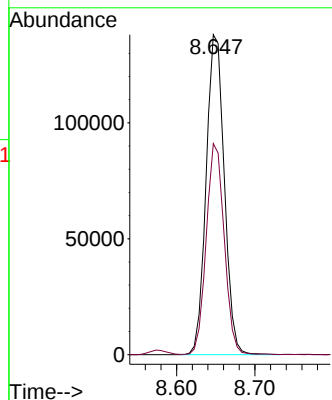
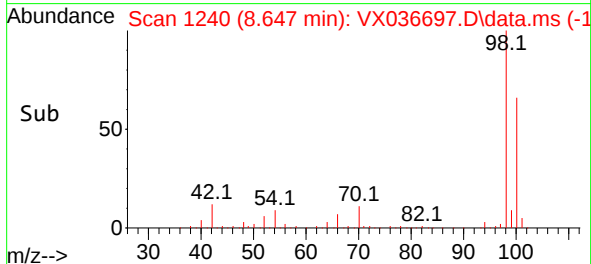
Instrument :
MSVOA_X
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001-WILLETS-PT-BLVD(JUNE)



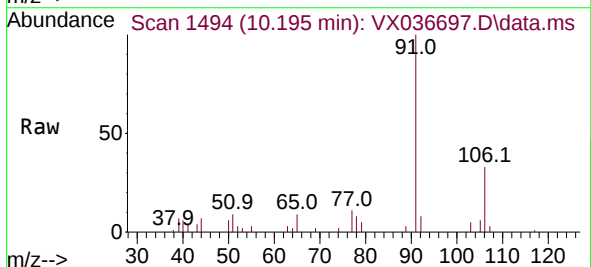
Tgt Ion: 98 Resp: 22189
Ion Ratio Lower Upper
98 100
100 65.3 51.6 77.4

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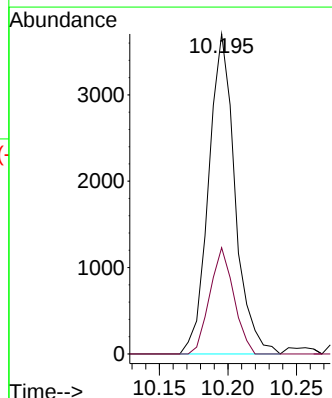
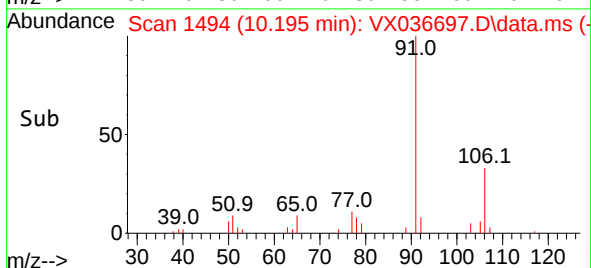
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

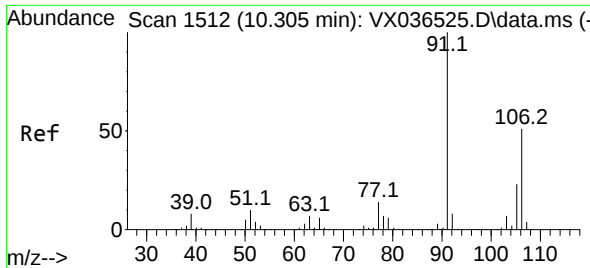


#66
Ethyl Benzene
Concen: 0.491 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036697.D
Acq: 28 Jul 2023 11:16



Tgt Ion: 91 Resp: 4957
Ion Ratio Lower Upper
91 100
106 33.2 24.2 36.4





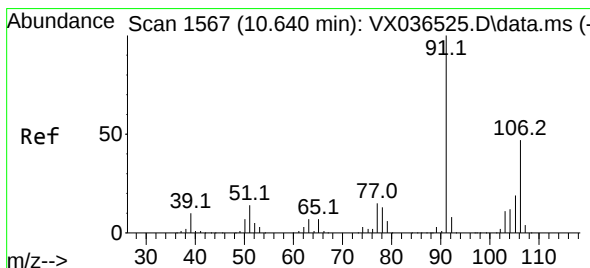
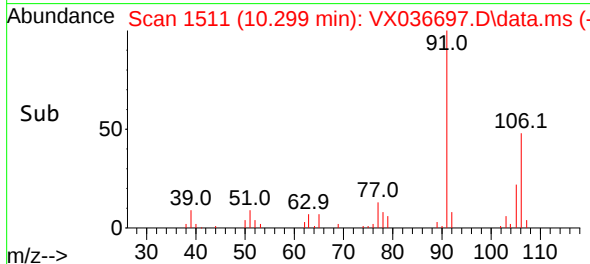
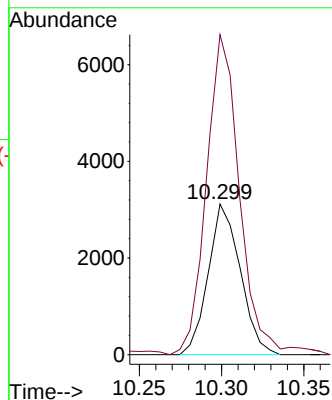
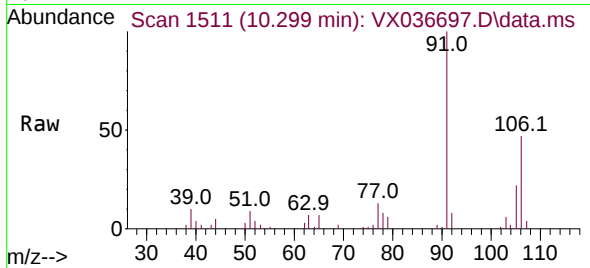
#67
m/p-Xylenes
Concen: 1.076 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX036697.D
Acq: 28 Jul 2023 11:16

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

Tgt Ion:106 Resp: 423
Ion Ratio Lower Upper
106 100
91 216.2 160.5 240.7

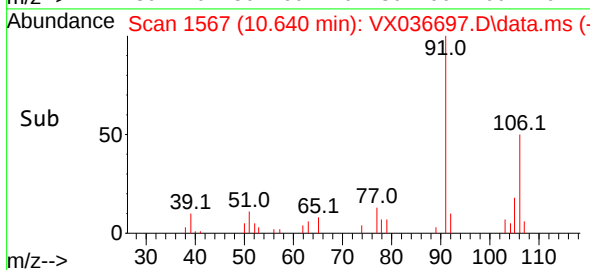
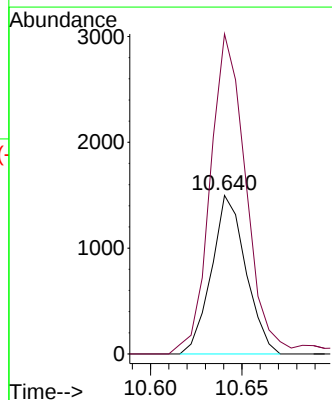
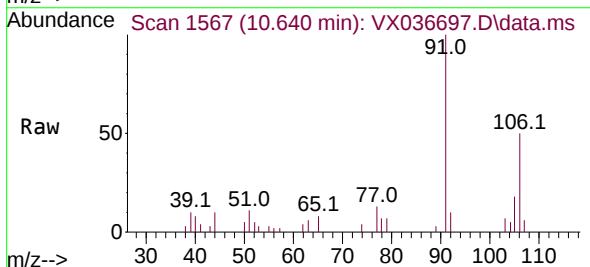
Manual Integrations
APPROVED

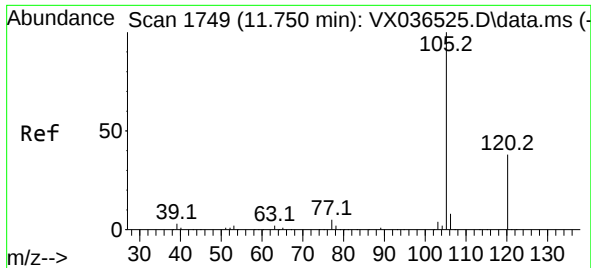
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#68
o-Xylene
Concen: 0.502 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX036697.D
Acq: 28 Jul 2023 11:16

Tgt Ion:106 Resp: 1958
Ion Ratio Lower Upper
106 100
91 208.5 105.4 316.1





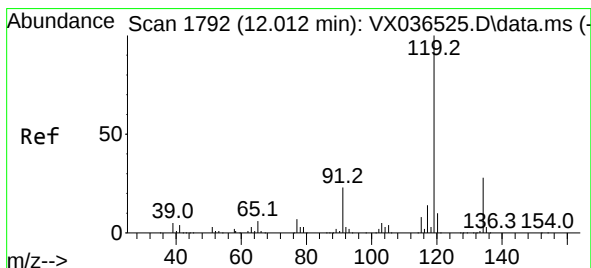
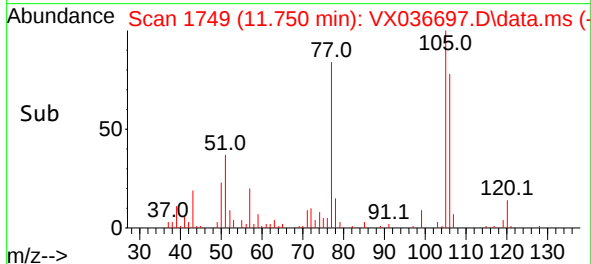
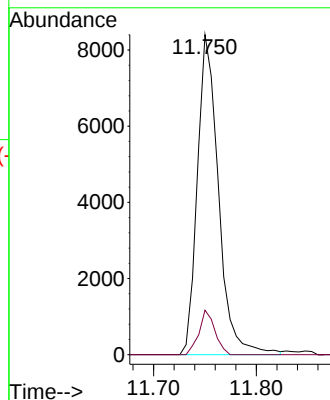
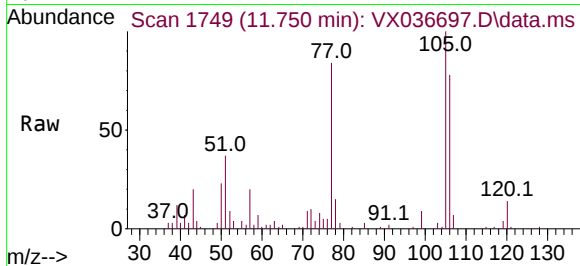
#80
1,2,4-Trimethylbenzene
Concen: 1.455 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX036697.D
Acq: 28 Jul 2023 11:16

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

Tgt Ion:105 Resp: 12049
Ion Ratio Lower Upper
105 100
120 10.5 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: 4.825 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VX036697.D
Acq: 28 Jul 2023 11:16

Tgt Ion:119 Resp: 40070
Ion Ratio Lower Upper
119 100
134 26.2 0.0 53.2
91 24.8 0.0 49.4

