

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046624.D
 Acq On : 11 Jun 2025 00:33
 Operator : JC/MD
 Sample : Q2203-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

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

Quant Time: Jun 11 06:52:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061025W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 11 06:20:28 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/11/2025
 Supervised By :Mahesh Dadoda 06/11/2025

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

Internal Standards						
1) Bromochloromethane	4.910	128	18793	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	96292	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	85225	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	45708	30.046	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.167%			
60) 4-Bromofluorobenzene	11.079	95	41689	29.021	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.733%			
63) Toluene-d8	8.653	98	115867	30.437	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.467%			
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.721	43	7613m	5.384	ug/l	
15) Acetone	2.386	58	22454	168.973	ug/l	91
16) Carbon Disulfide	2.550	76	67793m	21.781	ug/l	
30) 2-Butanone	4.574	43	22862	33.866	ug/l #	97
58) 4-Methyl-2-Pentanone	8.580	43	5656	4.080	ug/l	97
62) Toluene	8.720	91	1220724	264.301	ug/l	99
67) m/p-Xylenes	10.299	106	2168	1.111	ug/l	86
80) 1,2,4-Trimethylbenzene	11.750	105	4576	1.106	ug/l	75
82) p-Isopropyltoluene	12.006	119	19068	4.347	ug/l	99

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

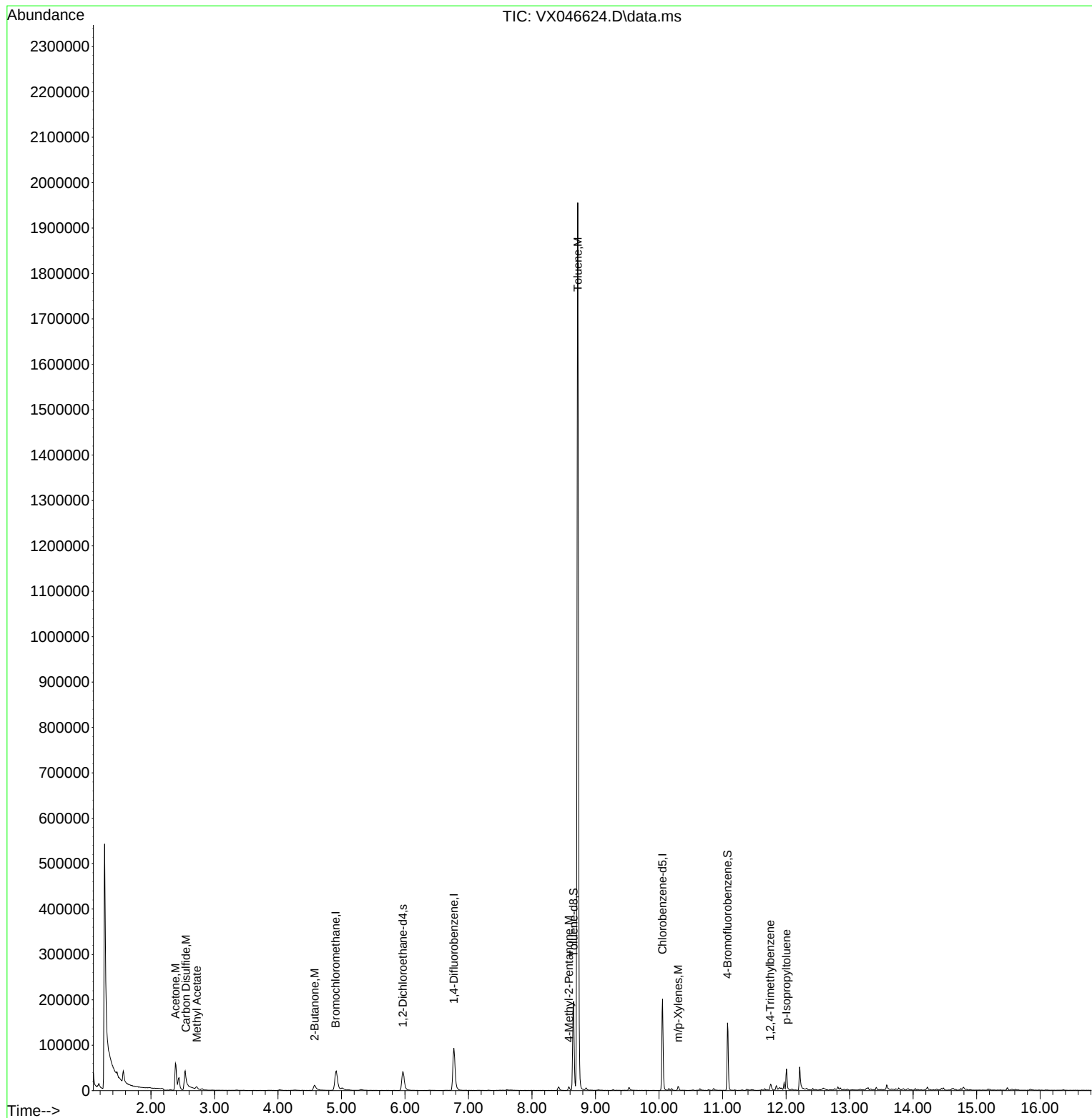
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
Data File : VX046624.D
Acq On : 11 Jun 2025 00:33
Operator : JC/MD
Sample : Q2203-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

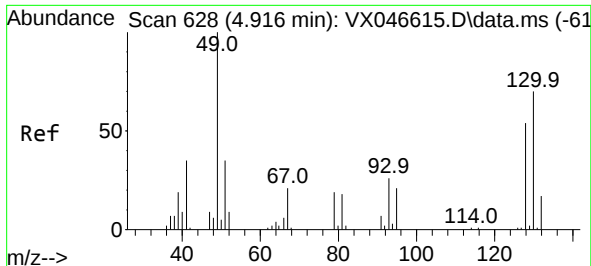
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

Quant Time: Jun 11 06:52:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061025W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 11 06:20:28 2025
Response via : Initial Calibration

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APPROVED

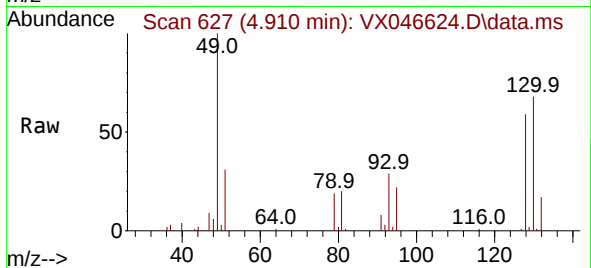
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX046624.D
Acq: 11 Jun 2025 00:33

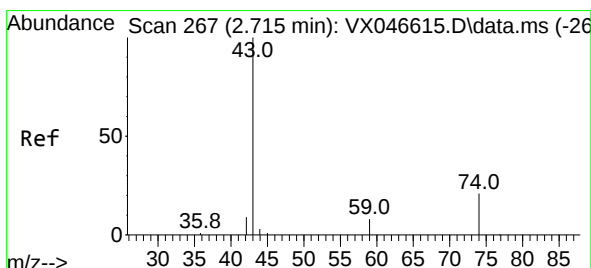
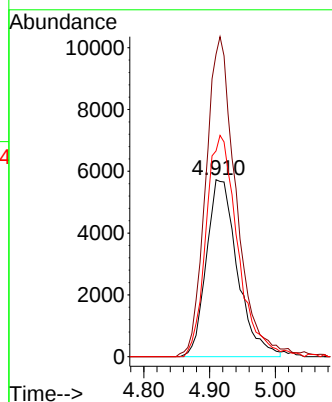
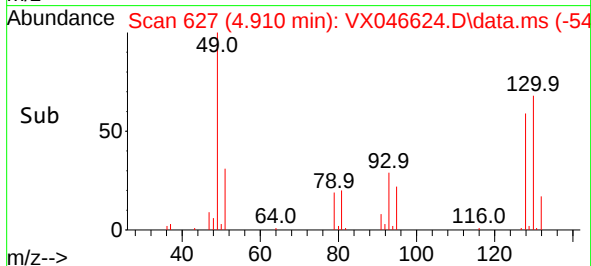
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



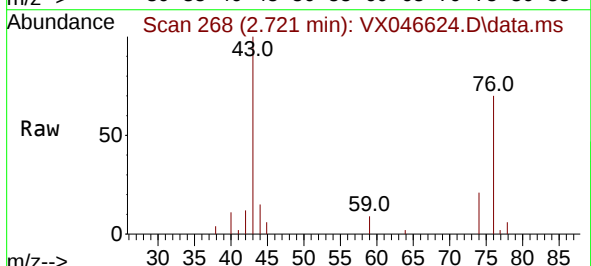
Tgt Ion:128 Resp: 1879
Ion Ratio Lower Upper
128 100
49 176.3 0.0 448.3
130 127.3 0.0 312.0

Manual Integrations
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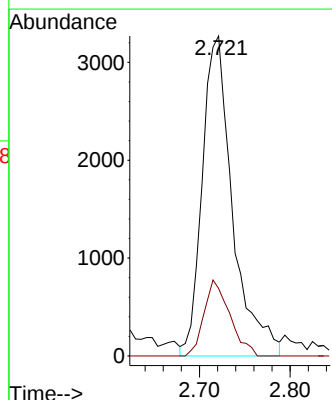
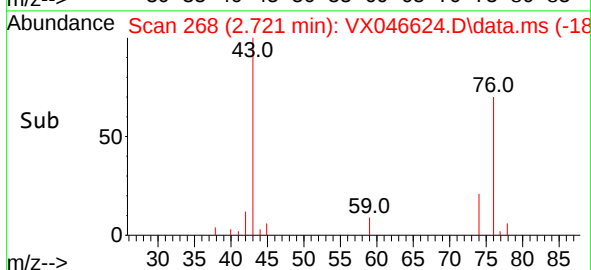
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

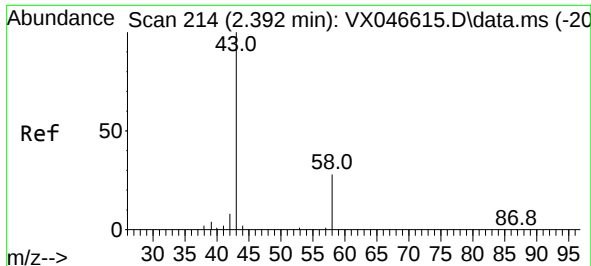


#12
Methyl Acetate
Concen: 5.384 ug/l m
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX046624.D
Acq: 11 Jun 2025 00:33



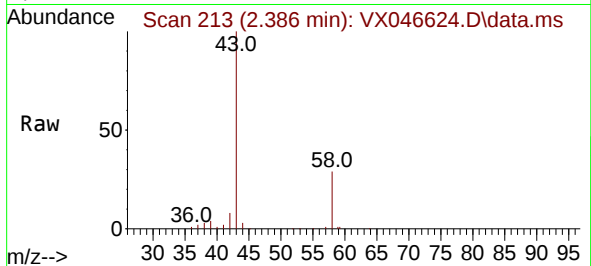
Tgt Ion: 43 Resp: 7613
Ion Ratio Lower Upper
43 100
74 21.1 17.2 25.8





#15
Acetone
Concen: 168.973 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX046624.D
Acq: 11 Jun 2025 00:33

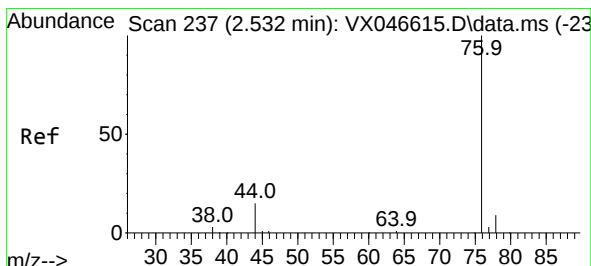
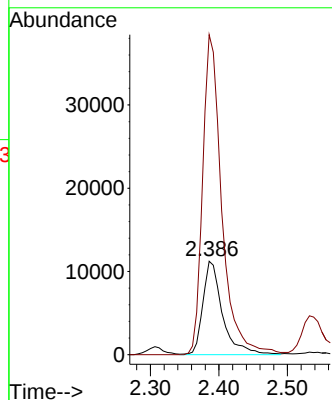
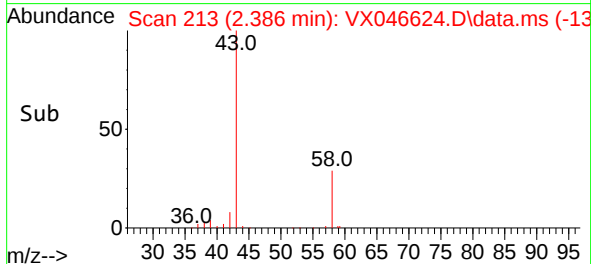
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 58 Resp: 22454
Ion Ratio Lower Upper
58 100
43 344.0 290.6 435.8

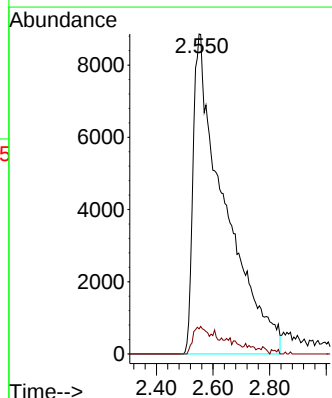
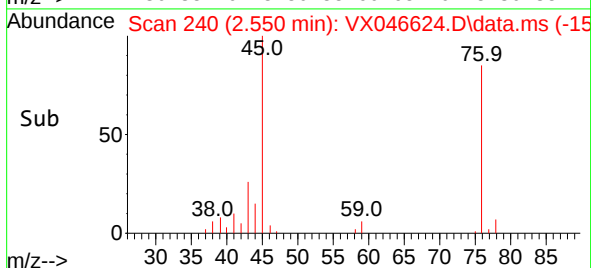
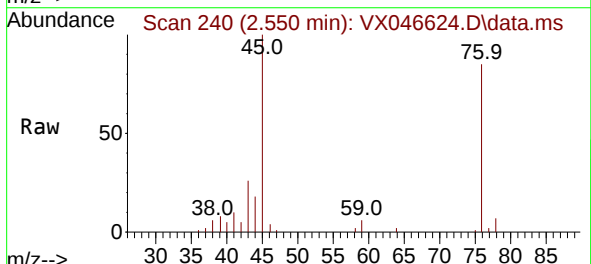
Manual Integrations
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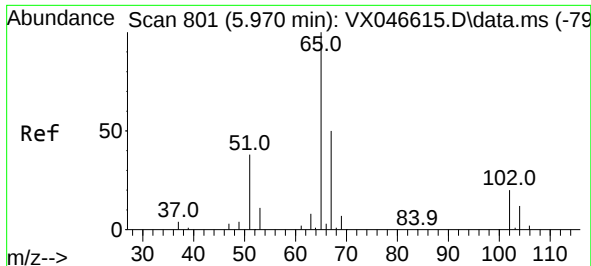
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#16
Carbon Disulfide
Concen: 21.781 ug/l m
RT: 2.550 min Scan# 240
Delta R.T. 0.018 min
Lab File: VX046624.D
Acq: 11 Jun 2025 00:33

Tgt Ion: 76 Resp: 67793
Ion Ratio Lower Upper
76 100
78 7.9 7.4 11.0





#27

1,2-Dichloroethane-d4

Concen: 30.046 ug/l

RT: 5.964 min Scan# 801

Delta R.T. -0.006 min

Lab File: VX046624.D

Acq: 11 Jun 2025 00:33

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

Tgt Ion: 65 Resp: 45708

Ion Ratio Lower Upper

65 100

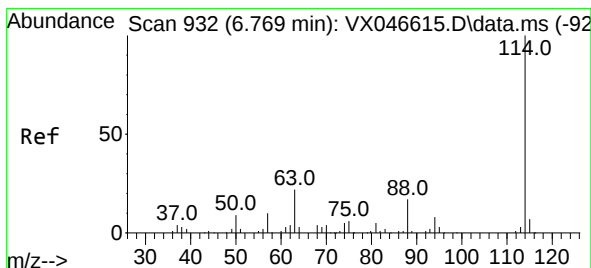
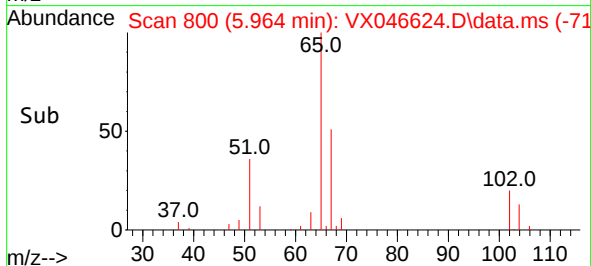
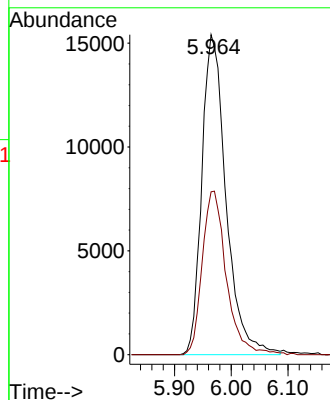
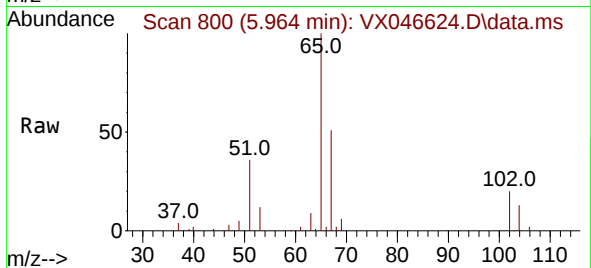
67 49.9 41.4 62.2

Manual Integrations

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Reviewed By :John Carlone 06/11/2025

Supervised By :Mahesh Dadoda 06/11/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX046624.D

Acq: 11 Jun 2025 00:33

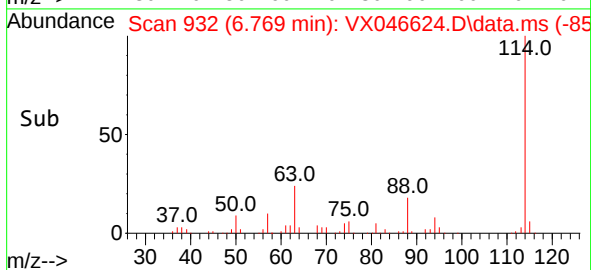
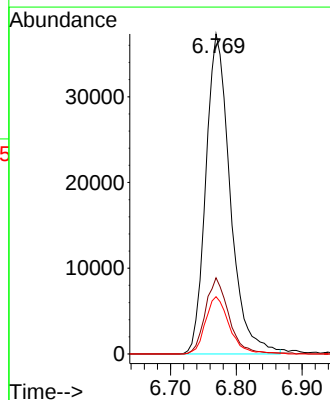
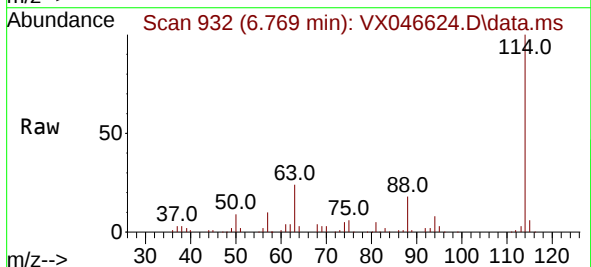
Tgt Ion:114 Resp: 96292

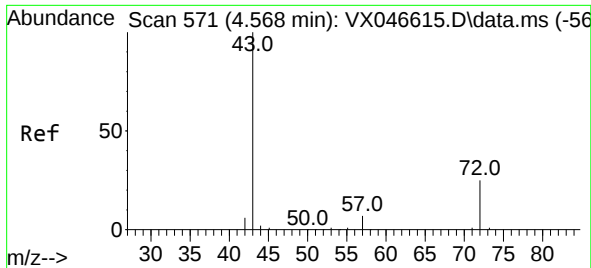
Ion Ratio Lower Upper

114 100

63 23.0 18.1 27.1

88 17.2 14.1 21.1





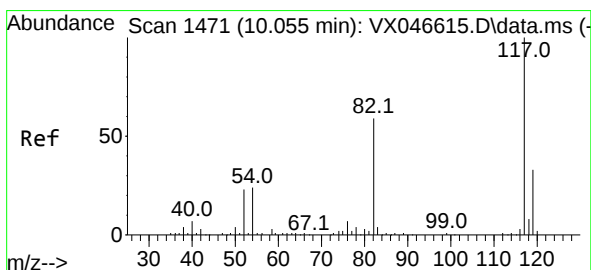
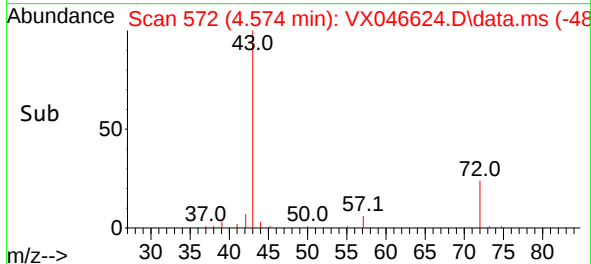
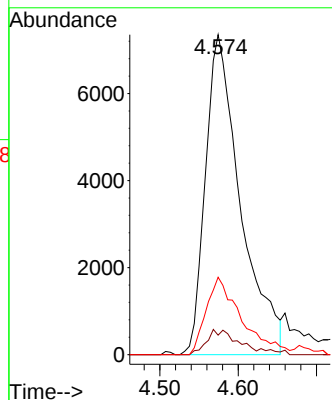
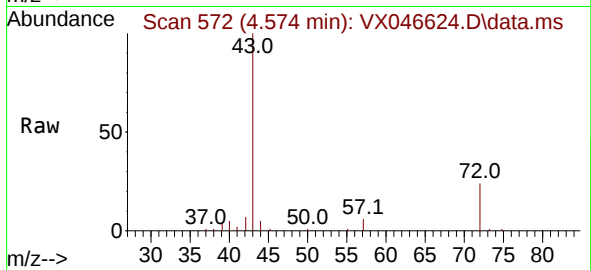
#30
2-Butanone
Concen: 33.866 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX046624.D
Acq: 11 Jun 2025 00:33

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

Tgt Ion: 43 Resp: 22862
Ion Ratio Lower Upper
43 100
57 2.9 5.8 8.6
72 24.4 19.4 29.2

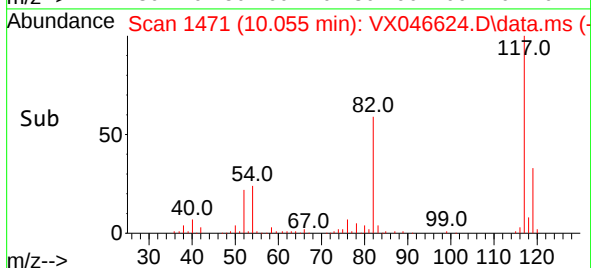
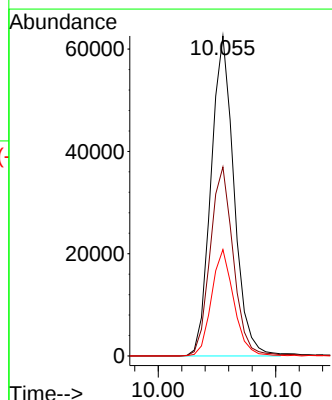
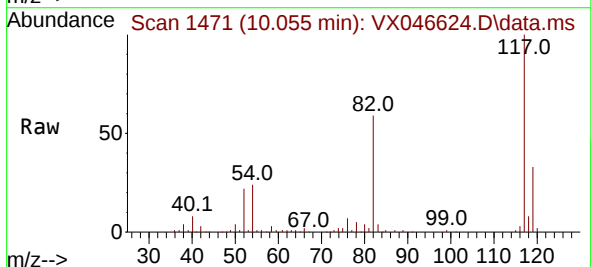
Manual Integrations
APPROVED

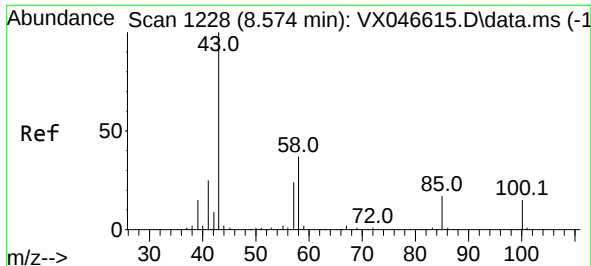
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046624.D
Acq: 11 Jun 2025 00:33

Tgt Ion:117 Resp: 85225
Ion Ratio Lower Upper
117 100
82 59.4 46.5 69.7
119 32.3 25.8 38.6





#58

4-Methyl-2-Pentanone

Concen: 4.080 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX046624.D

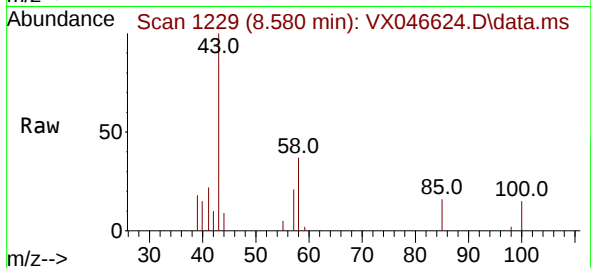
Acq: 11 Jun 2025 00:33

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 43 Resp: 5650

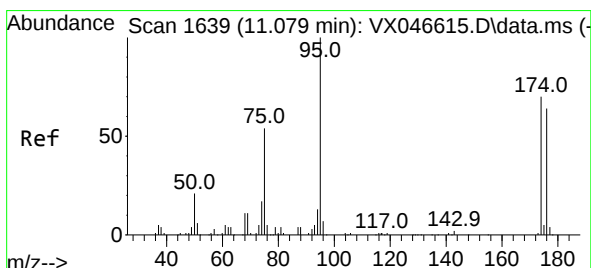
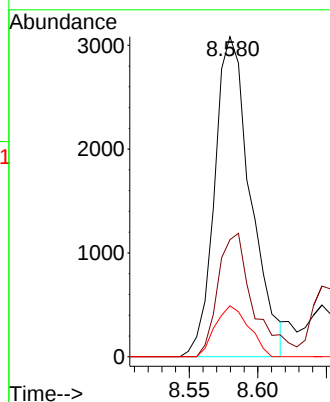
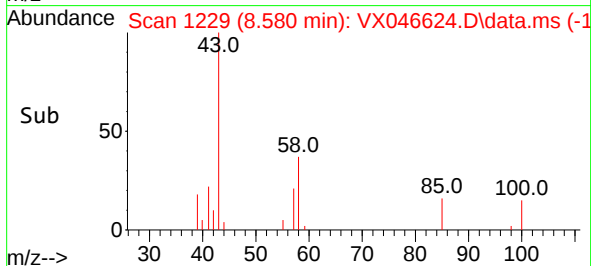
Ion	Ratio	Lower	Upper
43	100		
58	37.9	29.4	44.2
85	14.8	13.3	19.9

Manual Integrations

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Reviewed By :John Carlone 06/11/2025

Supervised By :Mahesh Dadoda 06/11/2025



#60

4-Bromofluorobenzene

Concen: 29.021 ug/l

RT: 11.079 min Scan# 1639

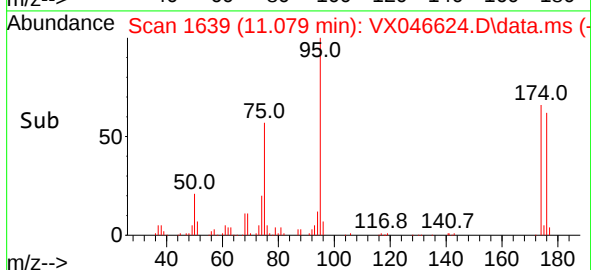
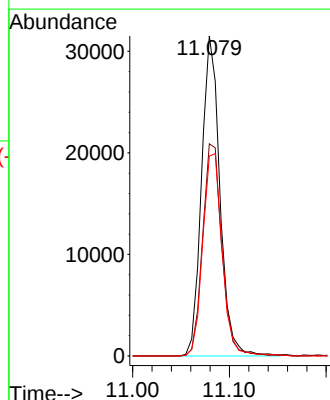
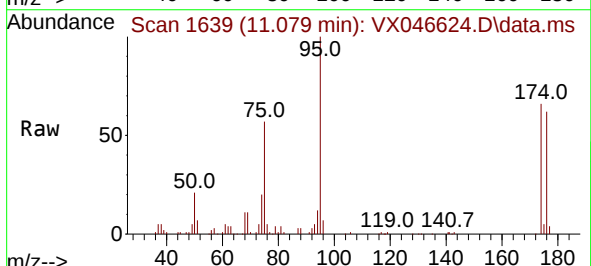
Delta R.T. 0.000 min

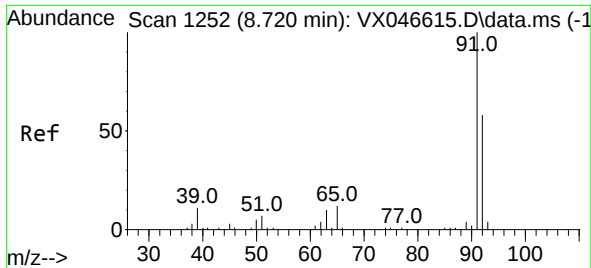
Lab File: VX046624.D

Acq: 11 Jun 2025 00:33

Tgt Ion: 95 Resp: 41689

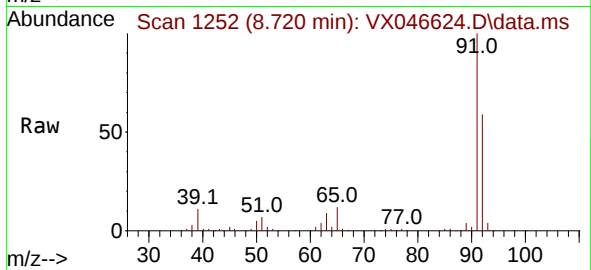
Ion	Ratio	Lower	Upper
95	100		
174	69.4	56.0	84.0
176	66.9	52.2	78.4





#62
Toluene
Concen: 264.301 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX046624.D
Acq: 11 Jun 2025 00:33

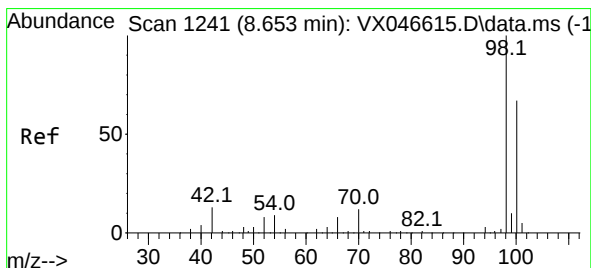
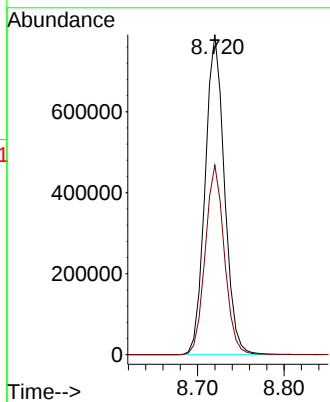
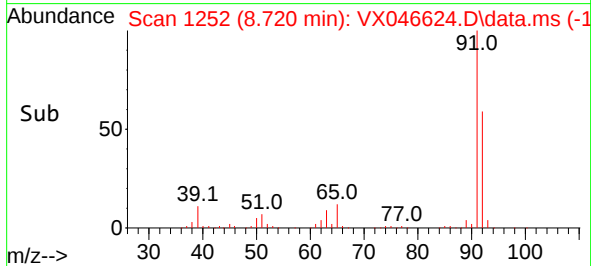
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



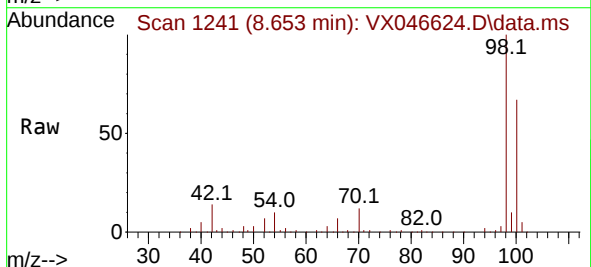
Tgt Ion: 91 Resp: 1220724
Ion Ratio Lower Upper
91 100
92 59.0 46.8 70.2

Manual Integrations
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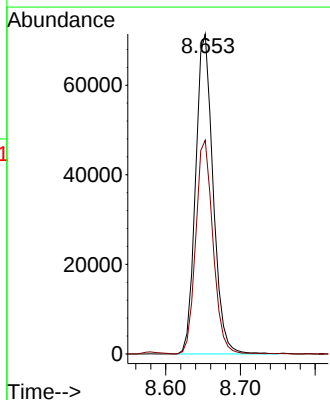
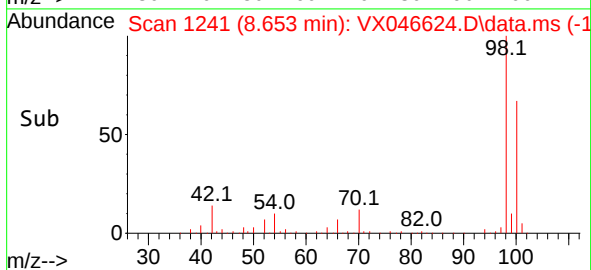
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

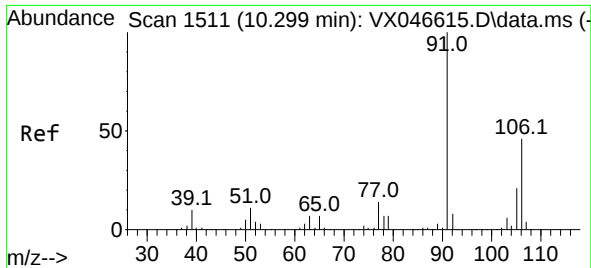


#63
Toluene-d8
Concen: 30.437 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX046624.D
Acq: 11 Jun 2025 00:33



Tgt Ion: 98 Resp: 115867
Ion Ratio Lower Upper
98 100
100 65.9 52.6 79.0





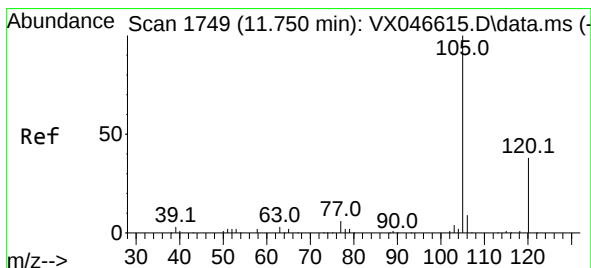
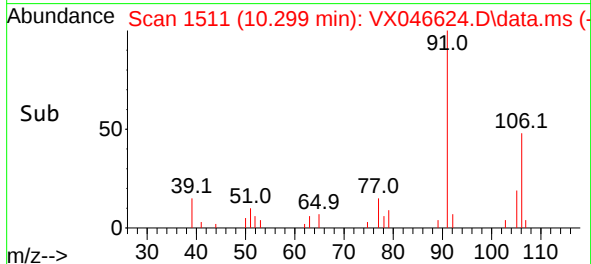
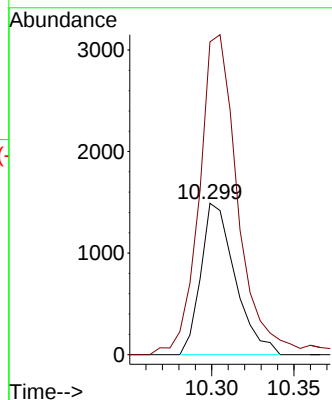
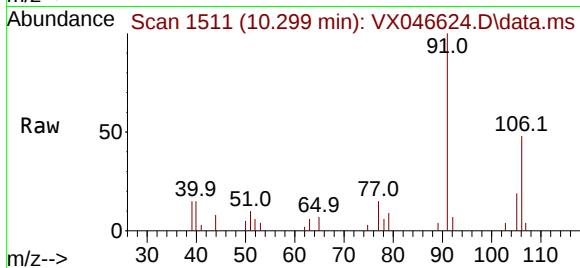
#67
m/p-Xylenes
Concen: 1.111 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046624.D
Acq: 11 Jun 2025 00:33

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

Tgt Ion:106 Resp: 216
Ion Ratio Lower Upper
106 100
91 236.3 171.5 257.3

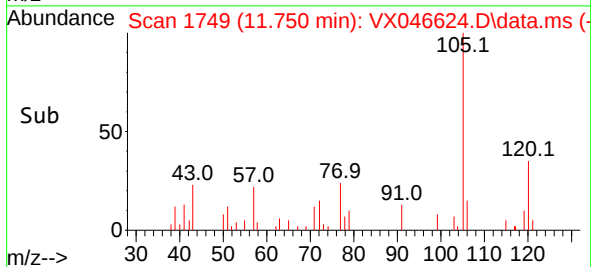
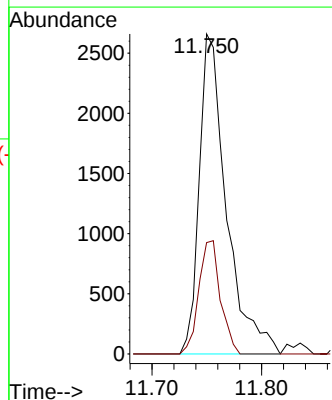
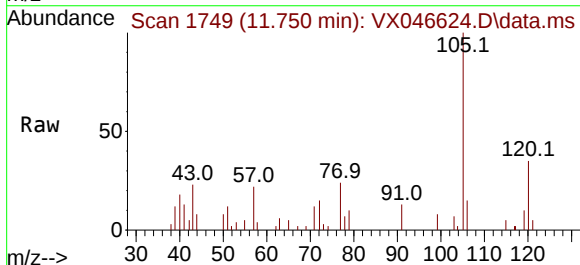
Manual Integrations
APPROVED

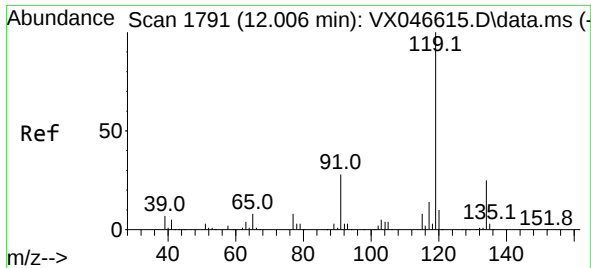
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#80
1,2,4-Trimethylbenzene
Concen: 1.106 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046624.D
Acq: 11 Jun 2025 00:33

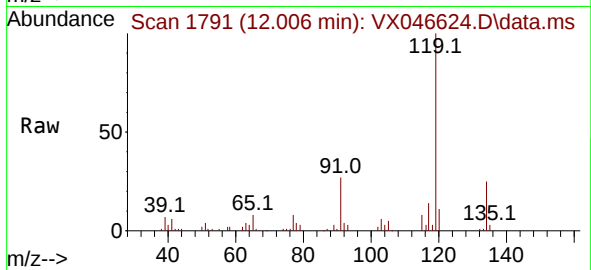
Tgt Ion:105 Resp: 4576
Ion Ratio Lower Upper
105 100
120 28.2 0.0 89.6





#82
 p-Isopropyltoluene
 Concen: 4.347 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046624.D
 Acq: 11 Jun 2025 00:33

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



Tgt Ion:119 Resp: 1906
 Ion Ratio Lower Upper
 119 100
 134 25.0 0.0 50.0
 91 27.5 0.0 54.0

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/11/2025
 Supervised By :Mahesh Dadoda 06/11/2025

