

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
 Data File : VX046632.D
 Acq On : 11 Jun 2025 12:57
 Operator : JC/MD
 Sample : Q2203-01DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jun 11 13:14:47 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 06/12/2025

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

Internal Standards						
1) Bromochloromethane	4.910	128	17527	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	97029	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	88227	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	45847	32.315	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 107.700%			
60) 4-Bromofluorobenzene	11.079	95	44578	29.977	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.933%			
63) Toluene-d8	8.653	98	116584	29.583	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.600%			
Target Compounds						
15) Acetone	2.392	58	4997	40.320	ug/l	Qvalue 74
16) Carbon Disulfide	2.538	76	10419m	3.589	ug/l	
30) 2-Butanone	4.587	43	3986	5.860	ug/l	# 75
62) Toluene	8.720	91	264566	55.333	ug/l	100
67) m/p-Xylenes	10.305	106	539	0.267	ug/l	86
82) p-Isopropyltoluene	12.006	119	4014	0.884	ug/l	100

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

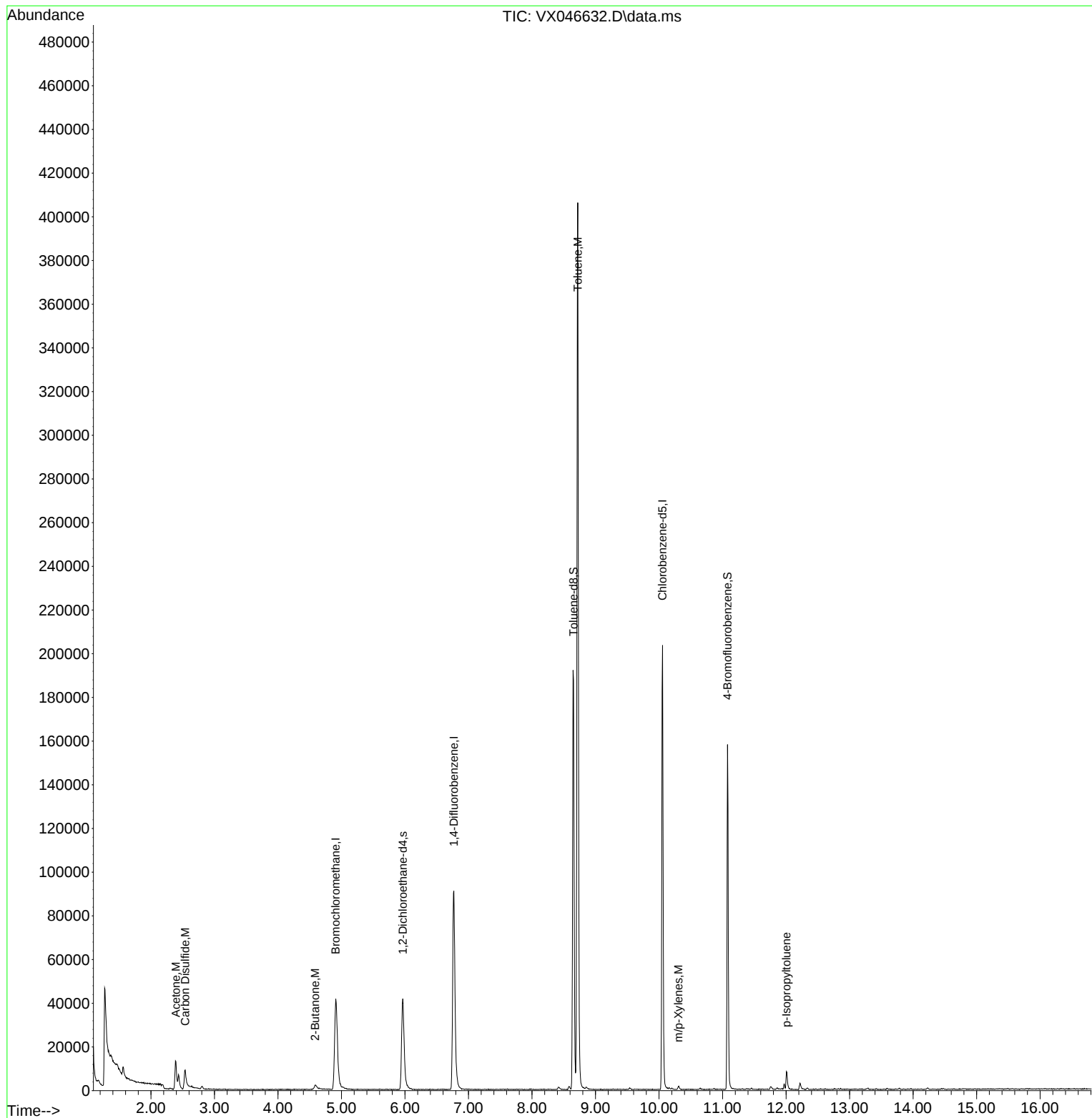
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046632.D
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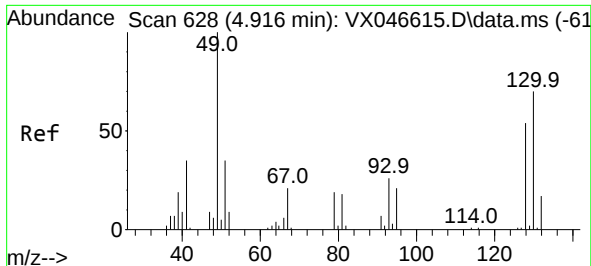
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

Quant Time: Jun 11 13:14:47 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
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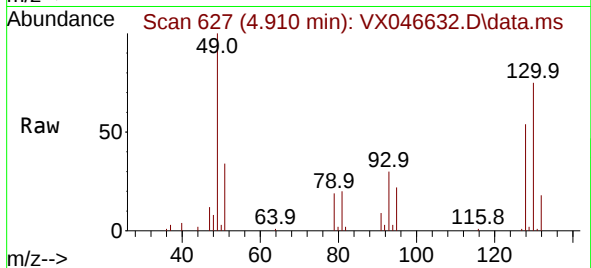
Reviewed By : John Carlone 06/11/2025
Supervised By : Mahesh Dadoda 06/12/2025





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX046632.D
Acq: 11 Jun 2025 12:57

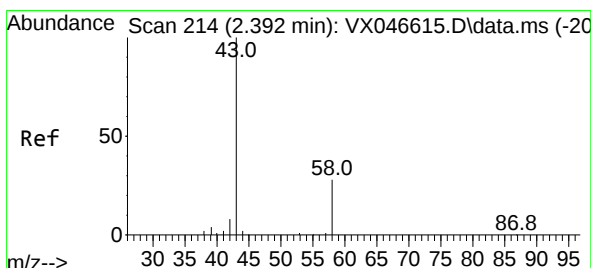
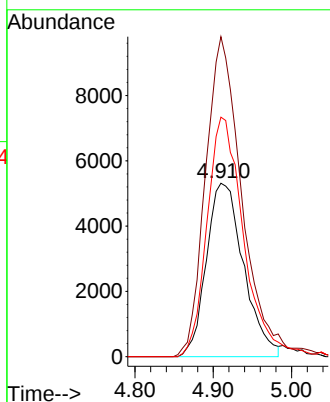
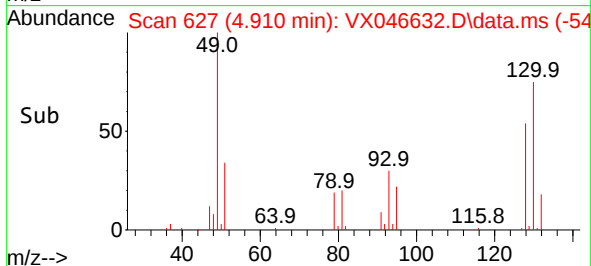
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL



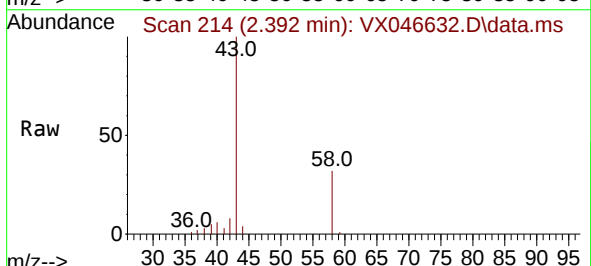
Tgt Ion:128 Resp: 1752
Ion Ratio Lower Upper
128 100
49 179.7 0.0 448.3
130 136.7 0.0 312.0

Manual Integrations
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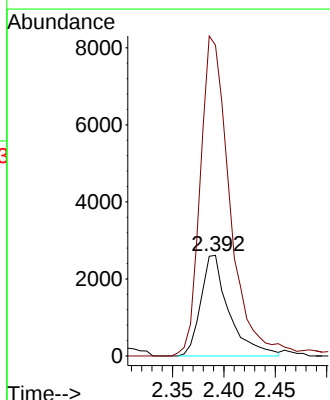
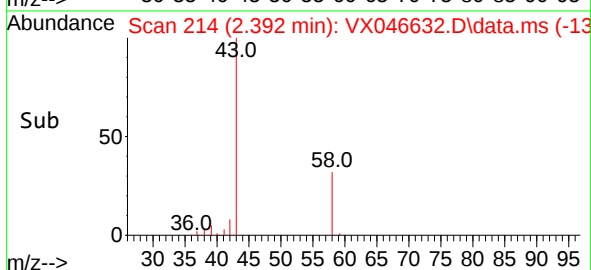
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/12/2025

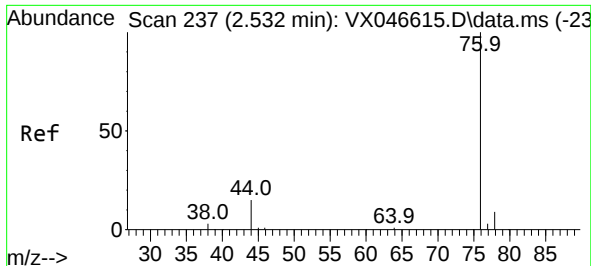


#15
Acetone
Concen: 40.320 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX046632.D
Acq: 11 Jun 2025 12:57



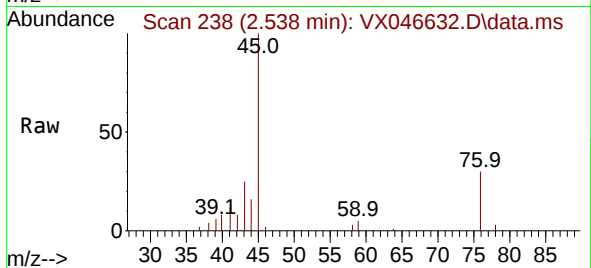
Tgt Ion: 58 Resp: 4997
Ion Ratio Lower Upper
58 100
43 305.8 290.6 435.8





#16
Carbon Disulfide
Concen: 3.589 ug/l m
RT: 2.538 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046632.D
Acq: 11 Jun 2025 12:57

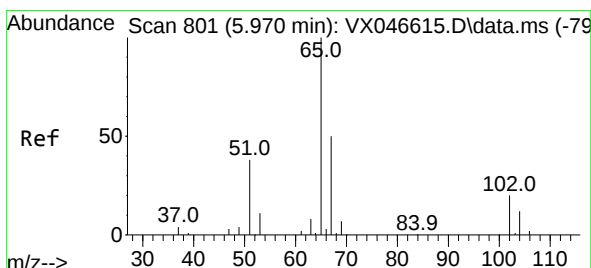
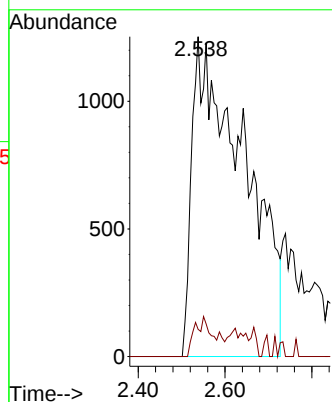
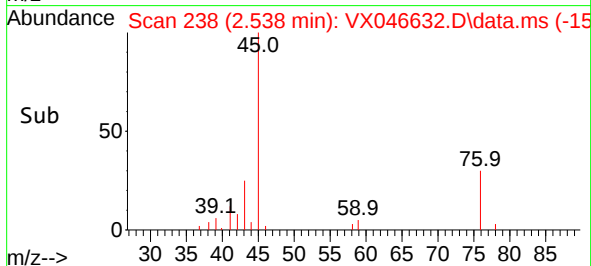
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL



Tgt Ion: 76 Resp: 10419
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0

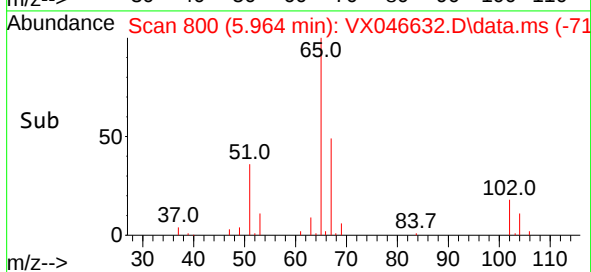
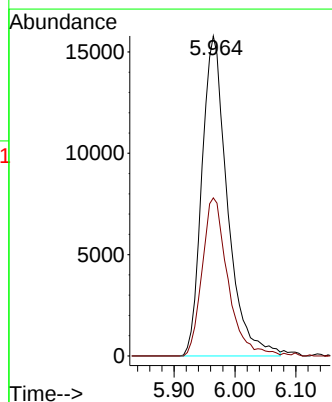
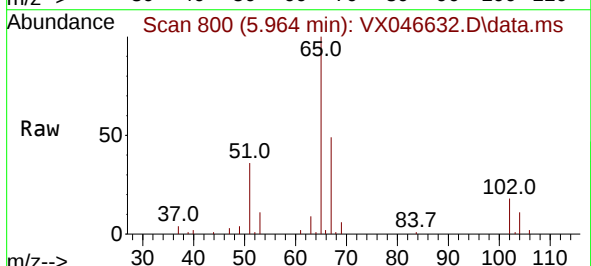
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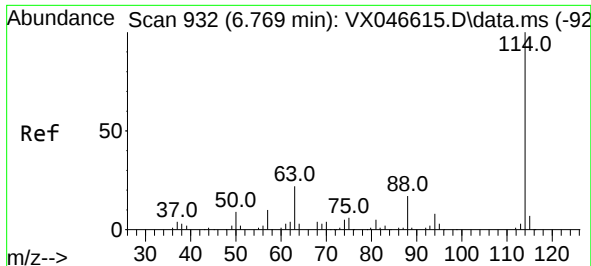
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/12/2025



#27
1,2-Dichloroethane-d4
Concen: 32.315 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.006 min
Lab File: VX046632.D
Acq: 11 Jun 2025 12:57

Tgt Ion: 65 Resp: 45847
Ion Ratio Lower Upper
65 100
67 48.5 41.4 62.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX046632.D

Acq: 11 Jun 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)DL

Tgt Ion: 114 Resp: 97029

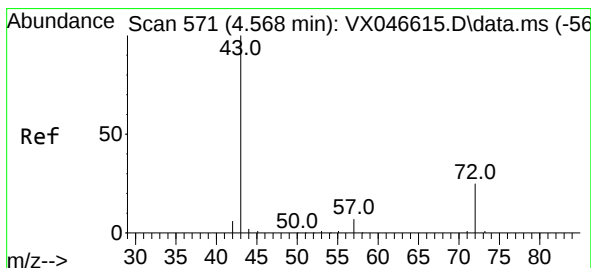
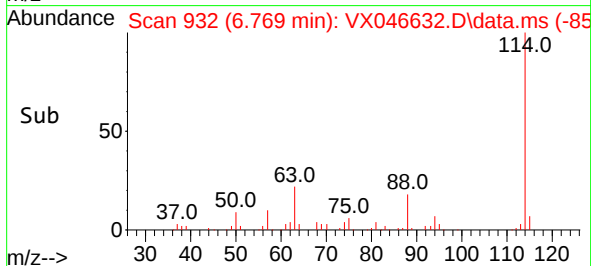
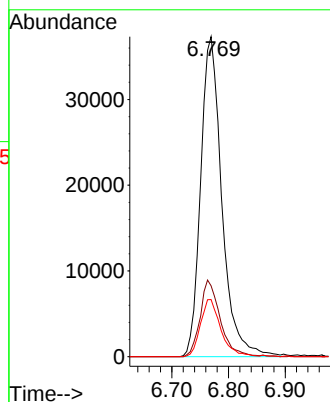
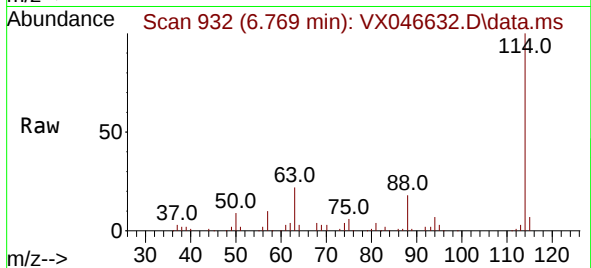
Ion	Ratio	Lower	Upper
114	100		
63	22.6	18.1	27.1
88	17.2	14.1	21.1

Manual Integrations

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Supervised By :Mahesh Dadoda 06/12/2025



#30

2-Butanone

Concen: 5.860 ug/l

RT: 4.587 min Scan# 574

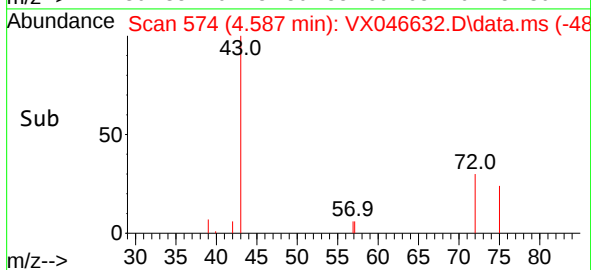
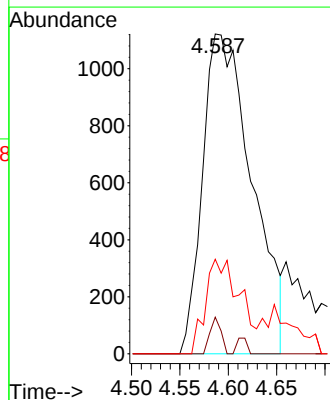
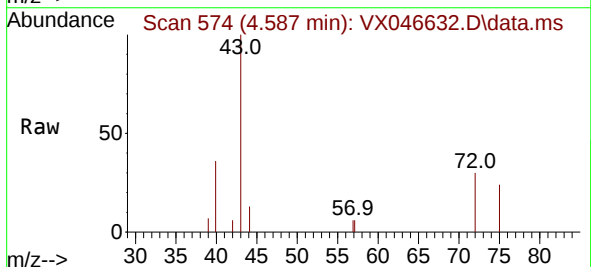
Delta R.T. 0.018 min

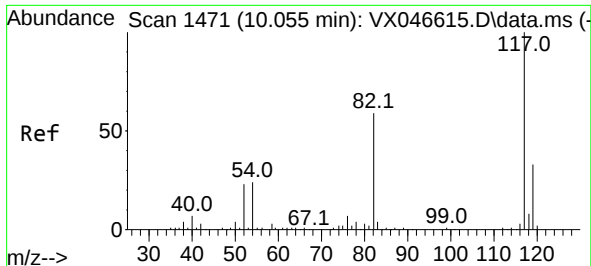
Lab File: VX046632.D

Acq: 11 Jun 2025 12:57

Tgt Ion: 43 Resp: 3986

Ion	Ratio	Lower	Upper
43	100		
57	2.6	5.8	8.6#
72	10.3	19.4	29.2#





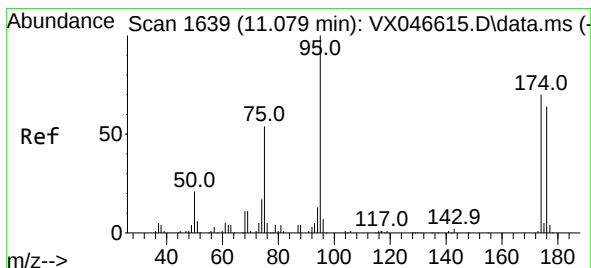
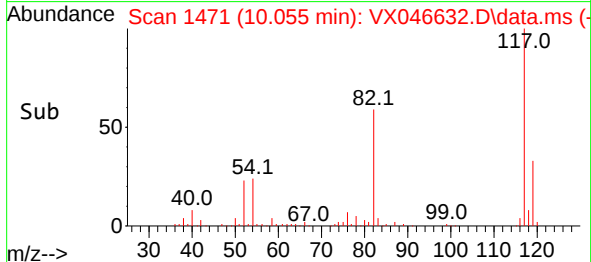
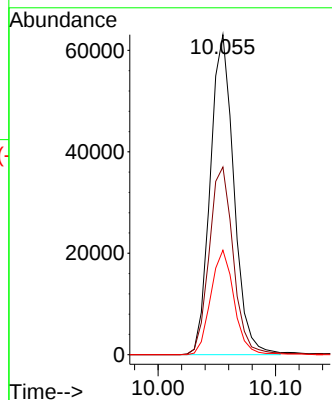
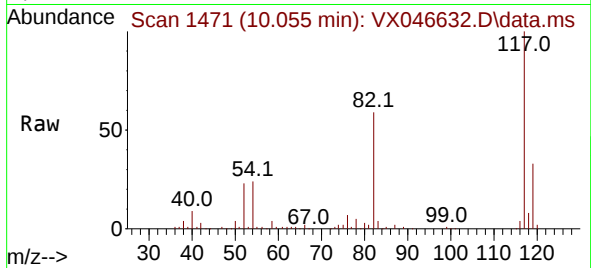
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046632.D
Acq: 11 Jun 2025 12:57

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

Tgt Ion:117 Resp: 8822
Ion Ratio Lower Upper
117 100
82 59.9 46.5 69.7
119 32.4 25.8 38.6

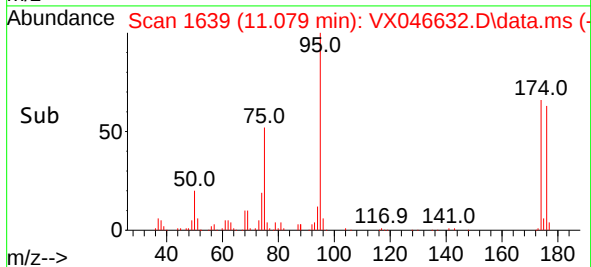
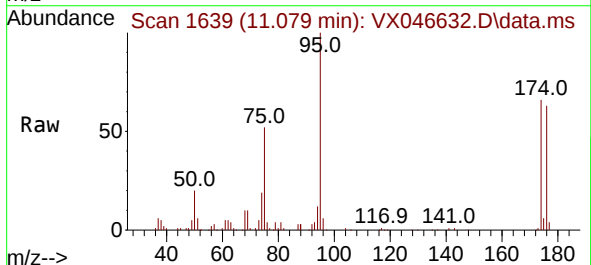
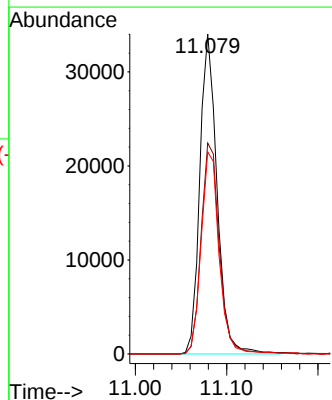
Manual Integrations
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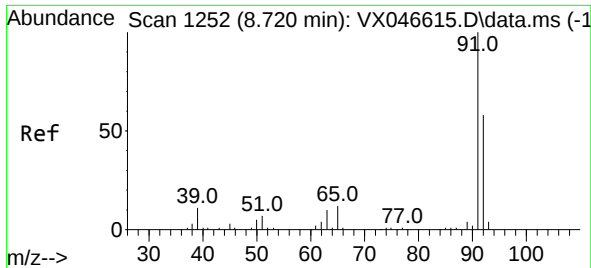
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/12/2025



#60
4-Bromofluorobenzene
Concen: 29.977 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046632.D
Acq: 11 Jun 2025 12:57

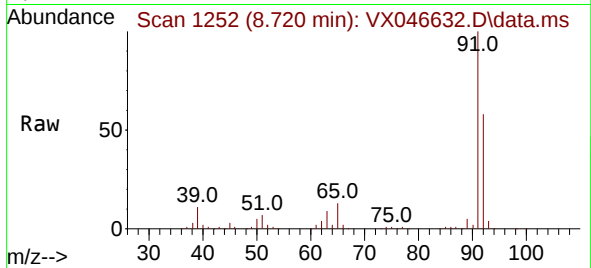
Tgt Ion: 95 Resp: 44578
Ion Ratio Lower Upper
95 100
174 69.4 56.0 84.0
176 65.3 52.2 78.4





#62
Toluene
Concen: 55.333 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX046632.D
Acq: 11 Jun 2025 12:57

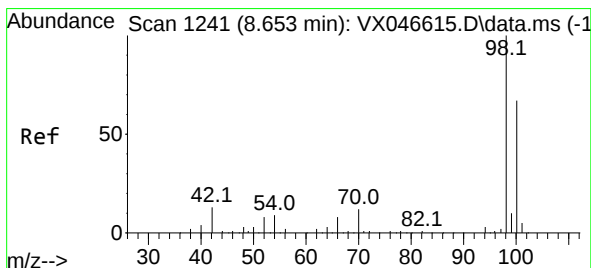
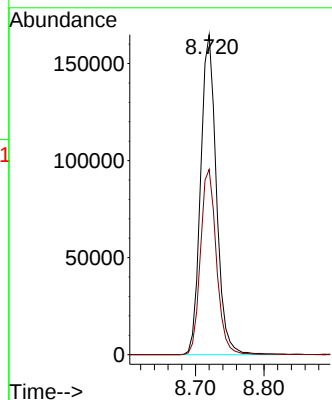
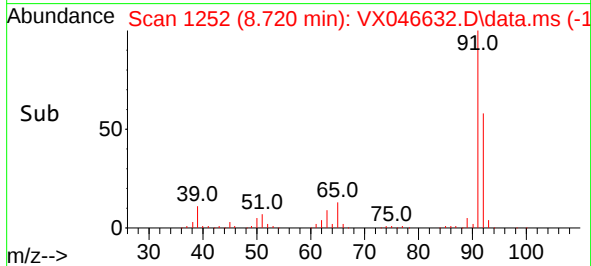
Instrument : MSVOA_X
ClientSampleId : 001-WILLETS-PT-BLVD(JUNE)DL



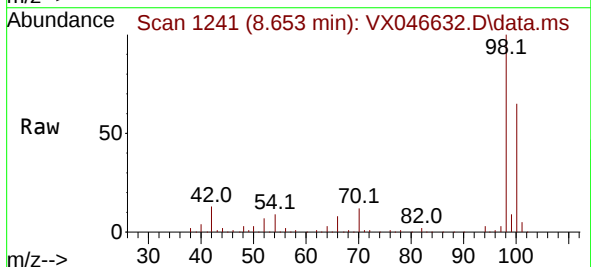
Tgt Ion: 91 Resp: 264560
Ion Ratio Lower Upper
91 100
92 58.5 46.8 70.2

Manual Integrations
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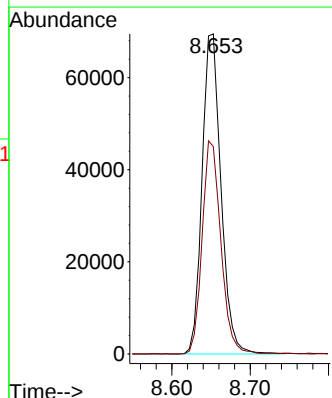
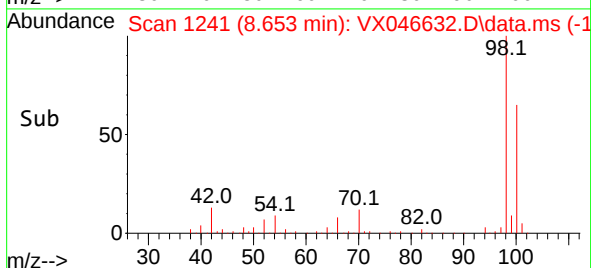
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/12/2025

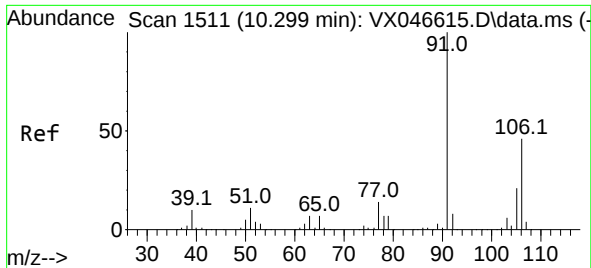


#63
Toluene-d8
Concen: 29.583 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX046632.D
Acq: 11 Jun 2025 12:57



Tgt Ion: 98 Resp: 116584
Ion Ratio Lower Upper
98 100
100 65.7 52.6 79.0





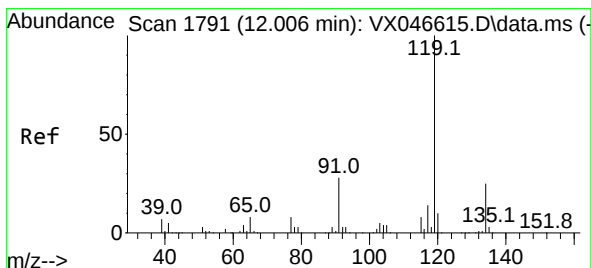
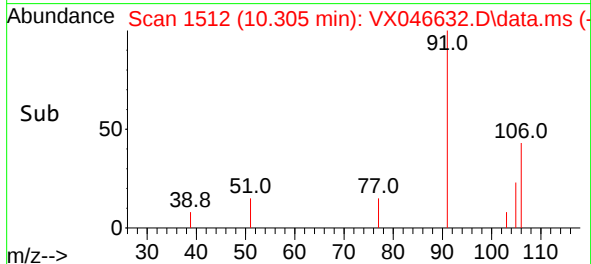
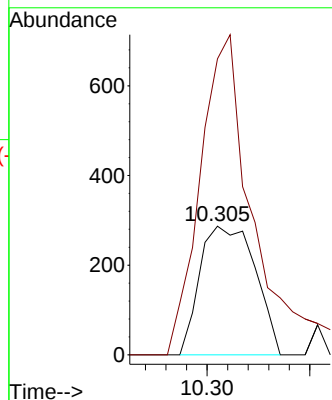
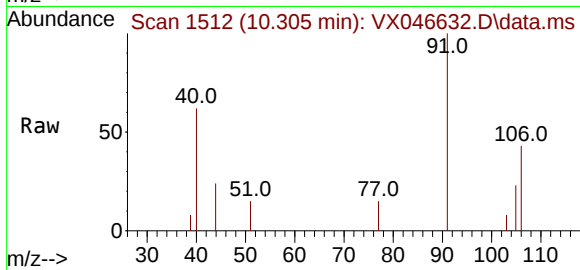
#67
m/p-Xylenes
Concen: 0.267 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX046632.D
Acq: 11 Jun 2025 12:57

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

Tgt Ion:106 Resp: 539
Ion Ratio Lower Upper
106 100
91 236.5 171.5 257.3

Manual Integrations
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Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/12/2025



#82
p-Isopropyltoluene
Concen: 0.884 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046632.D
Acq: 11 Jun 2025 12:57

Tgt Ion:119 Resp: 4014
Ion Ratio Lower Upper
119 100
134 25.0 0.0 50.0
91 27.2 0.0 54.0

