

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
 Data File : VX045291.D
 Acq On : 14 Mar 2025 12:59
 Operator : JC/MD
 Sample : Q1495-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Mar 15 03:58:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 01:06:36 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2025
 Supervised By : Mahesh Dadoda 03/18/2025

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

Internal Standards						
1) Bromochloromethane	4.898	128	16787	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.757	114	89621	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	84103	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	52904	32.448	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.167%			
60) 4-Bromofluorobenzene	11.079	95	45921	29.212	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.367%			
63) Toluene-d8	8.647	98	137123	29.472	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.233%			
Target Compounds						
15) Acetone	2.386	58	18421	92.858	ug/l	98
30) 2-Butanone	4.580	43	6941m	7.289	ug/l	
58) 4-Methyl-2-Pentanone	8.580	43	8007	4.185	ug/l	95
62) Toluene	8.714	91	104236	18.709	ug/l	99
82) p-Isopropyltoluene	12.006	119	2030	0.417	ug/l	98
91) Naphthalene	13.780	128	2471	0.478	ug/l #	96

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

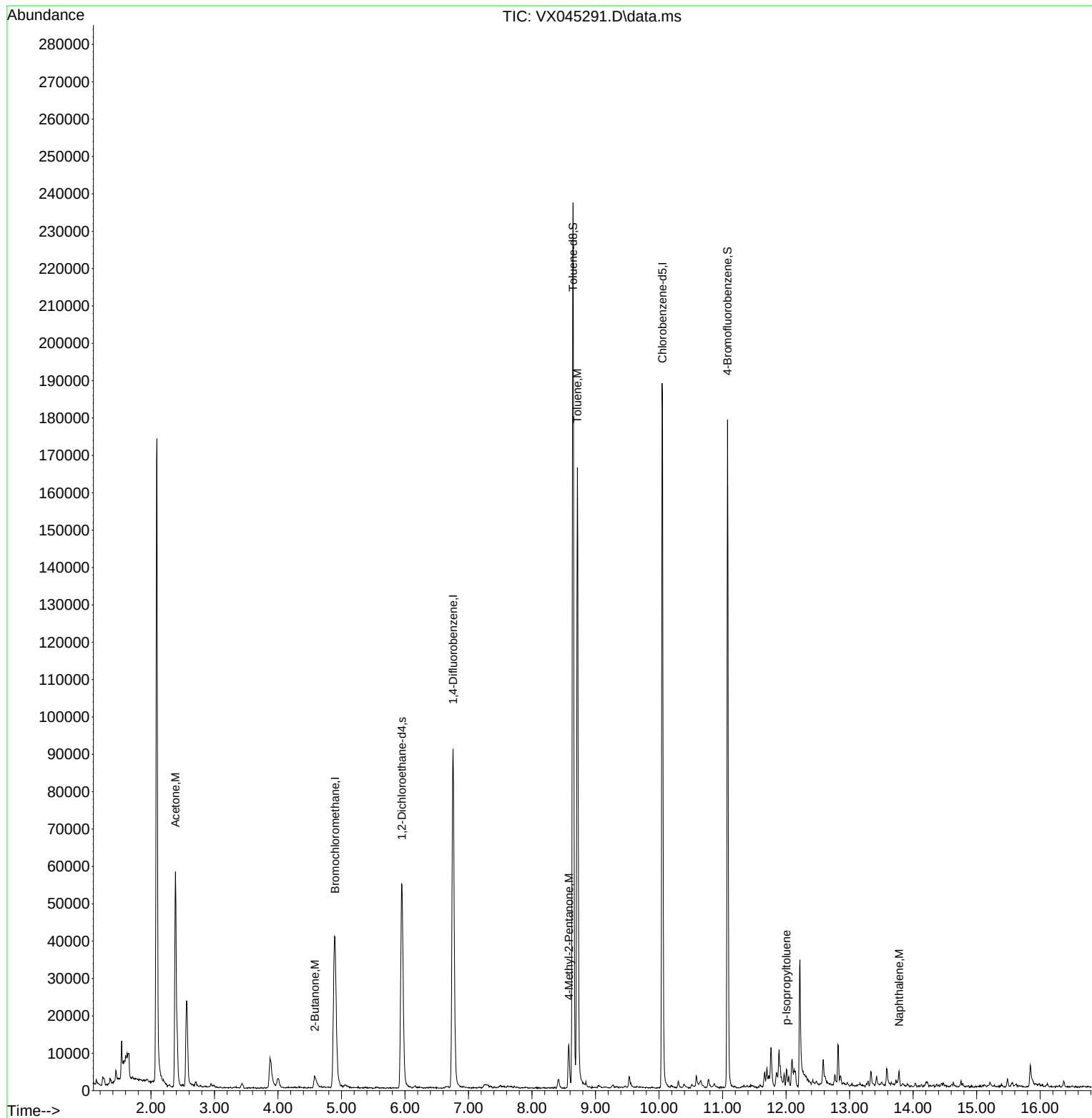
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
Data File : VX045291.D
Acq On : 14 Mar 2025 12:59
Operator : JC/MD
Sample : Q1495-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

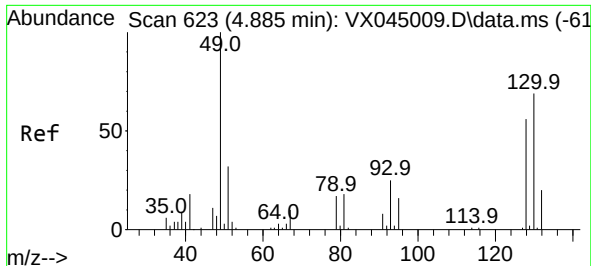
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(MAR)

Quant Time: Mar 15 03:58:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

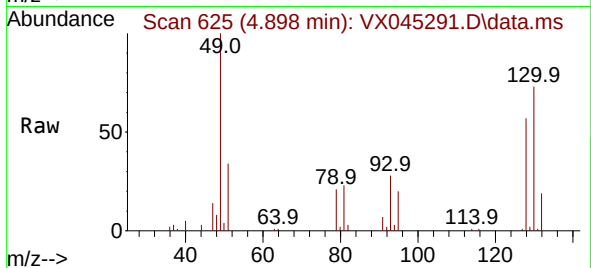
Reviewed By : John Carlone 03/18/2025
Supervised By : Mahesh Dadoda 03/18/2025





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX045291.D
Acq: 14 Mar 2025 12:59

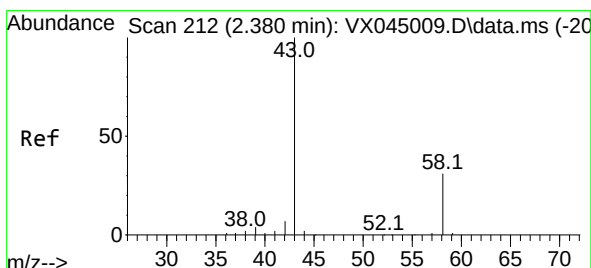
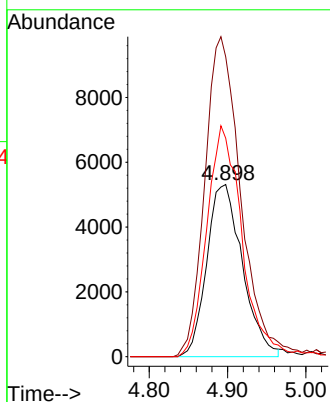
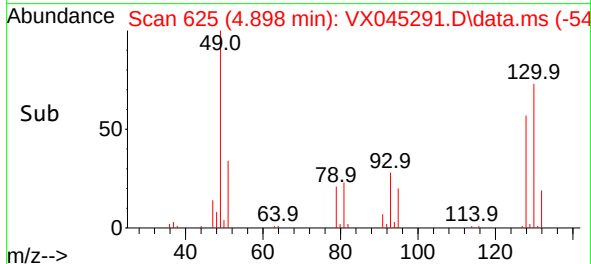
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(MAR)



Tgt Ion:128 Resp: 1678
Ion Ratio Lower Upper
128 100
49 187.9 0.0 449.7
130 131.9 0.0 312.7

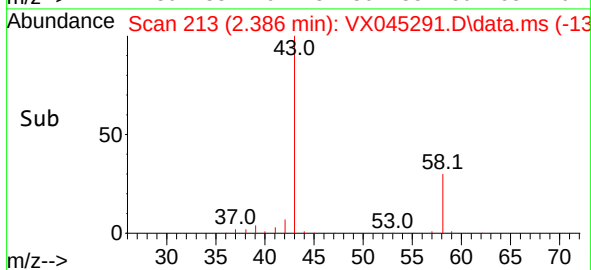
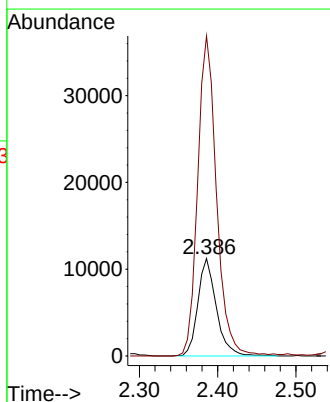
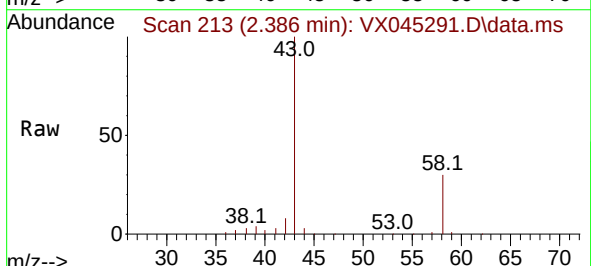
Manual Integrations
APPROVED

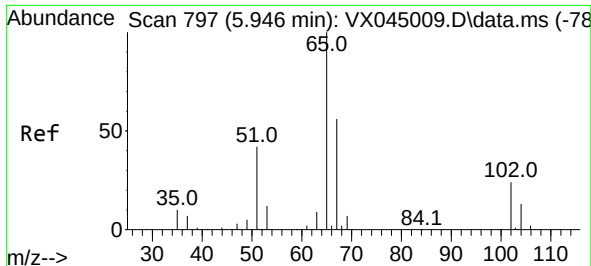
Reviewed By :John Carlone 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#15
Acetone
Concen: 92.858 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX045291.D
Acq: 14 Mar 2025 12:59

Tgt Ion: 58 Resp: 18421
Ion Ratio Lower Upper
58 100
43 328.0 258.6 388.0





#27

1,2-Dichloroethane-d4

Concen: 32.448 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX045291.D

Acq: 14 Mar 2025 12:59

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(MAR)

Tgt Ion: 65 Resp: 52904

Ion Ratio Lower Upper

65 100

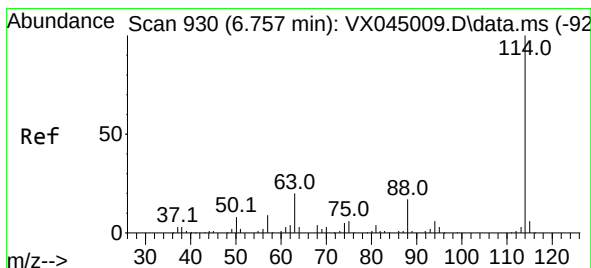
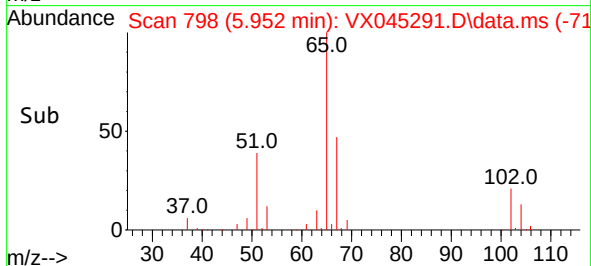
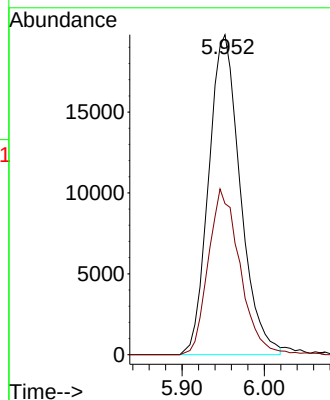
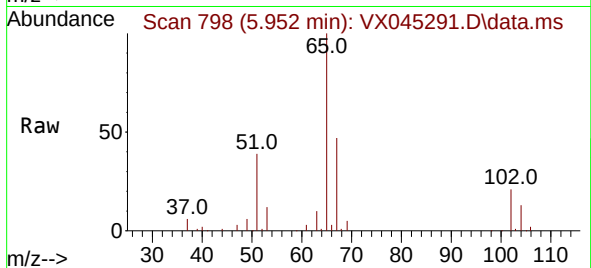
67 51.9 42.6 64.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/18/2025

Supervised By :Mahesh Dadoda 03/18/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045291.D

Acq: 14 Mar 2025 12:59

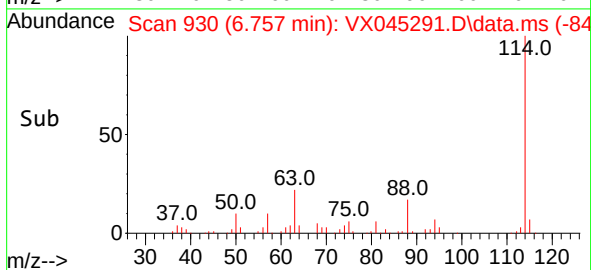
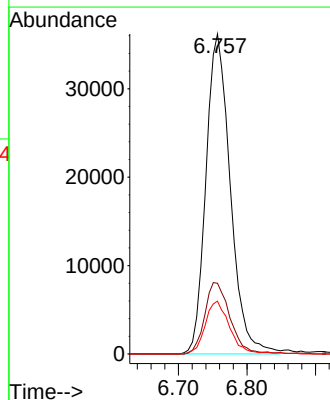
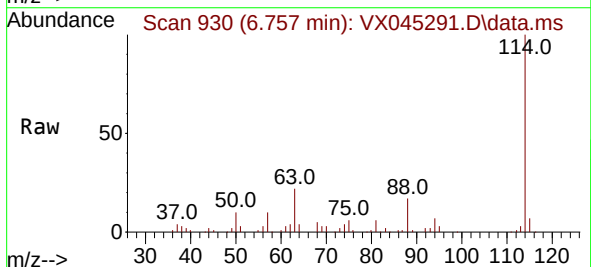
Tgt Ion:114 Resp: 89621

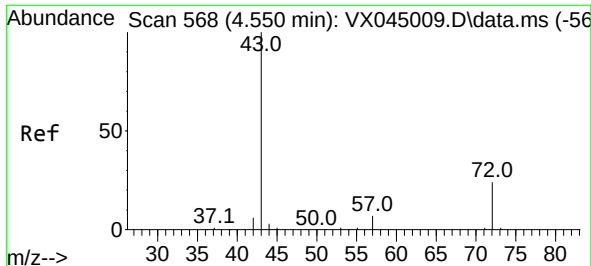
Ion Ratio Lower Upper

114 100

63 22.9 16.8 25.2

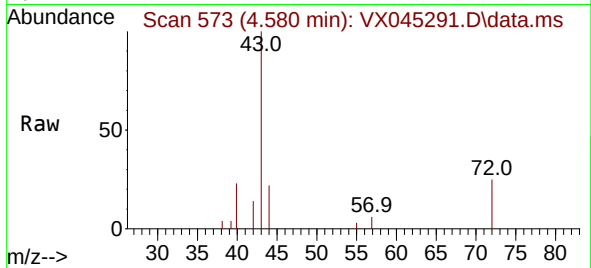
88 16.2 12.7 19.1





#30
2-Butanone
Concen: 7.289 ug/l m
RT: 4.580 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX045291.D
Acq: 14 Mar 2025 12:59

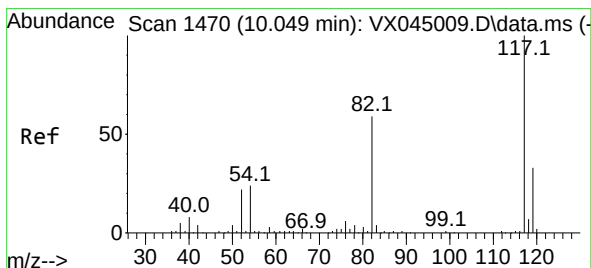
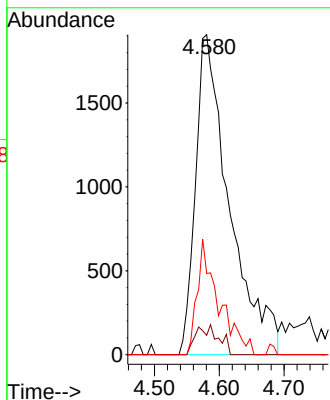
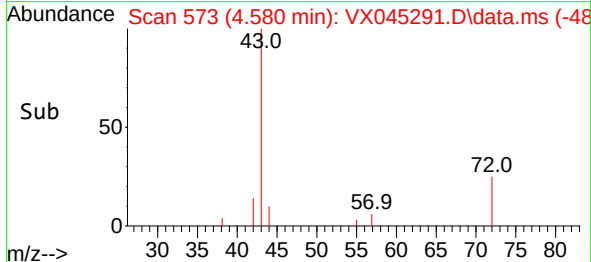
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(MAR)



Tgt Ion: 43 Resp: 694
Ion Ratio Lower Upper
43 100
57 3.1 6.2 9.2
72 0.0 20.2 30.2

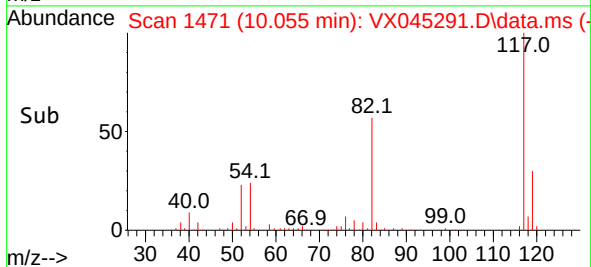
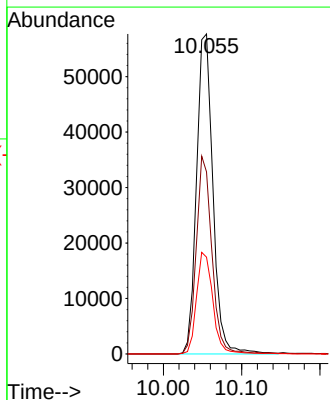
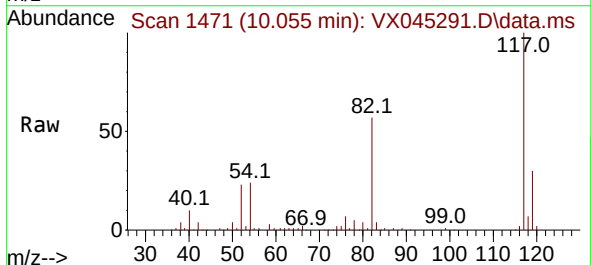
Manual Integrations
APPROVED

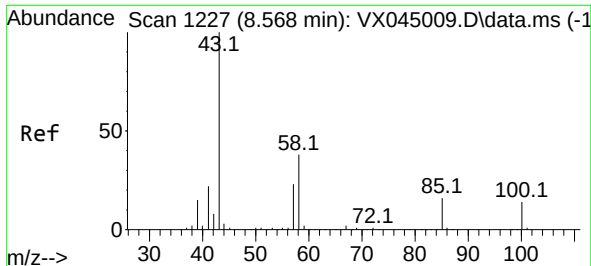
Reviewed By :John Carlone 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045291.D
Acq: 14 Mar 2025 12:59

Tgt Ion:117 Resp: 84103
Ion Ratio Lower Upper
117 100
82 58.6 45.8 68.8
119 31.5 25.5 38.3





#58

4-Methyl-2-Pentanone

Concen: 4.185 ug/l

RT: 8.580 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX045291.D

Acq: 14 Mar 2025 12:59

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(MAR)

Tgt Ion: 43 Resp: 800

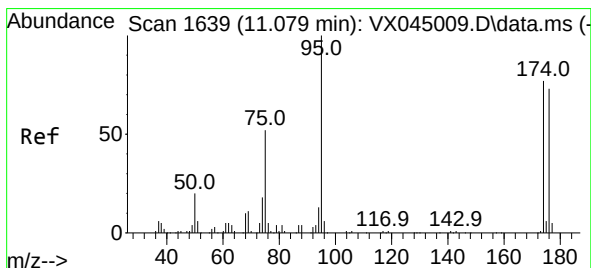
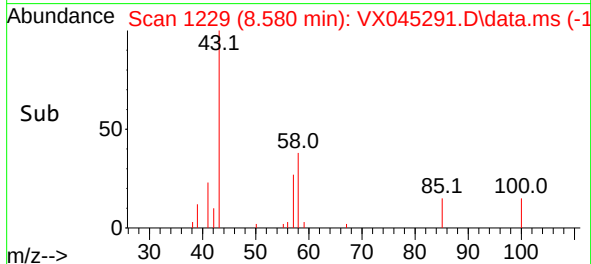
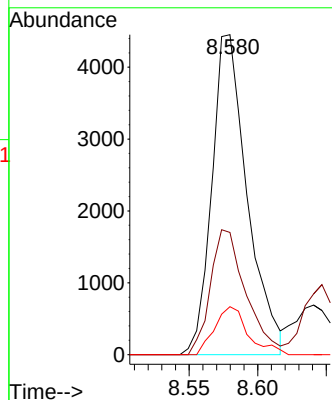
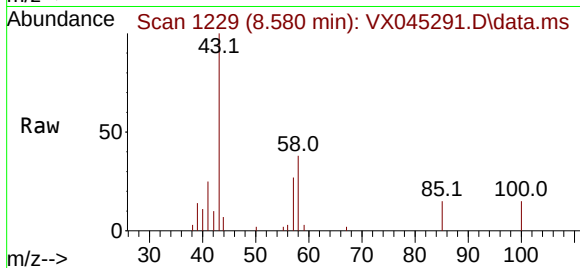
Ion	Ratio	Lower	Upper
43	100		
58	39.0	29.5	44.3
85	13.3	12.9	19.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/18/2025

Supervised By :Mahesh Dadoda 03/18/2025



#60

4-Bromofluorobenzene

Concen: 29.212 ug/l

RT: 11.079 min Scan# 1639

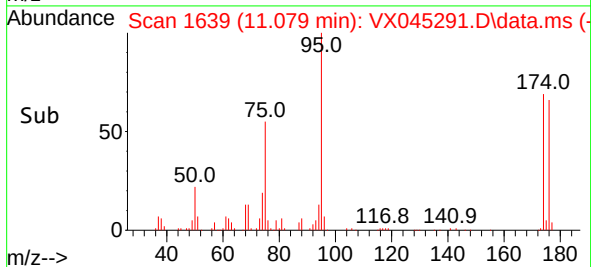
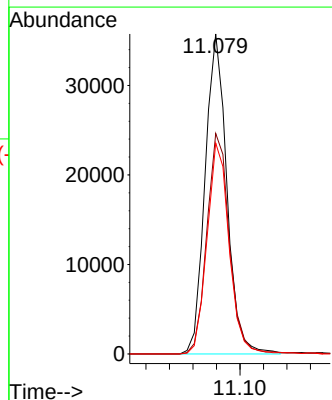
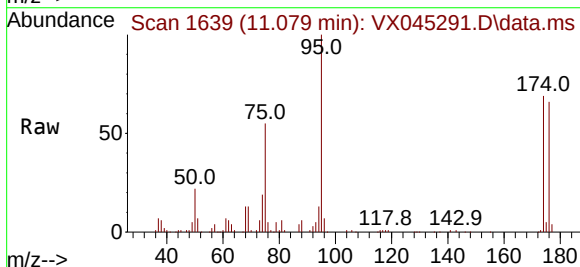
Delta R.T. -0.000 min

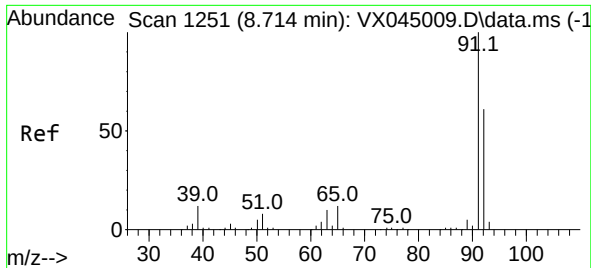
Lab File: VX045291.D

Acq: 14 Mar 2025 12:59

Tgt Ion: 95 Resp: 45921

Ion	Ratio	Lower	Upper
95	100		
174	71.5	59.5	89.3
176	66.8	55.5	83.3





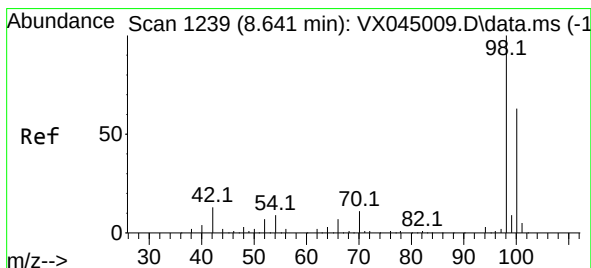
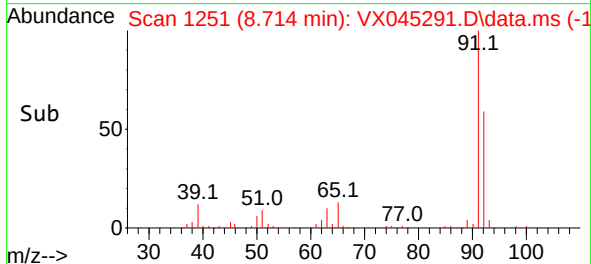
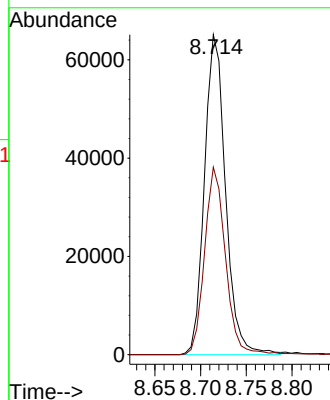
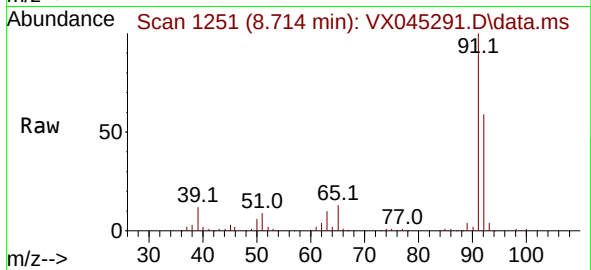
#62
Toluene
Concen: 18.709 ug/l
RT: 8.714 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045291.D
Acq: 14 Mar 2025 12:59

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

Tgt Ion: 91 Resp: 104230
Ion Ratio Lower Upper
91 100
92 58.1 46.9 70.3

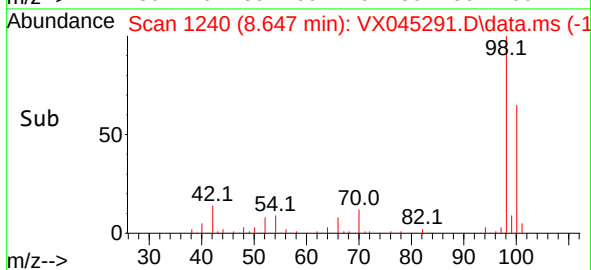
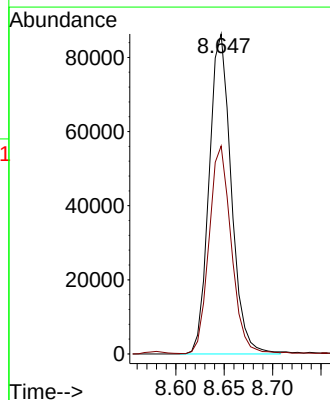
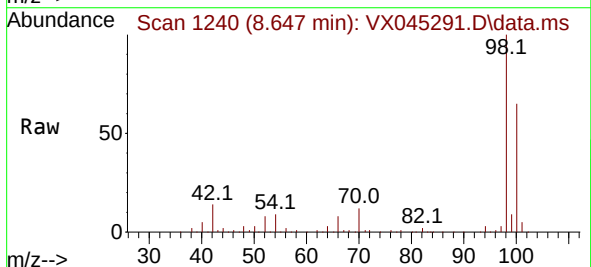
Manual Integrations
APPROVED

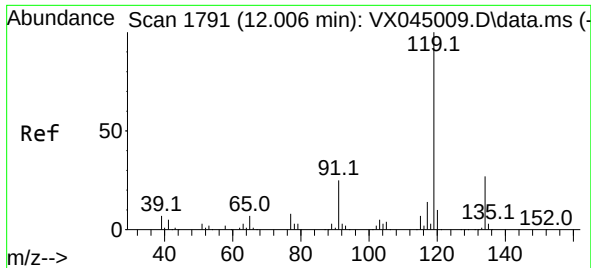
Reviewed By :John Carlone 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#63
Toluene-d8
Concen: 29.472 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX045291.D
Acq: 14 Mar 2025 12:59

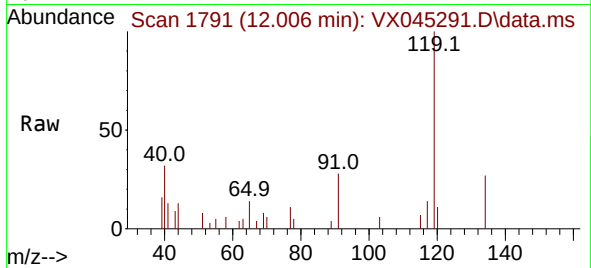
Tgt Ion: 98 Resp: 137123
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5





#82
p-Isopropyltoluene
Concen: 0.417 ug/l
RT: 12.006 min Scan# 119
Delta R.T. -0.000 min
Lab File: VX045291.D
Acq: 14 Mar 2025 12:59

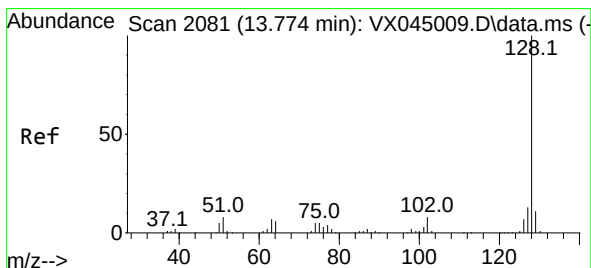
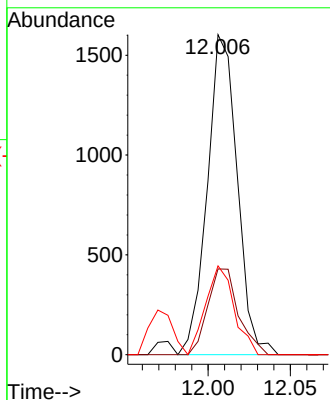
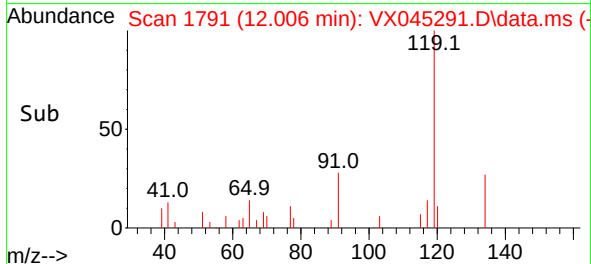
Instrument : MSVOA_X
ClientSampleId : 001-WILLETS-PT-BLVD(MAR)



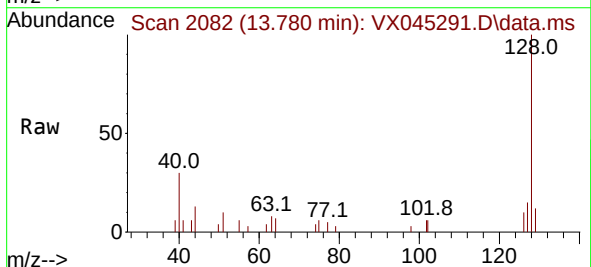
Tgt Ion:119 Resp: 2030
Ion Ratio Lower Upper
119 100
134 27.6 0.0 52.6
91 26.4 0.0 51.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#91
Naphthalene
Concen: 0.478 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045291.D
Acq: 14 Mar 2025 12:59



Tgt Ion:128 Resp: 2471
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 13.9 8.7 13.1#

