

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013025\
 Data File : VX044773.D
 Acq On : 30 Jan 2025 11:15
 Operator : JC/MD
 Sample : Q1212-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/30/2025
 Supervised By : Semsettin Yesilyurt 01/31/2025

Quant Time: Jan 30 12:09:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	28290	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	156525	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	141380	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	73294	26.837	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	89.467%#		
60) 4-Bromofluorobenzene	11.079	95	81100	29.533	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.433%		
63) Toluene-d8	8.647	98	229890	29.896	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.667%		
Target Compounds						
15) Acetone	2.380	58	11760	39.425	ug/l	100
16) Carbon Disulfide	2.502	76	2188	0.377	ug/l #	92
30) 2-Butanone	4.574	43	7447m	4.979	ug/l	
58) 4-Methyl-2-Pentanone	8.574	43	6707	2.251	ug/l	95
62) Toluene	8.714	91	633212	68.019	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	3749	0.486	ug/l	92
82) p-Isopropyltoluene	12.006	119	15074	1.951	ug/l	98
91) Naphthalene	13.780	128	3297	0.364	ug/l #	95

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

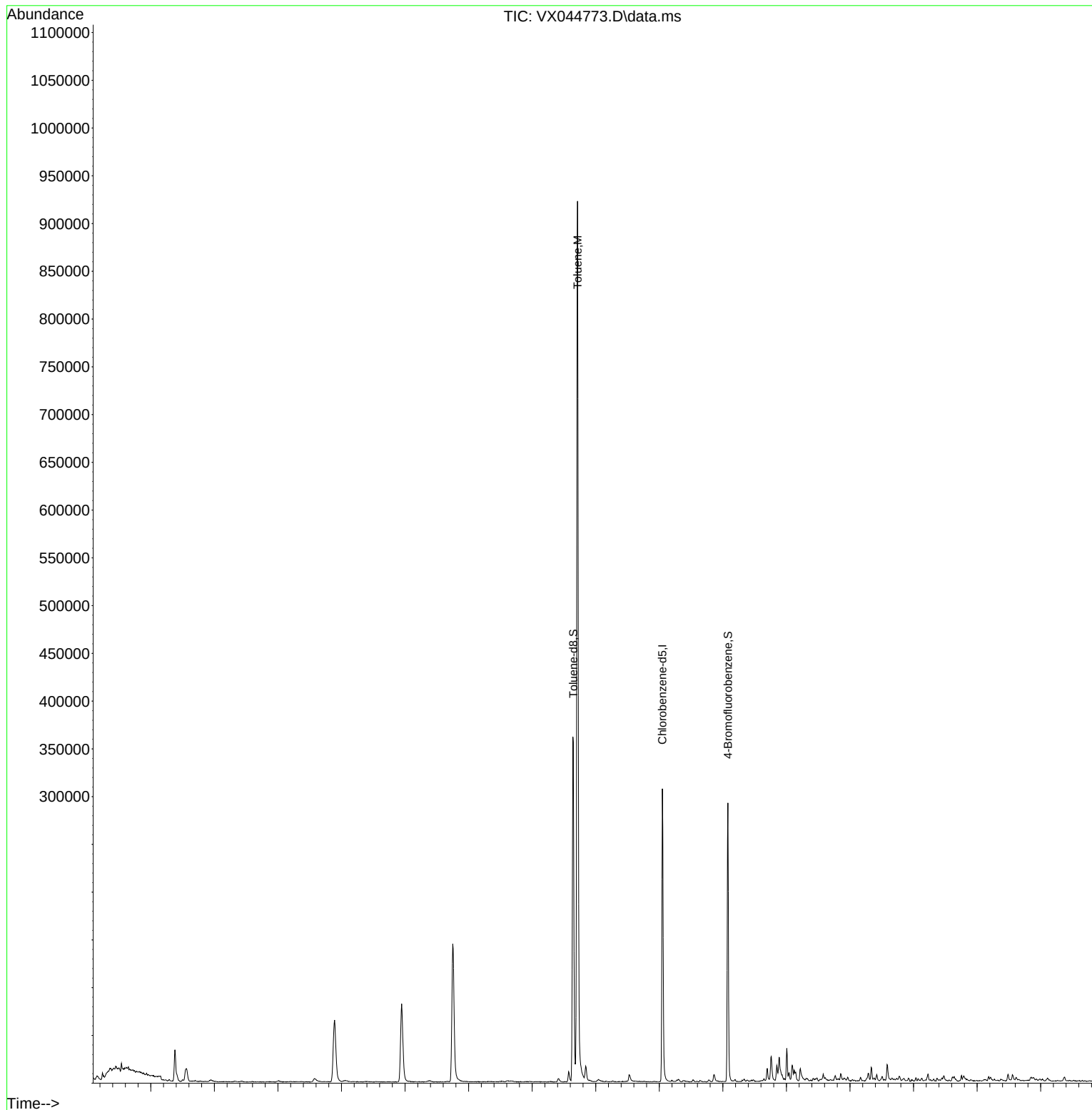
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013025\
Data File : VX044773.D
Acq On : 30 Jan 2025 11:15
Operator : JC/MD
Sample : Q1212-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

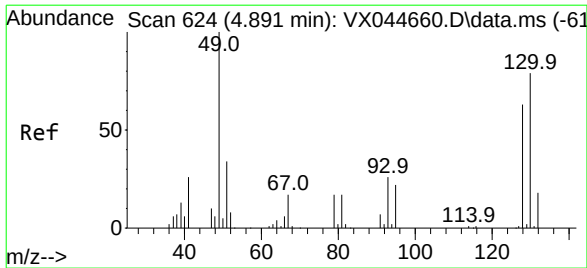
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JAN)

Quant Time: Jan 30 12:09:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
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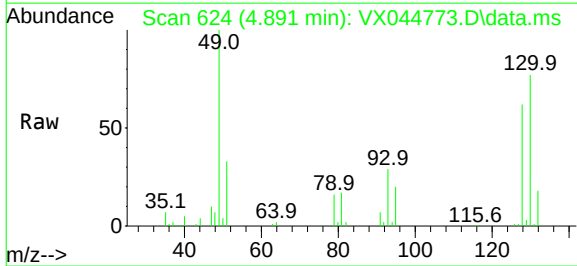
Reviewed By :John Carlone 01/30/2025
Supervised By :Semsettin Yesilyurt 01/31/2025





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 62
Delta R.T. 0.000 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

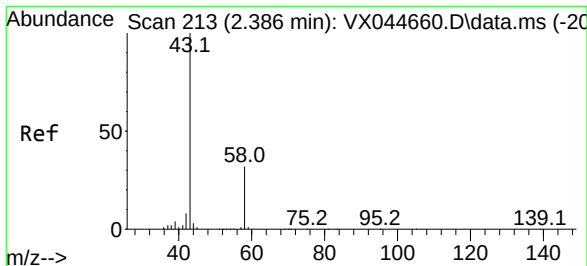
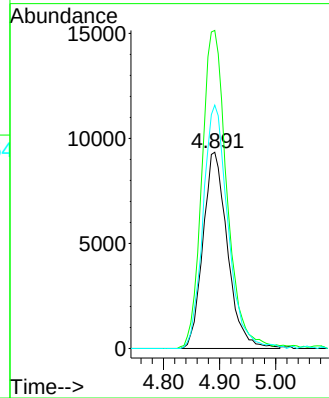
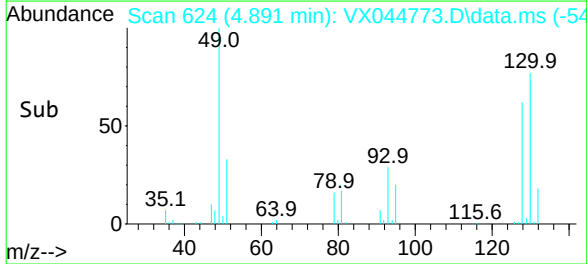
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JAN)



Tgt Ion:128 Resp: 28290
Ion Ratio Lower Upper
128 100
49 165.1 0.0 411.5
130 125.5 0.0 324.3

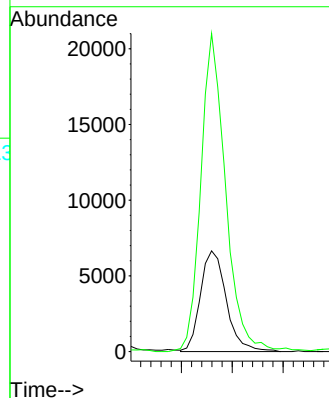
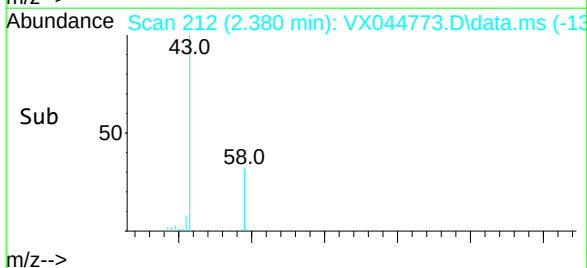
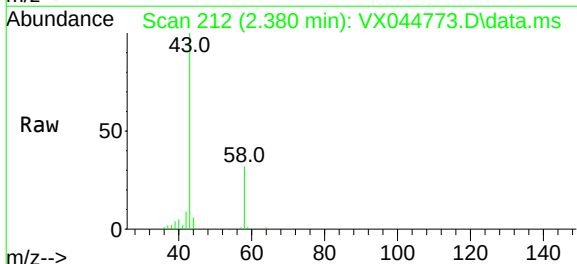
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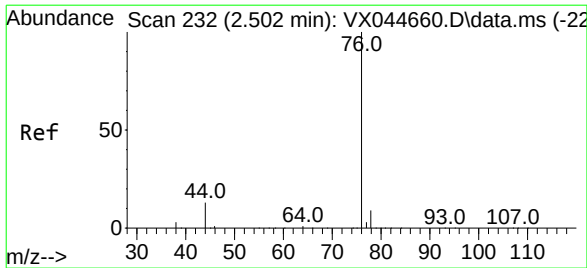
Reviewed By :John Carlone 01/30/2025
Supervised By :Semsettin Yesilyurt 01/31/2025



#15
Acetone
Concen: 39.425 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

Tgt Ion: 58 Resp: 11760
Ion Ratio Lower Upper
58 100
43 313.0 251.0 376.4





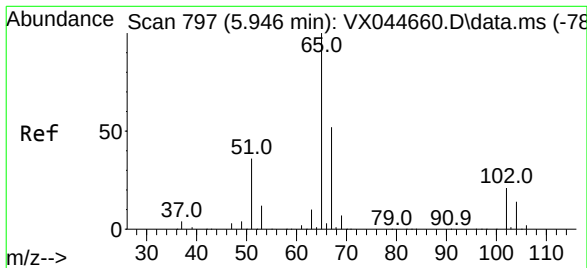
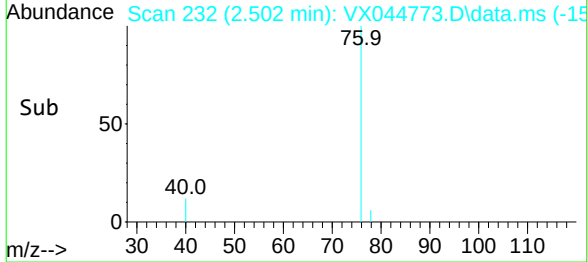
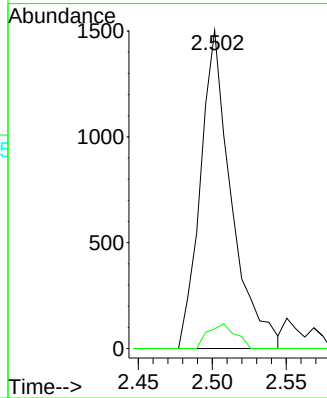
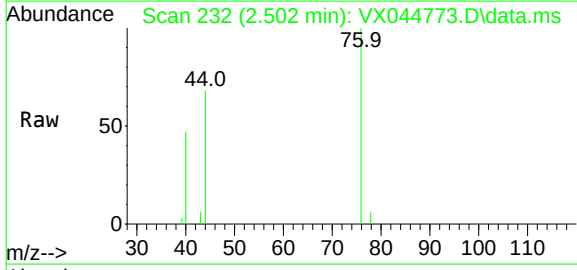
#16
Carbon Disulfide
Concen: 0.377 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

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

Tgt Ion: 76 Resp: 2188
Ion Ratio Lower Upper
76 100
78 6.2 7.3 10.9#

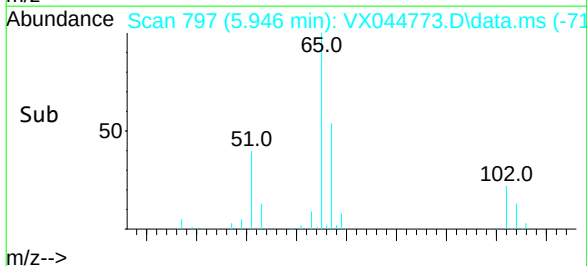
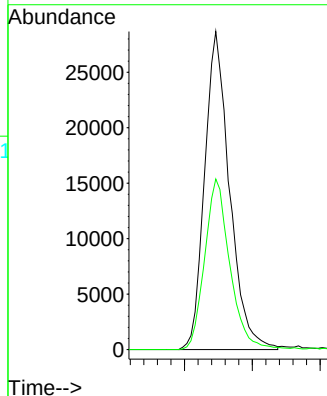
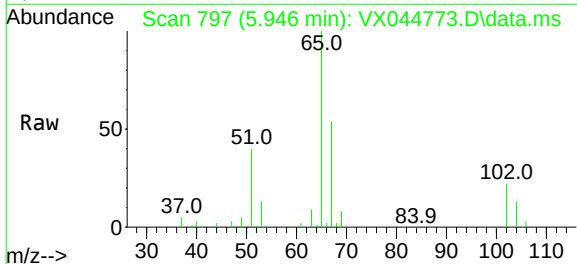
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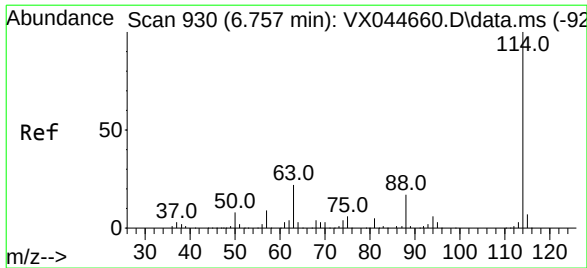
Reviewed By :John Carlone 01/30/2025
Supervised By :Semsettin Yesilyurt 01/31/2025



#27
1,2-Dichloroethane-d4
Concen: 26.837 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

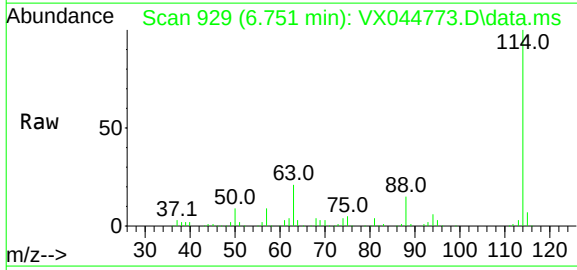
Tgt Ion: 65 Resp: 73294
Ion Ratio Lower Upper
65 100
67 54.1 41.4 62.2





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.751 min Scan# 92
Delta R.T. -0.006 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

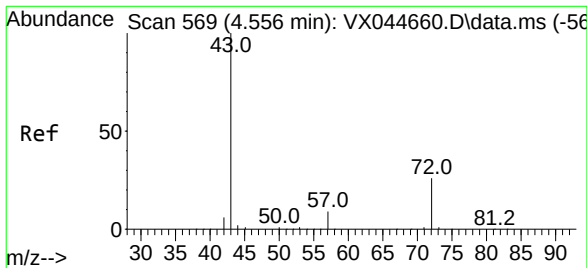
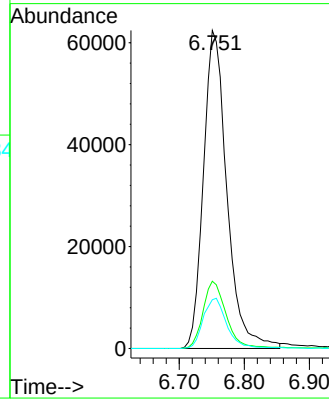
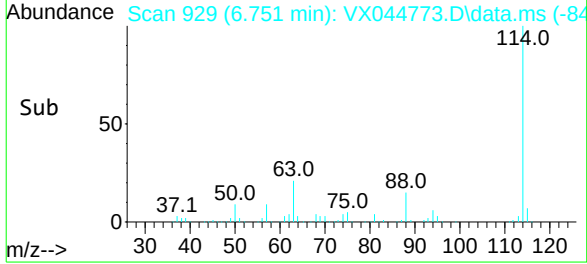
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JAN)



Tgt Ion: 114 Resp: 156525
Ion Ratio Lower Upper
114 100
63 20.8 16.6 24.8
88 15.9 13.4 20.2

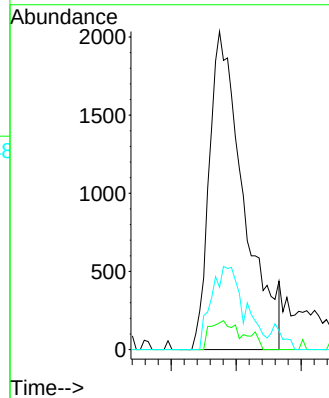
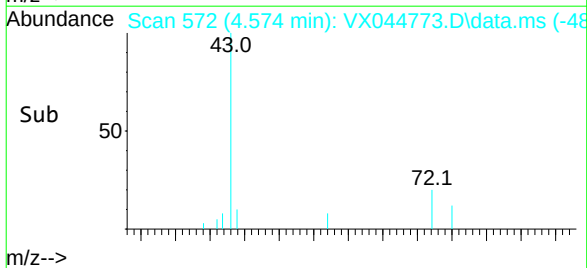
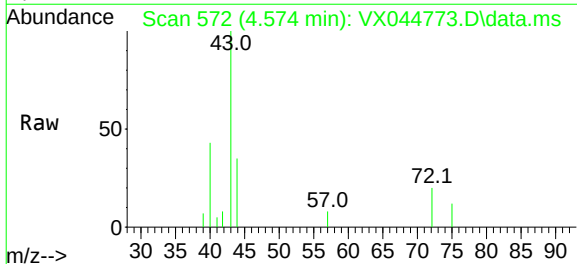
Manual Integrations
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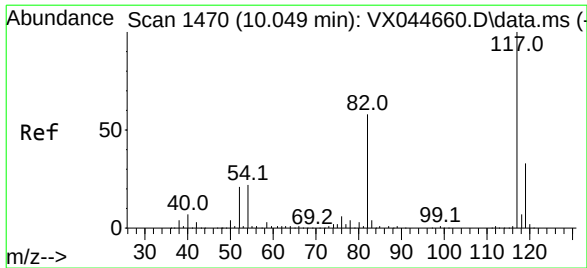
Reviewed By :John Carlone 01/30/2025
Supervised By :Semsettin Yesilyurt 01/31/2025



#30
2-Butanone
Concen: 4.979 ug/l m
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

Tgt Ion: 43 Resp: 7447
Ion Ratio Lower Upper
43 100
57 0.8 6.4 9.6#
72 20.6 21.5 32.3#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044773.D

Acq: 30 Jan 2025 11:15

Instrument :

MSVOA_X

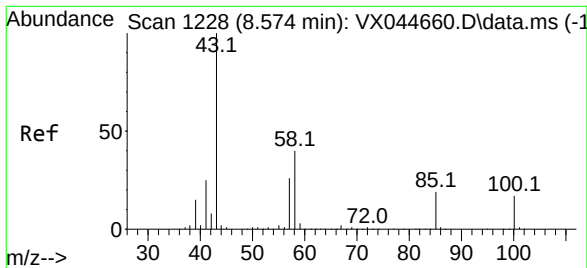
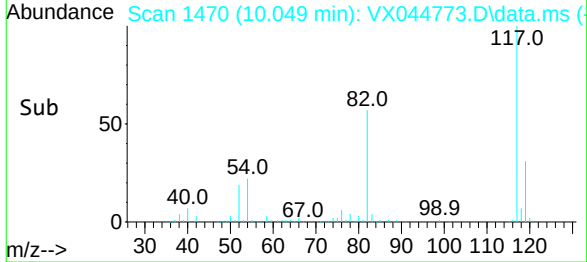
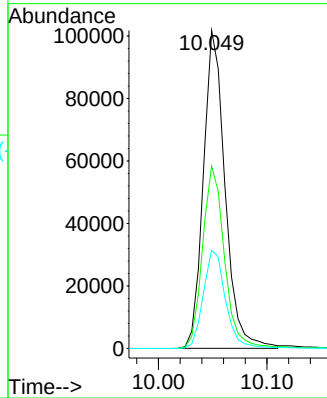
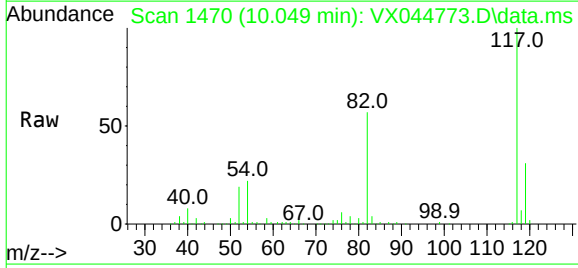
ClientSampleId :

001-WILLETS-PT-BLVD(JAN)

Tgt Ion:	117	Resp:	141380
Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.8	68.6
119	31.9	25.8	38.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/30/2025
Supervised By :Semsettin Yesilyurt 01/31/2025



#58

4-Methyl-2-Pentanone

Concen: 2.251 ug/l

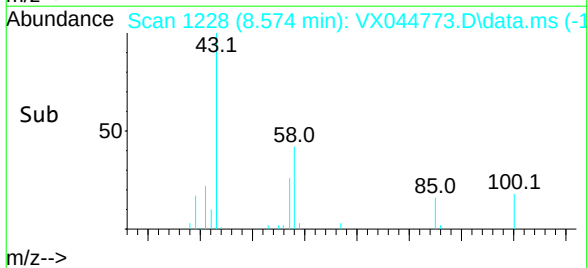
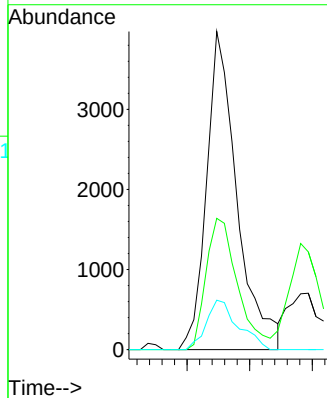
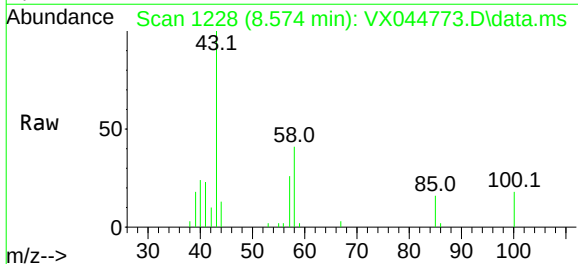
RT: 8.574 min Scan# 1228

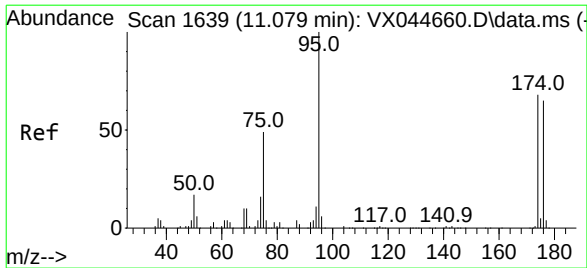
Delta R.T. 0.000 min

Lab File: VX044773.D

Acq: 30 Jan 2025 11:15

Tgt Ion:	43	Resp:	6707
Ion	Ratio	Lower	Upper
43	100		
58	42.8	31.7	47.5
85	16.3	15.0	22.6





#60

4-Bromofluorobenzene

Concen: 29.533 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044773.D

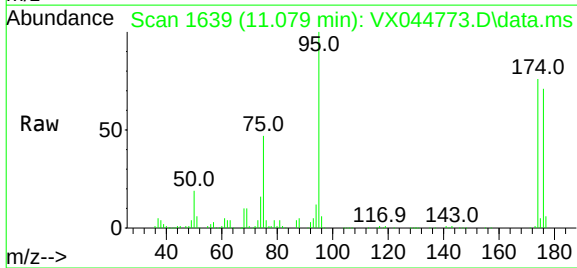
Acq: 30 Jan 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JAN)



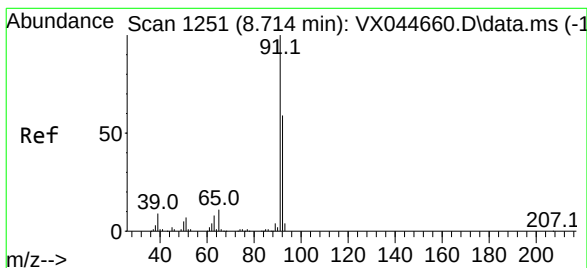
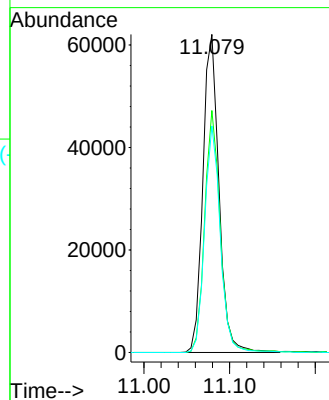
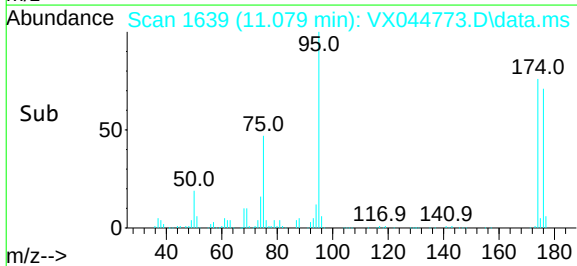
Tgt Ion:	95	Resp:	81100
Ion Ratio	Lower	Upper	
95	100		
174	73.0	54.6	81.8
176	69.4	52.8	79.2

Manual Integrations

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Supervised By :Semsettin Yesilyurt 01/31/2025



#62

Toluene

Concen: 68.019 ug/l

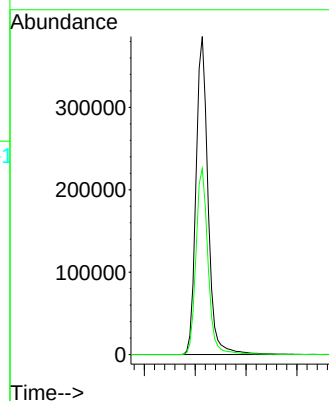
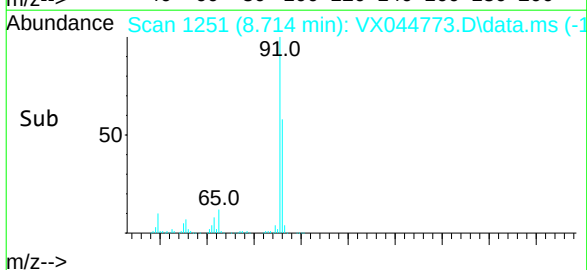
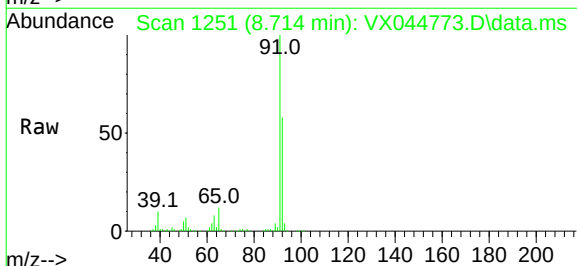
RT: 8.714 min Scan# 1251

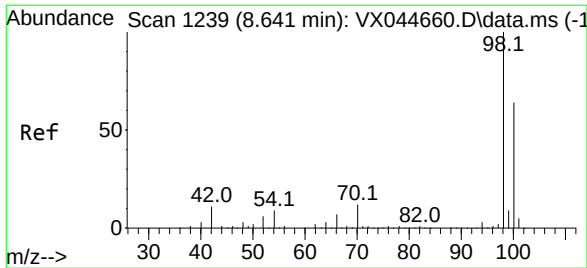
Delta R.T. 0.000 min

Lab File: VX044773.D

Acq: 30 Jan 2025 11:15

Tgt Ion:	91	Resp:	633212
Ion Ratio	Lower	Upper	
91	100		
92	58.7	47.3	70.9





#63

Toluene-d8

Concen: 29.896 ug/l

RT: 8.647 min Scan# 1239

Delta R.T. 0.006 min

Lab File: VX044773.D

Acq: 30 Jan 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JAN)

Tgt Ion: 98 Resp: 229896

Ion Ratio Lower Upper

98 100

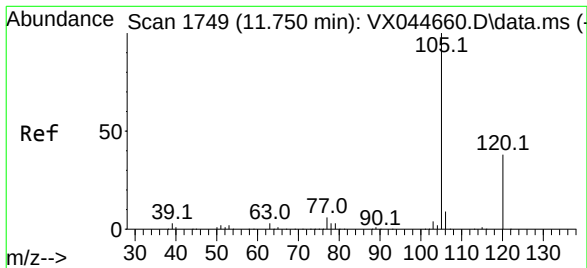
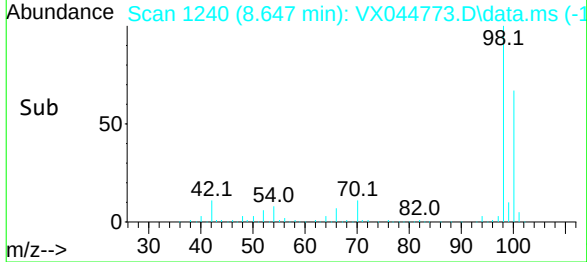
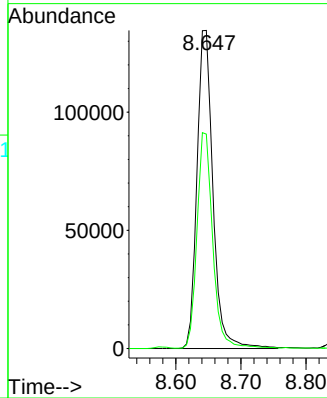
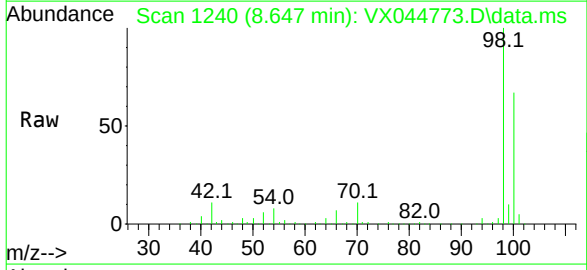
100 66.6 53.6 80.4

Manual Integrations

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Supervised By :Semsettin Yesilyurt 01/31/2025



#80

1,2,4-Trimethylbenzene

Concen: 0.486 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044773.D

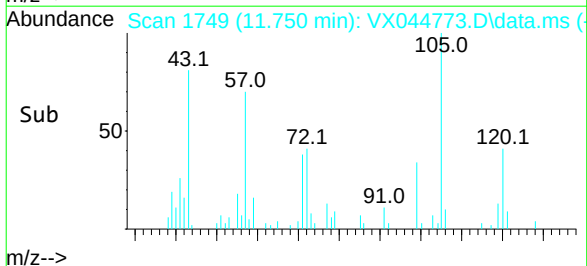
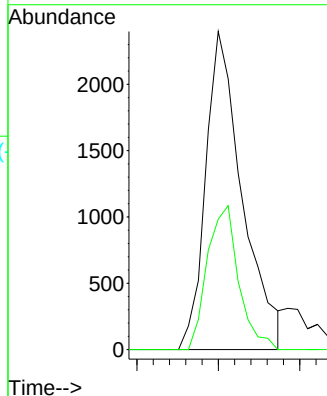
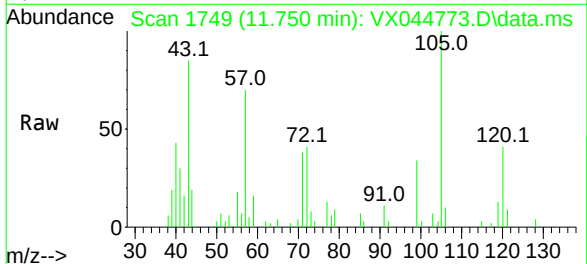
Acq: 30 Jan 2025 11:15

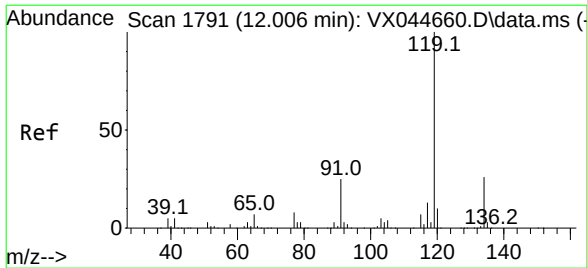
Tgt Ion:105 Resp: 3749

Ion Ratio Lower Upper

105 100

120 38.7 0.0 88.4





#82

p-Isopropyltoluene

Concen: 1.951 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044773.D

Acq: 30 Jan 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JAN)

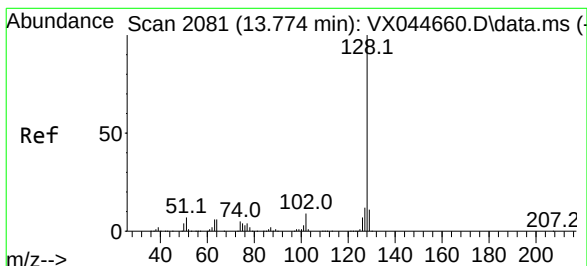
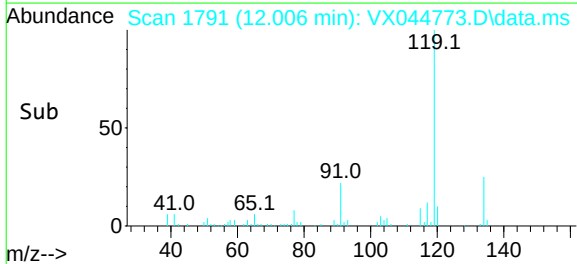
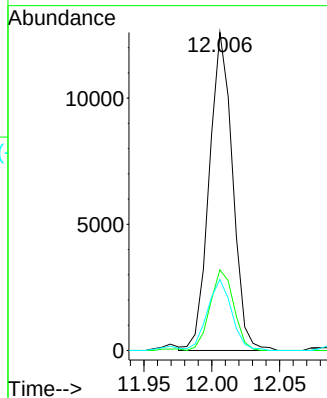
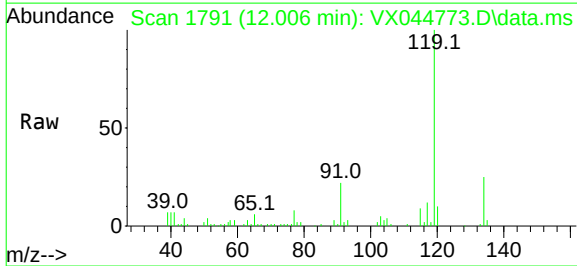
Tgt Ion:	119	Resp:	15074
Ion	Ratio	Lower	Upper
119	100		
134	25.7	0.0	52.2
91	23.2	0.0	50.2

Manual Integrations

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Reviewed By :John Carlone 01/30/2025

Supervised By :Semsettin Yesilyurt 01/31/2025



#91

Naphthalene

Concen: 0.364 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX044773.D

Acq: 30 Jan 2025 11:15

Tgt Ion:	128	Resp:	3297
Ion	Ratio	Lower	Upper
128	100		
127	15.5	10.2	15.4
129	10.1	9.0	13.6

