

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090624\
 Data File : VN083702.D
 Acq On : 06 Sep 2024 17:36
 Operator : JC\MD
 Sample : P3884-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(SEP)

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/09/2024
 Supervised By : Semsettin Yesilyurt 09/09/2024

Quant Time: Sep 06 23:49:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	27773	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	159983	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	143027	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	77522	30.537	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.800%			
60) 4-Bromofluorobenzene	12.847	95	72540	29.427	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.100%			
63) Toluene-d8	10.565	98	197035	29.752	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.167%			
Target Compounds						
					Qvalue	
12) Methyl Acetate	5.018	43	7807m	3.750	ug/l	
15) Acetone	4.424	58	151417	541.828	ug/l #	66
30) 2-Butanone	7.488	43	38240	31.969	ug/l	94
58) 4-Methyl-2-Pentanone	10.447	43	10865	4.791	ug/l #	91
62) Toluene	10.629	91	586140	71.298	ug/l	100
67) m/p-Xylenes	12.070	106	1504	0.437	ug/l	98
82) p-Isopropyltoluene	13.729	119	18101	2.454	ug/l	95

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

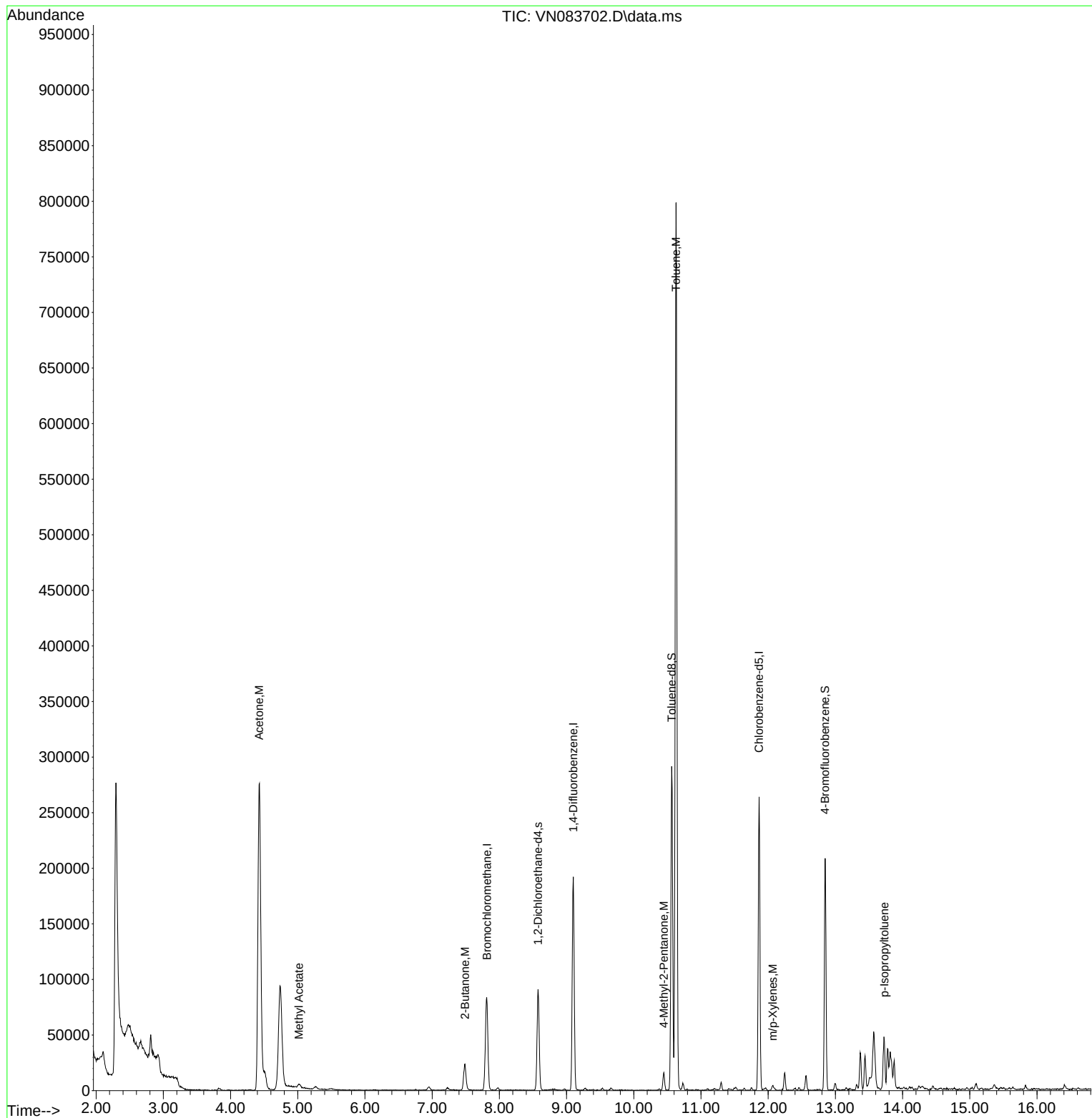
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090624\
Data File : VN083702.D
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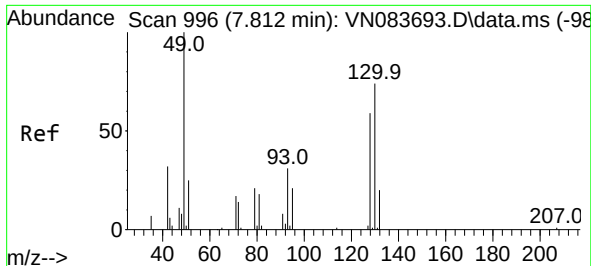
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)

Quant Time: Sep 06 23:49:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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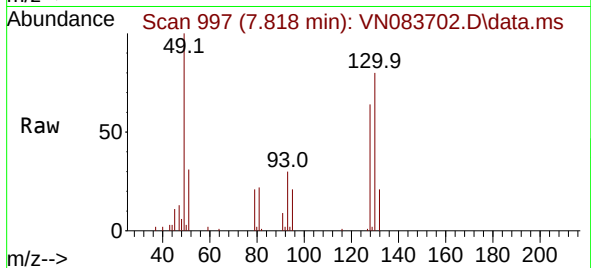
Reviewed By :John Carlone 09/09/2024
Supervised By :Semsettin Yesilyurt 09/09/2024





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN083702.D
Acq: 06 Sep 2024 17:36

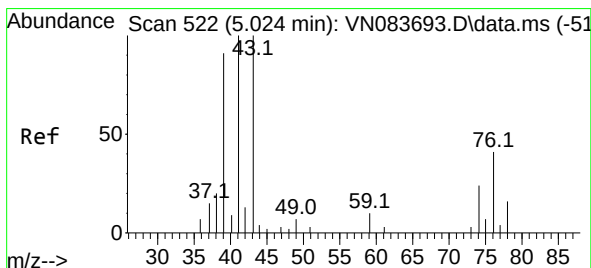
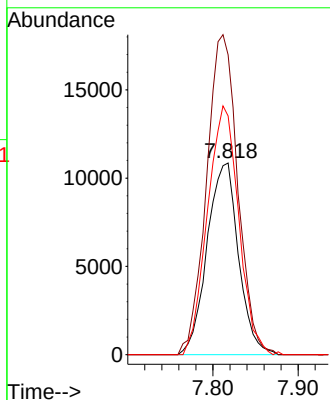
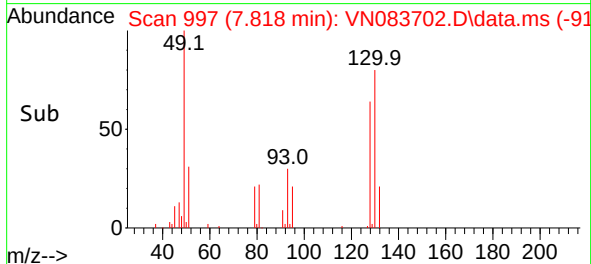
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)



Tgt Ion:128 Resp: 2777
Ion Ratio Lower Upper
128 100
49 166.4 0.0 403.7
130 129.3 0.0 323.3

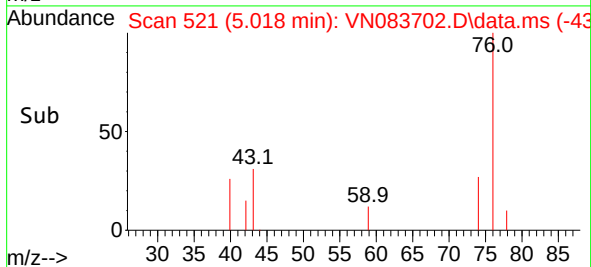
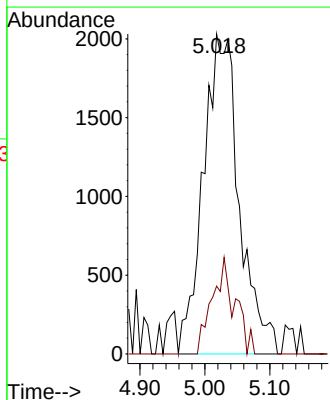
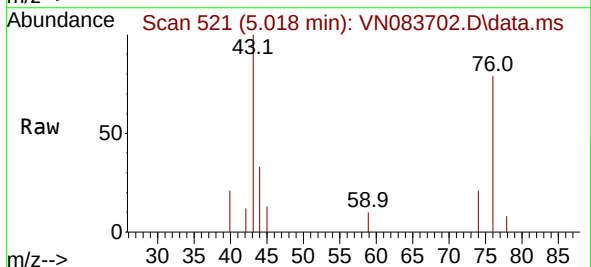
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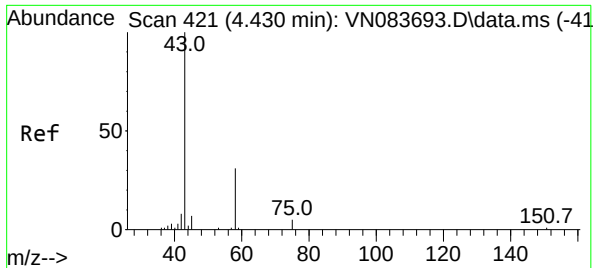
Reviewed By :John Carlone 09/09/2024
Supervised By :Semsettin Yesilyurt 09/09/2024



#12
Methyl Acetate
Concen: 3.750 ug/l m
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN083702.D
Acq: 06 Sep 2024 17:36

Tgt Ion: 43 Resp: 7807
Ion Ratio Lower Upper
43 100
74 21.2 27.7 41.5#





#15

Acetone

Concen: 541.828 ug/l

RT: 4.424 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN083702.D

Acq: 06 Sep 2024 17:36

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(SEP)

Tgt Ion: 58 Resp: 15141

Ion Ratio Lower Upper

58 100

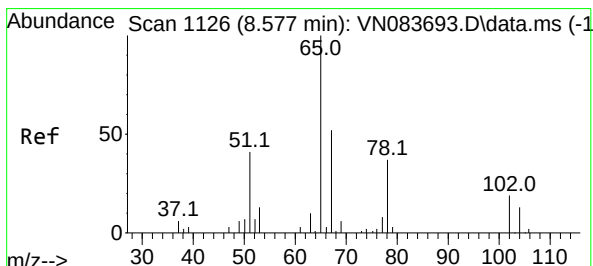
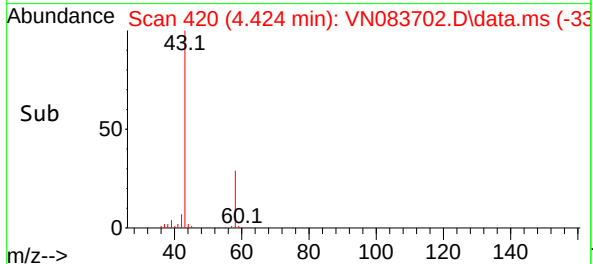
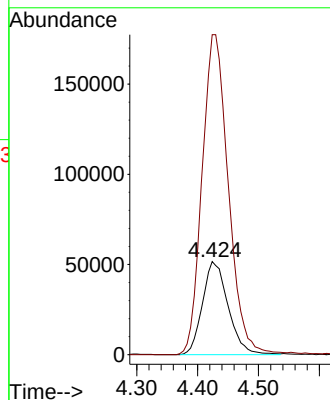
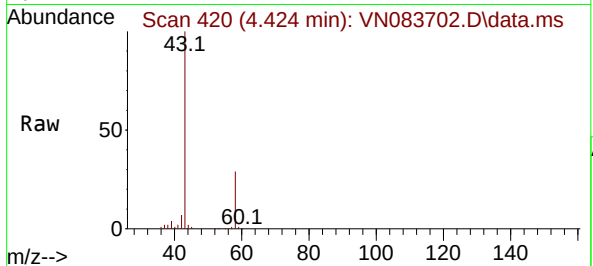
43 342.7 223.1 334.7

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#27

1,2-Dichloroethane-d4

Concen: 30.537 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083702.D

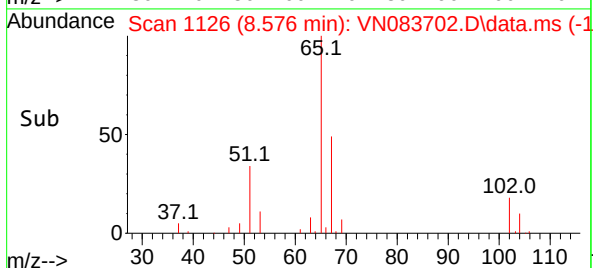
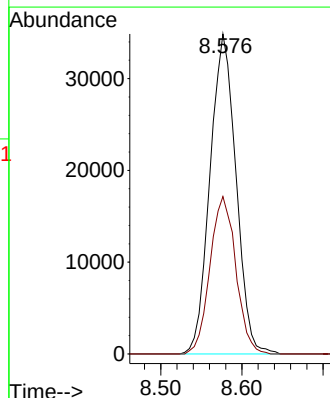
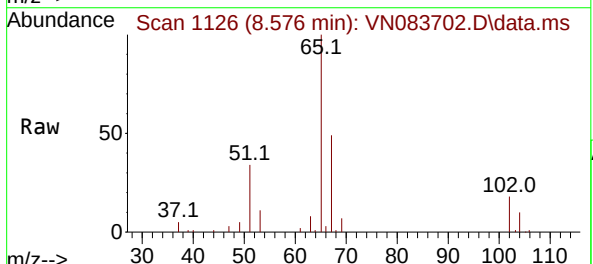
Acq: 06 Sep 2024 17:36

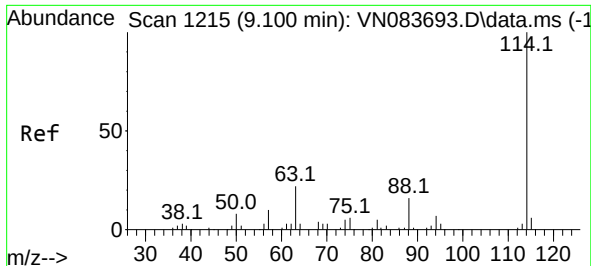
Tgt Ion: 65 Resp: 77522

Ion Ratio Lower Upper

65 100

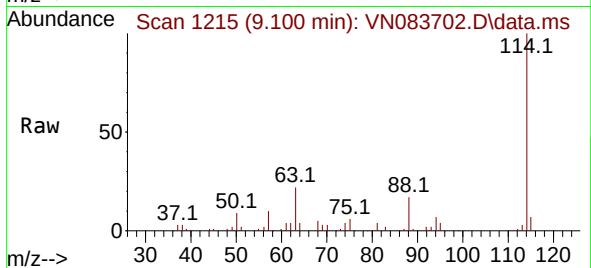
67 48.9 43.2 64.8





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN083702.D
Acq: 06 Sep 2024 17:36

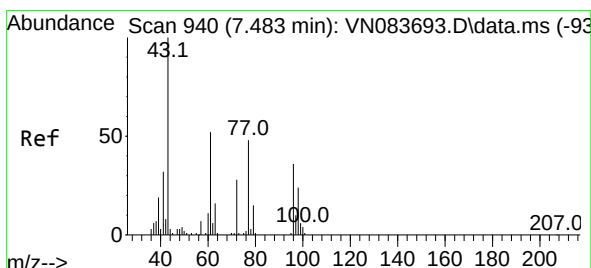
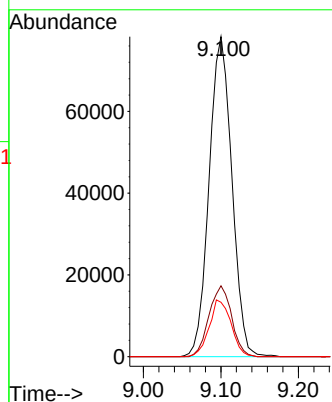
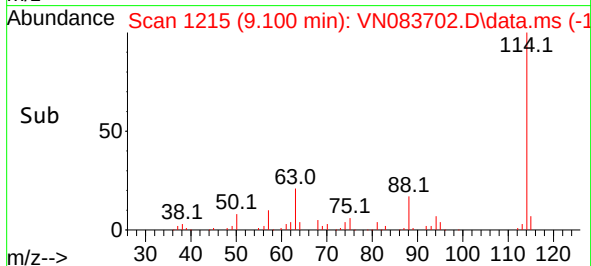
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)



Tgt Ion:114 Resp: 15998
Ion Ratio Lower Upper
114 100
63 22.0 15.9 23.9
88 17.0 12.7 19.1

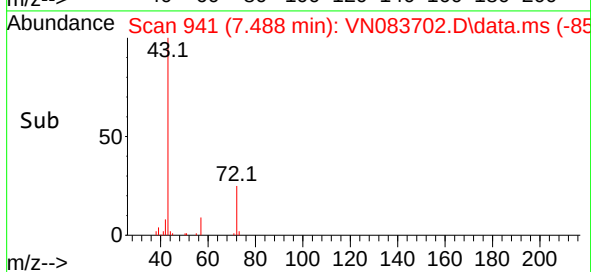
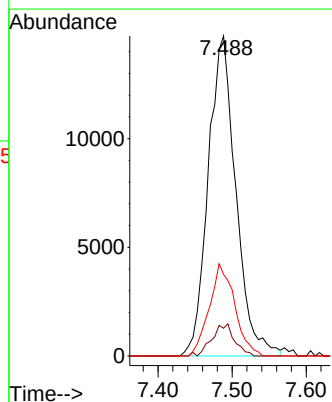
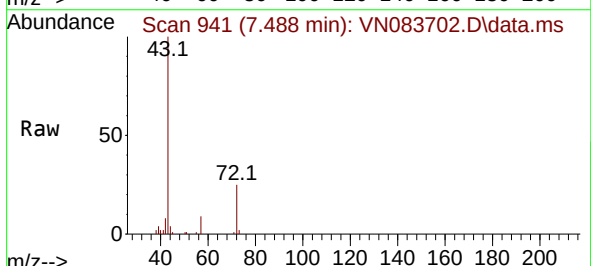
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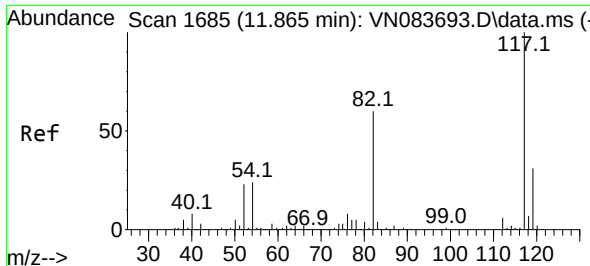
Reviewed By :John Carlone 09/09/2024
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#30
2-Butanone
Concen: 31.969 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083702.D
Acq: 06 Sep 2024 17:36

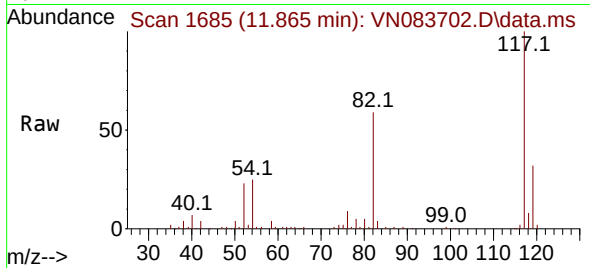
Tgt Ion: 43 Resp: 38240
Ion Ratio Lower Upper
43 100
57 8.0 6.7 10.1
72 26.3 24.0 36.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083702.D
Acq: 06 Sep 2024 17:36

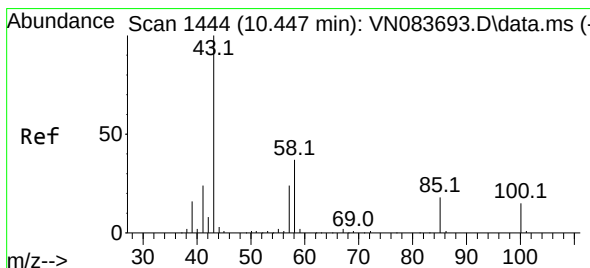
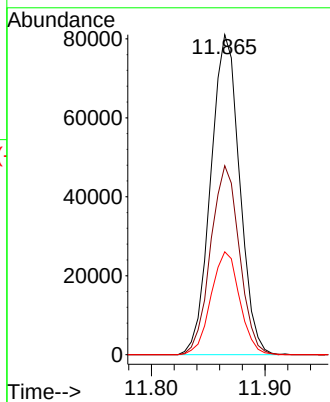
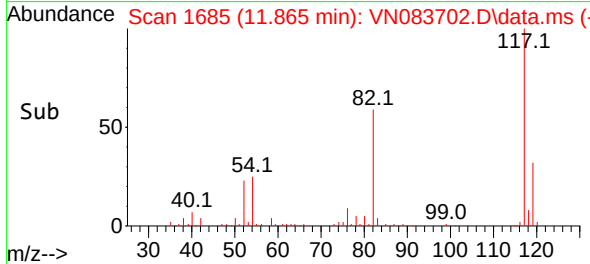
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)



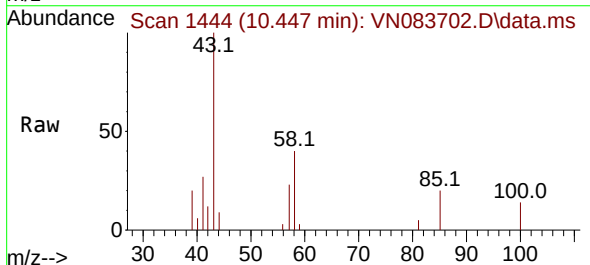
Tgt Ion: 117 Resp: 14302
Ion Ratio Lower Upper
117 100
82 59.0 46.6 69.8
119 31.9 25.4 38.2

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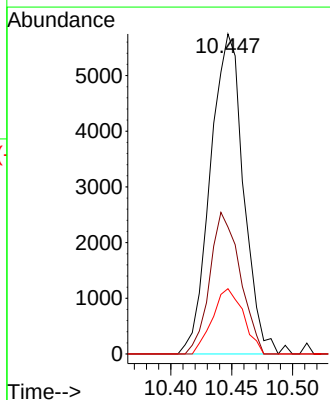
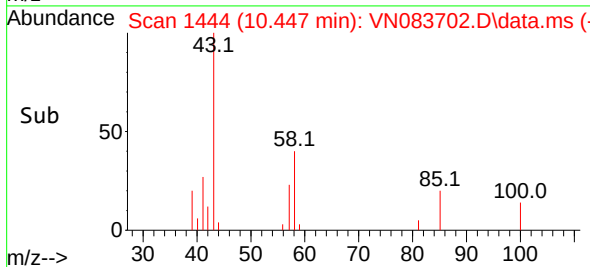
Reviewed By :John Carlone 09/09/2024
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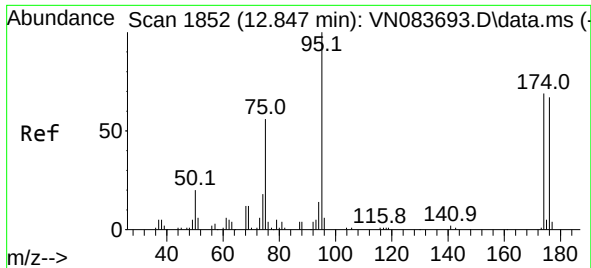


#58
4-Methyl-2-Pentanone
Concen: 4.791 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083702.D
Acq: 06 Sep 2024 17:36



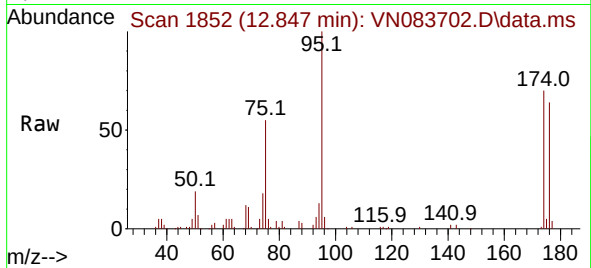
Tgt Ion: 43 Resp: 10865
Ion Ratio Lower Upper
43 100
58 40.7 36.5 54.7
85 19.1 19.5 29.3#





#60
4-Bromofluorobenzene
Concen: 29.427 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083702.D
Acq: 06 Sep 2024 17:36

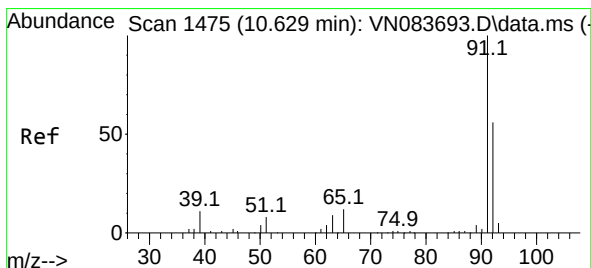
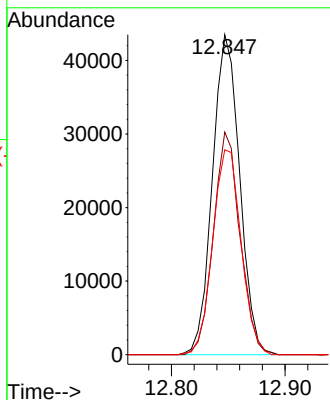
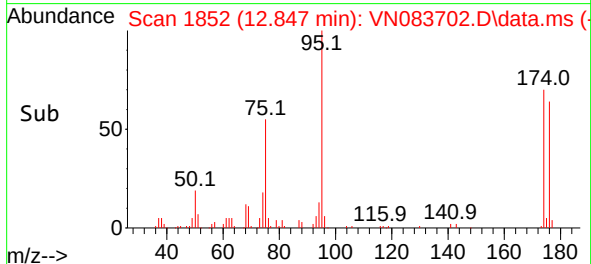
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)



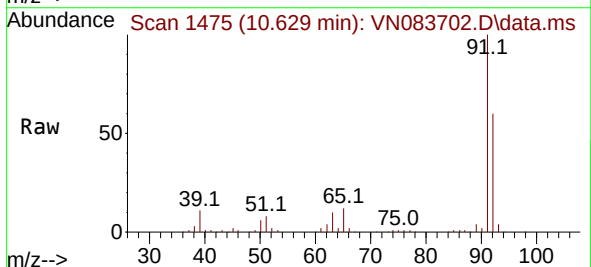
Tgt Ion: 95 Resp: 72540
Ion Ratio Lower Upper
95 100
174 68.0 60.5 90.7
176 66.6 57.8 86.6

Manual Integrations
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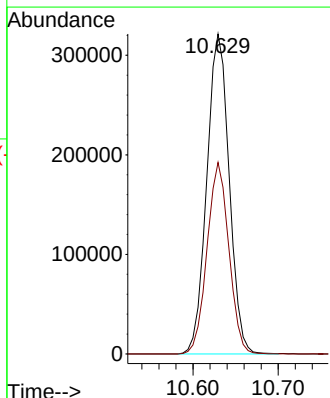
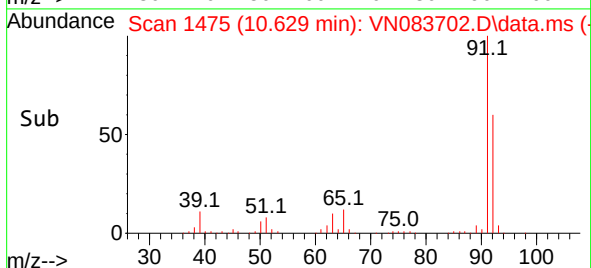
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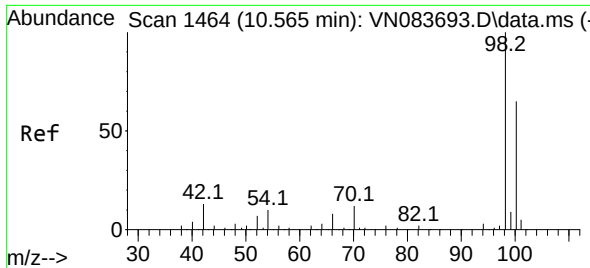


#62
Toluene
Concen: 71.298 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN083702.D
Acq: 06 Sep 2024 17:36



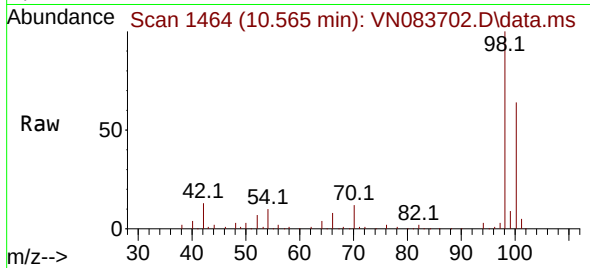
Tgt Ion: 91 Resp: 586140
Ion Ratio Lower Upper
91 100
92 58.2 46.5 69.7





#63
Toluene-d8
Concen: 29.752 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083702.D
Acq: 06 Sep 2024 17:36

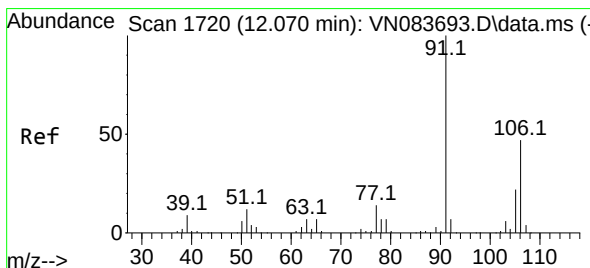
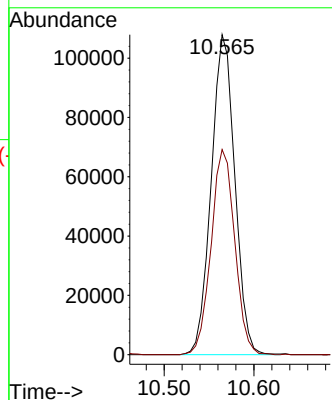
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)



Tgt Ion: 98 Resp: 197035
Ion Ratio Lower Upper
98 100
100 64.2 52.7 79.1

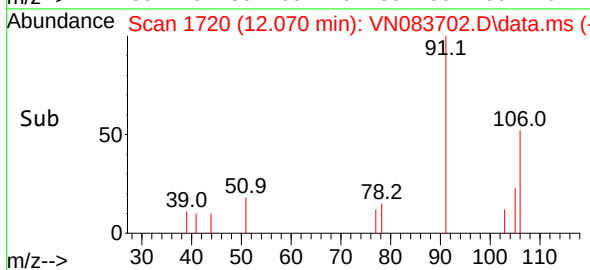
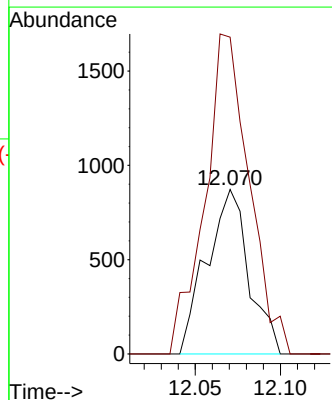
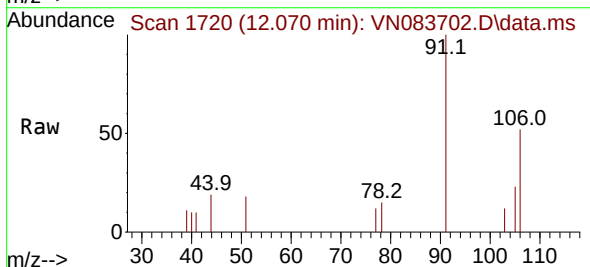
Manual Integrations
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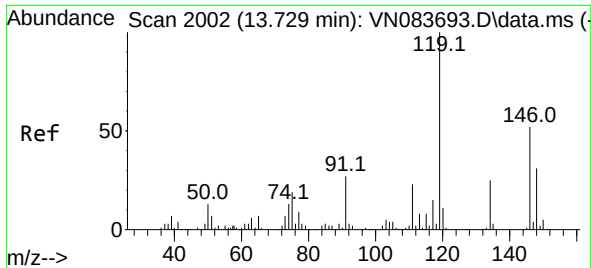
Reviewed By :John Carlone 09/09/2024
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#67
m/p-Xylenes
Concen: 0.437 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN083702.D
Acq: 06 Sep 2024 17:36

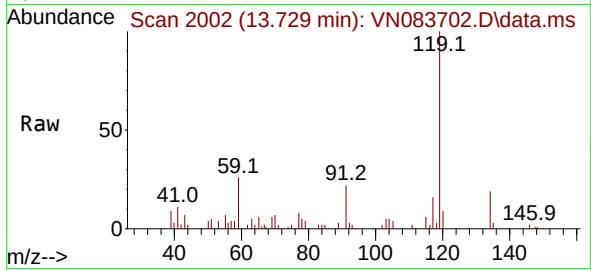
Tgt Ion:106 Resp: 1504
Ion Ratio Lower Upper
106 100
91 204.5 166.6 249.8





#82
 p-Isopropyltoluene
 Concen: 2.454 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN083702.D
 Acq: 06 Sep 2024 17:36

Instrument : MSVOA_N
 ClientSampleId : 001-WILLETS-PT-BLVD(SEP)



Tgt Ion:119	Resp:	1810
Ion Ratio	Lower	Upper
119	100	
134	25.9	0.0 49.2
91	27.7	0.0 48.8

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