

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030923\
 Data File : VN076901.D
 Acq On : 09 Mar 2023 14:28
 Operator : JC\MD
 Sample : 01774-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Mar 10 01:32:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 09 04:16:54 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/10/2023
 Supervised By :Mahesh Dadoda 03/10/2023

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

Internal Standards						
1) Bromochloromethane	7.825	128	38761	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	264565	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	293803	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	113712	31.917	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	106.400%		
60) 4-Bromofluorobenzene	12.854	95	154827	27.843	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	92.800%		
63) Toluene-d8	10.572	98	298322	28.869	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.233%		
Target Compounds						
					Qvalue	
12) Methyl Acetate	5.048	43	17921m	2.566	ug/l	
15) Acetone	4.437	58	985813	1574.281	ug/l	93
25) Chloroform	7.966	83	7113m	0.810	ug/l	
30) 2-Butanone	7.489	43	118111	41.544	ug/l #	95
58) 4-Methyl-2-Pentanone	10.448	43	31350	5.282	ug/l #	94
61) Tetrachloroethene	11.113	164	9048	1.951	ug/l	93
62) Toluene	10.636	91	52132	2.575	ug/l	100
67) m/p-Xylenes	12.077	106	4544	0.546	ug/l	86
80) 1,2,4-Trimethylbenzene	13.489	105	9735	0.541	ug/l	71
82) p-Isopropyltoluene	13.736	119	9422	0.532	ug/l	84
91) Naphthalene	15.642	128	24967	1.676	ug/l	97

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

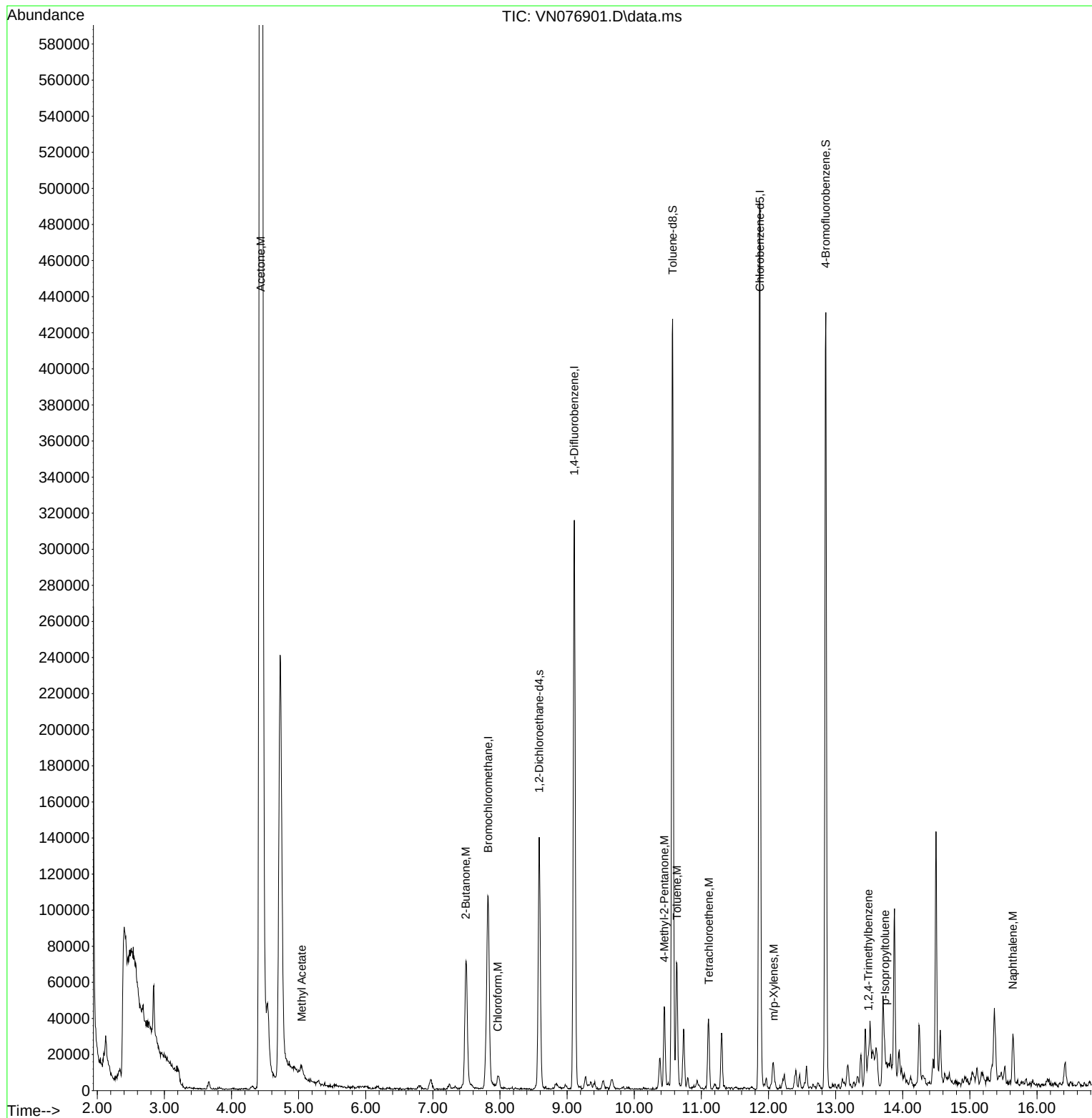
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Data File : VN076901.D
Acq On : 09 Mar 2023 14:28
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

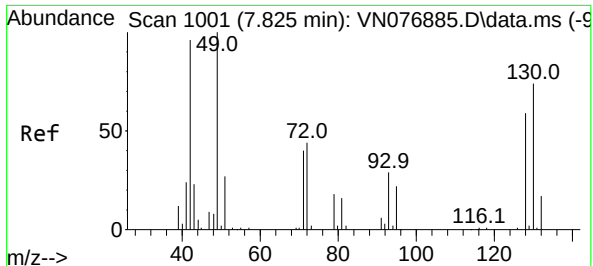
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAR)

Quant Time: Mar 10 01:32:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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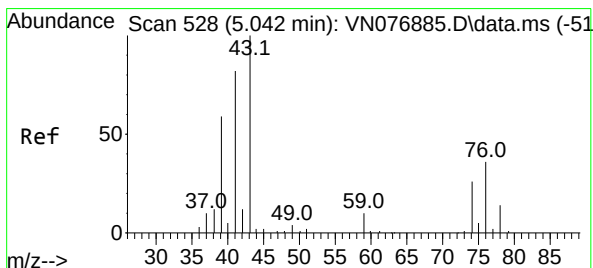
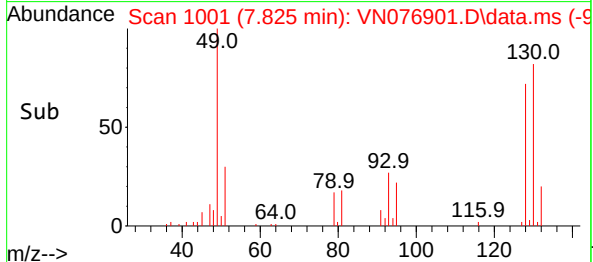
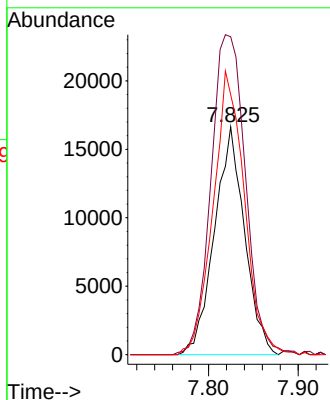
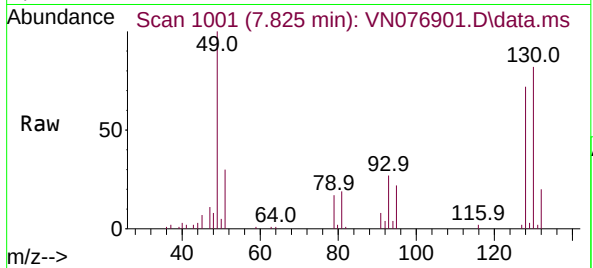
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28

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

Tgt Ion:128 Resp: 3876
Ion Ratio Lower Upper
128 100
49 160.7 0.0 461.8
130 129.2 0.0 295.3

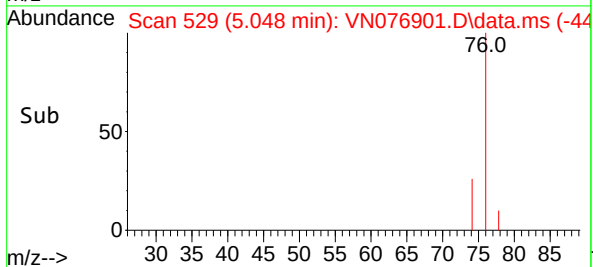
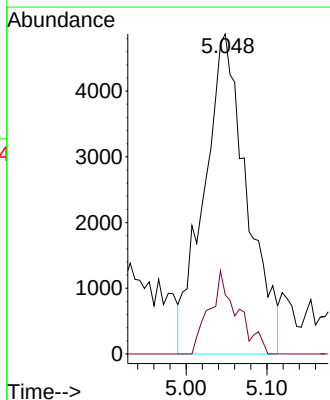
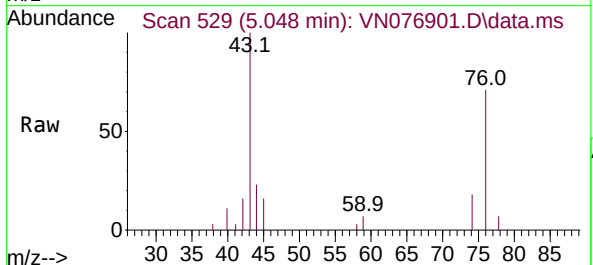
Manual Integrations
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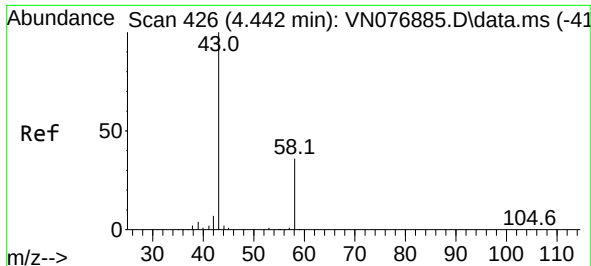
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#12
Methyl Acetate
Concen: 2.566 ug/l m
RT: 5.048 min Scan# 529
Delta R.T. 0.011 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28

Tgt Ion: 43 Resp: 17921
Ion Ratio Lower Upper
43 100
74 18.5 19.0 28.4#





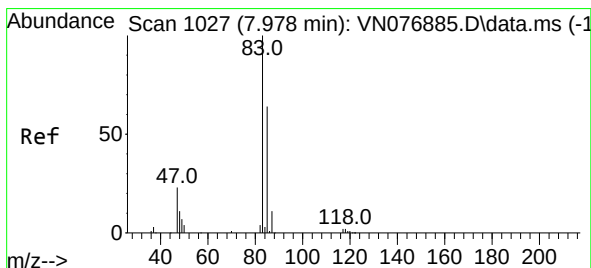
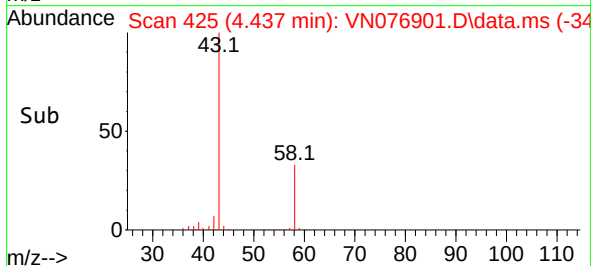
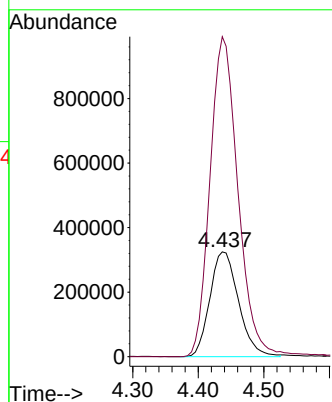
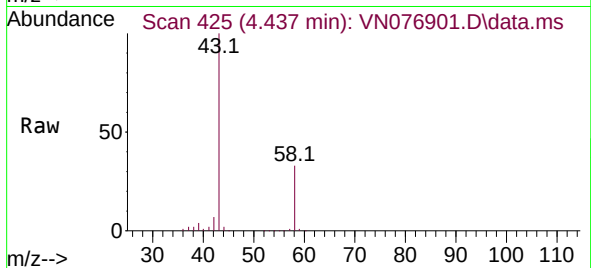
#15
Acetone
Concen: 1574.281 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28

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

Tgt Ion: 58 Resp: 98581
Ion Ratio Lower Upper
58 100
43 305.2 255.4 383.0

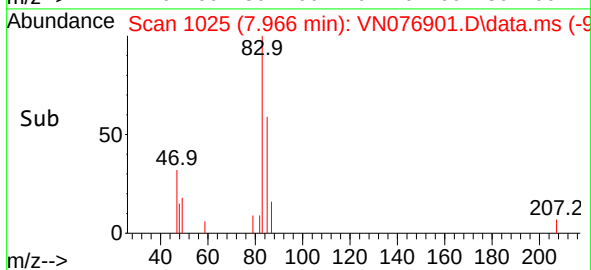
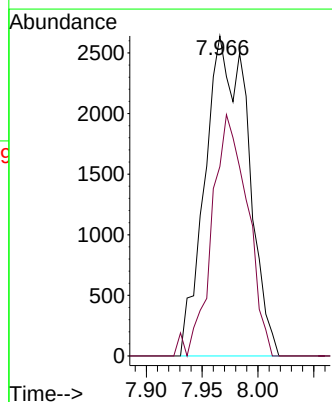
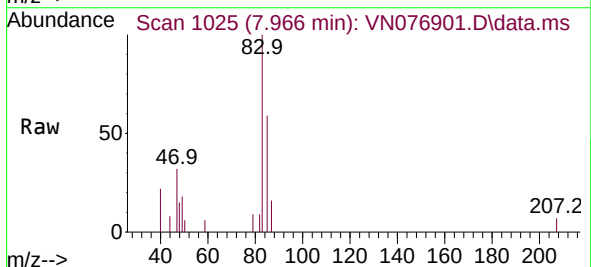
Manual Integrations
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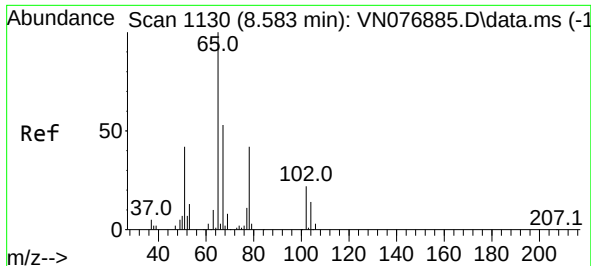
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#25
Chloroform
Concen: 0.810 ug/l m
RT: 7.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28

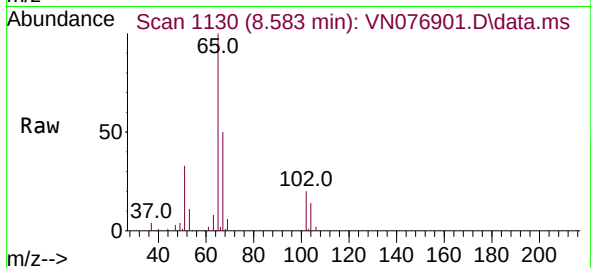
Tgt Ion: 83 Resp: 7113
Ion Ratio Lower Upper
83 100
85 59.2 51.8 77.6





#27
1,2-Dichloroethane-d4
Concen: 31.917 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28

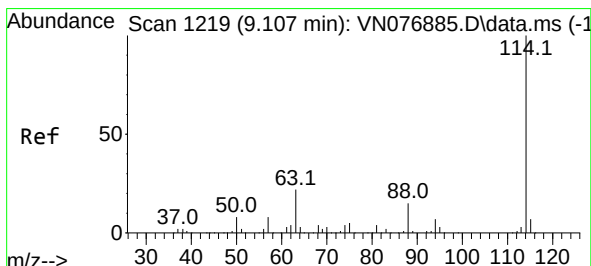
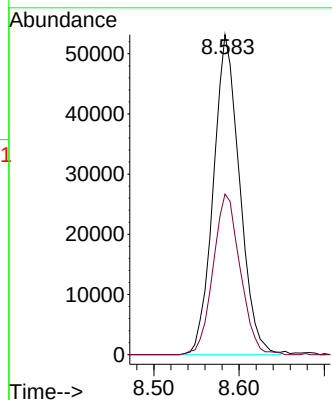
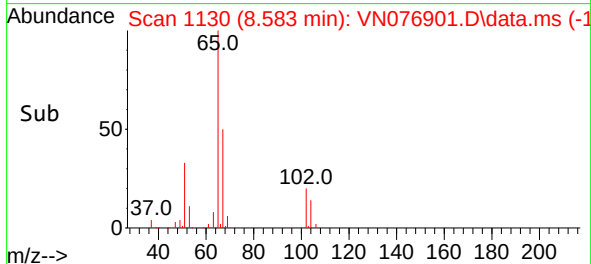
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAR)



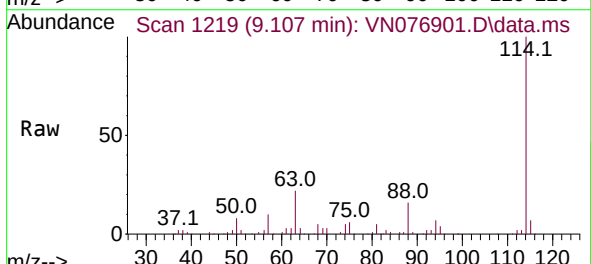
Tgt Ion: 65 Resp: 11371
Ion Ratio Lower Upper
65 100
67 51.5 40.9 61.3

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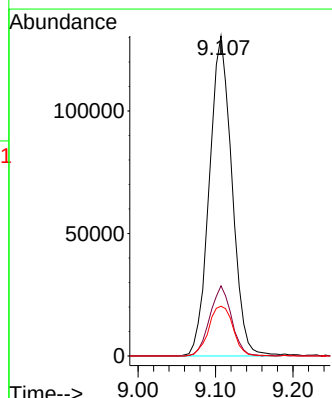
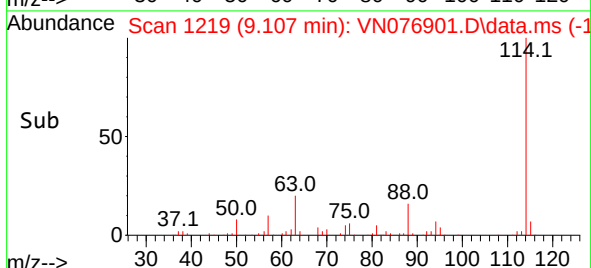
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

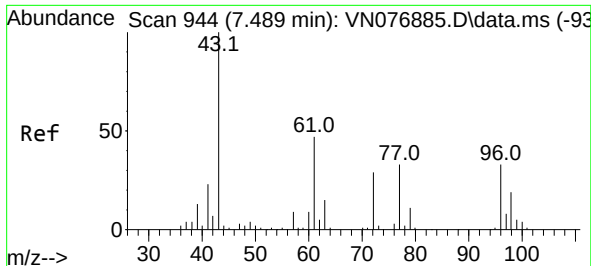


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28



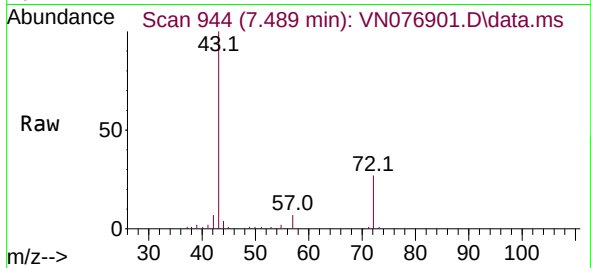
Tgt Ion:114 Resp: 264565
Ion Ratio Lower Upper
114 100
63 21.0 17.0 25.4
88 16.7 11.6 17.4





#30
2-Butanone
Concen: 41.544 ug/l
RT: 7.489 min Scan# 944
Delta R.T. 0.000 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28

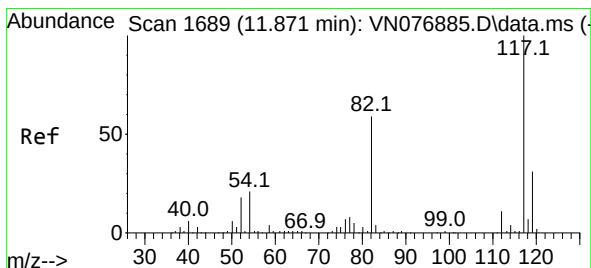
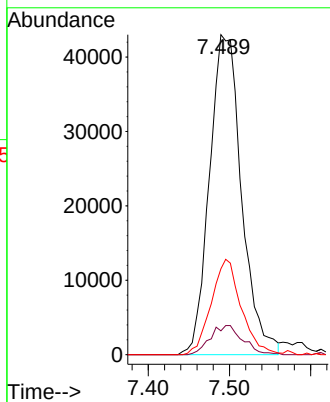
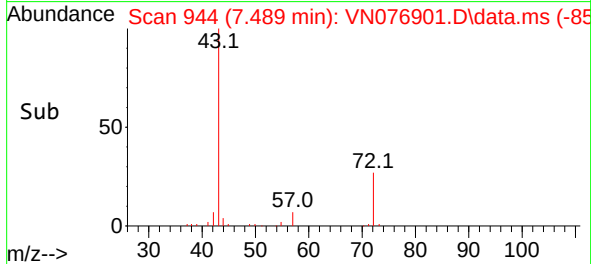
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAR)



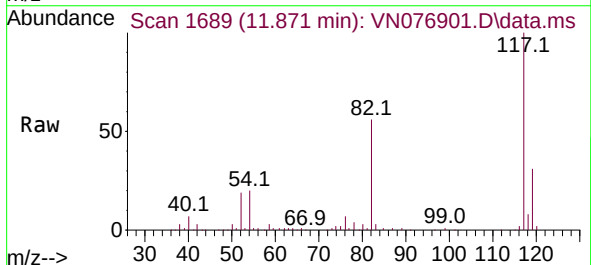
Tgt Ion: 43 Resp: 11811
Ion Ratio Lower Upper
43 100
57 5.5 6.1 9.1
72 27.9 20.2 30.4

Manual Integrations
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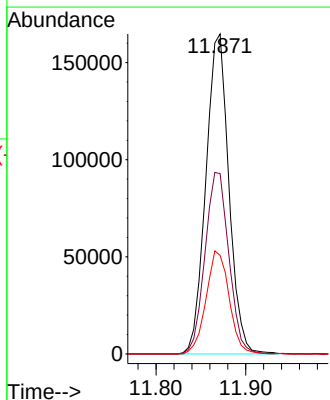
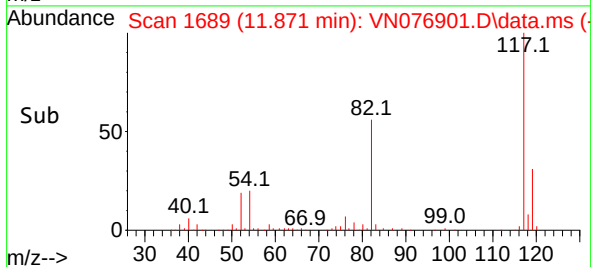
Reviewed By :John Carlone 03/10/2023
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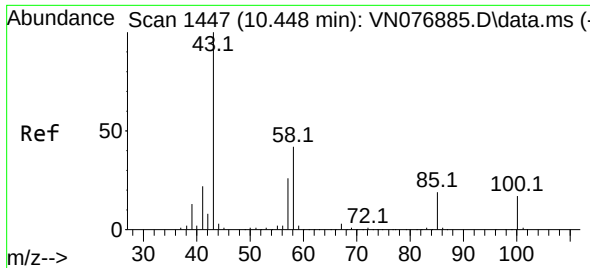


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28



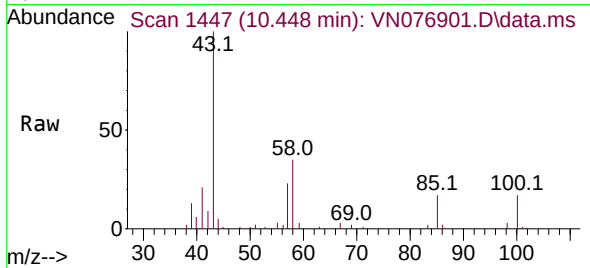
Tgt Ion:117 Resp: 293803
Ion Ratio Lower Upper
117 100
82 58.8 45.4 68.0
119 32.3 26.8 40.2





#58
4-Methyl-2-Pentanone
Concen: 5.282 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28

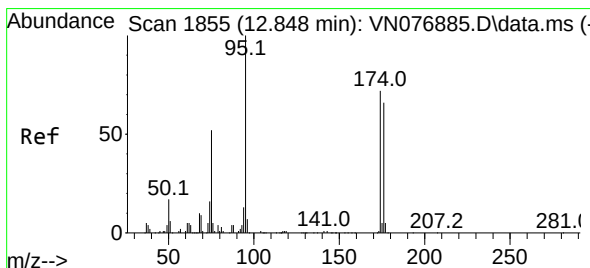
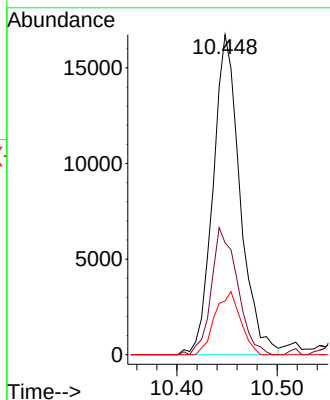
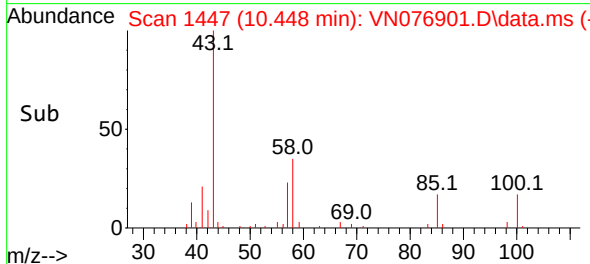
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAR)



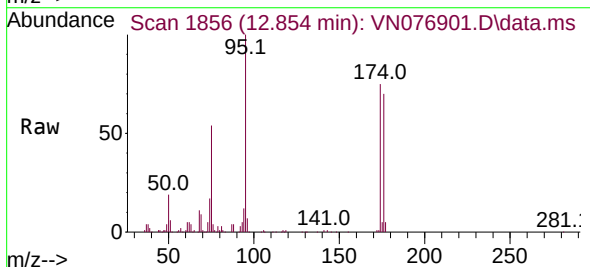
Tgt Ion: 43 Resp: 31350
Ion Ratio Lower Upper
43 100
58 38.2 28.6 42.8
85 18.7 11.8 17.8

Manual Integrations
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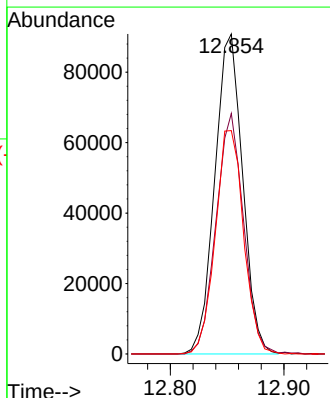
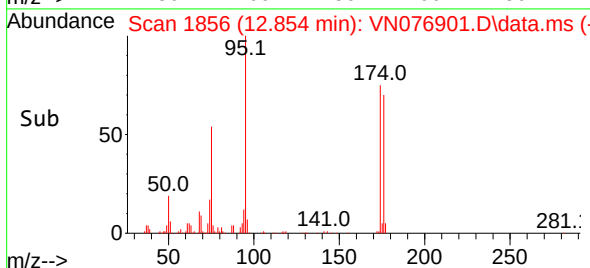
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

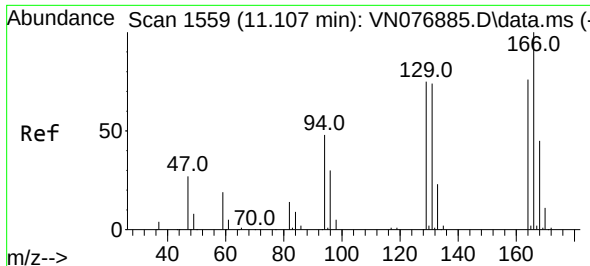


#60
4-Bromofluorobenzene
Concen: 27.843 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28



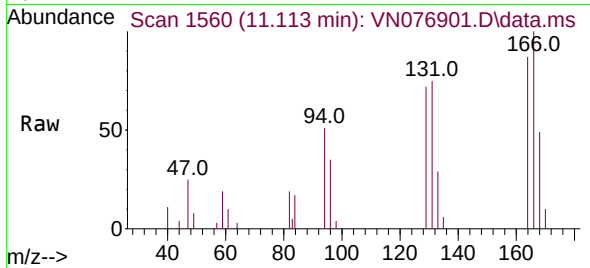
Tgt Ion: 95 Resp: 154827
Ion Ratio Lower Upper
95 100
174 74.0 64.2 96.4
176 71.1 61.4 92.0





#61
Tetrachloroethene
Concen: 1.951 ug/l
RT: 11.113 min Scan# 1560
Delta R.T. 0.006 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28

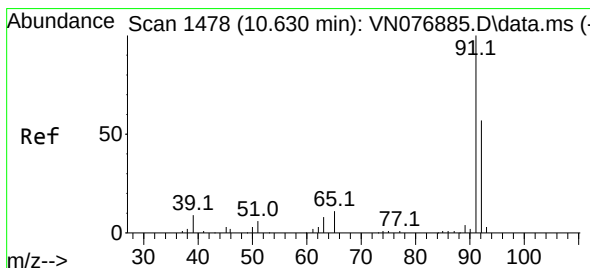
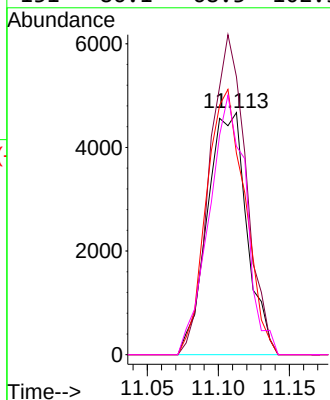
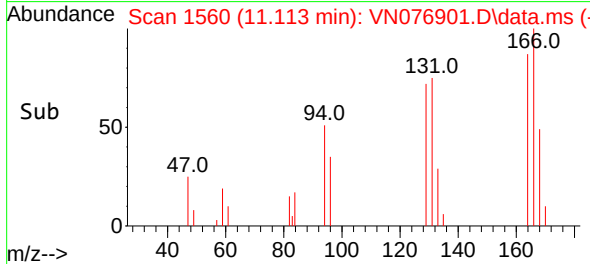
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAR)



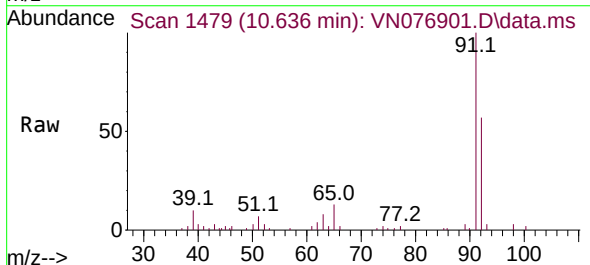
Tgt Ion:164 Resp: 9048
Ion Ratio Lower Upper
164 100
166 114.8 96.2 144.2
129 83.2 78.2 117.4
131 86.1 68.3 102.5

Manual Integrations
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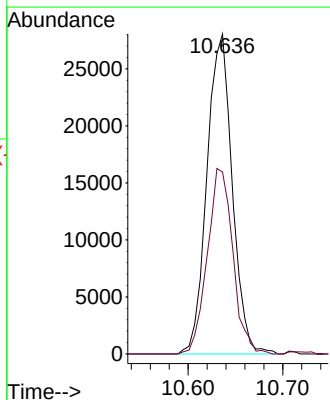
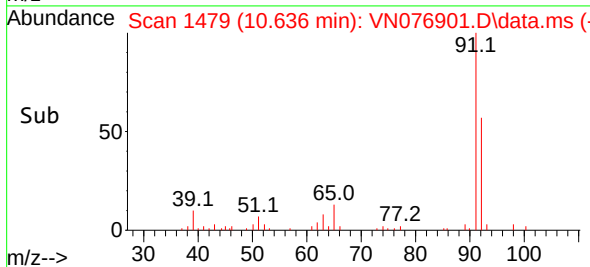
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

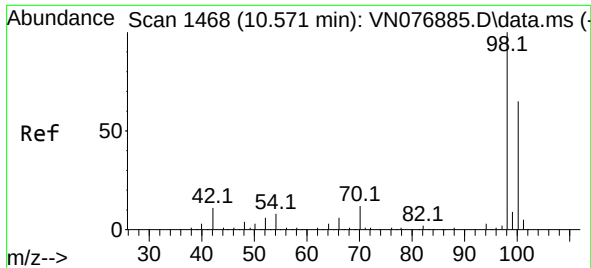


#62
Toluene
Concen: 2.575 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28



Tgt Ion: 91 Resp: 52132
Ion Ratio Lower Upper
91 100
92 58.2 46.3 69.5





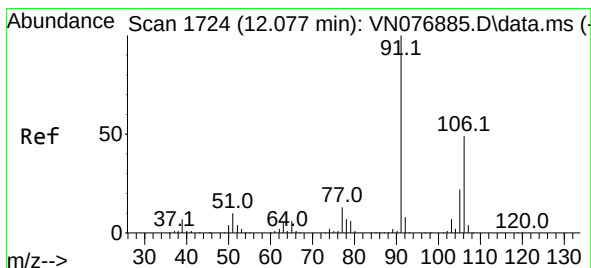
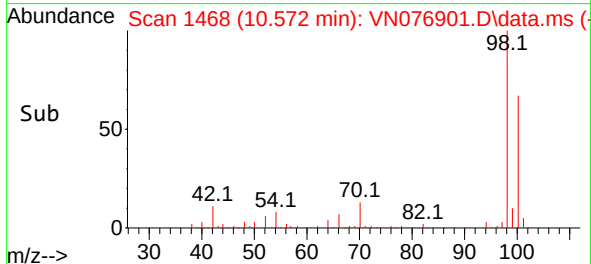
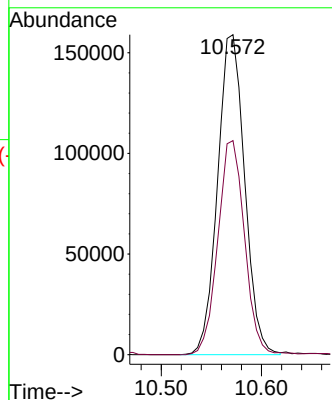
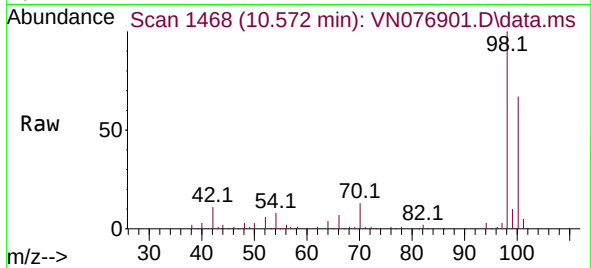
#63
Toluene-d8
Concen: 28.869 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28

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

Tgt Ion: 98 Resp: 29832
Ion Ratio Lower Upper
98 100
100 66.0 53.8 80.6

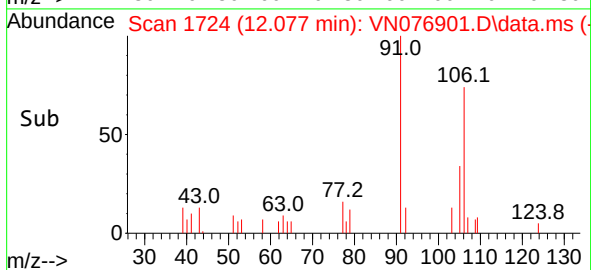
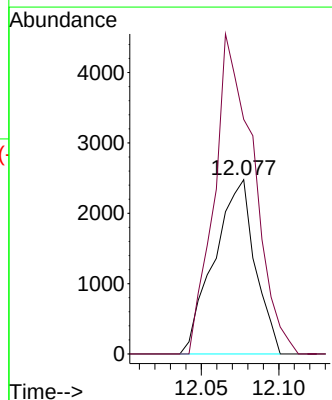
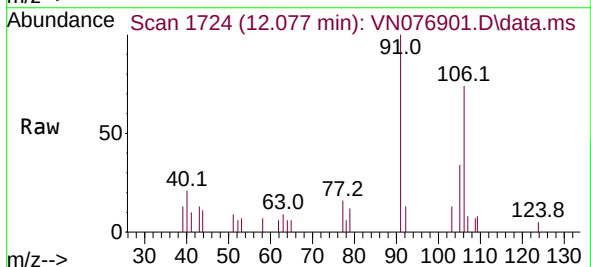
Manual Integrations
APPROVED

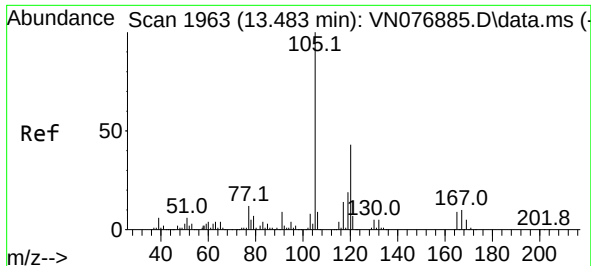
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#67
m/p-Xylenes
Concen: 0.546 ug/l
RT: 12.077 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28

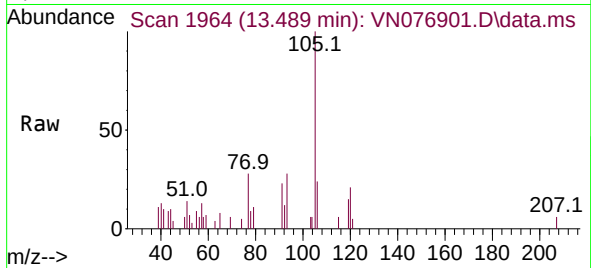
Tgt Ion:106 Resp: 4544
Ion Ratio Lower Upper
106 100
91 176.3 157.4 236.2





#80
1,2,4-Trimethylbenzene
Concen: 0.541 ug/l
RT: 13.489 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28

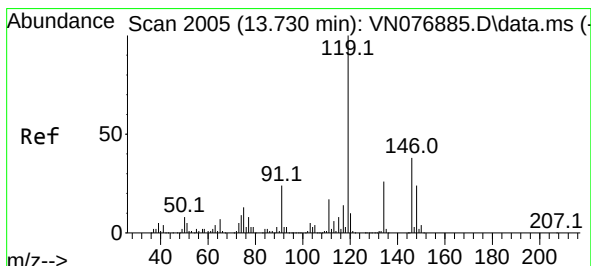
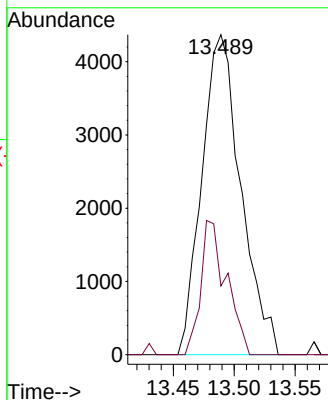
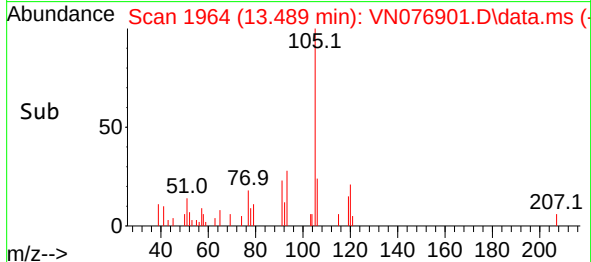
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAR)



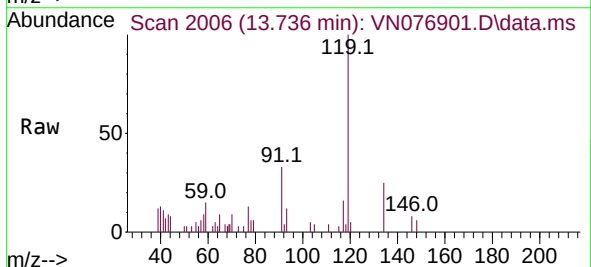
Tgt Ion:105 Resp: 973
Ion Ratio Lower Upper
105 100
120 27.5 0.0 93.2

Manual Integrations
APPROVED

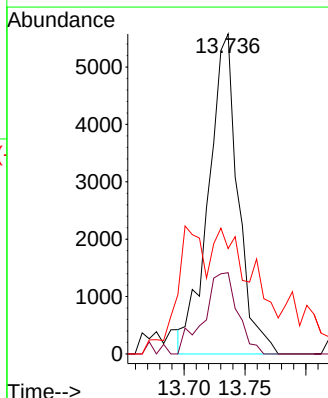
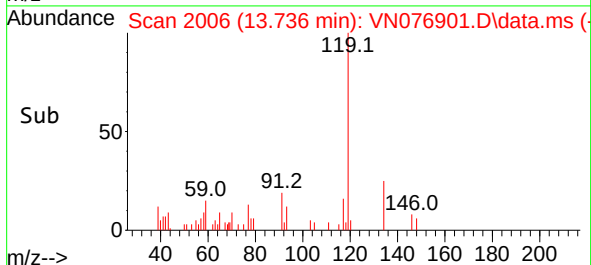
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

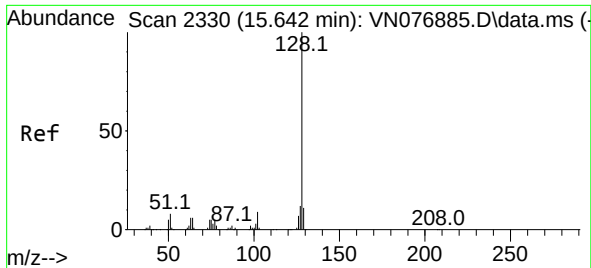


#82
p-Isopropyltoluene
Concen: 0.532 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. 0.006 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28



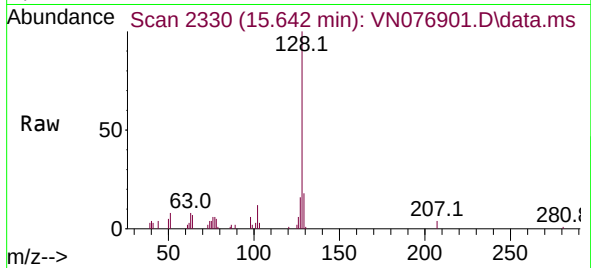
Tgt Ion:119 Resp: 9422
Ion Ratio Lower Upper
119 100
134 26.0 0.0 53.4
91 39.4 0.0 47.2





#91
Naphthalene
Concen: 1.676 ug/l
RT: 15.642 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076901.D
Acq: 09 Mar 2023 14:28

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



Tgt Ion:	128	Resp:	2496
Ion	Ratio	Lower	Upper
128	100		
127	14.5	11.0	16.6
129	12.4	8.9	13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

