

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
 Data File : VN078863.D
 Acq On : 11 Aug 2023 15:15
 Operator : JC\MD
 Sample : 03987-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Aug 12 01:41:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 09 05:05:47 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/14/2023
 Supervised By : Mahesh Dadoda 08/15/2023

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

Internal Standards						
1) Bromochloromethane	7.824	128	21011	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	106924	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	91374	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	52528	31.053	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.500%			
60) 4-Bromofluorobenzene	12.853	95	29696	23.153	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 77.167%			
63) Toluene-d8	10.571	98	127306	28.432	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 94.767%			
Target Compounds						
					Qvalue	
15) Acetone	4.436	58	129560	750.338	ug/l	88
23) tert-Butyl Alcohol	5.536	59	18599m	74.689	ug/l	
30) 2-Butanone	7.494	43	38575	45.306	ug/l #	74
58) 4-Methyl-2-Pentanone	10.453	43	8456	4.815	ug/l #	78
62) Toluene	10.635	91	1426487	265.170	ug/l	98
67) m/p-Xylenes	12.065	106	1060	0.517	ug/l #	68
82) p-Isopropyltoluene	13.735	119	4964	1.442	ug/l	84

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

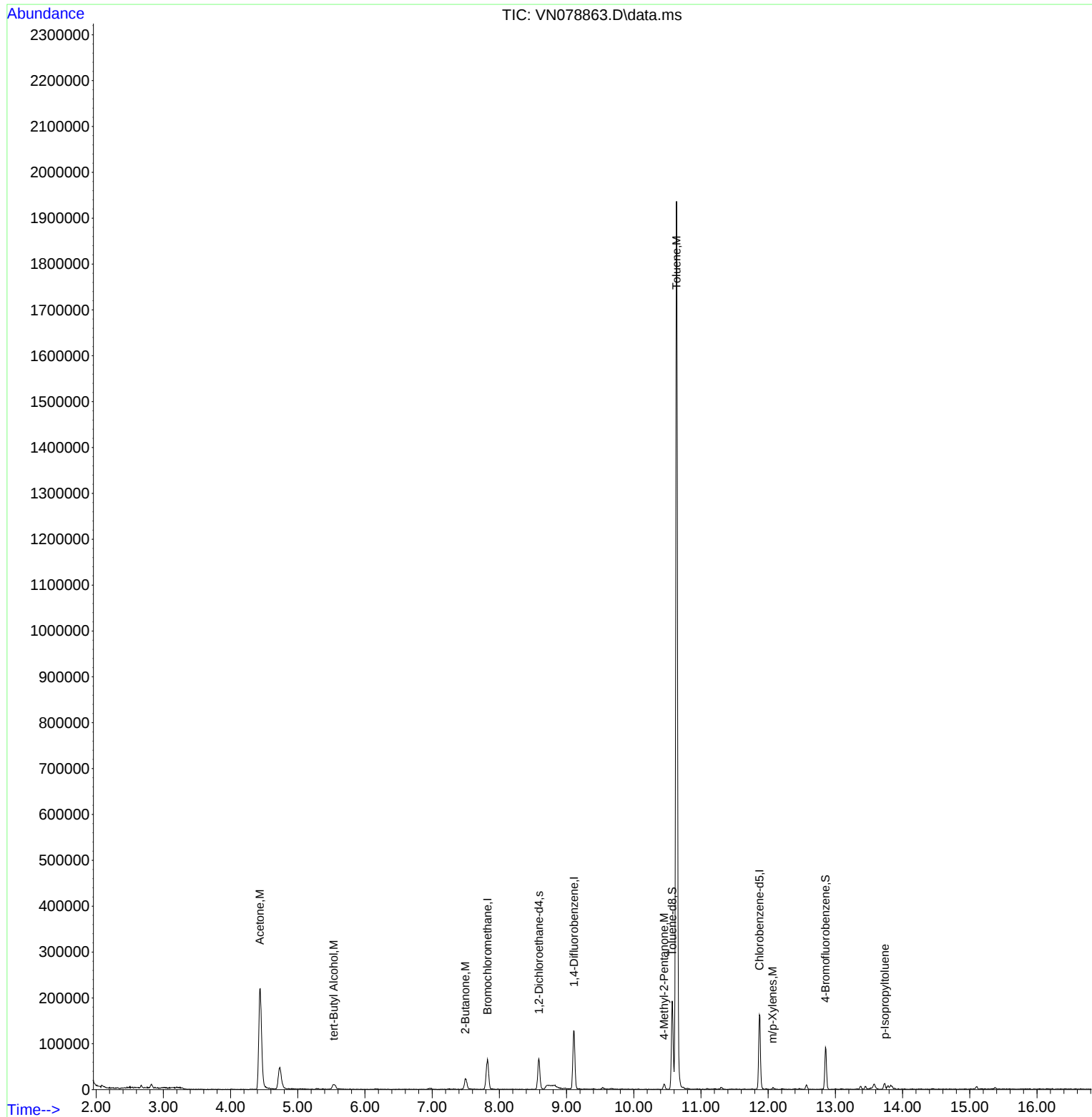
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
Data File : VN078863.D
Acq On : 11 Aug 2023 15:15
Operator : JC\MD
Sample : 03987-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

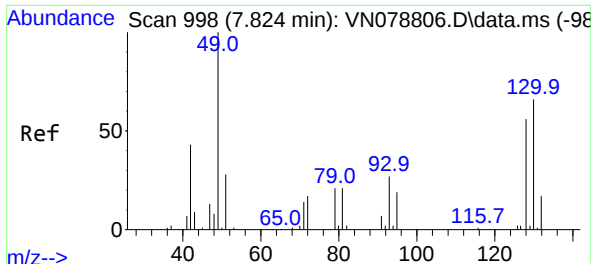
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)

Quant Time: Aug 12 01:41:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 09 05:05:47 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

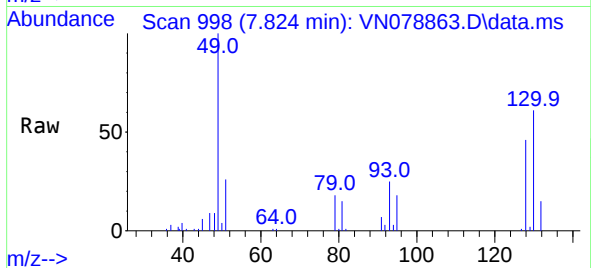
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN078863.D
Acq: 11 Aug 2023 15:15

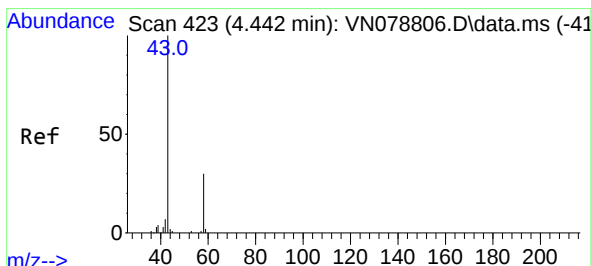
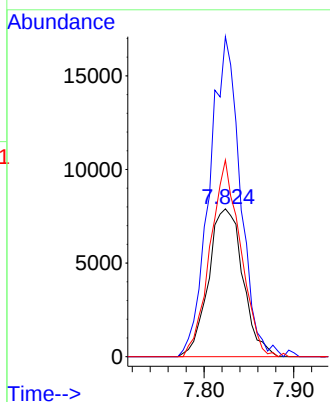
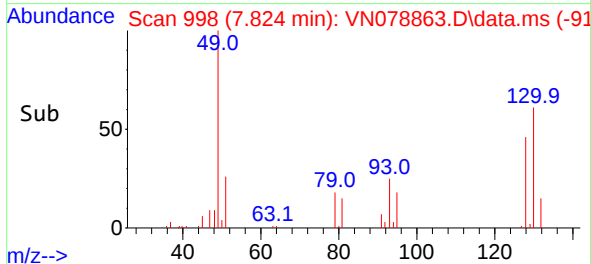
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)



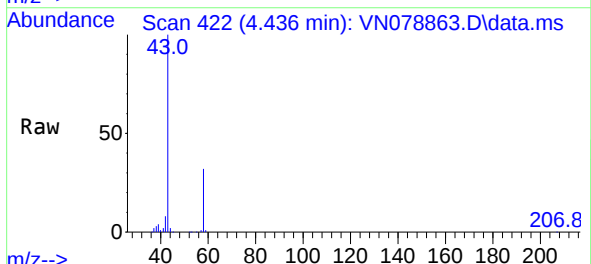
Tgt Ion:128 Resp: 2101
Ion Ratio Lower Upper
128 100
49 192.8 0.0 370.8
130 117.7 0.0 307.0

Manual Integrations
APPROVED

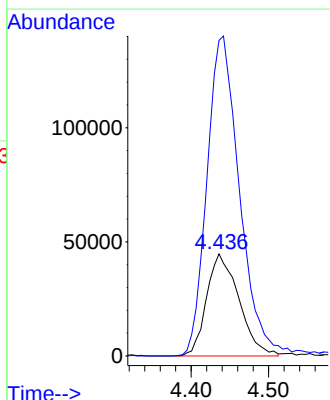
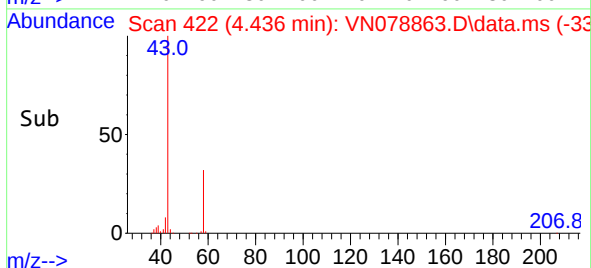
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

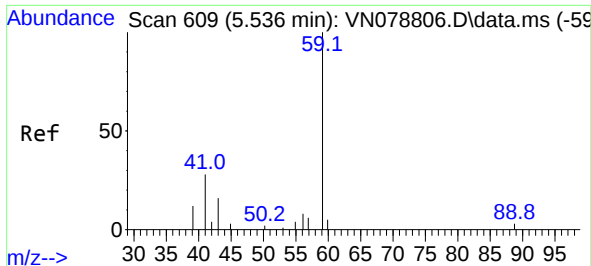


#15
Acetone
Concen: 750.338 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN078863.D
Acq: 11 Aug 2023 15:15



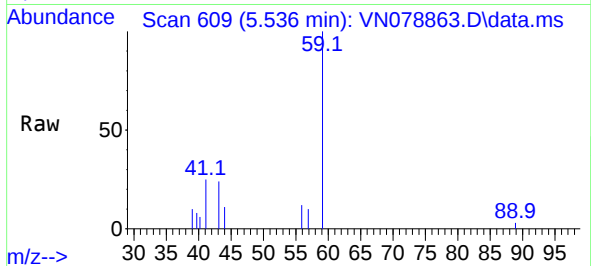
Tgt Ion: 58 Resp: 129560
Ion Ratio Lower Upper
58 100
43 307.9 227.5 341.3





#23
tert-Butyl Alcohol
Concen: 74.689 ug/l m
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN078863.D
Acq: 11 Aug 2023 15:15

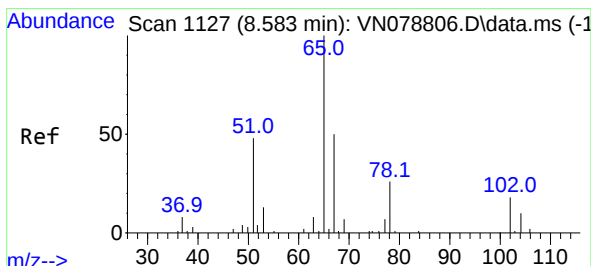
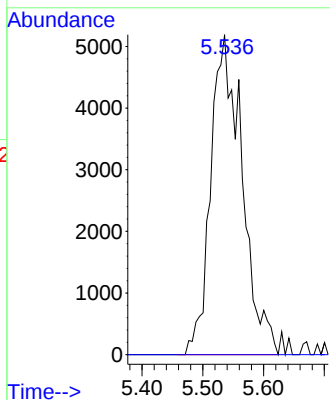
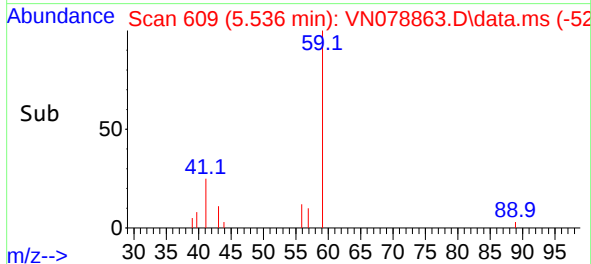
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)



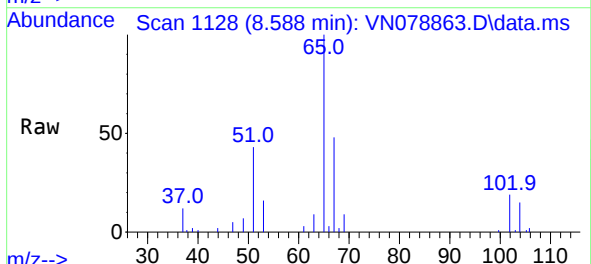
Tgt Ion: 59 Resp: 1859
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

Manual Integrations
APPROVED

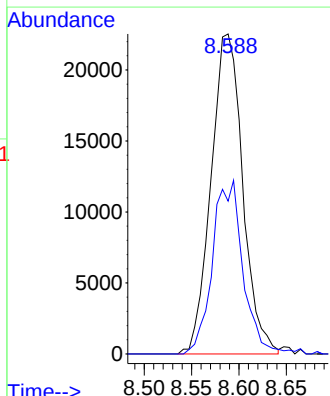
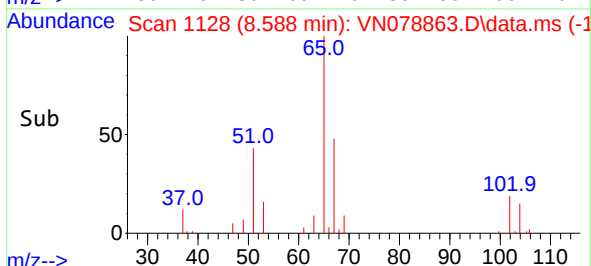
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

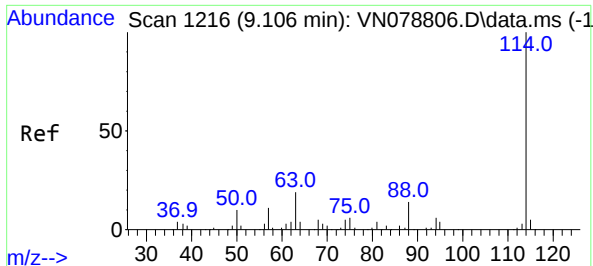


#27
1,2-Dichloroethane-d4
Concen: 31.053 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078863.D
Acq: 11 Aug 2023 15:15



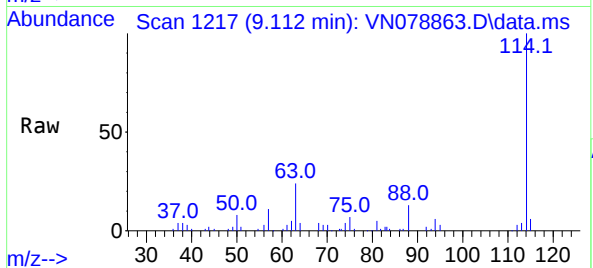
Tgt Ion: 65 Resp: 52528
Ion Ratio Lower Upper
65 100
67 29.8 42.9 64.3





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 114
Delta R.T. 0.006 min
Lab File: VN078863.D
Acq: 11 Aug 2023 15:15

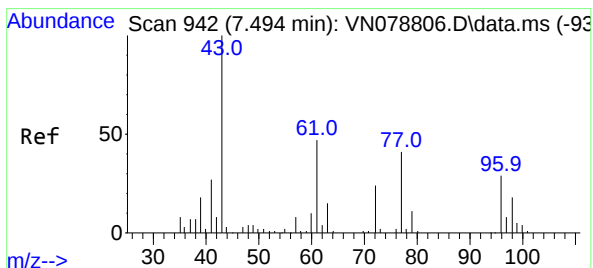
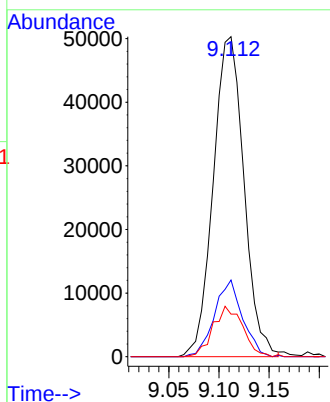
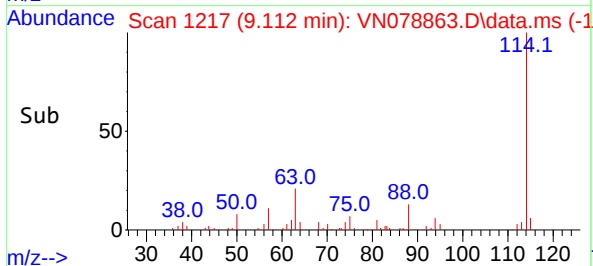
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)



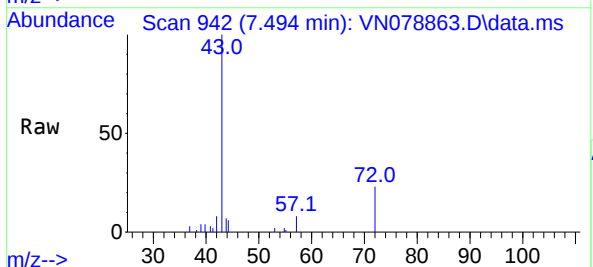
Tgt Ion: 114 Resp: 106924
Ion Ratio Lower Upper
114 100
63 21.9 15.2 22.8
88 15.2 12.5 18.7

Manual Integrations
APPROVED

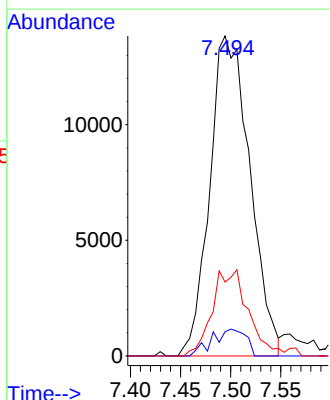
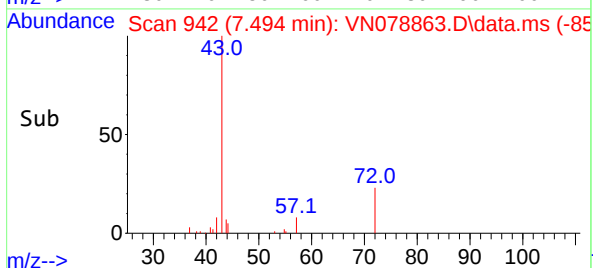
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

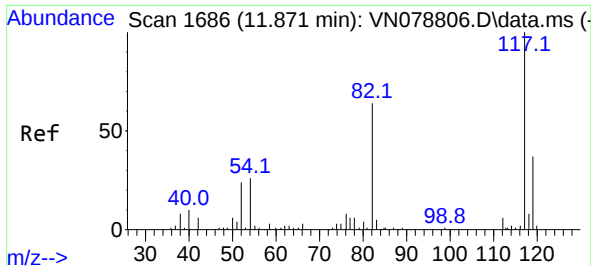


#30
2-Butanone
Concen: 45.306 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN078863.D
Acq: 11 Aug 2023 15:15



Tgt Ion: 43 Resp: 38575
Ion Ratio Lower Upper
43 100
57 4.6 6.8 10.2#
72 13.5 23.8 35.6#





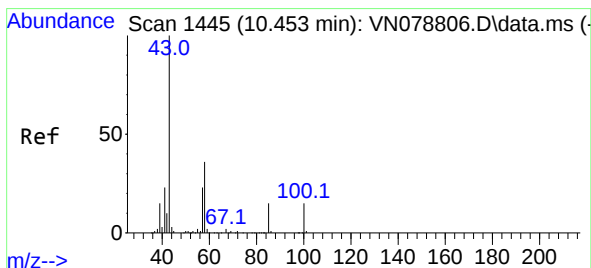
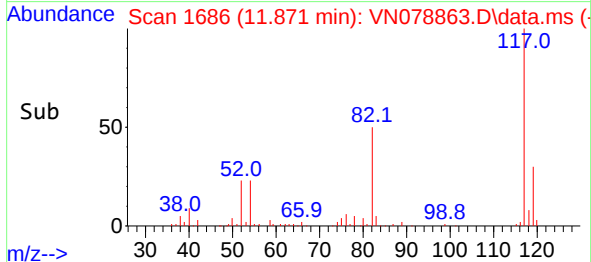
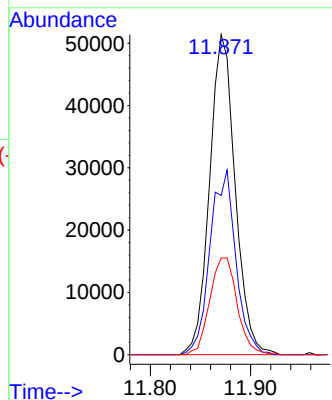
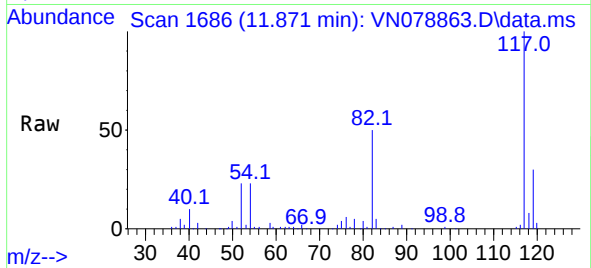
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078863.D
Acq: 11 Aug 2023 15:15

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

Tgt Ion:117 Resp: 91374
Ion Ratio Lower Upper
117 100
82 58.3 43.9 65.9
119 32.3 26.2 39.4

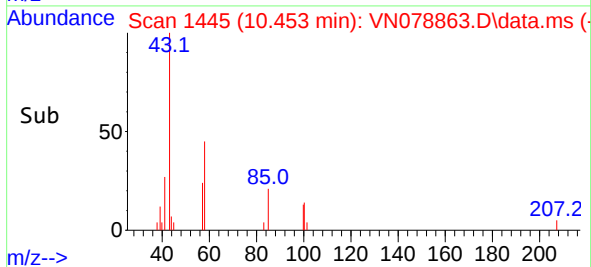
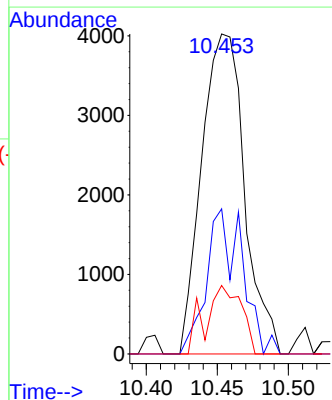
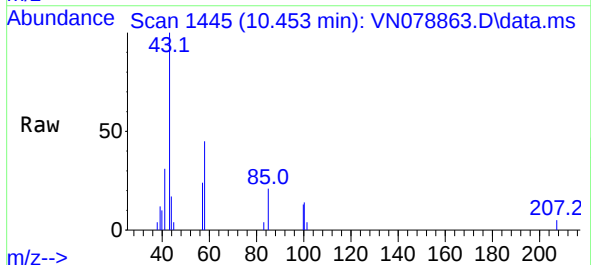
Manual Integrations
APPROVED

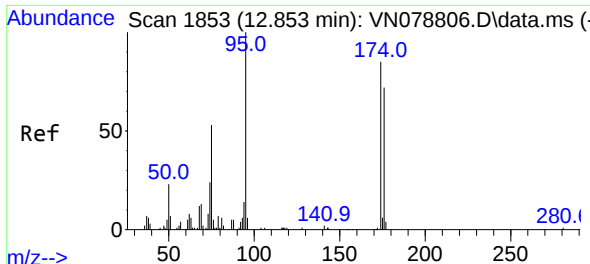
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#58
4-Methyl-2-Pentanone
Concen: 4.815 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078863.D
Acq: 11 Aug 2023 15:15

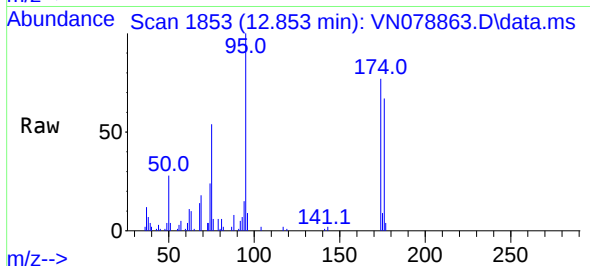
Tgt Ion: 43 Resp: 8456
Ion Ratio Lower Upper
43 100
58 24.0 32.6 48.8#
85 14.3 16.2 24.2#





#60
4-Bromofluorobenzene
Concen: 23.153 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078863.D
Acq: 11 Aug 2023 15:15

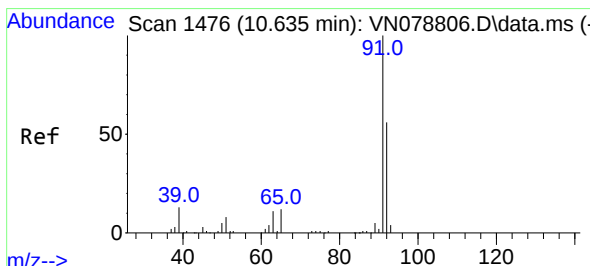
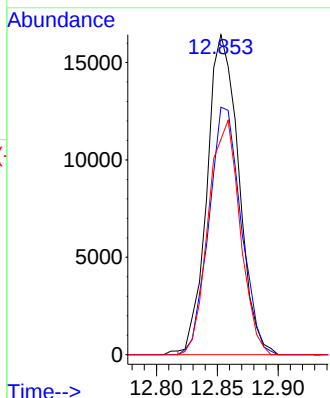
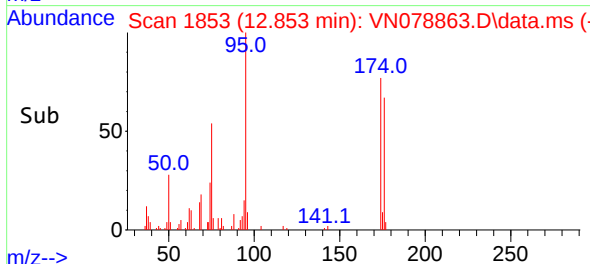
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(JULY)



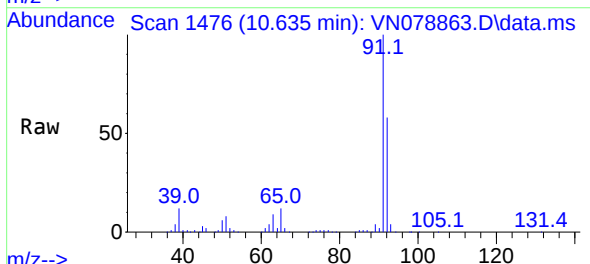
Tgt Ion: 95 Resp: 29690
Ion Ratio Lower Upper
95 100
174 78.6 61.7 92.5
176 73.4 58.1 87.1

Manual Integrations
APPROVED

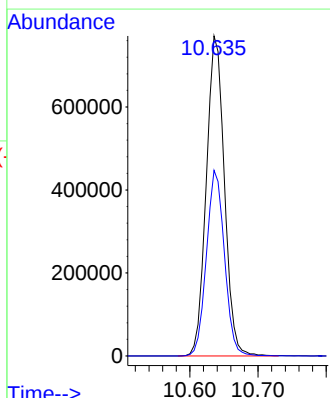
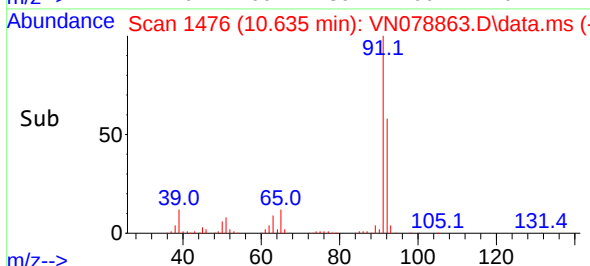
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

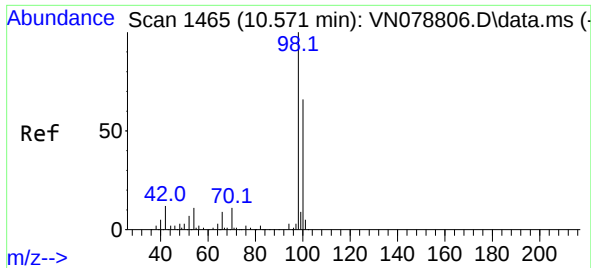


#62
Toluene
Concen: 265.170 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN078863.D
Acq: 11 Aug 2023 15:15



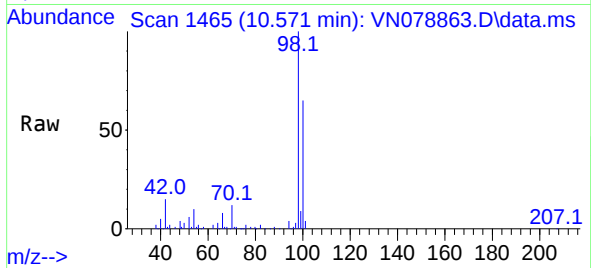
Tgt Ion: 91 Resp: 1426487
Ion Ratio Lower Upper
91 100
92 57.7 45.2 67.8





#63
Toluene-d8
Concen: 28.432 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078863.D
Acq: 11 Aug 2023 15:15

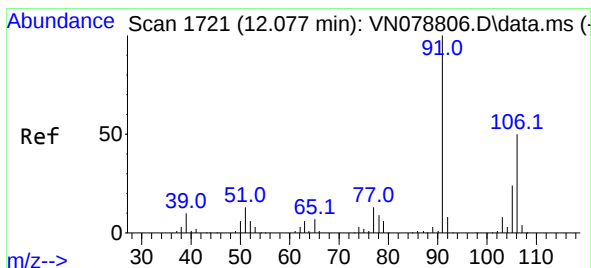
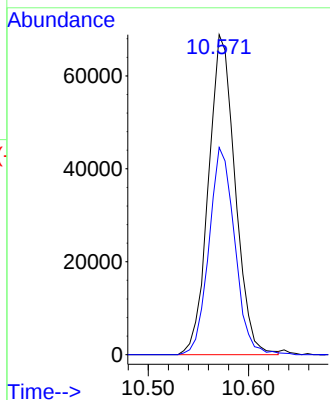
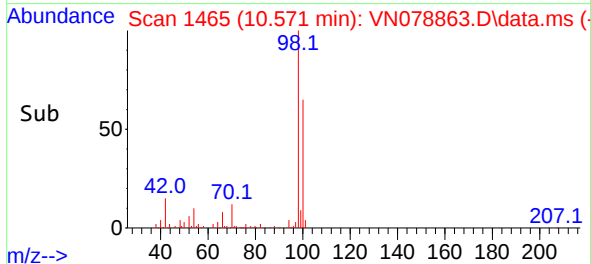
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(JULY)



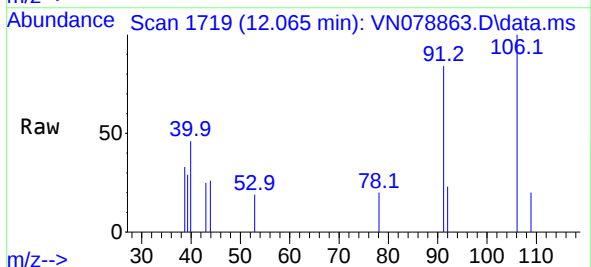
Tgt Ion: 98 Resp: 127300
Ion Ratio Lower Upper
98 100
100 62.6 49.7 74.5

Manual Integrations
APPROVED

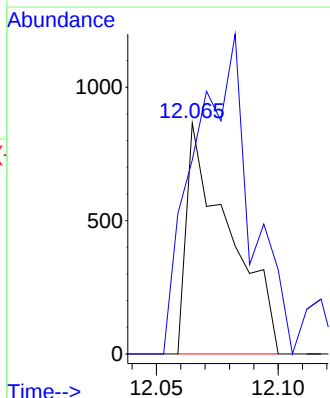
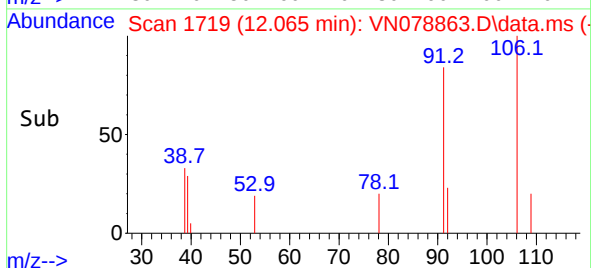
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

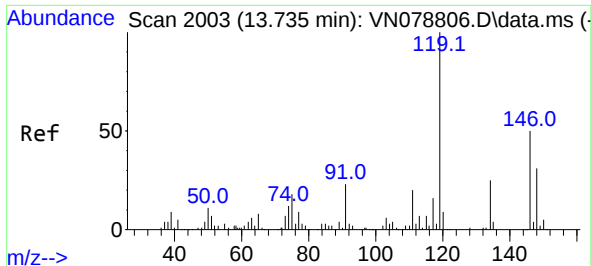


#67
m/p-Xylenes
Concen: 0.517 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.012 min
Lab File: VN078863.D
Acq: 11 Aug 2023 15:15



Tgt Ion:106 Resp: 1060
Ion Ratio Lower Upper
106 100
91 154.7 162.5 243.7#





#82
 p-Isopropyltoluene
 Concen: 1.442 ug/l
 RT: 13.735 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN078863.D
 Acq: 11 Aug 2023 15:15

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

Tgt Ion:119 Resp: 4964
 Ion Ratio Lower Upper
 119 100
 134 38.5 0.0 52.4
 91 20.4 0.0 48.2

Manual Integrations
 APPROVED

Reviewed By :John Carlone 08/14/2023
 Supervised By :Mahesh Dadoda 08/15/2023

