

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061020\
 Data File : VN061738.D
 Acq On : 10 Jun 2020 15:41
 Operator : JC/MD
 Sample : L2955-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jun 11 03:19:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 12:28:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	55095	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	286040	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	253341	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	101470	29.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.43%
60) 4-Bromofluorobenzene	12.38	95	98943	26.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.33%
63) Toluene-d8	10.06	98	324239	30.13	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.43%

Target Compounds

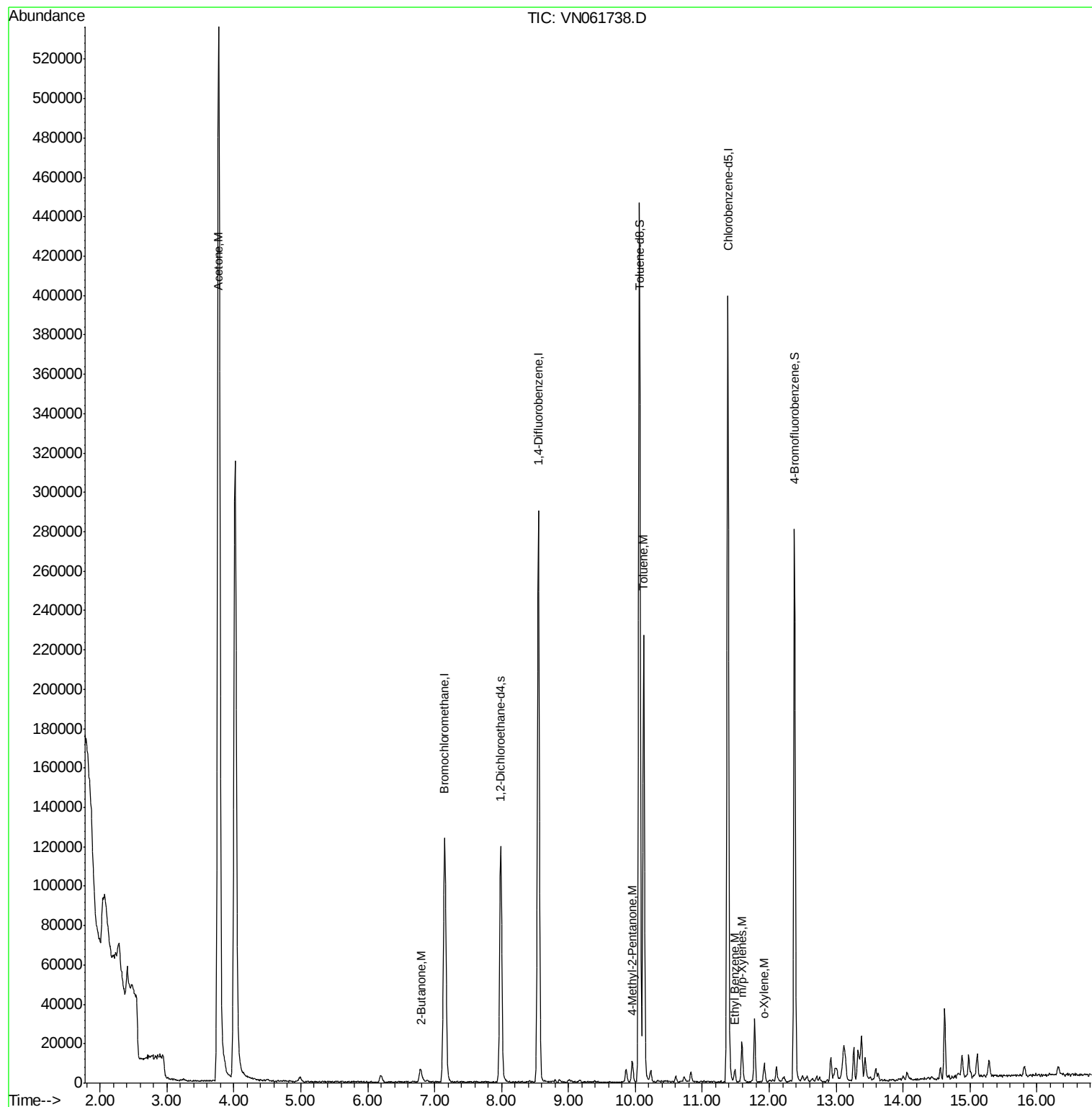
					Ovalue	
15) Acetone	3.77	58	323872	951.860	ug/l	94
30) 2-Butanone	6.79	43	10875	8.168	ug/l #	52
58) 4-Methyl-2-Pentanone	9.95	43	7227	2.758	ug/l	97
62) Toluene	10.12	91	181597	14.277	ug/l	99
66) Ethyl Benzene	11.49	91	4647	0.334	ug/l	90
67) m/p-Xylenes	11.60	106	6977	1.260	ug/l	93
68) o-Xylene	11.92	106	2886	0.552	ug/l	99

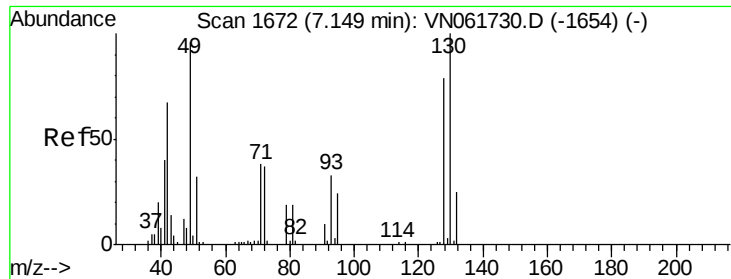
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N061020W.M
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QLast Update : Wed Jun 10 12:28:45 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061738.D

Acq: 10 Jun 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

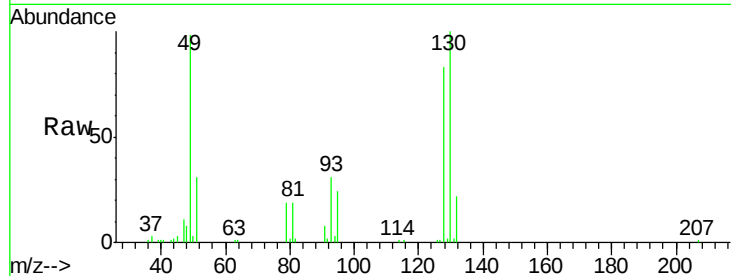
Tot Ion:128 Resp: 55095

Ion Ratio Lower Upper

128 100

49 121.7 0.0 312.3

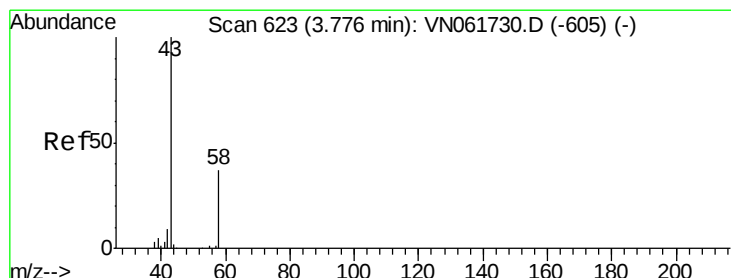
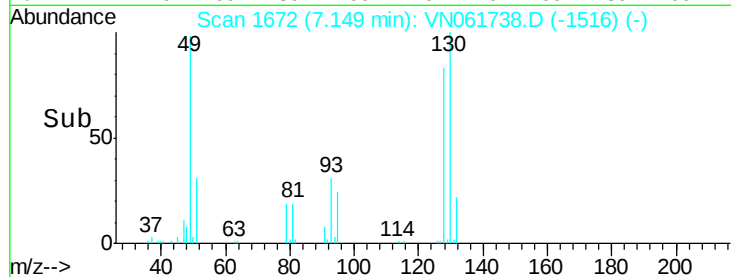
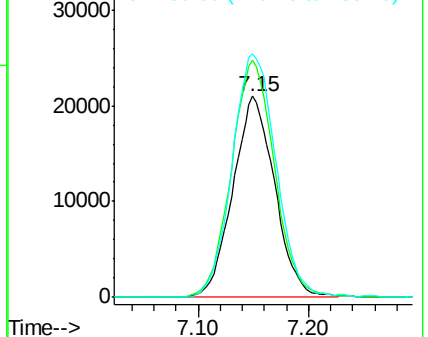
130 127.0 0.0 328.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 951.860 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN061738.D

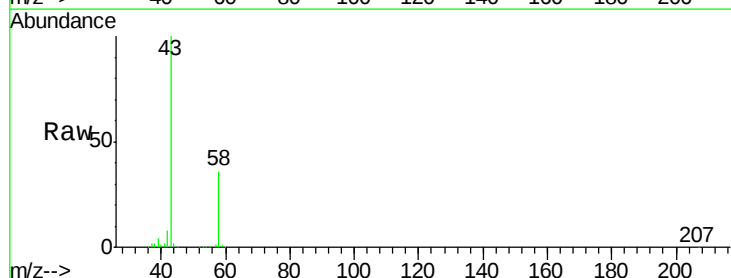
Acq: 10 Jun 2020 15:41

Tgt Ion: 58 Resp: 323872

Ion Ratio Lower Upper

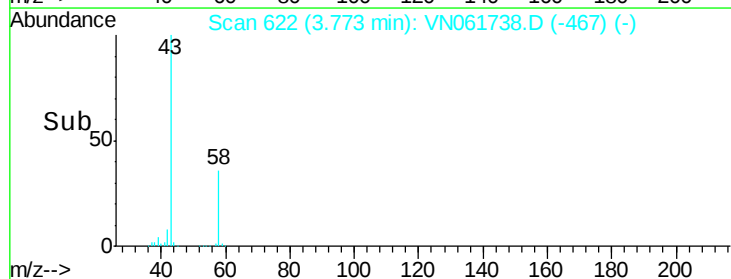
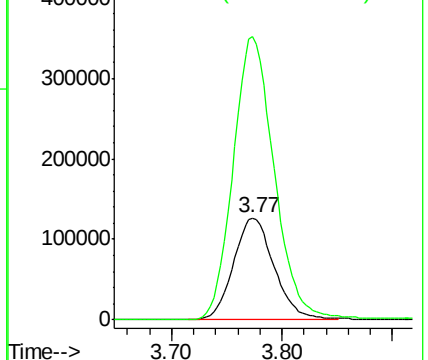
58 100

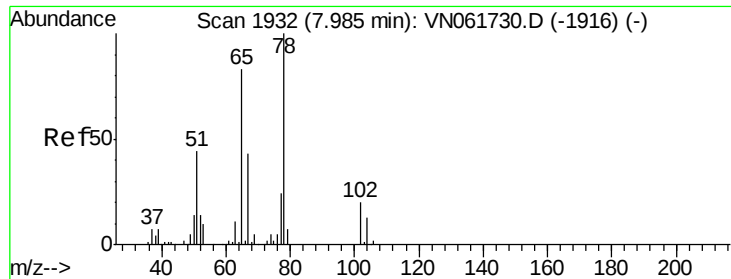
43 277.7 213.7 320.5



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 29.527 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VN061738.D

Acq: 10 Jun 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

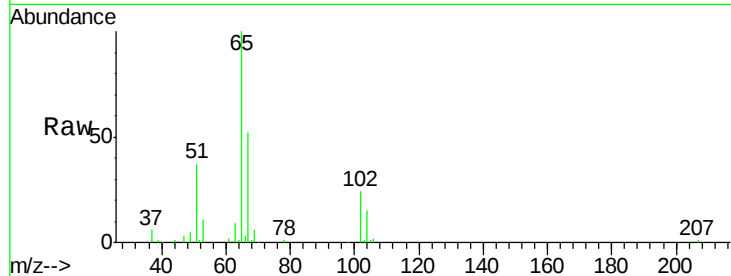
001-WILLETS-PT-BLVD(JUNE)

Tot Ion: 65 Resp: 101470

Ion Ratio Lower Upper

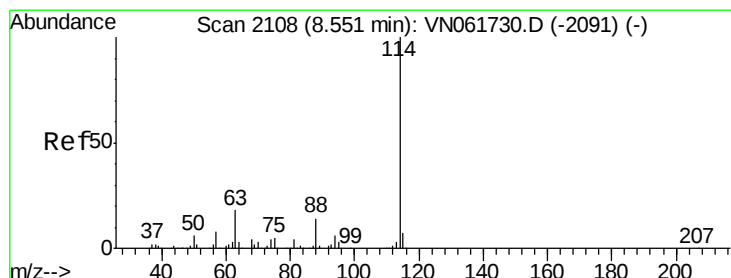
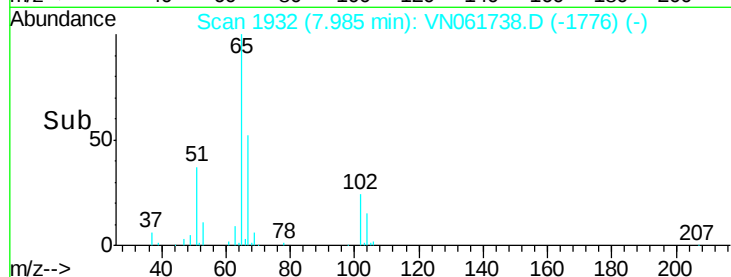
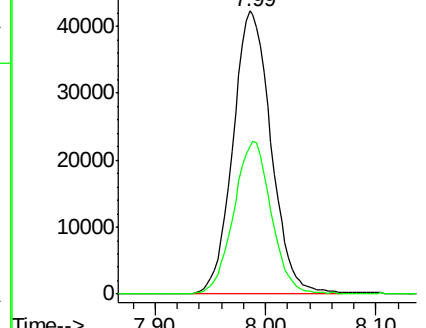
65 100

67 52.8 42.2 63.4



Abundance Ion 65.00 (64.70 to 65.70): VN061738.D (-1916) (-)

Ion 67.00 (66.70 to 67.70): VN061738.D (-1916) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061738.D

Acq: 10 Jun 2020 15:41

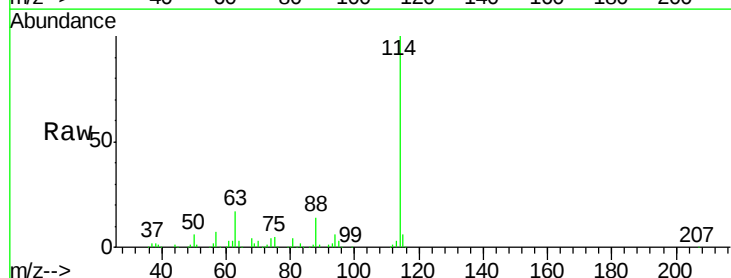
Tgt Ion: 114 Resp: 286040

Ion Ratio Lower Upper

114 100

63 16.9 14.2 21.2

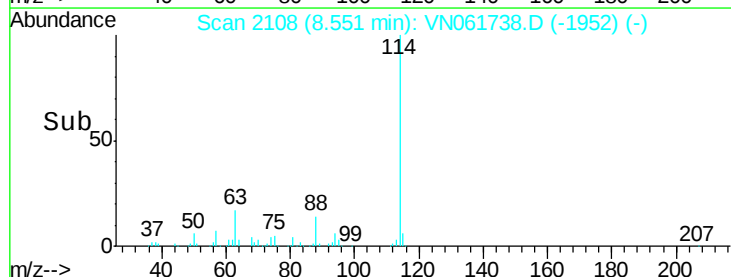
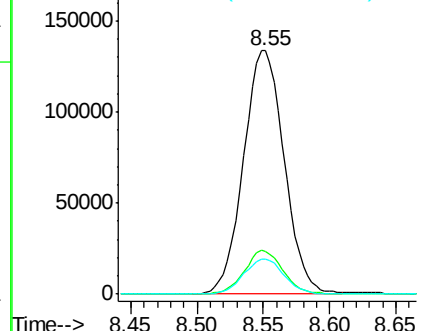
88 14.3 11.4 17.2

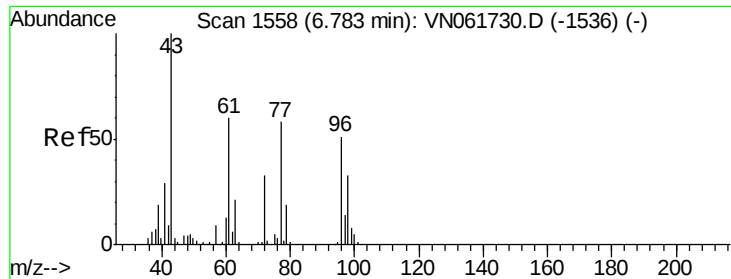


Abundance Ion 114.00 (113.70 to 114.70): VN061738.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN061738.D (-2091) (-)

Ion 88.00 (87.70 to 88.70): VN061738.D (-2091) (-)

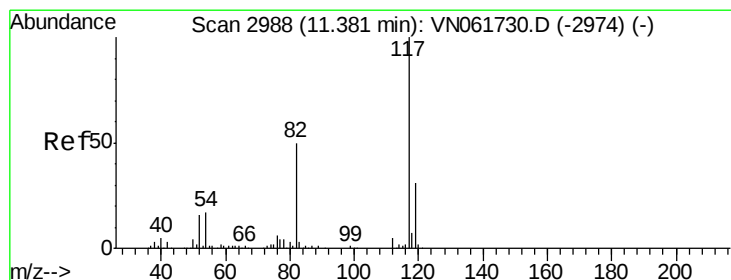
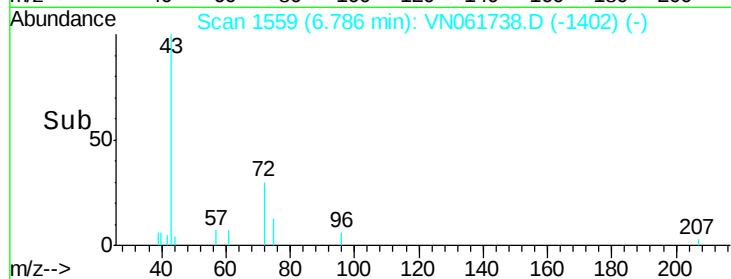
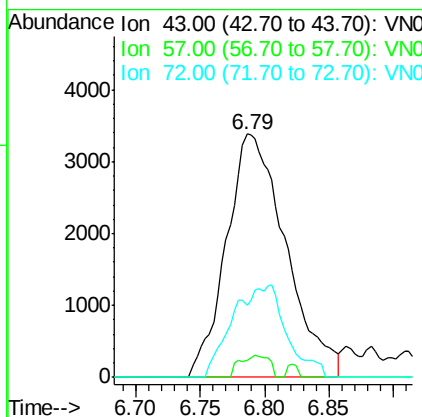
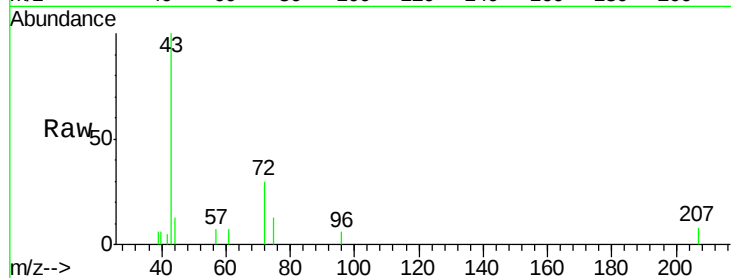




#30
2-Butanone
Concen: 8.168 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061738.D
Acq: 10 Jun 2020 15:41

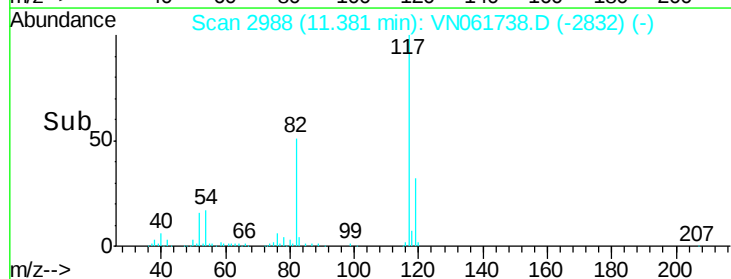
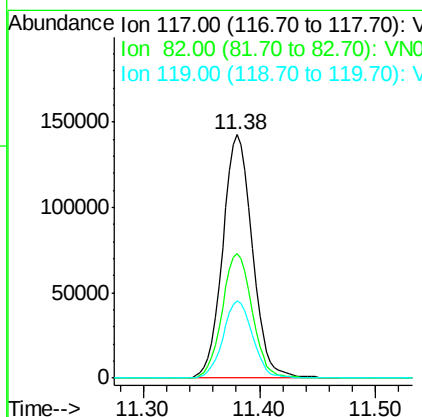
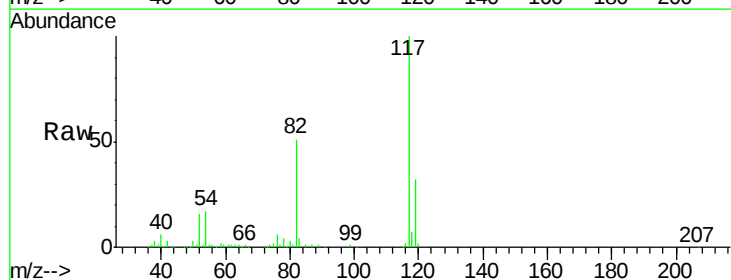
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

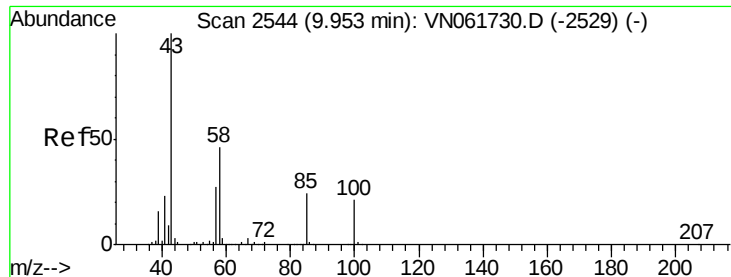
Tot Ion: 43 Resp: 10875
Ion Ratio Lower Upper
43 100
57 3.3 7.6 11.4#
72 1.8 27.8 41.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061738.D
Acq: 10 Jun 2020 15:41

Tgt Ion: 117 Resp: 253341
Ion Ratio Lower Upper
117 100
82 51.9 40.6 60.8
119 31.7 25.4 38.2

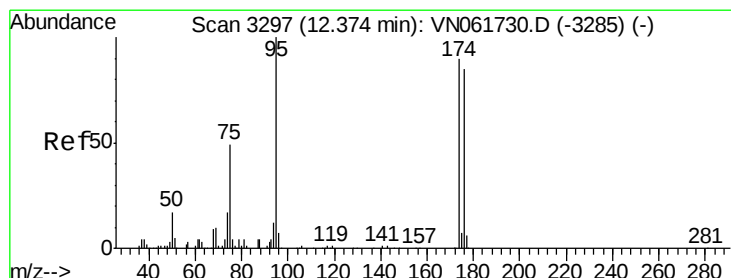
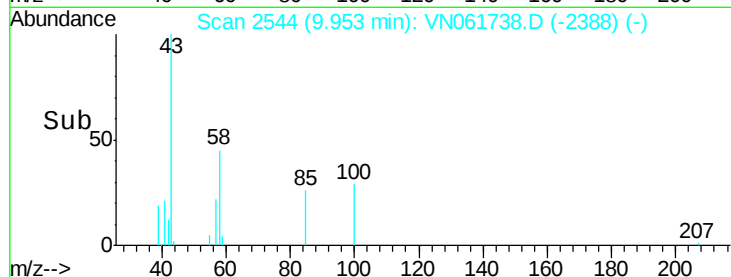
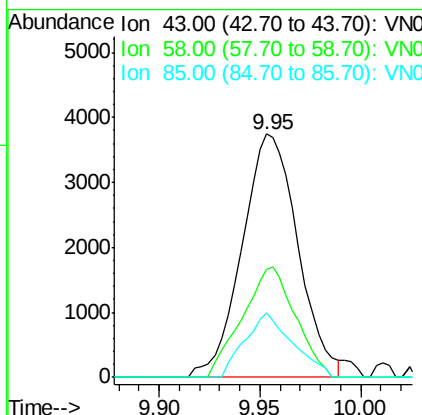
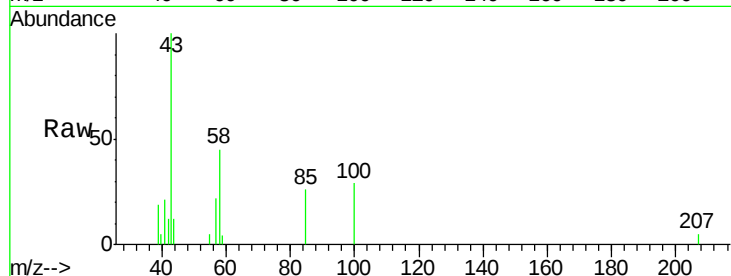




#58
4-Methyl-2-Pentanone
Concen: 2.758 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061738.D
Acq: 10 Jun 2020 15:41

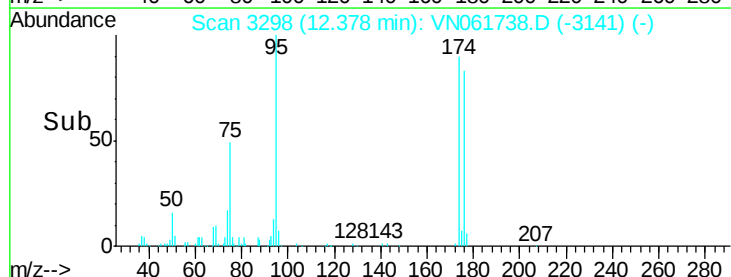
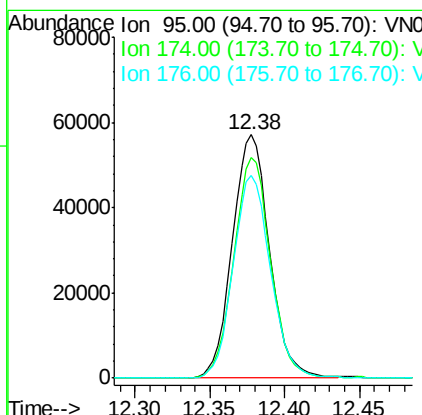
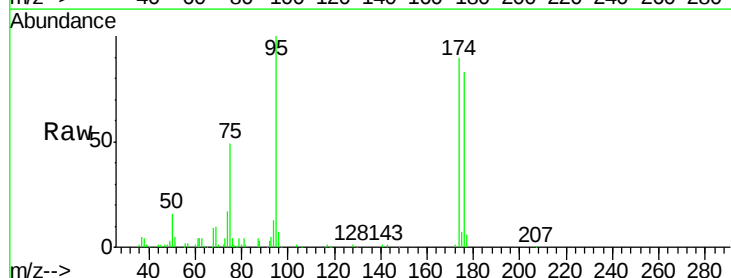
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

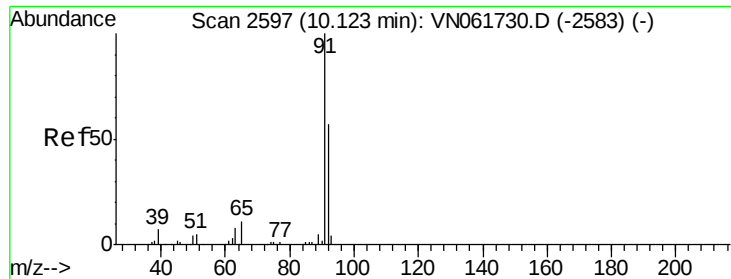
Tot Ion: 43 Resp: 7227
Ion Ratio Lower Upper
43 100
58 43.1 36.6 54.8
85 22.6 19.0 28.6



#60
4-Bromofluorobenzene
Concen: 26.504 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061738.D
Acq: 10 Jun 2020 15:41

Tgt Ion: 95 Resp: 98943
Ion Ratio Lower Upper
95 100
174 89.4 72.8 109.2
176 83.7 69.2 103.8





#62

Toluene

Concen: 14.277 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061738.D

Acq: 10 Jun 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

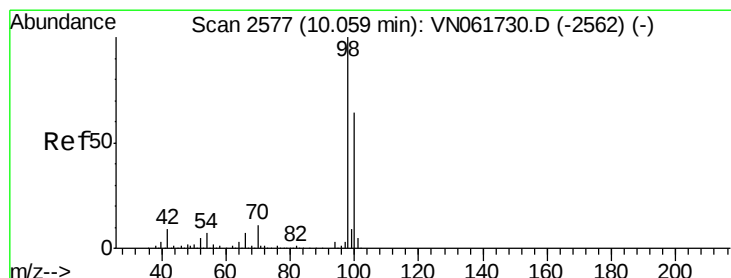
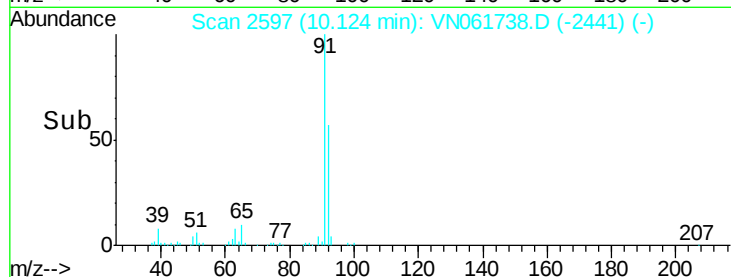
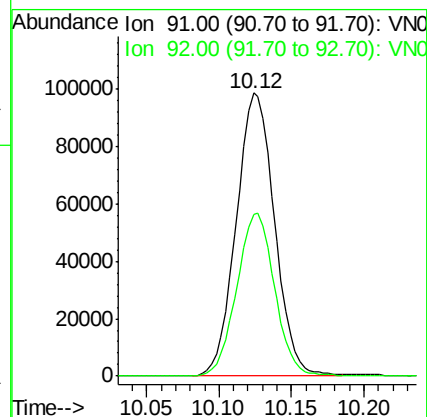
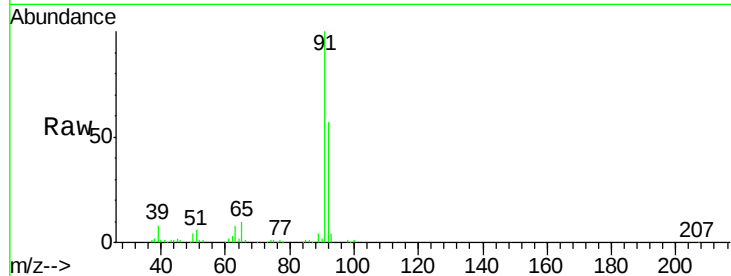
001-WILLETS-PT-BLVD(JUNE)

Tot Ion: 91 Resp: 181597

Ion Ratio Lower Upper

91 100

92 56.8 45.8 68.8



#63

Toluene-d8

Concen: 30.130 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061738.D

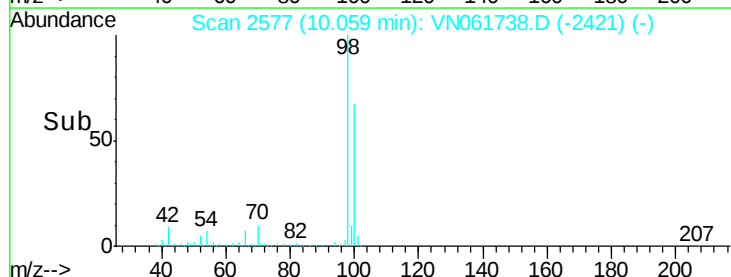
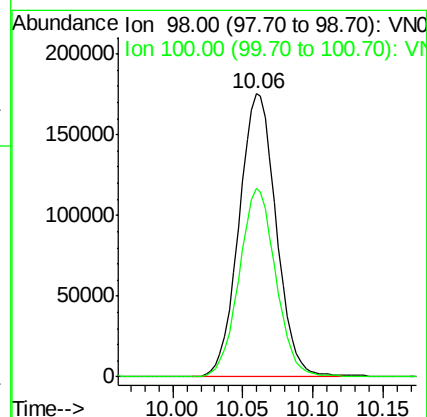
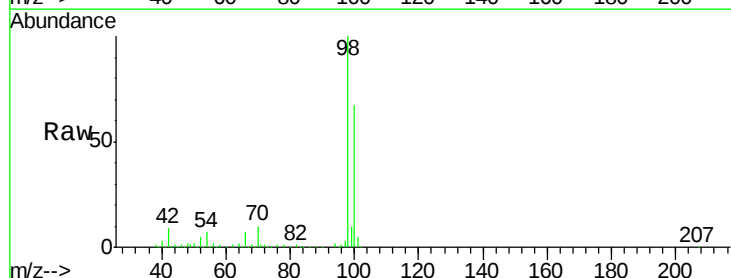
Acq: 10 Jun 2020 15:41

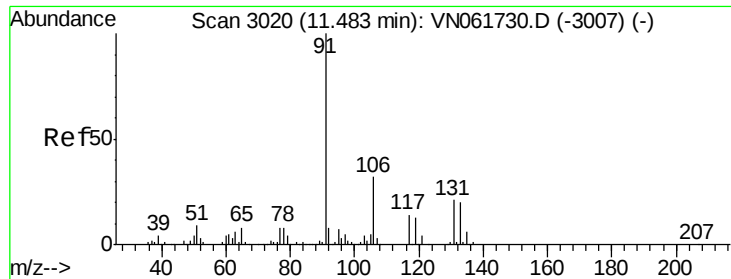
Tgt Ion: 98 Resp: 324239

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.4

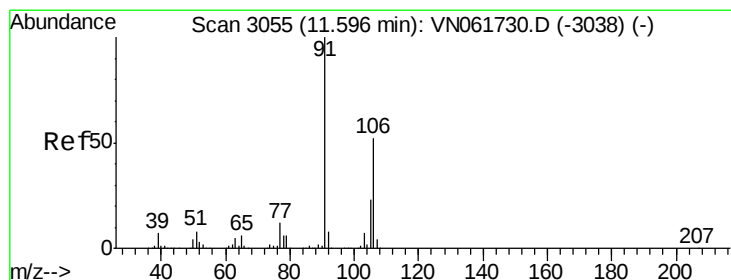
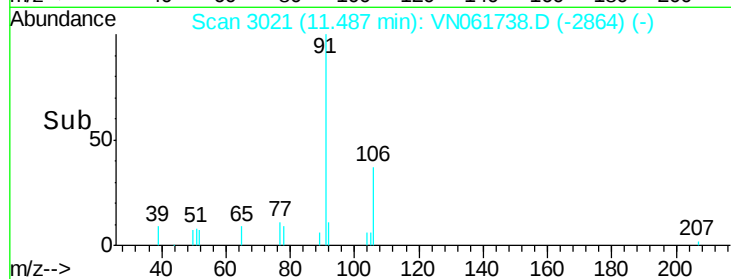
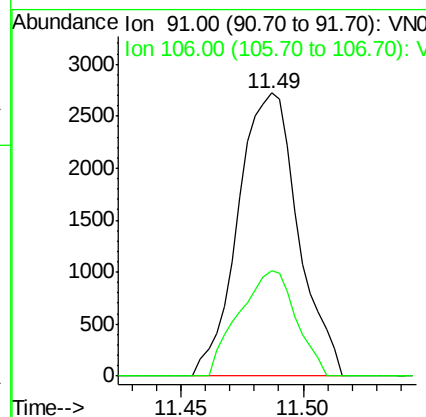
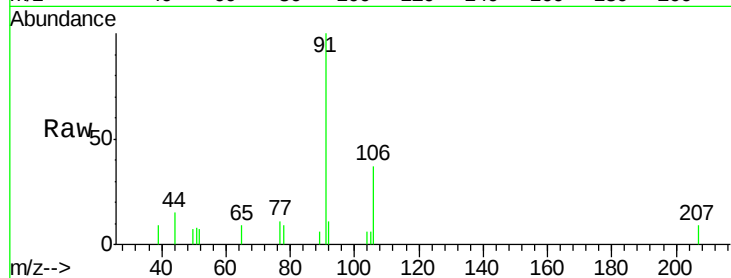




#66
Ethyl Benzene
Concen: 0.334 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN061738.D
Acq: 10 Jun 2020 15:41

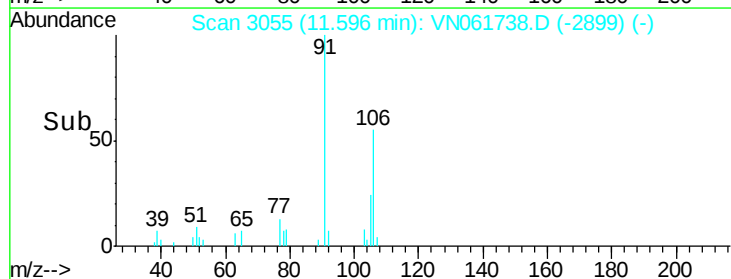
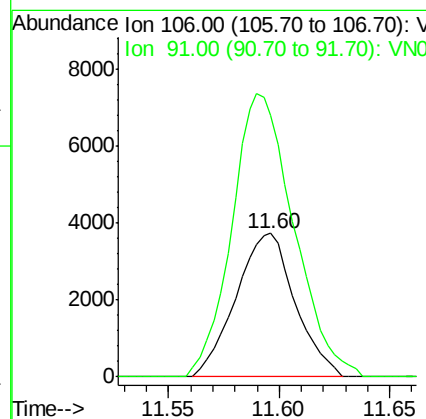
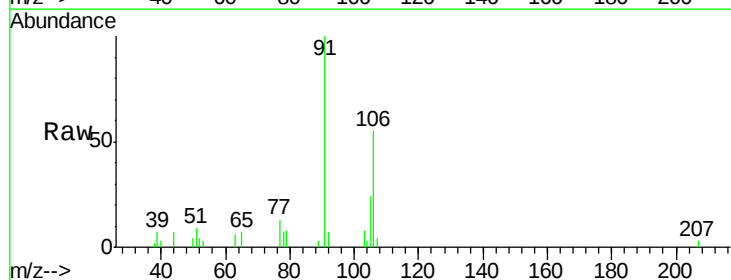
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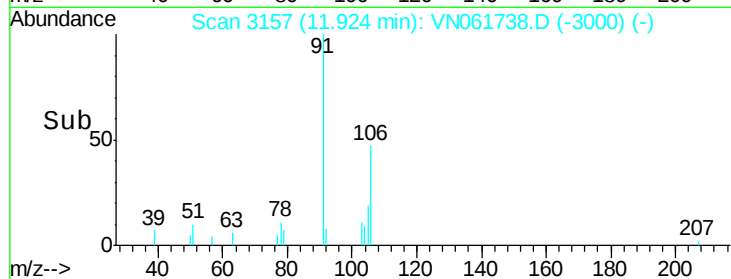
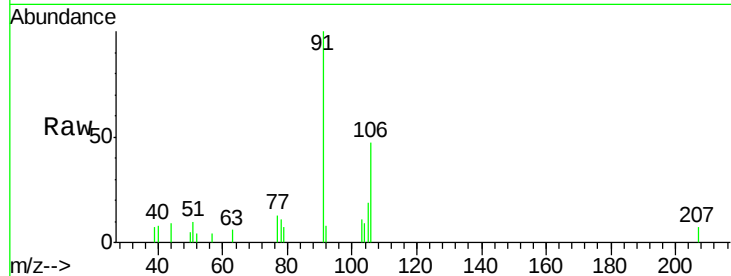
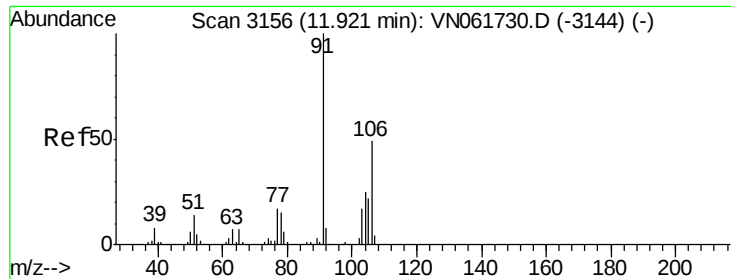
Tot Ion: 91 Resp: 4647
Ion Ratio Lower Upper
91 100
106 37.4 25.7 38.5



#67
m/p-Xylenes
Concen: 1.260 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061738.D
Acq: 10 Jun 2020 15:41

Tgt Ion: 106 Resp: 6977
Ion Ratio Lower Upper
106 100
91 205.2 156.2 234.4





#68

o-Xylene

Concen: 0.552 ug/l

RT: 11.92 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VN061738.D

Acq: 10 Jun 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

Tot Ion:106 Resp: 2886

Ion Ratio Lower Upper

106 100

91 202.6 101.9 305.7

