

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062936.D
 Acq On : 14 Aug 2020 13:14
 Operator : JC/MD
 Sample : L3603-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Aug 14 14:48:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 06:20:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	29080	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	136579	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	128411	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	75518	29.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.90%
60) 4-Bromofluorobenzene	12.38	95	51824	22.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	76.40%
63) Toluene-d8	10.06	98	175061	29.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.17%

Target Compounds

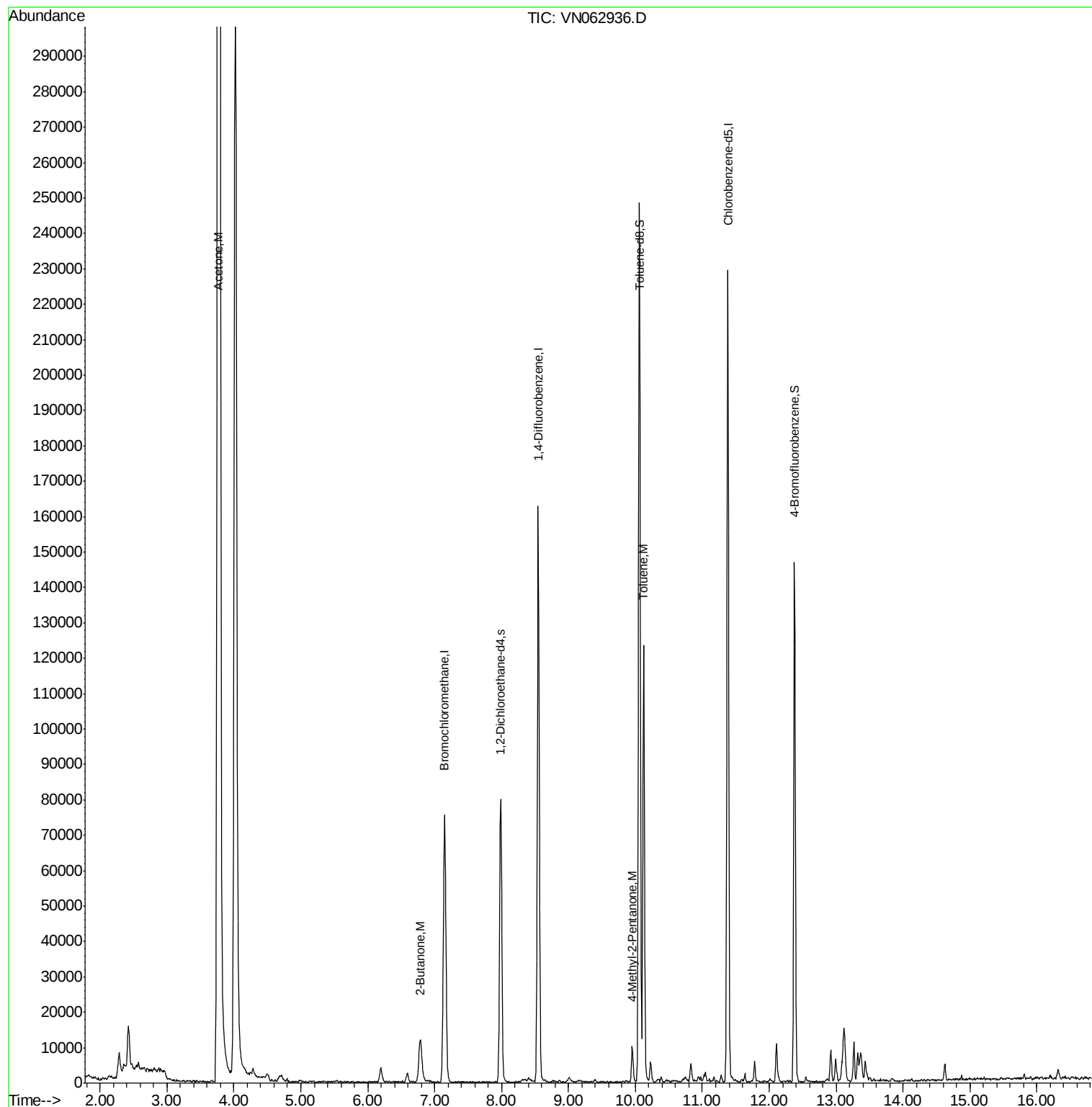
					Ovalue	
15) Acetone	3.77	58	489023	2064.013	ug/l	95
30) 2-Butanone	6.79	43	16009	15.393	ug/l #	69
58) 4-Methyl-2-Pentanone	9.95	43	7349	3.289	ug/l #	89
62) Toluene	10.12	91	92120	13.606	ug/l	99

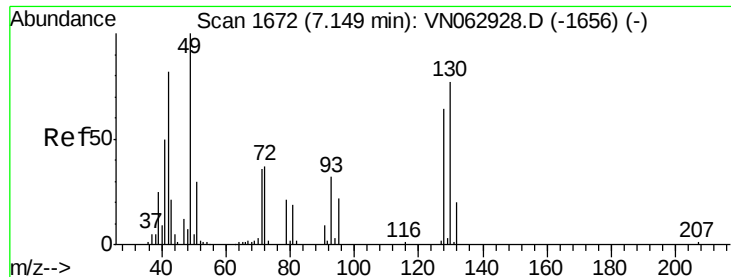
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN062936.D

Acq: 14 Aug 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD-(AUG)

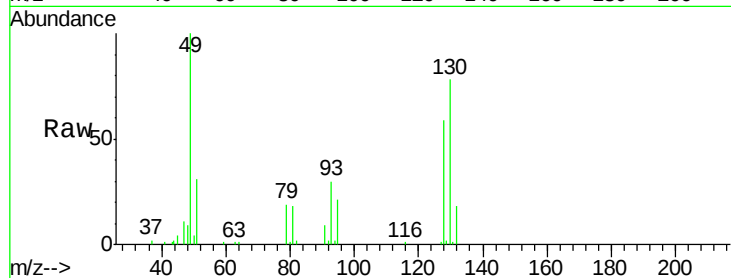
Tot Ion:128 Resp: 29080

Ion Ratio Lower Upper

128 100

49 167.5 0.0 410.0

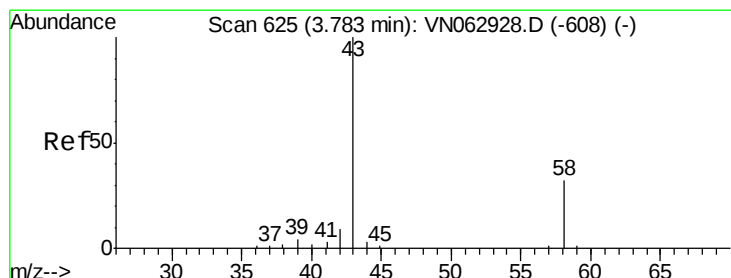
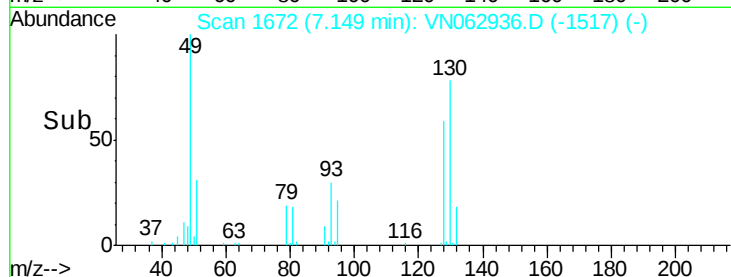
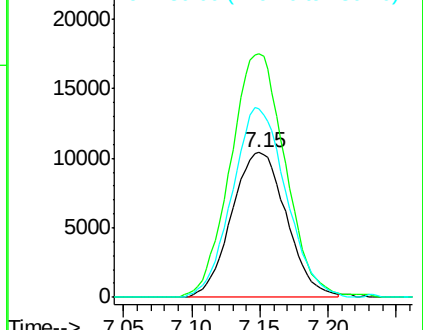
130 129.4 0.0 316.5



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: 2064.013 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.01 min

Lab File: VN062936.D

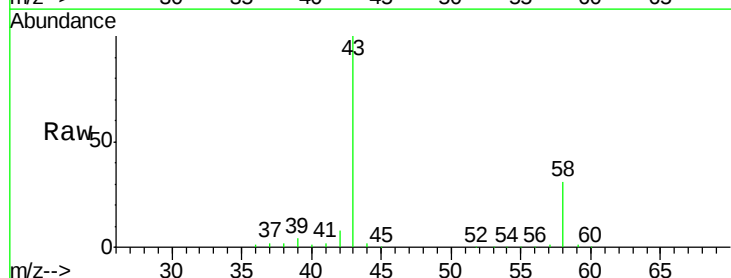
Acq: 14 Aug 2020 13:14

Tgt Ion: 58 Resp: 489023

Ion Ratio Lower Upper

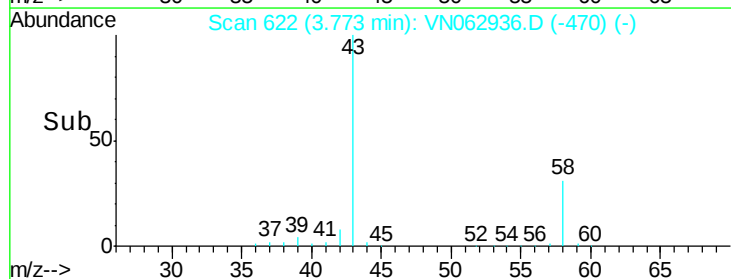
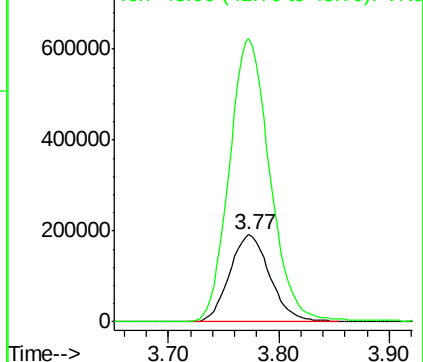
58 100

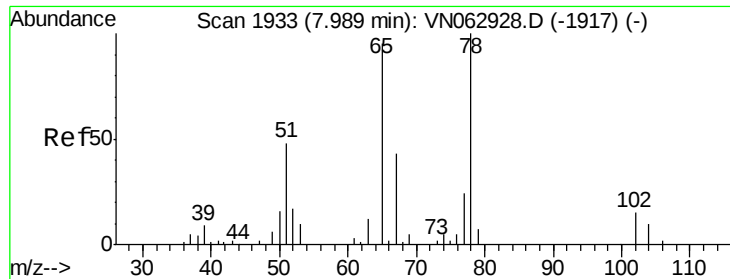
43 323.4 250.0 375.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

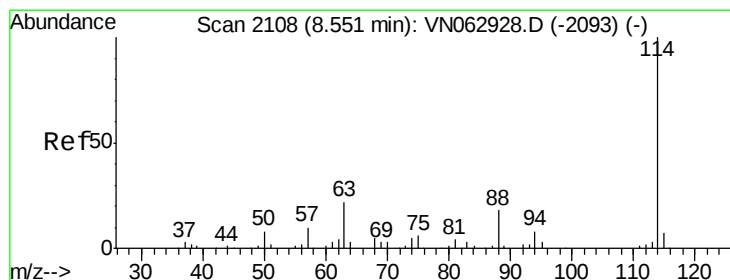
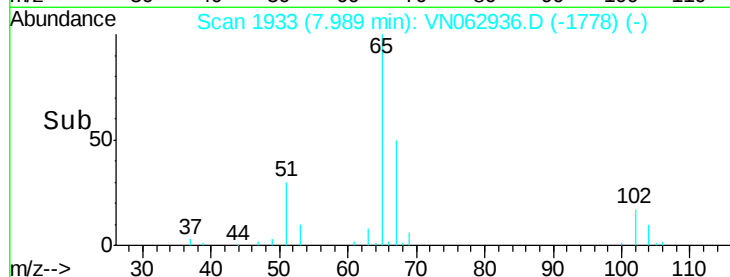
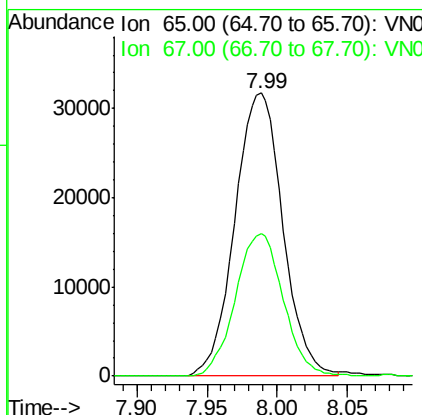
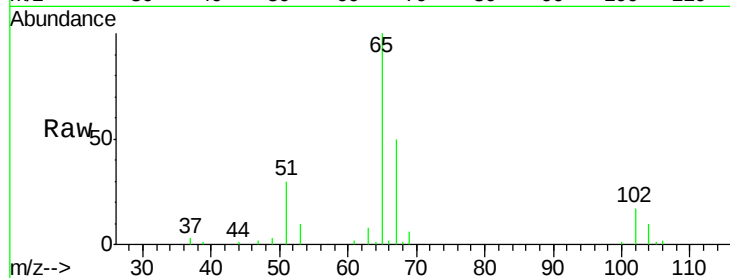




#27
 1,2-Dichloroethane-d4
 Concen: 29.071 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062936.D
 Acq: 14 Aug 2020 13:14

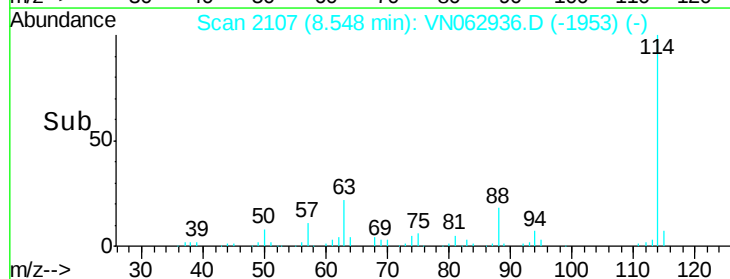
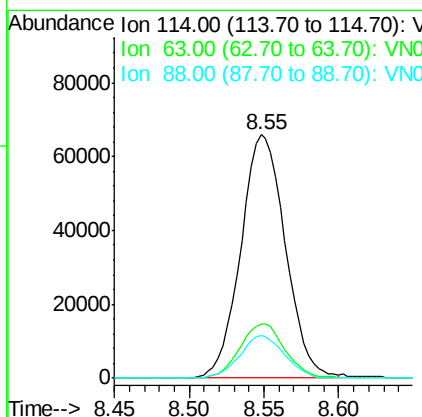
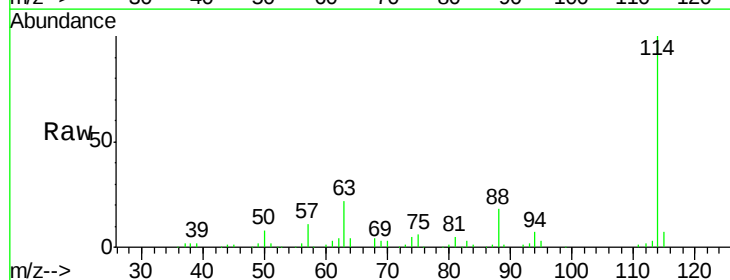
Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD-(AUG)

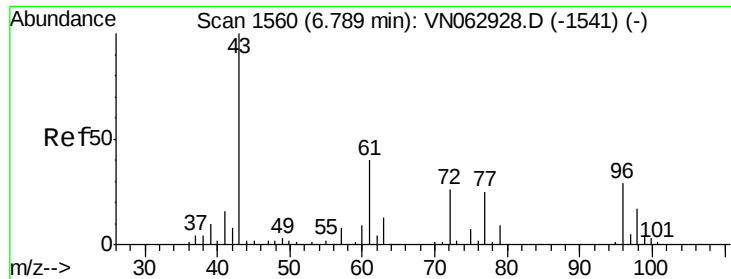
Tot Ion: 65 Resp: 75518
 Ion Ratio Lower Upper
 65 100
 67 50.2 39.5 59.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062936.D
 Acq: 14 Aug 2020 13:14

Tgt Ion: 114 Resp: 136579
 Ion Ratio Lower Upper
 114 100
 63 22.6 17.7 26.5
 88 17.5 13.9 20.9

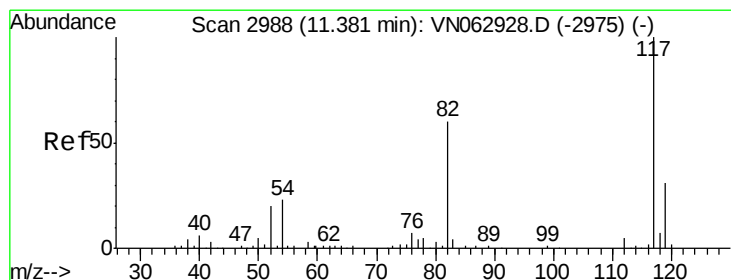
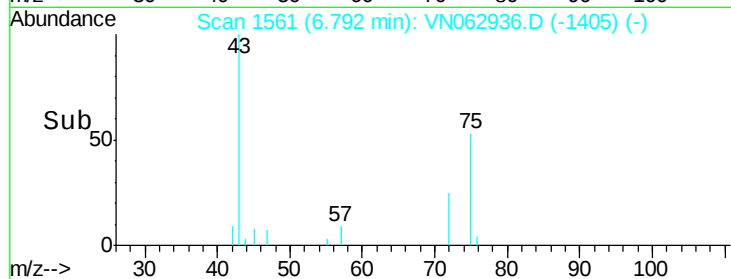
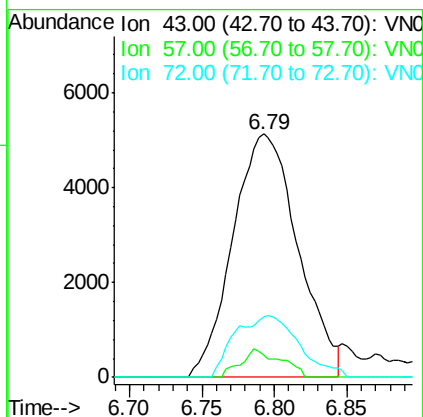
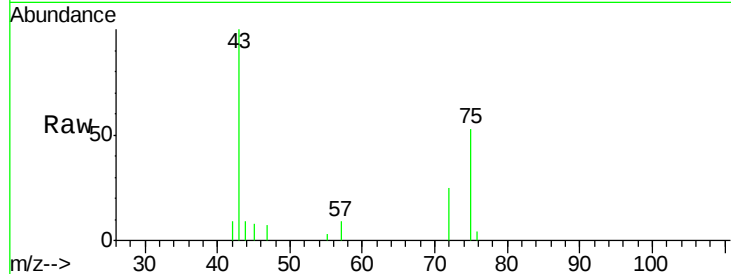




#30
 2-Butanone
 Concen: 15.393 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VN062936.D
 Acq: 14 Aug 2020 13:14

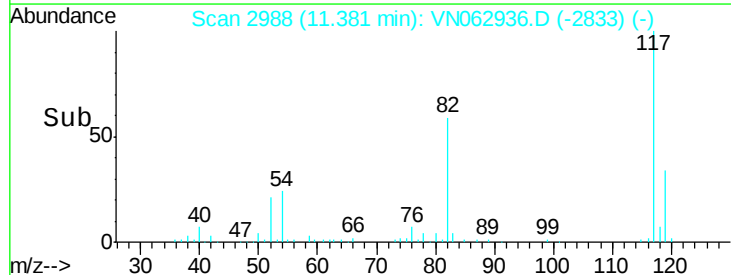
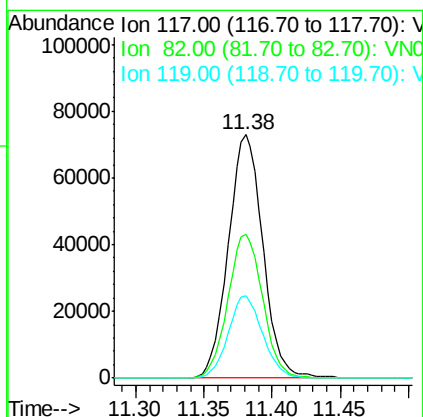
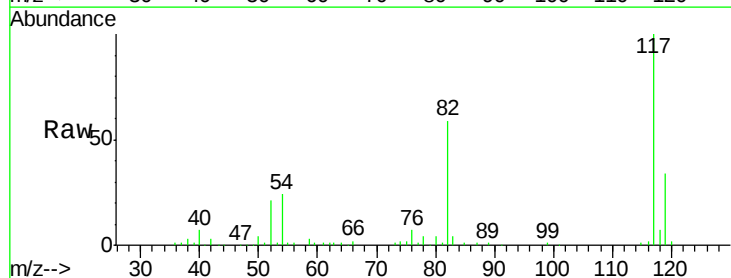
Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD-(AUG)

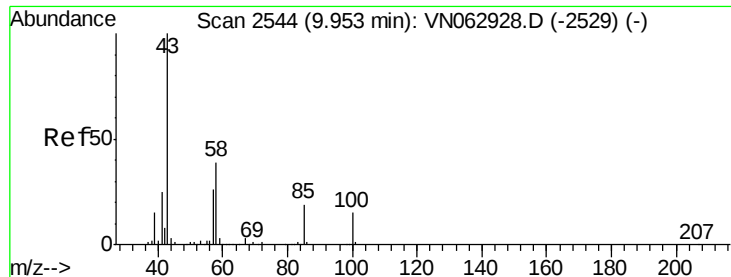
Tot Ion: 43 Resp: 16009
 Ion Ratio Lower Upper
 43 100
 57 6.4 7.0 10.6#
 72 7.6 22.0 33.0#



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN062936.D
 Acq: 14 Aug 2020 13:14

Tgt Ion: 117 Resp: 128411
 Ion Ratio Lower Upper
 117 100
 82 59.3 47.5 71.3
 119 33.6 26.0 39.0

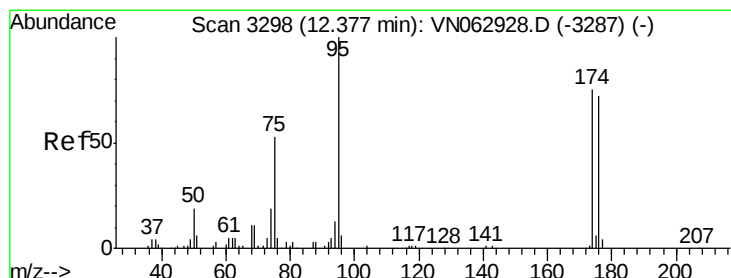
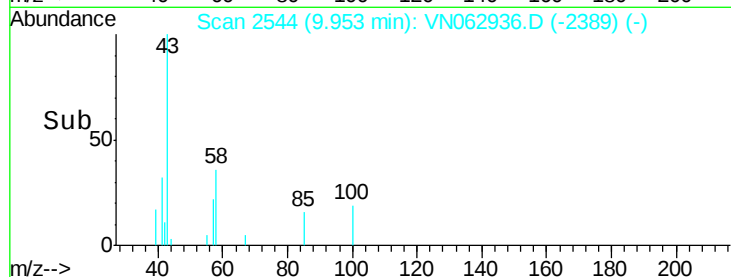
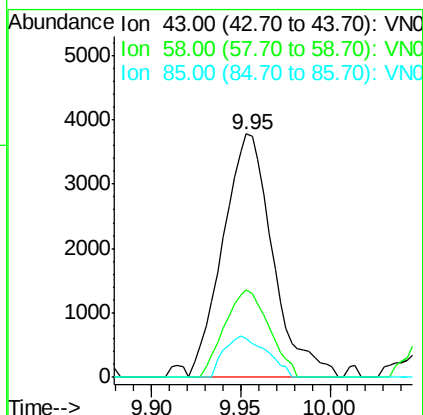
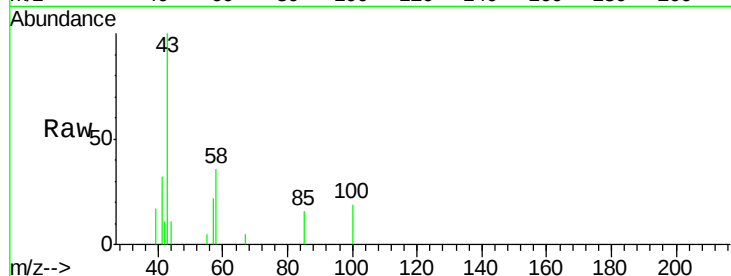




#58
 4-Methyl-2-Pentanone
 Concen: 3.289 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN062936.D
 Acq: 14 Aug 2020 13:14

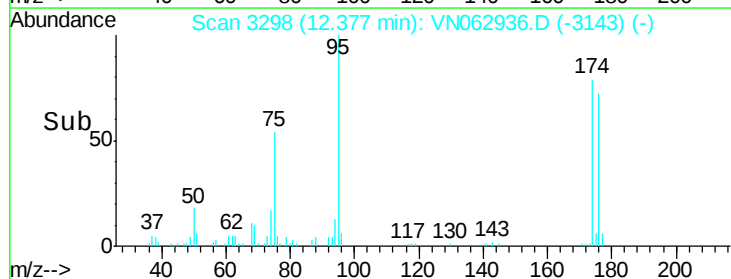
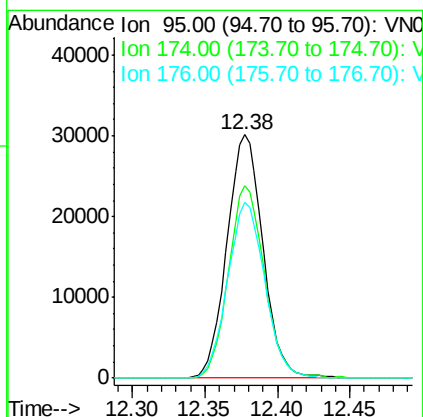
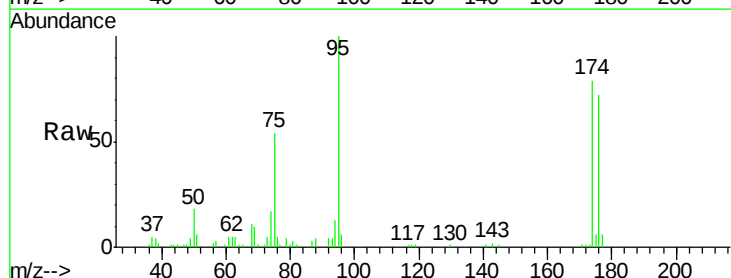
Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD-(AUG)

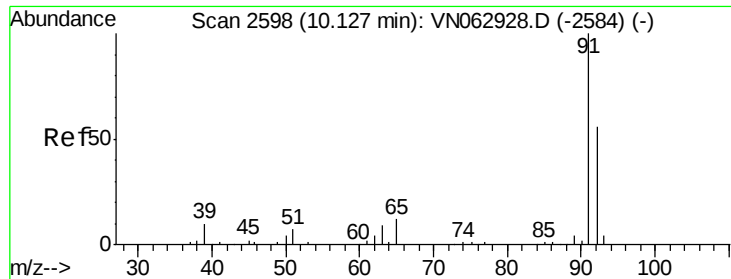
Tot Ion: 43 Resp: 7349
 Ion Ratio Lower Upper
 43 100
 58 31.9 31.3 46.9
 85 14.6 15.2 22.8#



#60
 4-Bromofluorobenzene
 Concen: 22.917 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062936.D
 Acq: 14 Aug 2020 13:14

Tgt Ion: 95 Resp: 51824
 Ion Ratio Lower Upper
 95 100
 174 78.9 60.9 91.3
 176 74.5 57.8 86.8





#62

Toluene

Concen: 13.606 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062936.D

Acq: 14 Aug 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

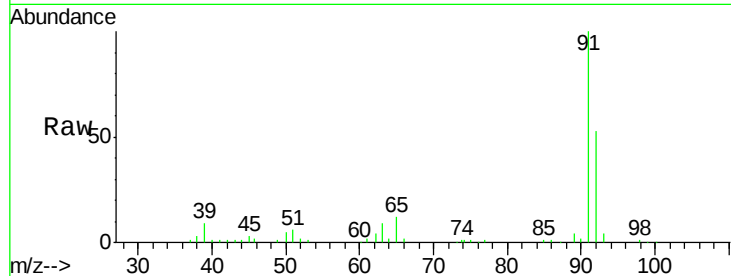
001-WILLETS-PT-BLVD-(AUG)

Tot Ion: 91 Resp: 92120

Ion Ratio Lower Upper

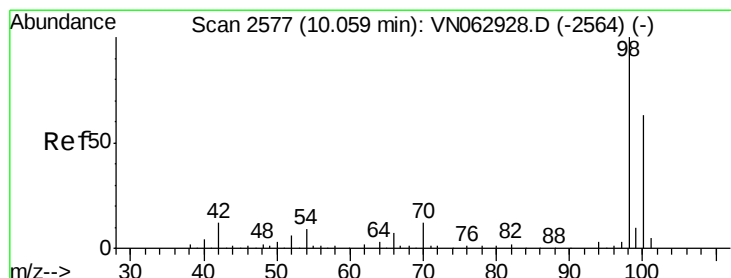
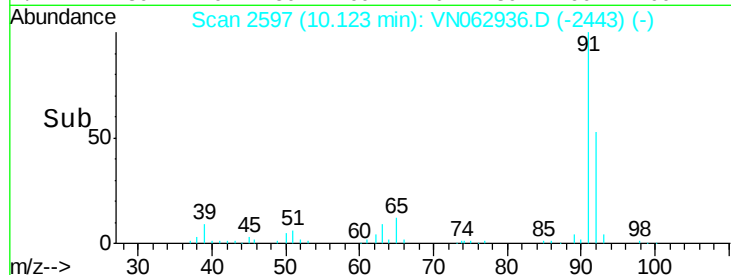
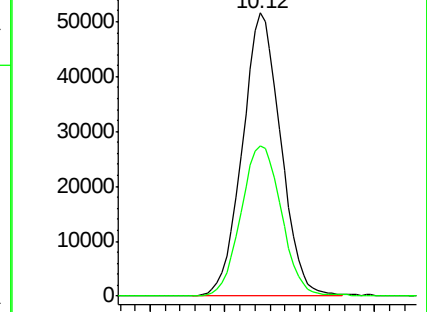
91 100

92 55.8 45.2 67.8



Abundance Ion 91.00 (90.70 to 91.70): VN062928.D (-2584) (-)

Ion 92.00 (91.70 to 92.70): VN062928.D (-2584) (-)



#63

Toluene-d8

Concen: 29.155 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062936.D

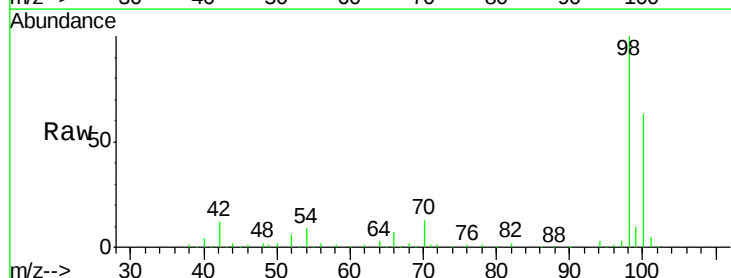
Acq: 14 Aug 2020 13:14

Tgt Ion: 98 Resp: 175061

Ion Ratio Lower Upper

98 100

100 62.3 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN062928.D (-2564) (-)

Ion 100.00 (99.70 to 100.70): VN062928.D (-2564) (-)

