

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052359.D
 Acq On : 16 Nov 2018 12:47
 Operator : MD\SY
 Sample : J5971-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 001M-WILLETS-PT-BLVD(NOV)

Quant Time: Nov 19 13:45:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	43324	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	242488	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	208765	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	108719	33.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	112.70%
60) 4-Bromofluorobenzene	12.40	95	89058	26.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.90%
63) Toluene-d8	10.09	98	295594	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

Target Compounds

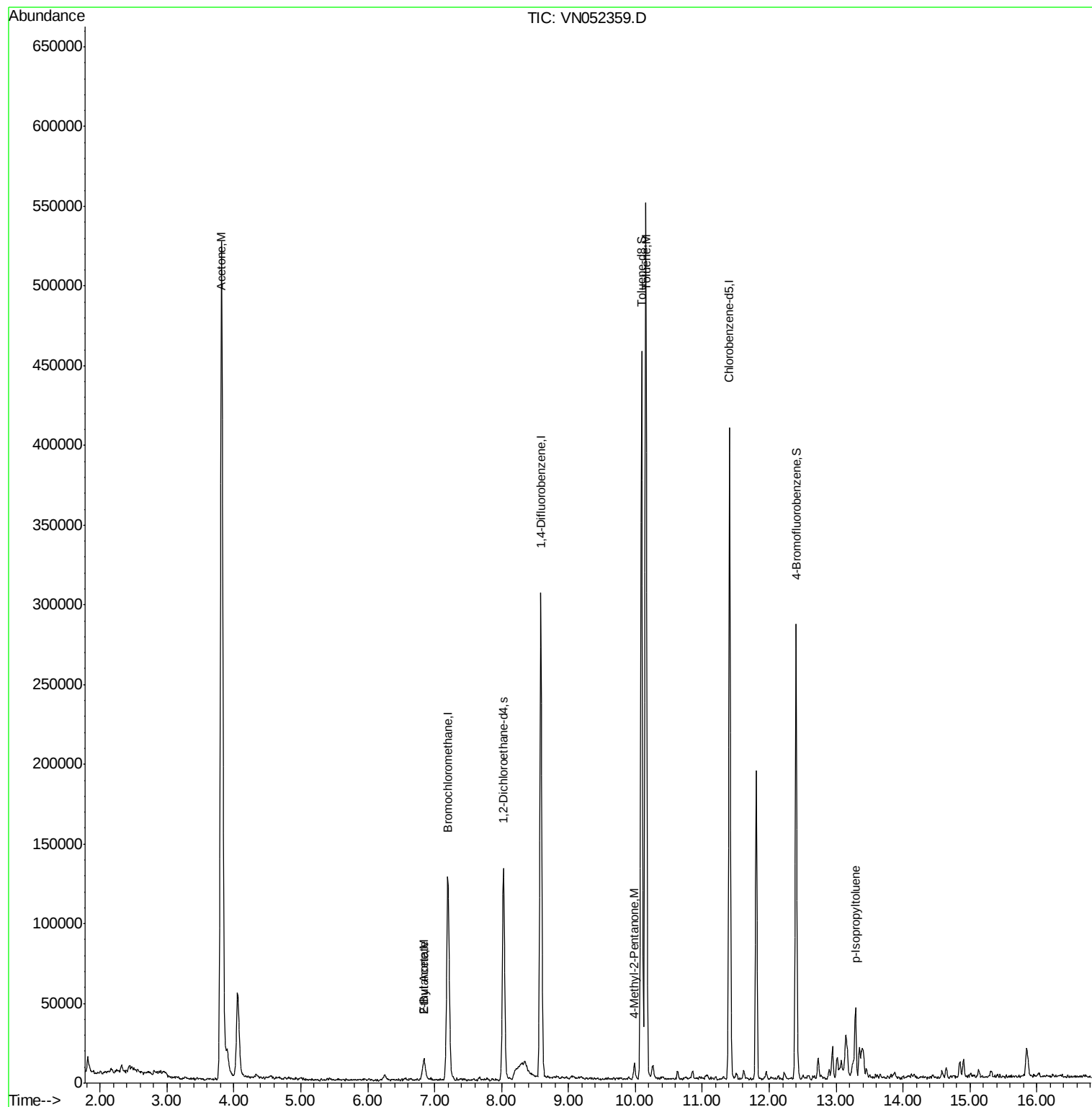
					Ovalue	
15) Acetone	3.82	58	245897	1163.397	ug/l #	60
30) 2-Butanone	6.84	43	21824	21.287	ug/l #	85
43) Ethyl Acetate	6.84	43	21824	4.236	ug/l #	89
58) 4-Methyl-2-Pentanone	9.99	43	6925	3.096	ug/l #	94
62) Toluene	10.16	91	394055	33.625	ug/l	99
82) p-Isopropyltoluene	13.29	119	18092	1.785	ug/l	96

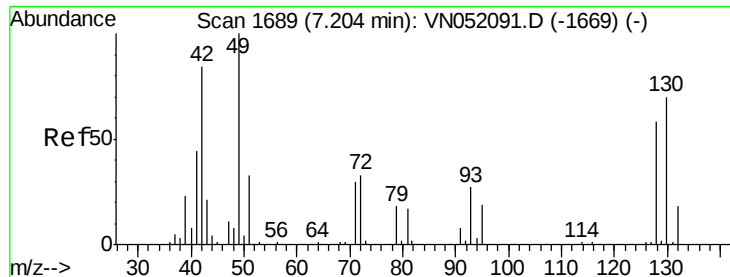
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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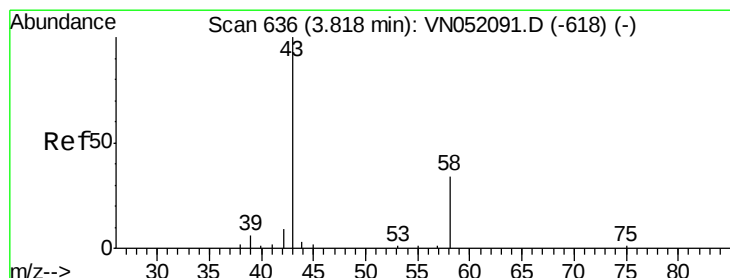
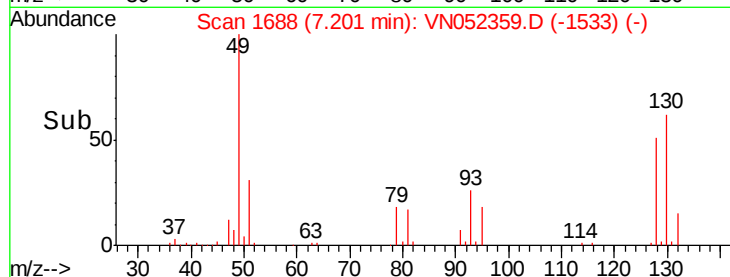
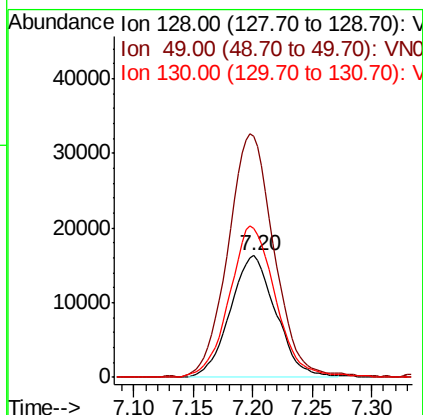
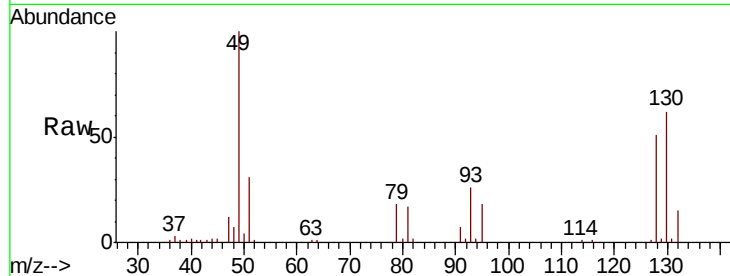




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN052359.D
 Acq: 16 Nov 2018 12:47

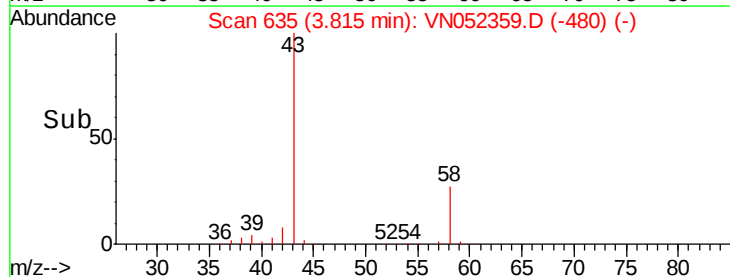
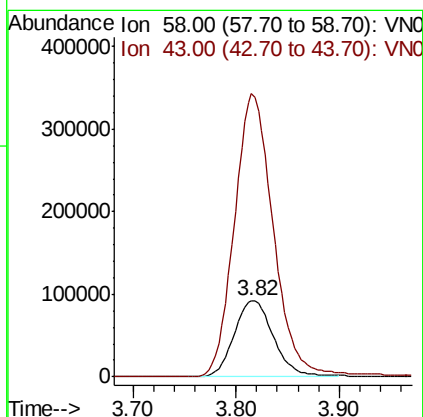
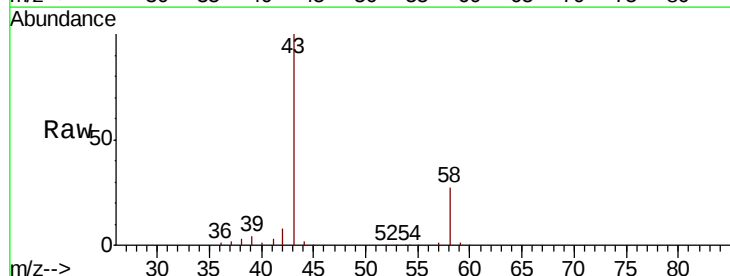
Instrument :
 MSVOA_N
 ClientSampleId :
 001M-WILLETS-PT-BLVD(NOV)

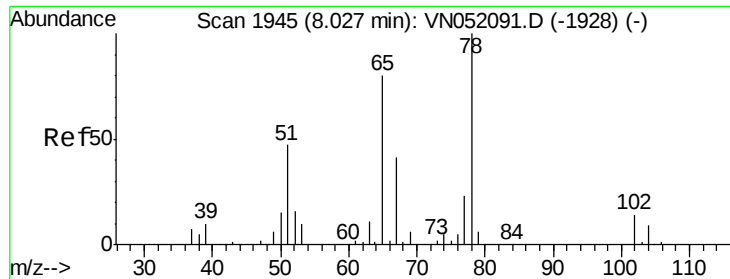
Tot Ion:128 Resp: 43324
 Ion Ratio Lower Upper
 128 100
 49 200.1 0.0 453.7
 130 125.6 0.0 308.8



#15
 Acetone
 Concen: 1163.397 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN052359.D
 Acq: 16 Nov 2018 12:47

Tgt Ion: 58 Resp: 245897
 Ion Ratio Lower Upper
 58 100
 43 370.1 234.7 352.1#

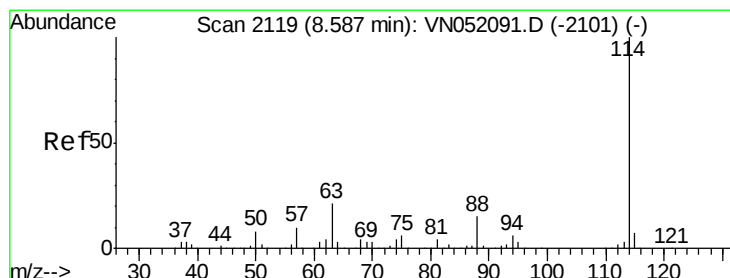
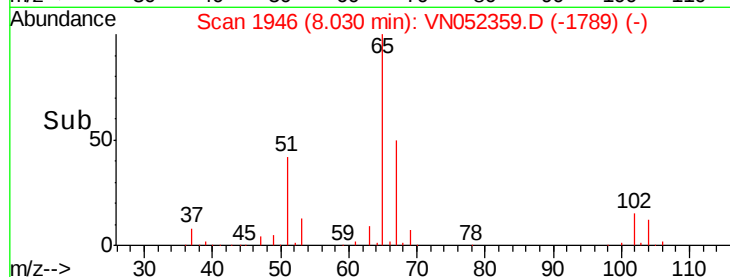
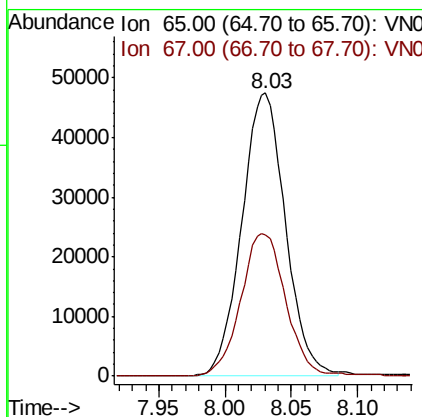
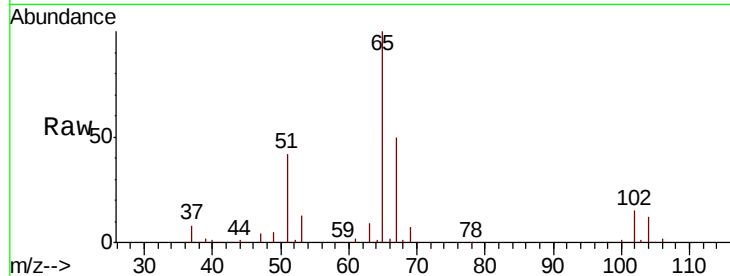




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052359.D
 Acq: 16 Nov 2018 12:47

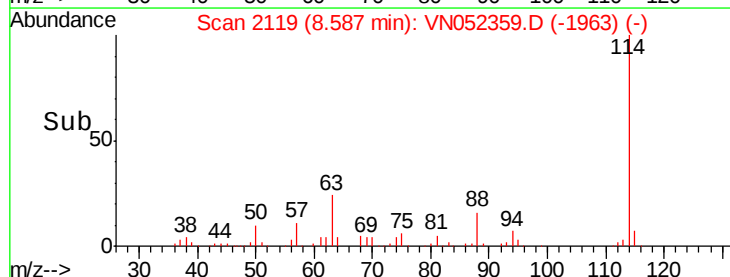
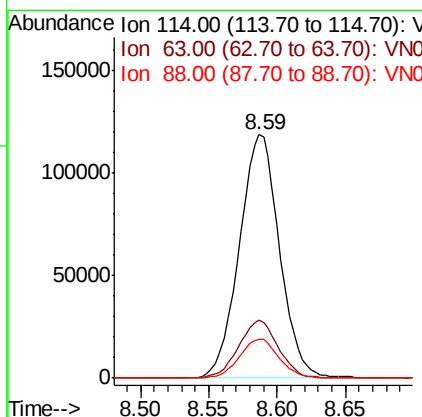
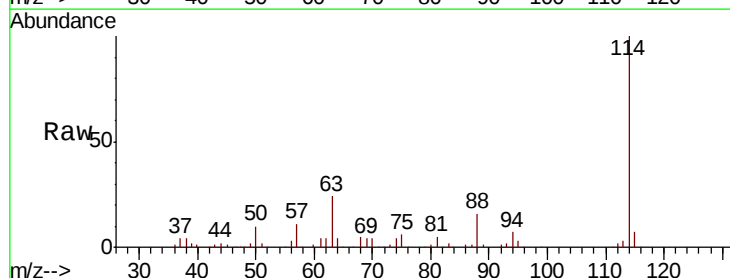
Instrument :
 MSVOA_N
 ClientSampleId :
 001M-WILLETS-PT-BLVD(NOV)

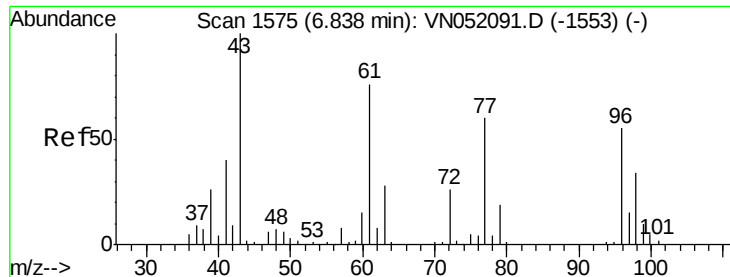
Tot Ion: 65 Resp: 108719
 Ion Ratio Lower Upper
 65 100
 67 51.4 42.6 64.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052359.D
 Acq: 16 Nov 2018 12:47

Tgt Ion: 114 Resp: 242488
 Ion Ratio Lower Upper
 114 100
 63 23.5 17.5 26.3
 88 15.8 12.6 18.8

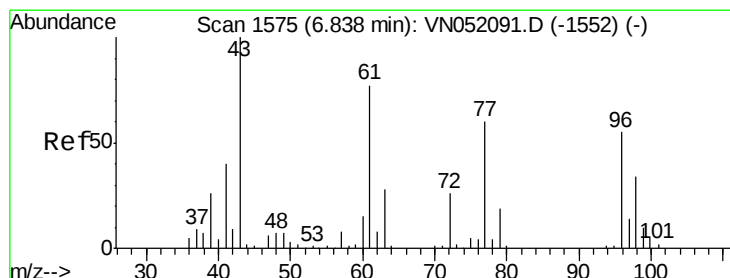
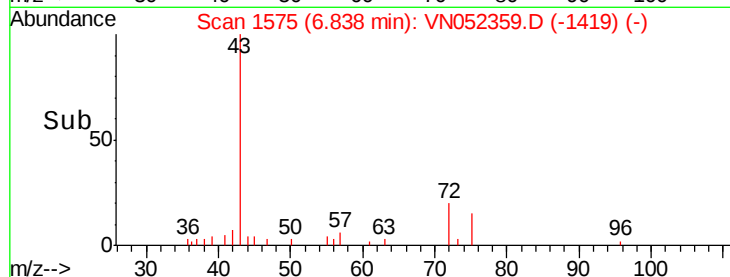
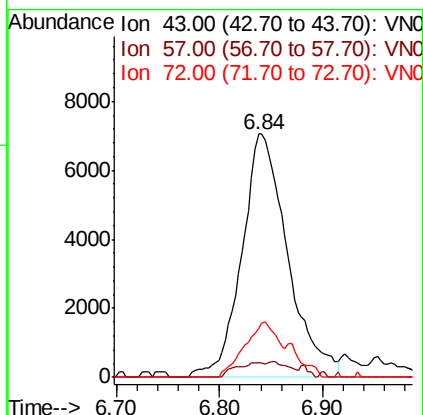
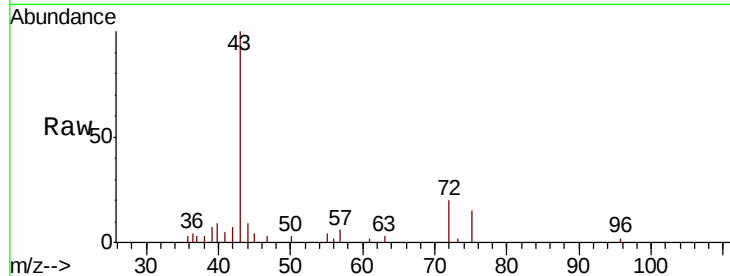




#30
2-Butanone
Concen: 21.287 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052359.D
Acq: 16 Nov 2018 12:47

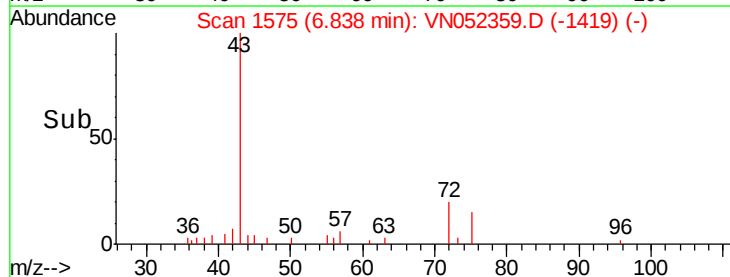
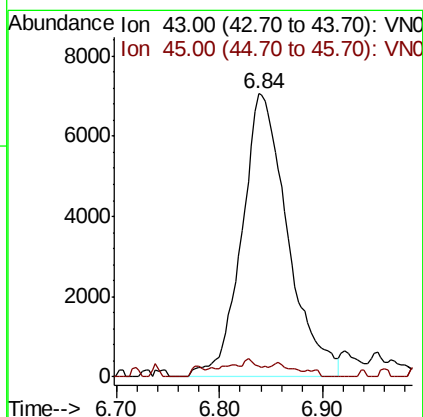
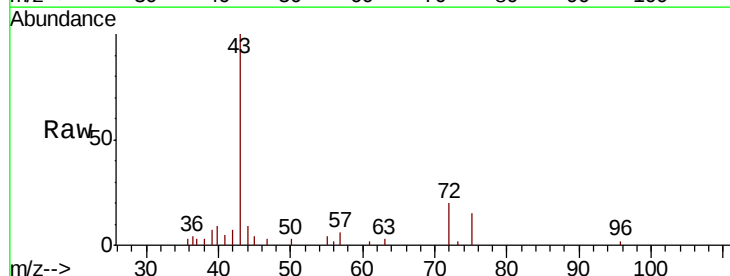
Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(NOV)

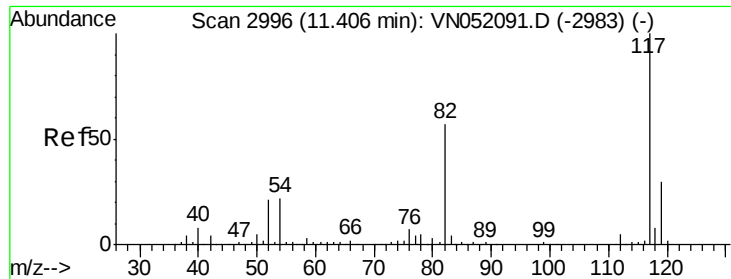
Tot Ion: 43 Resp: 21824
Ion Ratio Lower Upper
43 100
57 2.1 6.6 9.8#
72 16.8 9.2 13.8#



#43
Ethyl Acetate
Concen: 4.236 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052359.D
Acq: 16 Nov 2018 12:47

Tgt Ion: 43 Resp: 21824
Ion Ratio Lower Upper
43 100
45 1.2 3.8 5.8#

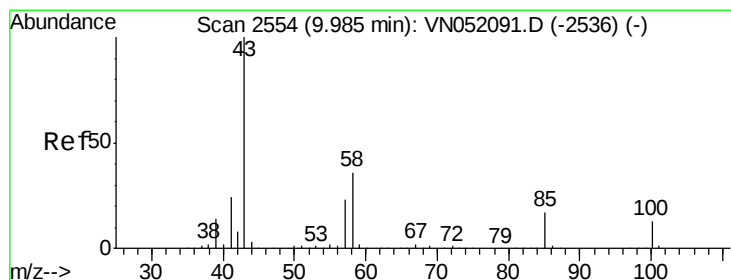
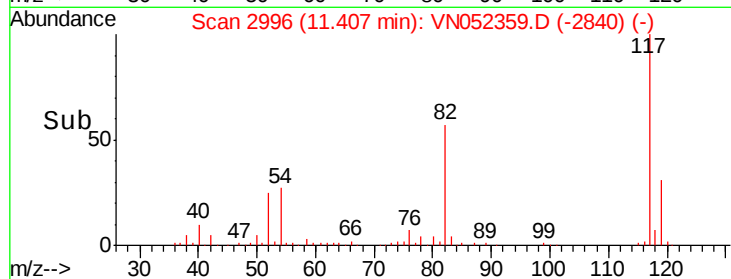
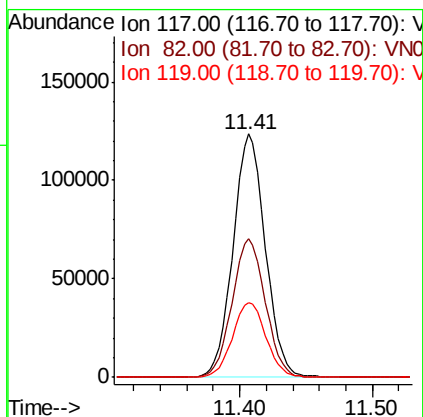
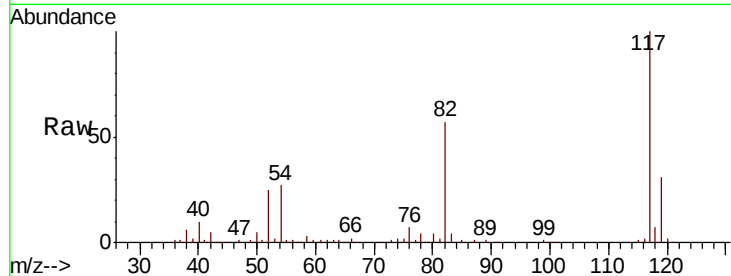




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052359.D
Acq: 16 Nov 2018 12:47

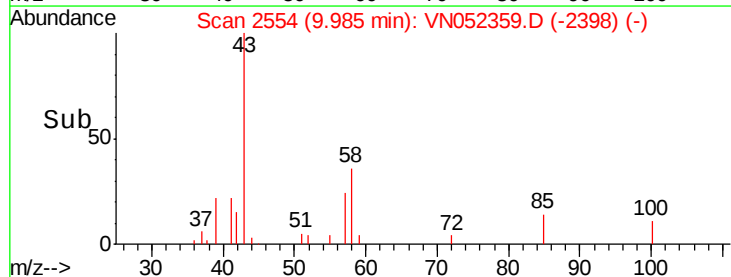
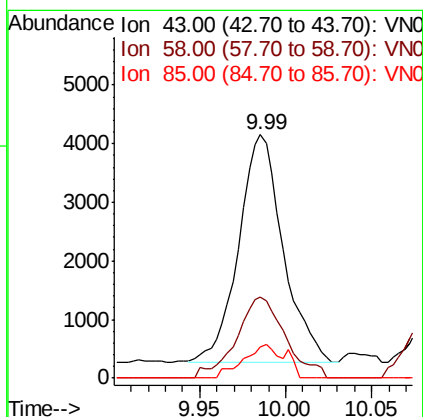
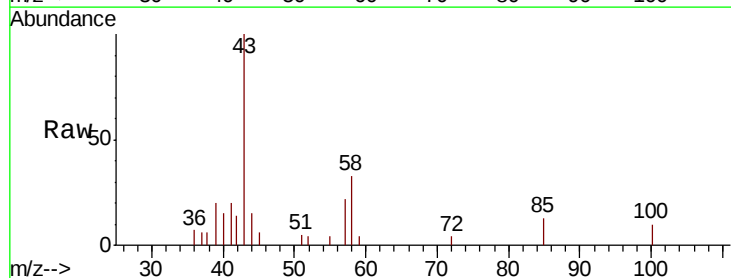
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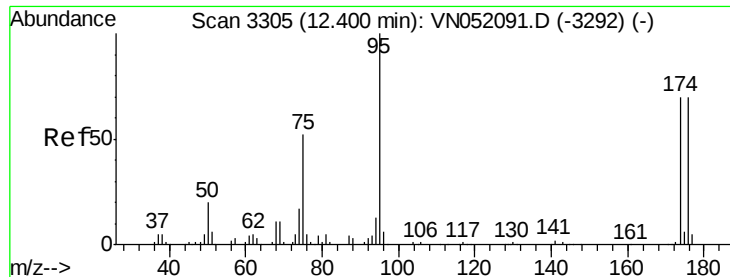
Tot Ion:117 Resp: 208765
Ion Ratio Lower Upper
117 100
82 58.4 45.0 67.6
119 32.0 24.2 36.4



#58
4-Methyl-2-Pentanone
Concen: 3.096 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052359.D
Acq: 16 Nov 2018 12:47

Tgt Ion: 43 Resp: 6925
Ion Ratio Lower Upper
43 100
58 37.7 29.0 43.6
85 10.2 13.4 20.2#

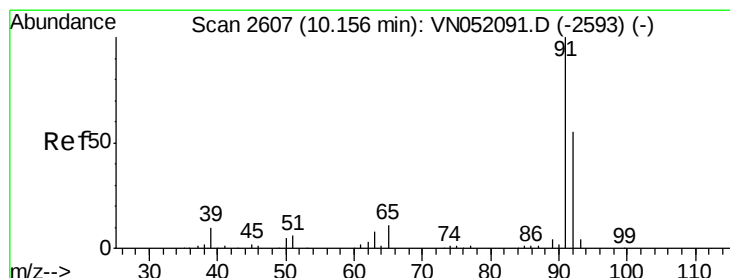
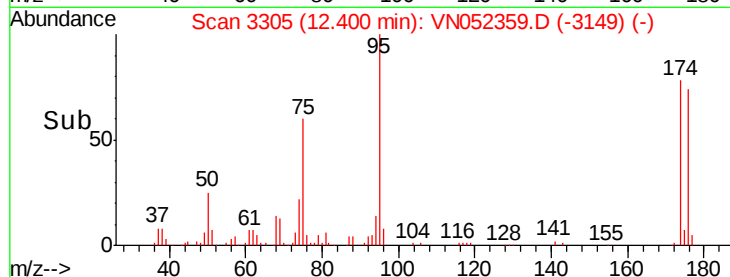
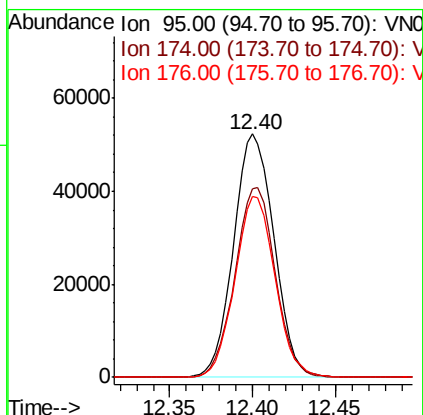
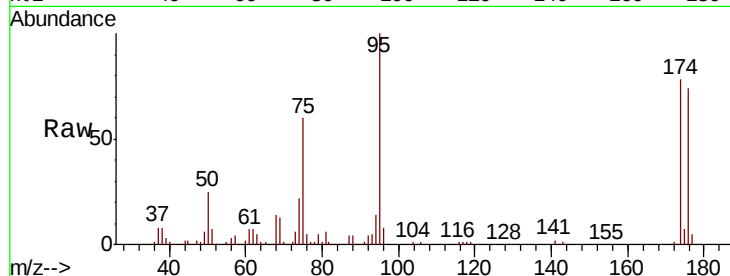




#60
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052359.D
Acq: 16 Nov 2018 12:47

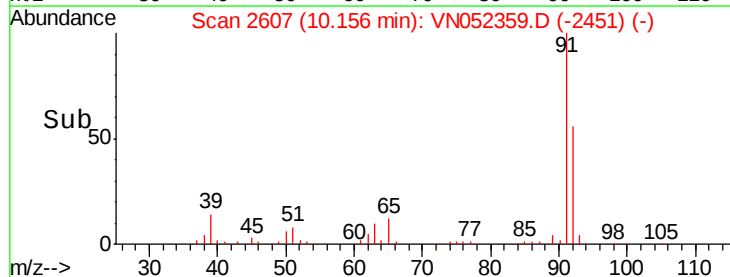
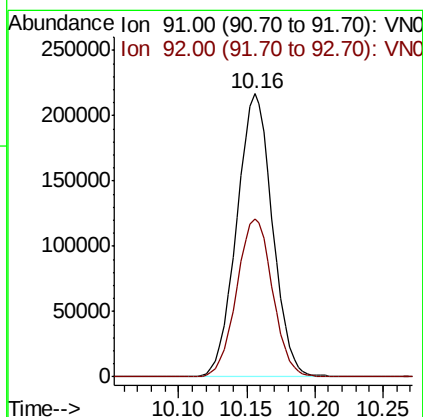
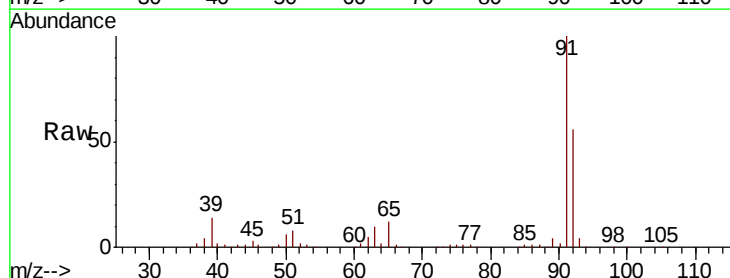
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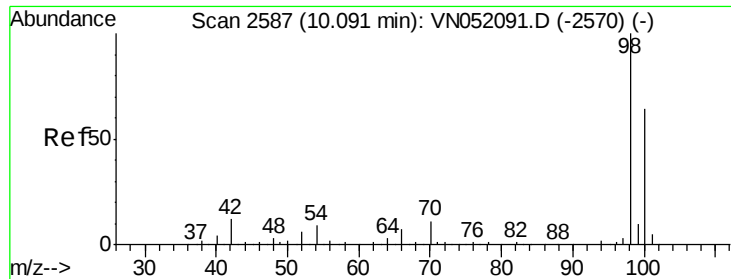
Tot Ion: 95 Resp: 89058
Ion Ratio Lower Upper
95 100
174 77.7 55.0 82.6
176 73.6 54.2 81.4



#62
Toluene
Concen: 33.625 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052359.D
Acq: 16 Nov 2018 12:47

Tgt Ion: 91 Resp: 394055
Ion Ratio Lower Upper
91 100
92 56.2 44.6 67.0





#63

Toluene-d8

Concen: 33.625 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052359.D

Acq: 16 Nov 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

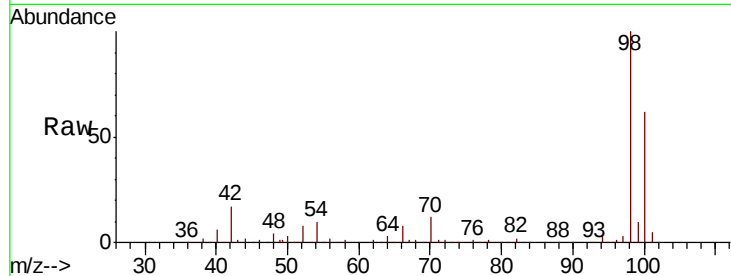
001M-WILLETS-PT-BLVD(NOV)

Tot Ion: 98 Resp: 295594

Ion Ratio Lower Upper

98 100

100 62.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN052091.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052091.D (-2570) (-)

10.09

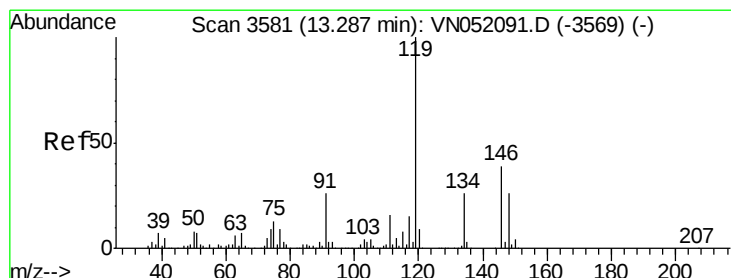
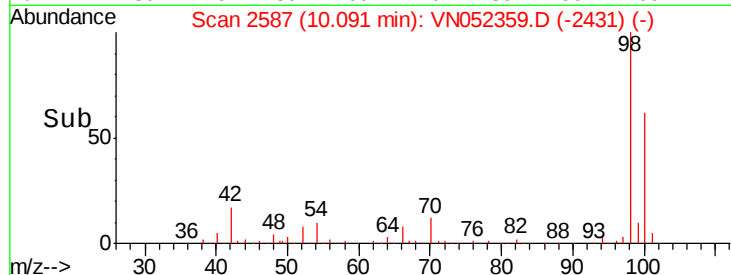
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 1.785 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052359.D

Acq: 16 Nov 2018 12:47

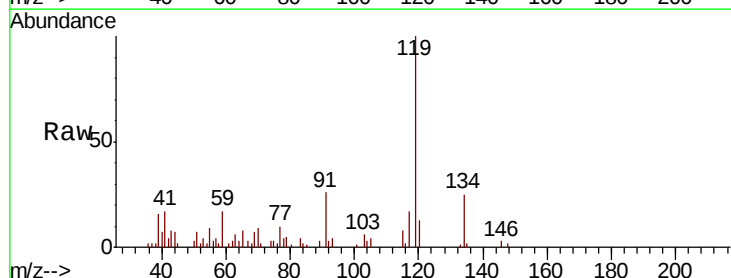
Tgt Ion: 119 Resp: 18092

Ion Ratio Lower Upper

119 100

134 26.1 0.0 52.0

91 29.2 0.0 50.8



Abundance Ion 119.00 (118.70 to 119.70): VN052091.D (-3569) (-)

Ion 134.00 (133.70 to 134.70): VN052091.D (-3569) (-)

Ion 91.00 (90.70 to 91.70): VN052091.D (-3569) (-)

13.29

15000

10000

5000

0

Time-->

