

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101518\
 Data File : VN051866.D
 Acq On : 15 Oct 2018 11:38
 Operator : MD\SY
 Sample : J5512-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 001M-WILLETS-PT-BLVD-SEP

Quant Time: Oct 16 16:02:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	89897	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	499412	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	408924	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	166684	30.47	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.57%
60) 4-Bromofluorobenzene	12.40	95	140286	23.79	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	79.30%
63) Toluene-d8	10.09	98	565654	31.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	106.20%

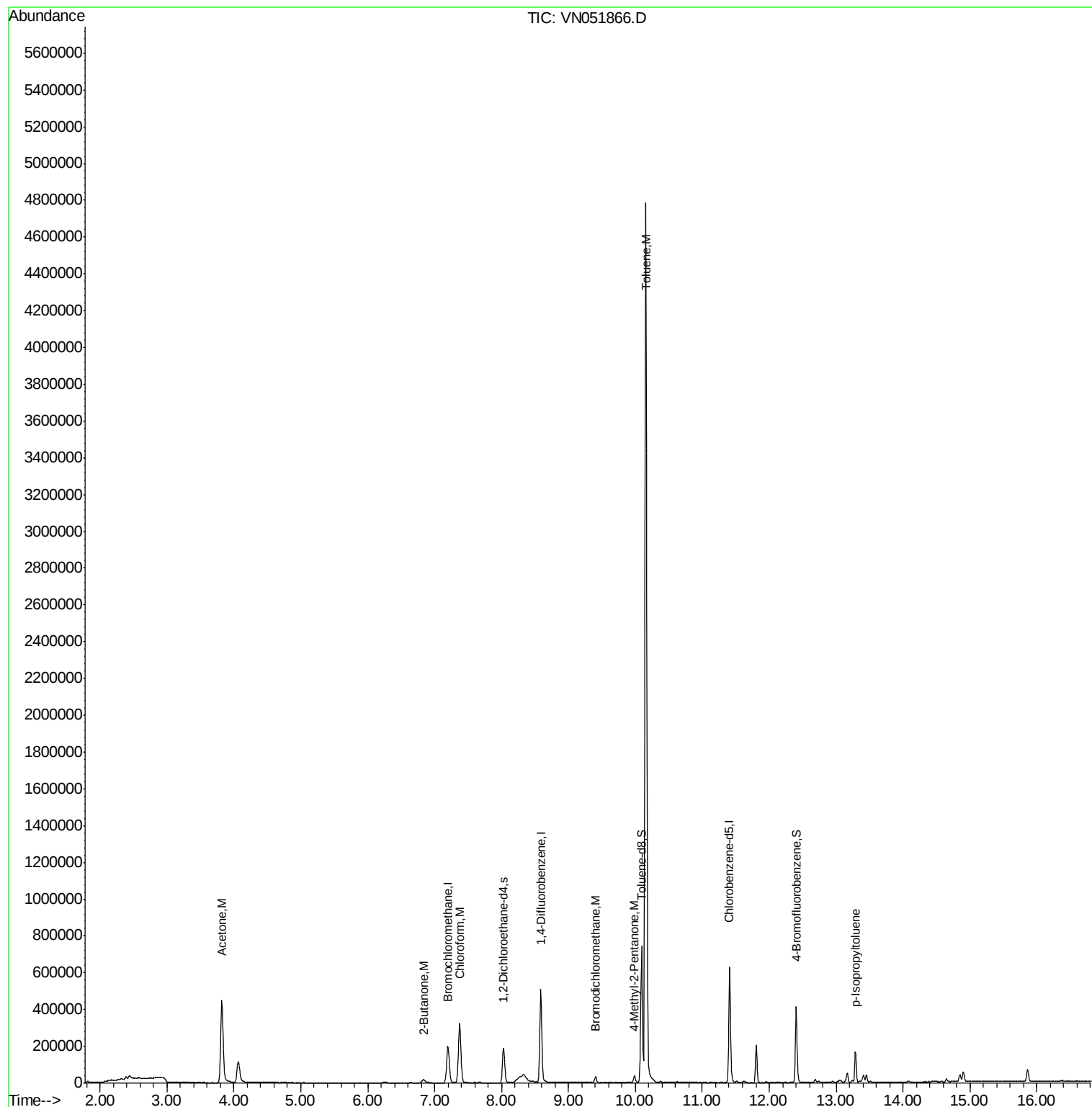
Target Compounds						Qvalue
15) Acetone	3.82	58	248211	874.11	ug/l	96
25) Chloroform	7.37	83	342638	37.77	ug/l	97
30) 2-Butanone	6.84	43	10625	7.90	ug/l #	85
41) Bromodichloromethane	9.41	83	22783	3.31	ug/l #	83
58) 4-Methyl-2-Pentanone	9.99	43	26161	9.56	ug/l #	93
62) Toluene	10.16	91	3902759	192.11	ug/l	99
82) p-Isopropyltoluene	13.29	119	100297	4.71	ug/l	98

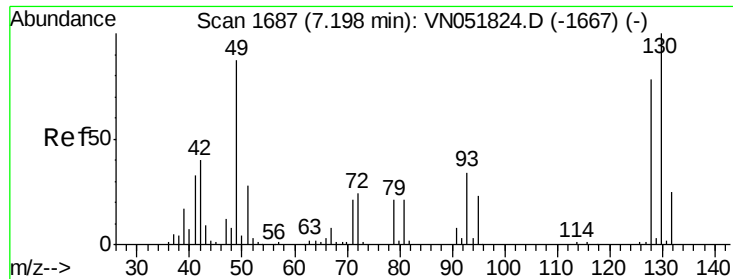
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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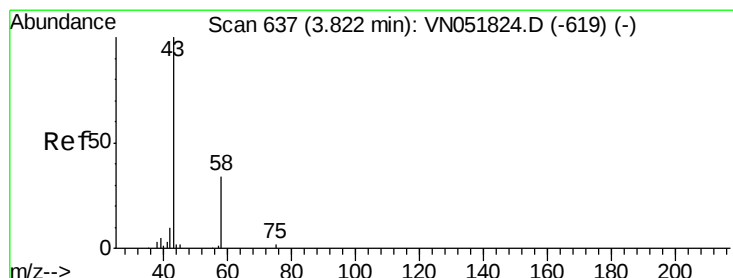
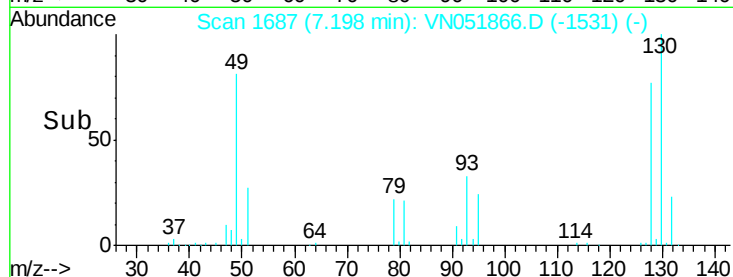
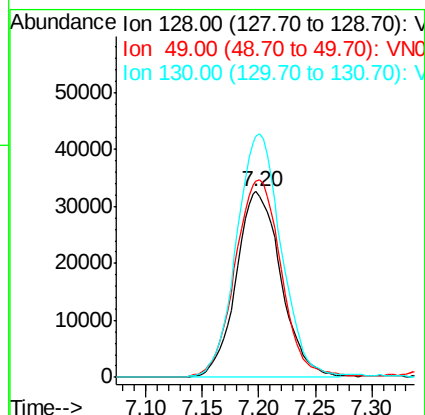
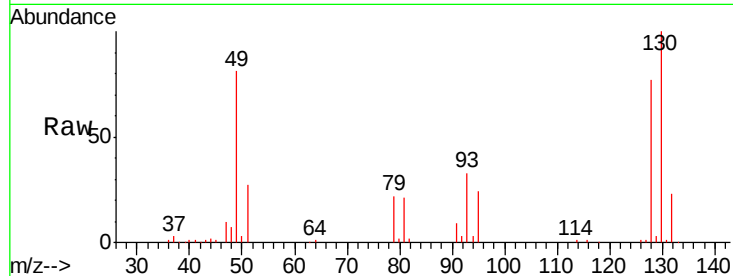




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN051866.D
Acq: 15 Oct 2018 11:38

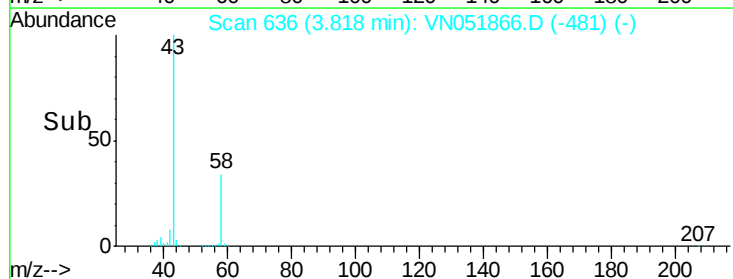
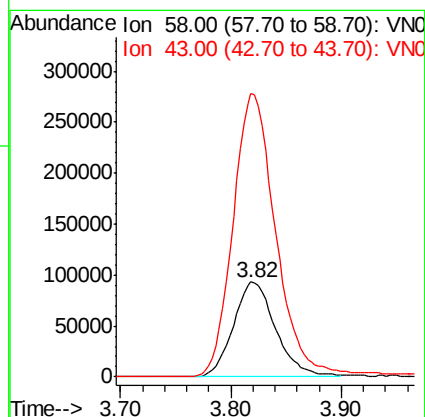
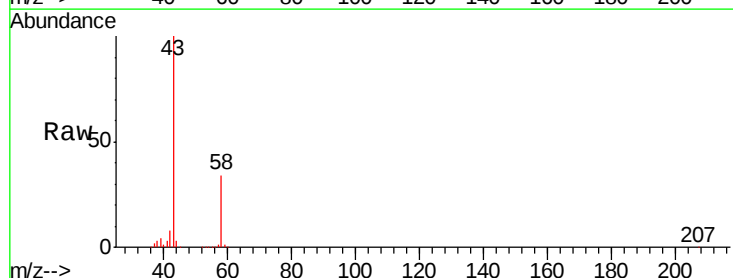
Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD-SEP

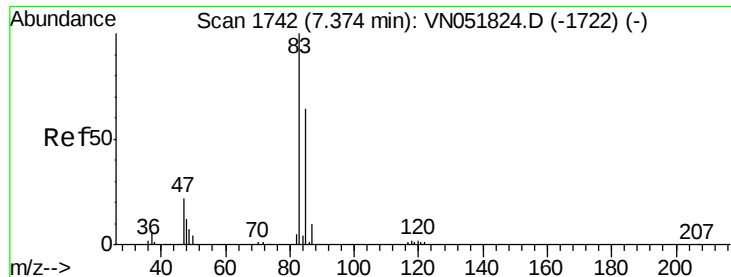
Tgt Ion:128 Resp: 89897
Ion Ratio Lower Upper
128 100
49 109.7 0.0 403.3
130 131.0 0.0 326.0



#15
Acetone
Concen: 874.11 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN051866.D
Acq: 15 Oct 2018 11:38

Tgt Ion: 58 Resp: 248211
Ion Ratio Lower Upper
58 100
43 297.5 232.2 348.2

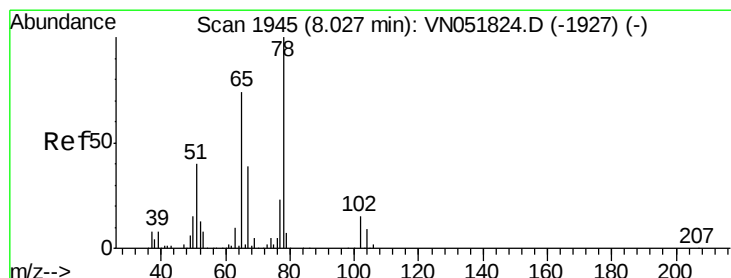
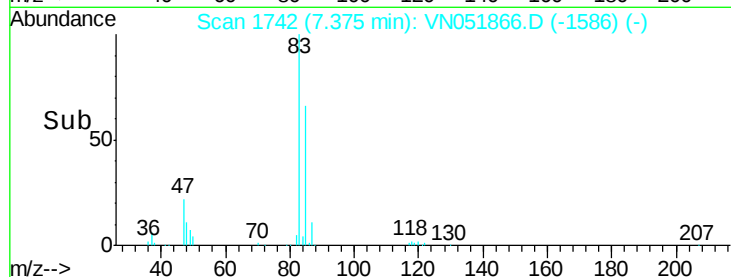
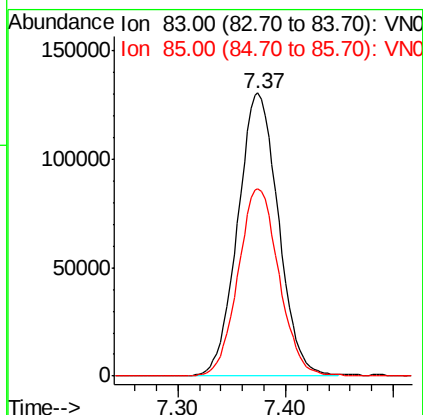
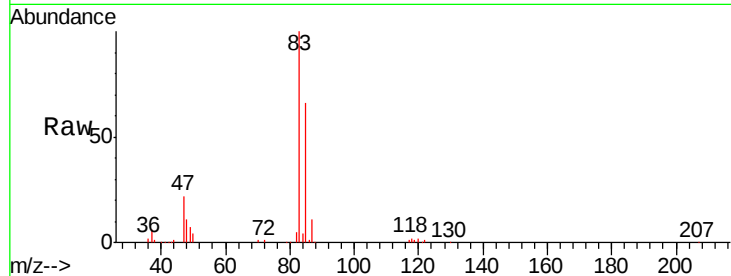




#25
Chloroform
Concen: 37.77 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051866.D
Acq: 15 Oct 2018 11:38

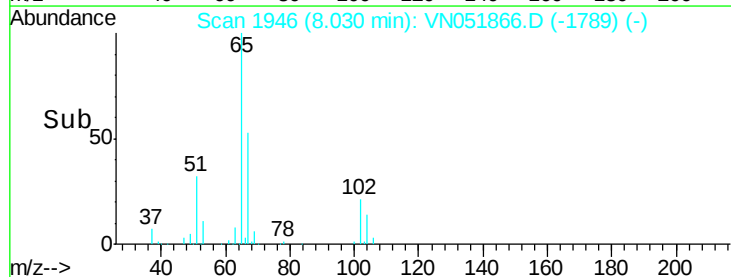
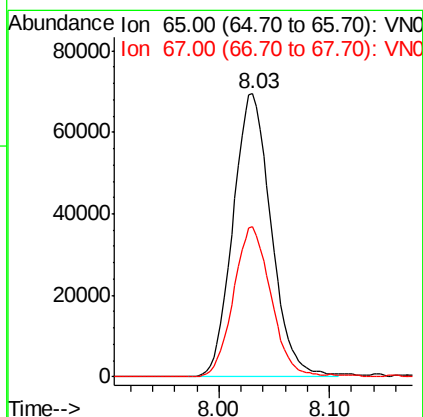
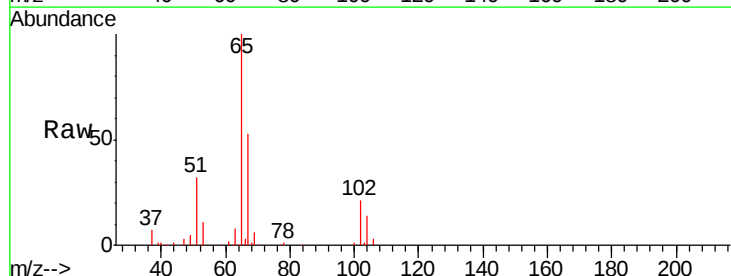
Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD-SEP

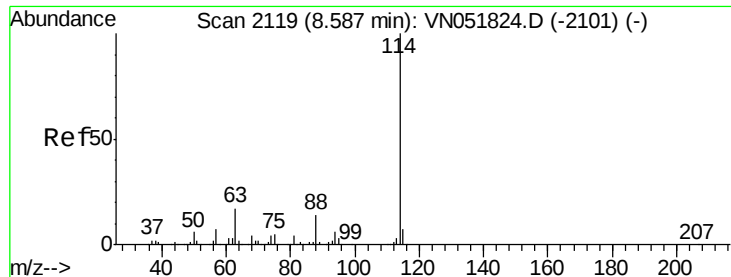
Tgt Ion: 83 Resp: 342638
Ion Ratio Lower Upper
83 100
85 66.0 54.6 82.0



#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051866.D
Acq: 15 Oct 2018 11:38

Tgt Ion: 65 Resp: 166684
Ion Ratio Lower Upper
65 100
67 51.7 41.8 62.8

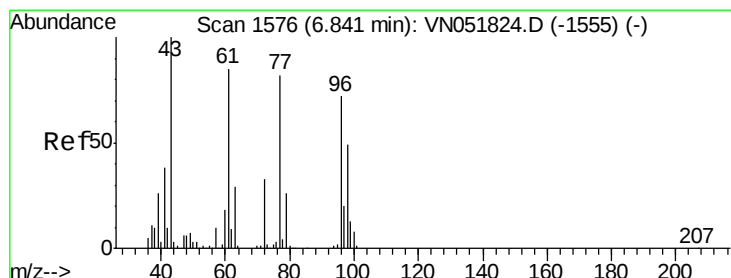
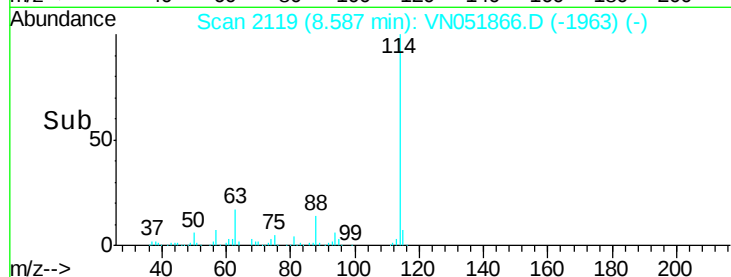
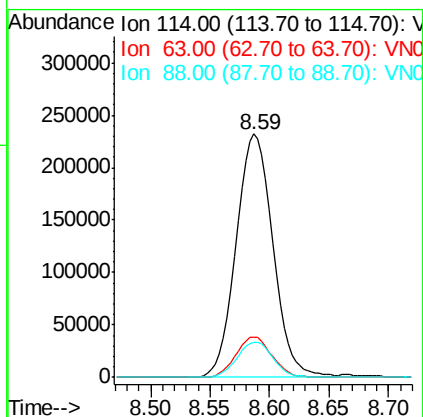
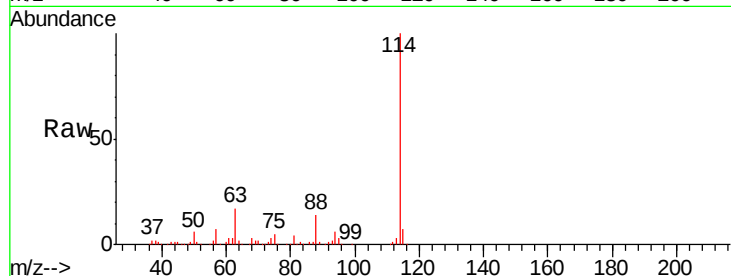




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051866.D
 Acq: 15 Oct 2018 11:38

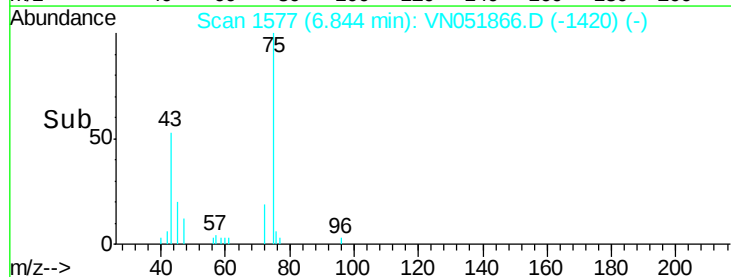
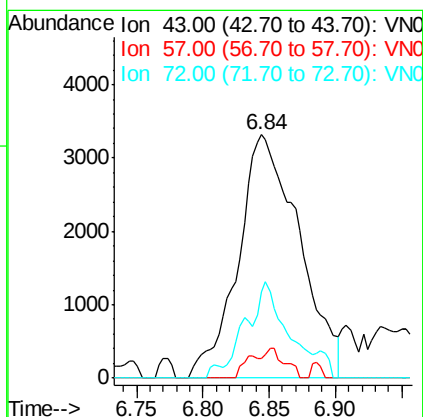
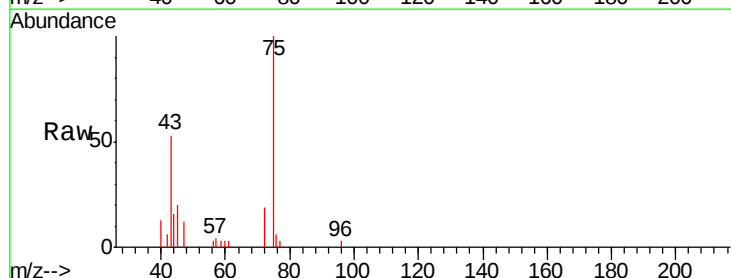
Instrument :
 MSVOA_N
 ClientSampleId :
 001M-WILLETS-PT-BLVD-SEP

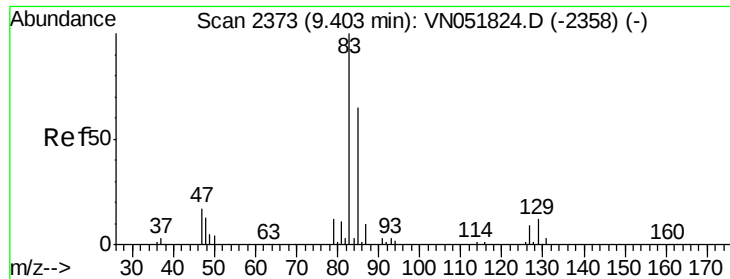
Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.3	16.2	24.2
88	14.3	12.2	18.4



#30
 2-Butanone
 Concen: 7.90 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN051866.D
 Acq: 15 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
43	100		
57	1.9	4.5	6.7#
72	18.5	21.5	32.3#





#41

Bromodichloromethane

Concen: 3.31 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN051866.D

Acq: 15 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

001M-WILLETS-PT-BLVD-SEP

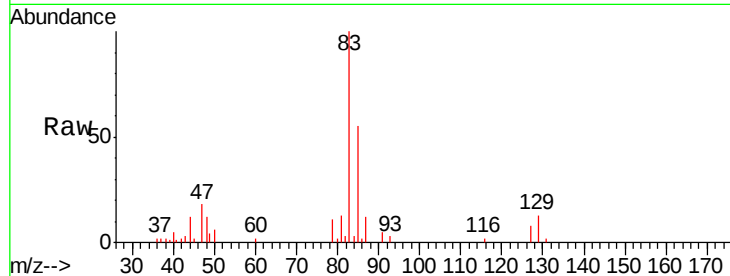
Tgt Ion: 83 Resp: 22783

Ion Ratio Lower Upper

83 100

85 54.7 55.7 83.5#

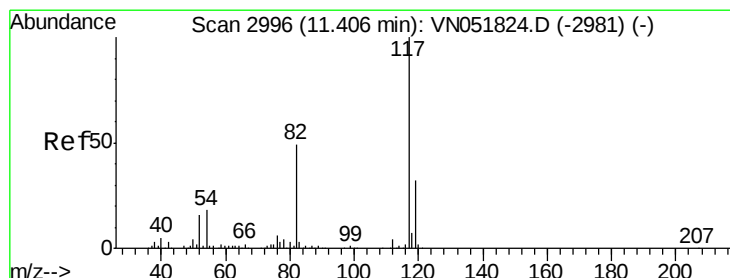
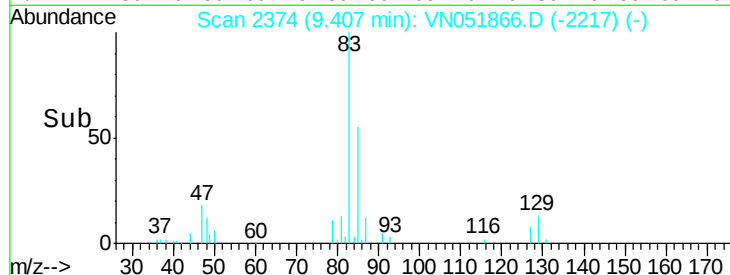
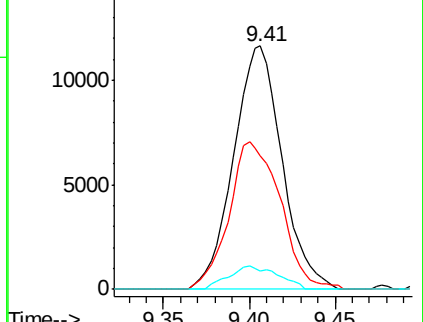
127 7.5 8.2 12.4#



Abundance Ion 83.00 (82.70 to 83.70): VN051824.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN051824.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN051824.D (-2358) (-)



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051866.D

Acq: 15 Oct 2018 11:38

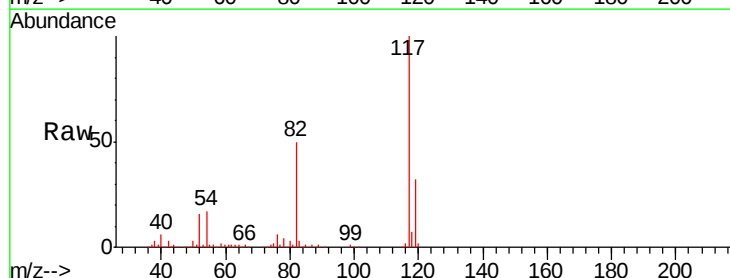
Tgt Ion: 117 Resp: 408924

Ion Ratio Lower Upper

117 100

82 49.4 44.1 66.1

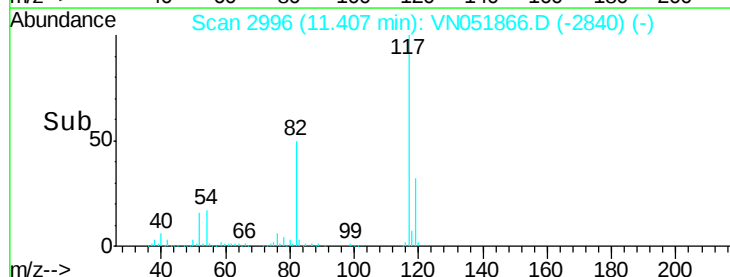
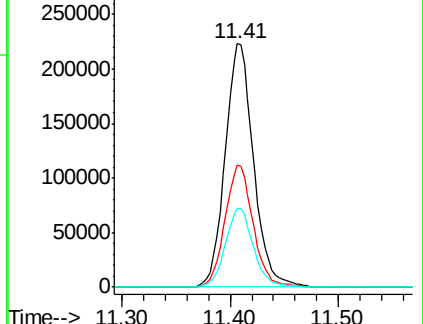
119 31.9 25.8 38.8

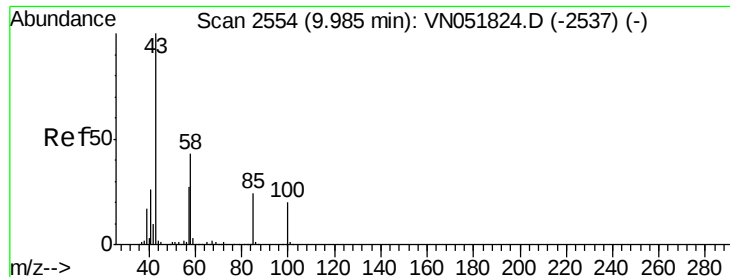


Abundance Ion 117.00 (116.70 to 117.70): VN051824.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051824.D (-2981) (-)

Ion 119.00 (118.70 to 119.70): VN051824.D (-2981) (-)

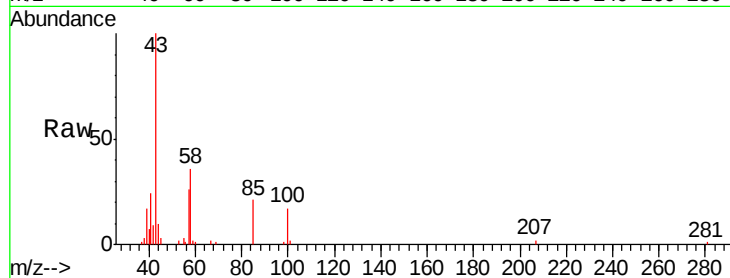




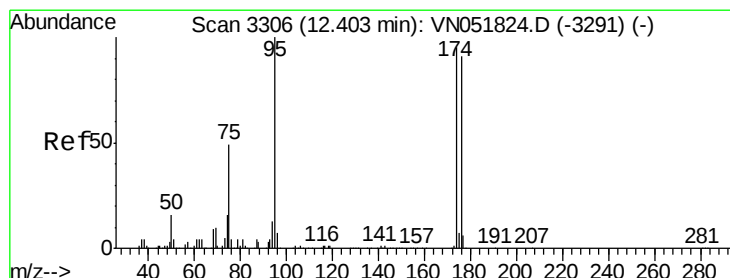
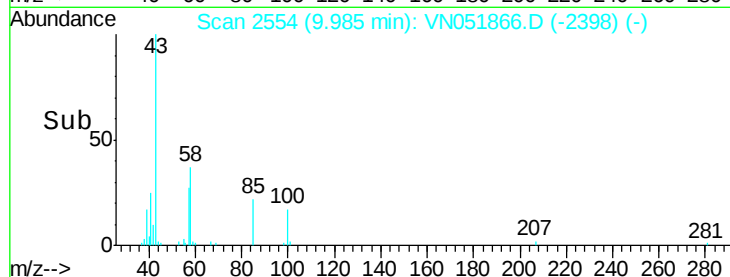
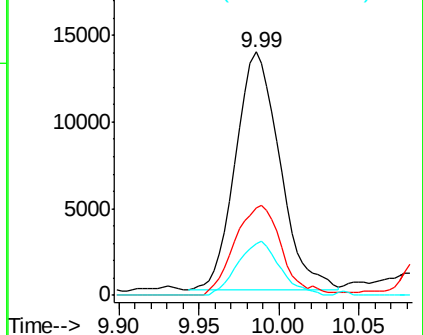
#58
 4-Methyl-2-Pentanone
 Concen: 9.56 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051866.D
 Acq: 15 Oct 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 001M-WILLETS-PT-BLVD-SEP

Tgt Ion: 43 Resp: 26161
 Ion Ratio Lower Upper
 43 100
 58 38.8 29.3 43.9
 85 21.7 12.6 18.8#

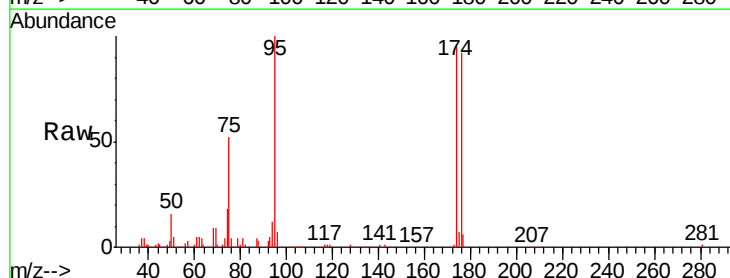


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0

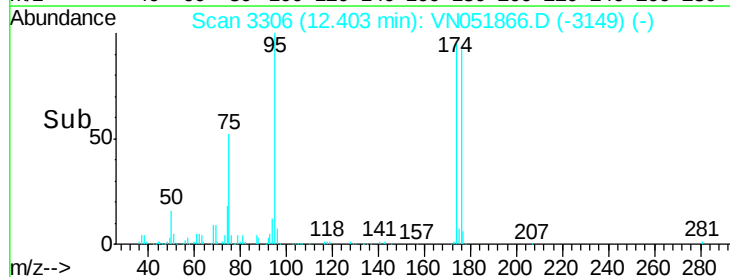
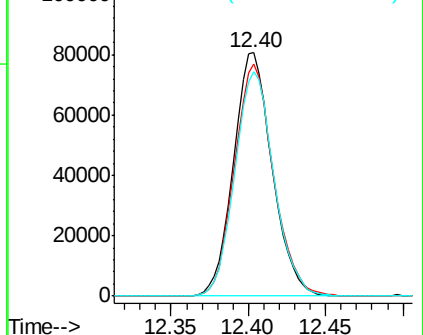


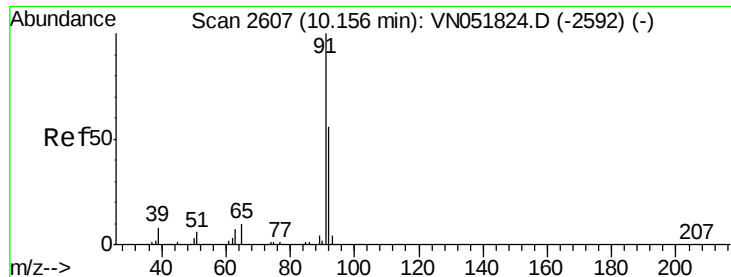
#60
 4-Bromofluorobenzene
 Concen: Below ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051866.D
 Acq: 15 Oct 2018 11:38

Tgt Ion: 95 Resp: 140286
 Ion Ratio Lower Upper
 95 100
 174 96.1 73.5 110.3
 176 93.2 70.2 105.2



Abundance Ion 95.00 (94.70 to 95.70): VN0
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V





#62

Toluene

Concen: 192.11 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051866.D

Acq: 15 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

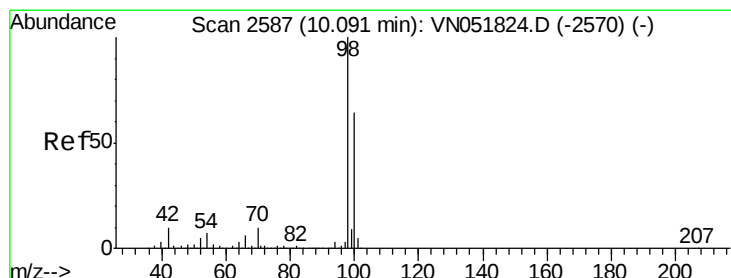
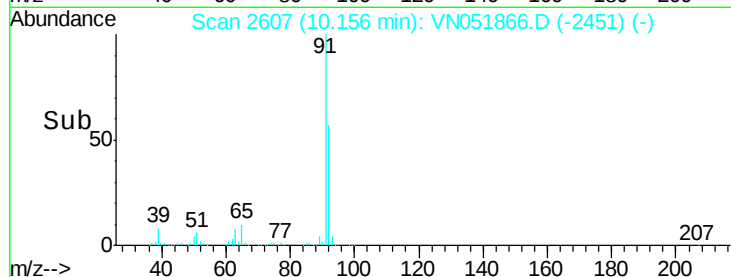
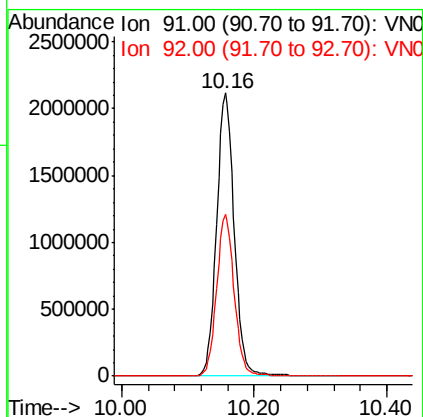
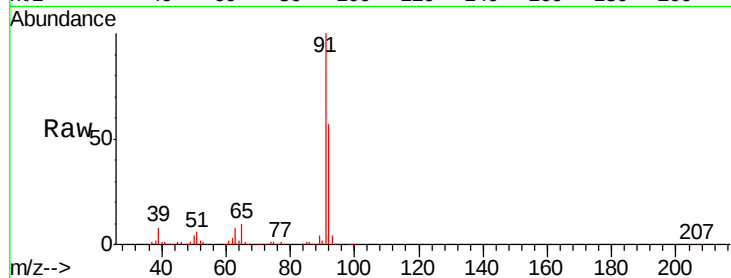
001M-WILLETS-PT-BLVD-SEP

Tgt Ion: 91 Resp: 3902759

Ion Ratio Lower Upper

91 100

92 56.6 44.6 66.8



#63

Toluene-d8

Concen: 192.11 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051866.D

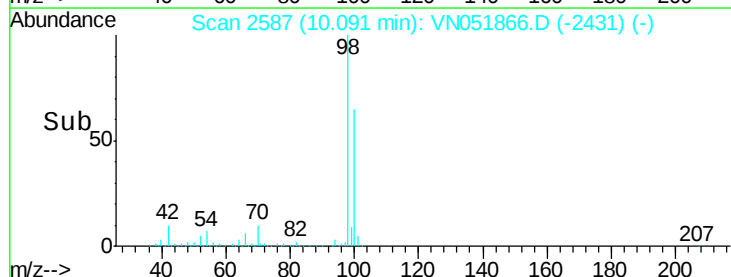
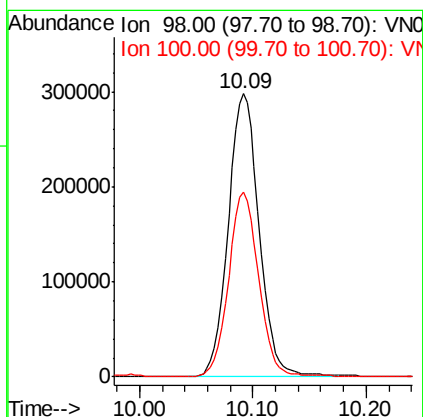
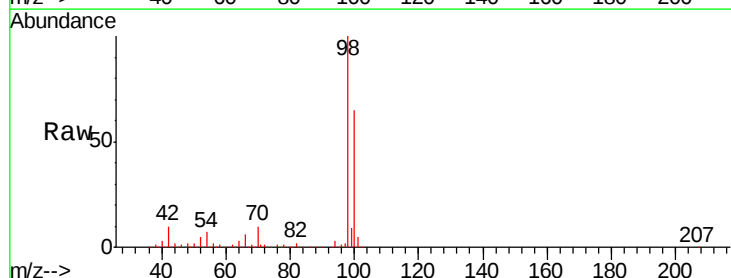
Acq: 15 Oct 2018 11:38

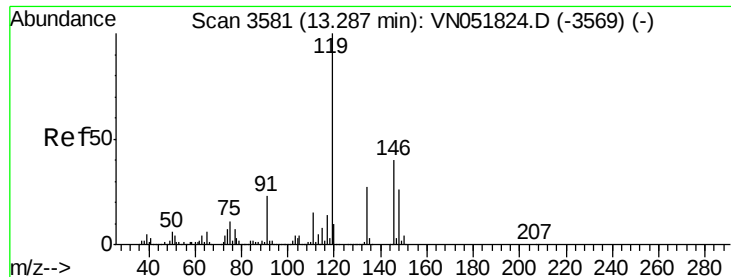
Tgt Ion: 98 Resp: 565654

Ion Ratio Lower Upper

98 100

100 63.8 50.8 76.2

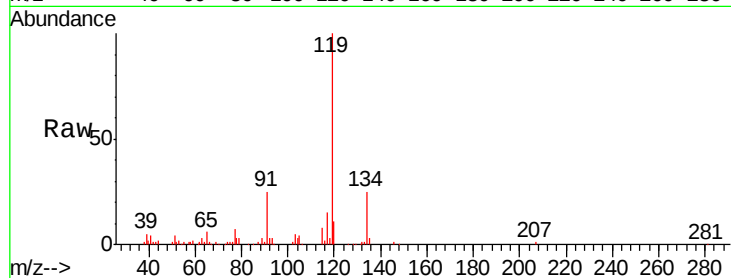




#82
 p-Isopropyltoluene
 Concen: 4.71 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051866.D
 Acq: 15 Oct 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 001M-WILLETS-PT-BLVD-SEP

Tgt Ion:	119	Resp:	100297
Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	53.6
91	24.3	0.0	52.0



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

