

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010419\
 Data File : VN053281.D
 Acq On : 4 Jan 2019 14:32
 Operator : MD\SY
 Sample : K1046-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

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

Quant Time: Jan 05 00:17:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	132276	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	760174	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	665925	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	254763	30.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.07%
60) 4-Bromofluorobenzene	12.40	95	295078	28.96	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.53%
63) Toluene-d8	10.09	98	888031	29.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.67%

Target Compounds

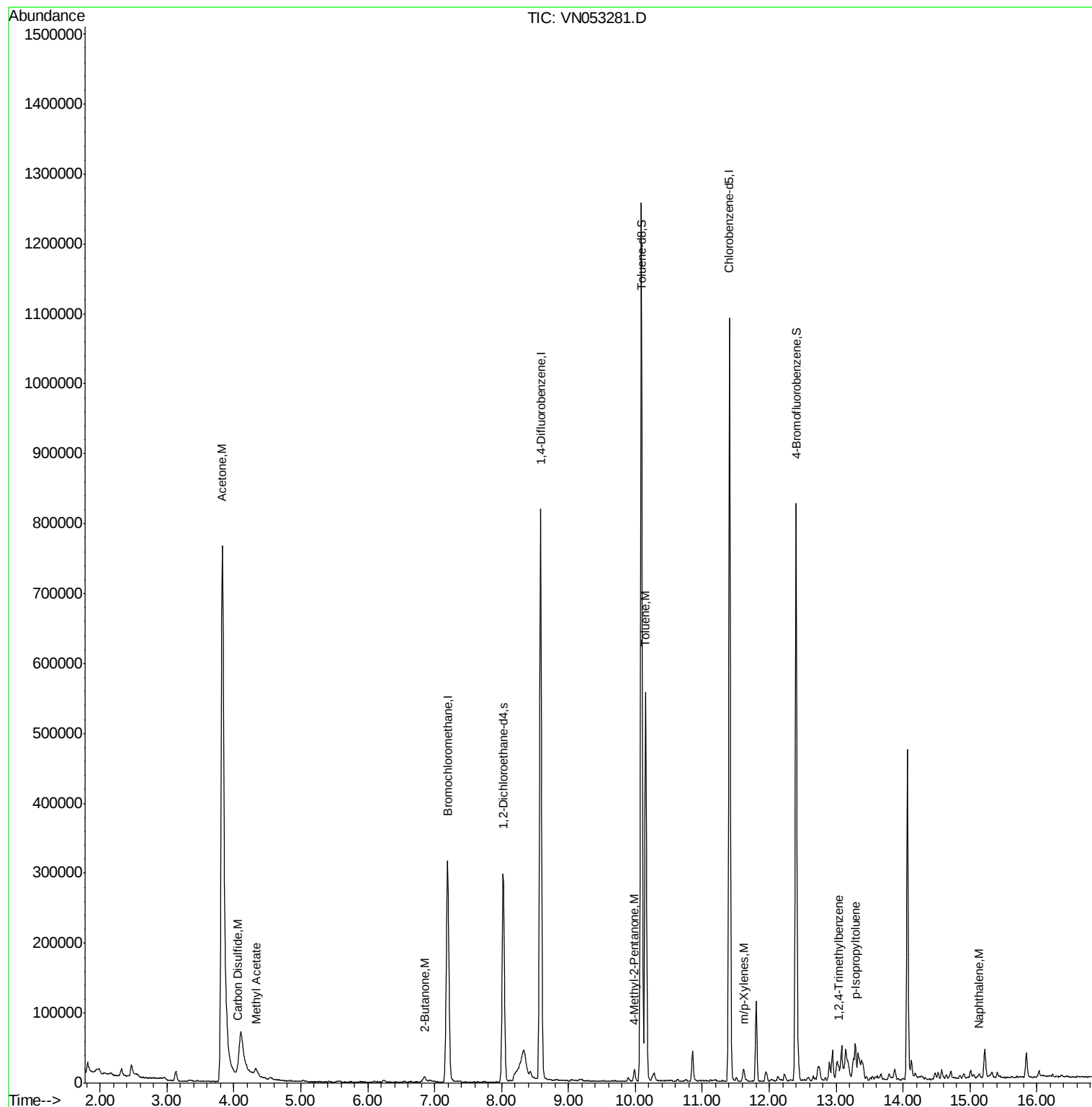
					Ovalue
12) Methyl Acetate	4.33	43	16148	2.688	ug/l 99
15) Acetone	3.83	58	566159	991.242	ug/l 93
16) Carbon Disulfide	4.05	76	12039	0.508	ug/l 97
30) 2-Butanone	6.85	43	14103	4.909	ug/l # 96
58) 4-Methyl-2-Pentanone	9.99	43	12475	1.966	ug/l 97
62) Toluene	10.15	91	433873	11.880	ug/l 99
67) m/p-Xylenes	11.62	106	5359	0.358	ug/l 94
80) 1,2,4-Trimethylbenzene	13.04	105	11890	0.392	ug/l 91
82) p-Isopropyltoluene	13.29	119	20816	0.689	ug/l 98
91) Naphthalene	15.14	128	5528	0.346	ug/l 99

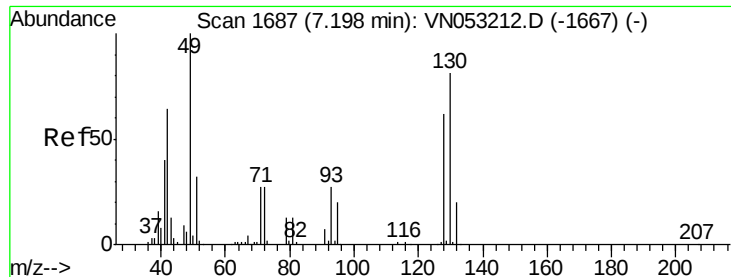
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010419\
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001M-WILLETS-PT-BLVD(JAN)

Quant Time: Jan 05 00:17:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN053281.D

Acq: 4 Jan 2019 14:32

Instrument :

MSVOA_N

ClientSampleId :

001M-WILLETS-PT-BLVD(JAN)

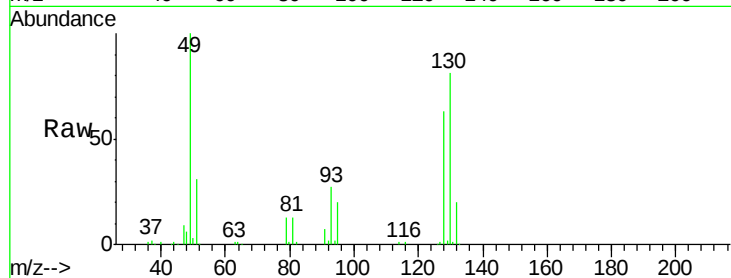
Tot Ion:128 Resp: 132276

Ion Ratio Lower Upper

128 100

49 154.5 0.0 431.8

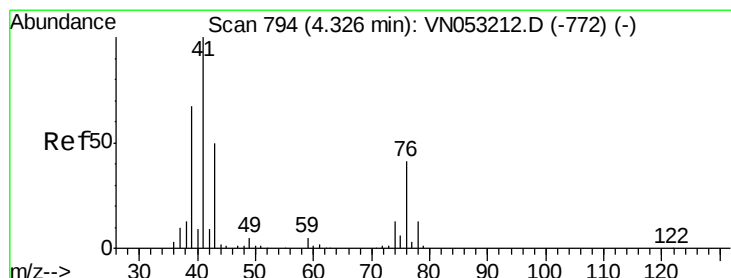
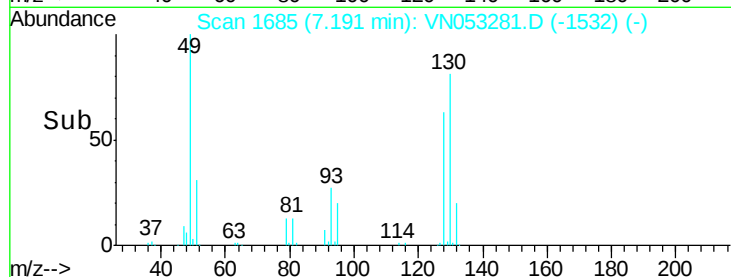
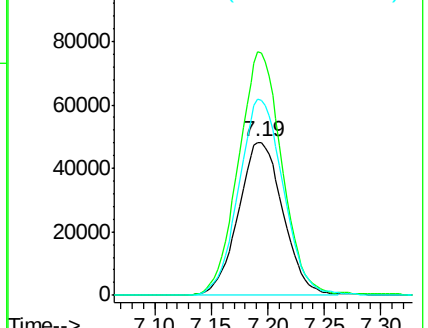
130 128.5 0.0 317.0



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



#12

Methyl Acetate

Concen: 2.688 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053281.D

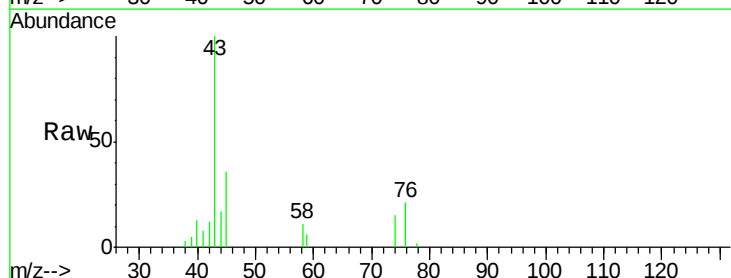
Acq: 4 Jan 2019 14:32

Tgt Ion: 43 Resp: 16148

Ion Ratio Lower Upper

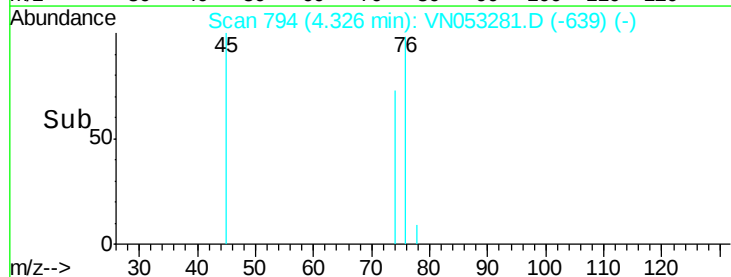
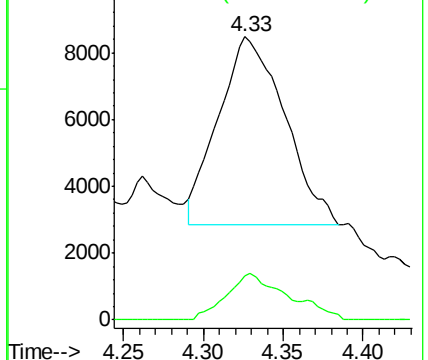
43 100

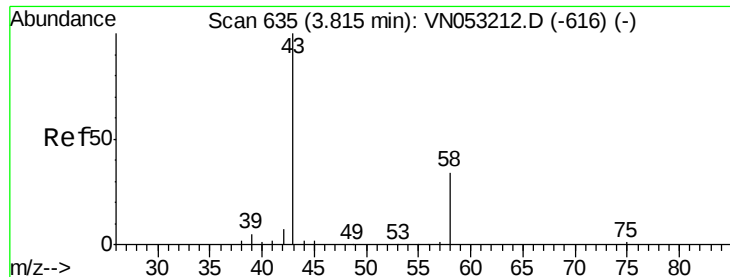
74 23.3 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#15

Acetone

Concen: 991.242 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN053281.D

Acq: 4 Jan 2019 14:32

Instrument :

MSVOA_N

ClientSampleId :

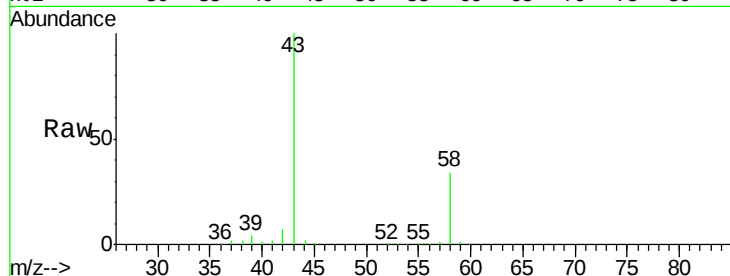
001M-WILLETS-PT-BLVD(JAN)

Tot Ion: 58 Resp: 566159

Ion Ratio Lower Upper

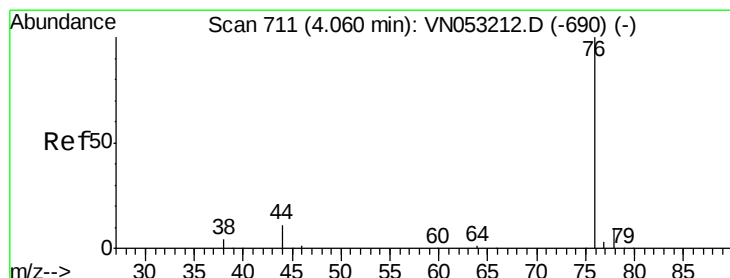
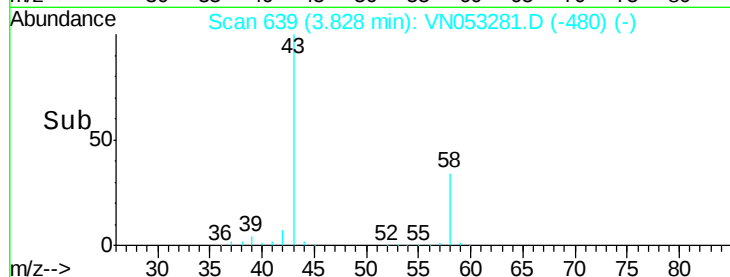
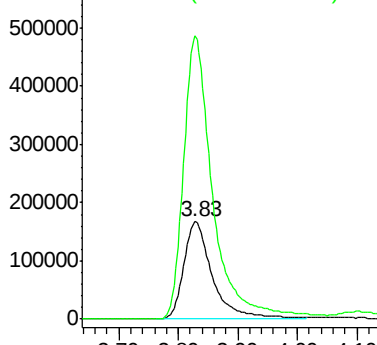
58 100

43 290.7 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 0.508 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VN053281.D

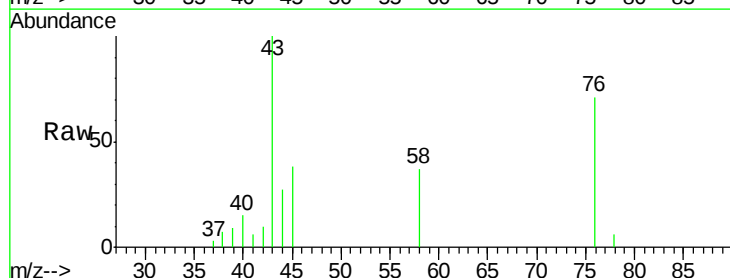
Acq: 4 Jan 2019 14:32

Tgt Ion: 76 Resp: 12039

Ion Ratio Lower Upper

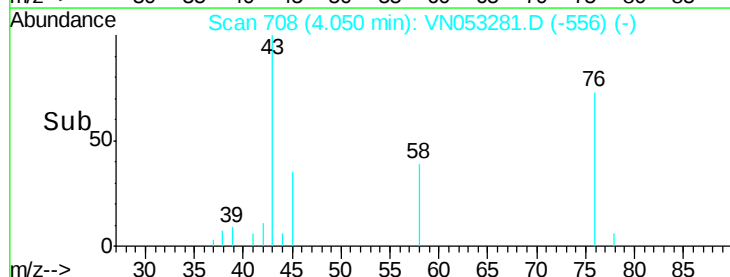
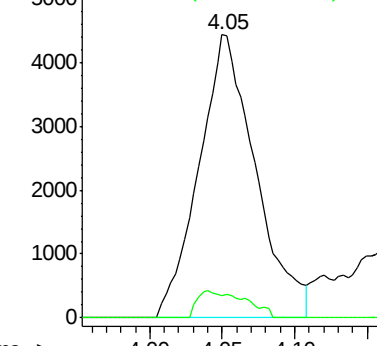
76 100

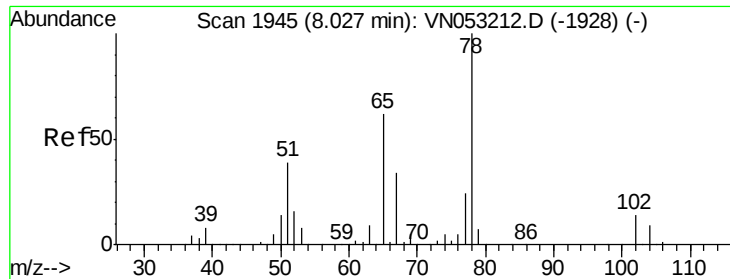
78 8.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

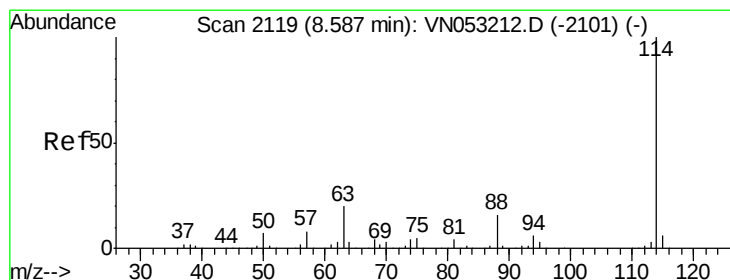
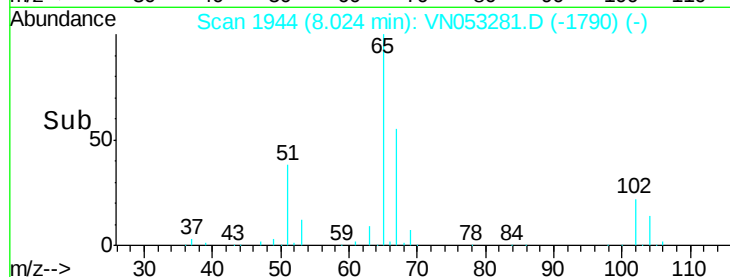
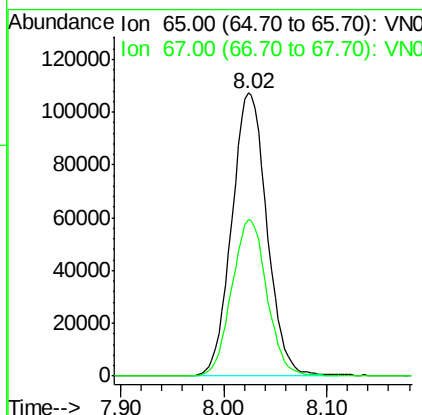
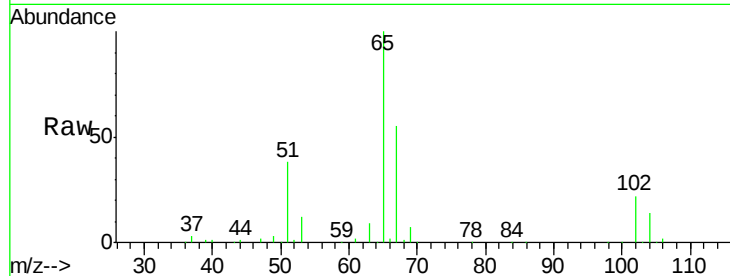




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053281.D
 Acq: 4 Jan 2019 14:32

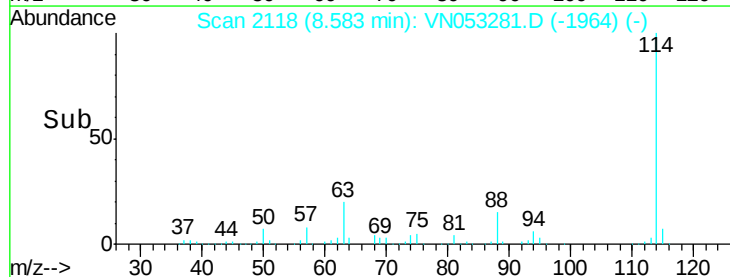
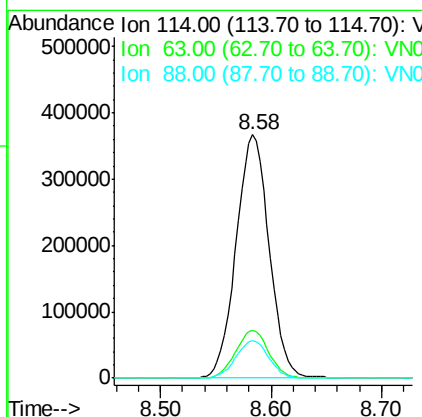
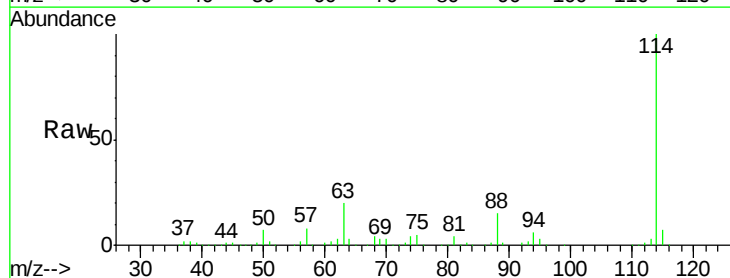
Instrument :
 MSVOA_N
 ClientSampleId :
 001M-WILLETS-PT-BLVD(JAN)

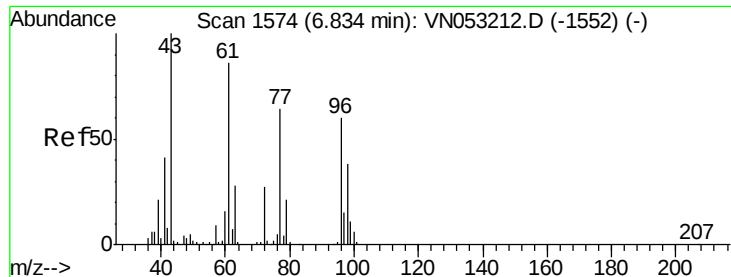
Tot Ion: 65 Resp: 254763
 Ion Ratio Lower Upper
 65 100
 67 55.0 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053281.D
 Acq: 4 Jan 2019 14:32

Tgt Ion: 114 Resp: 760174
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.9 25.3
 88 15.3 12.8 19.2

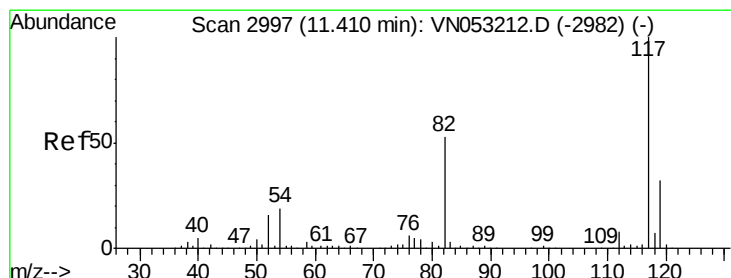
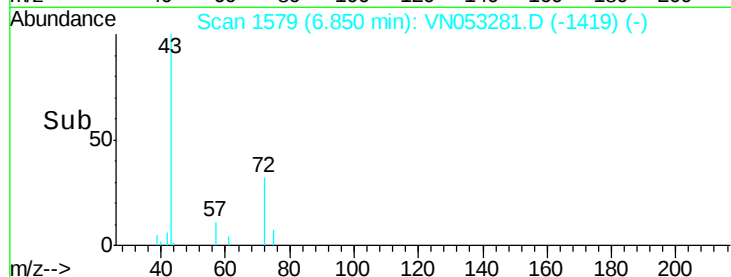
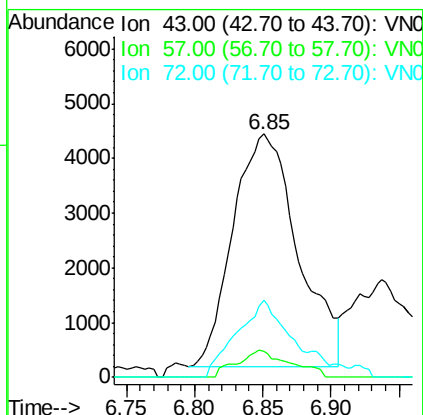
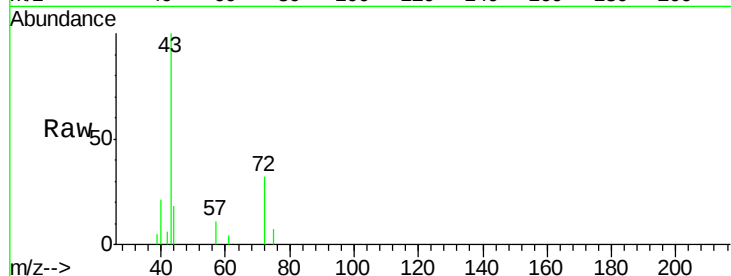




#30
 2-Butanone
 Concen: 4.909 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.02 min
 Lab File: VN053281.D
 Acq: 4 Jan 2019 14:32

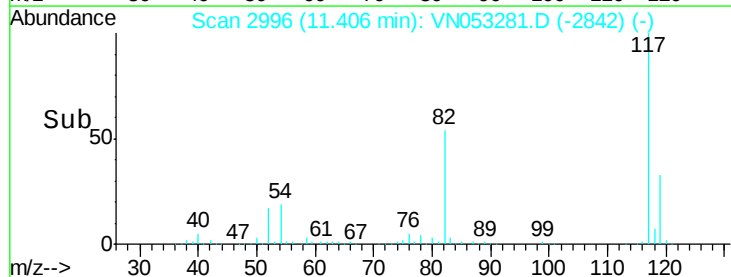
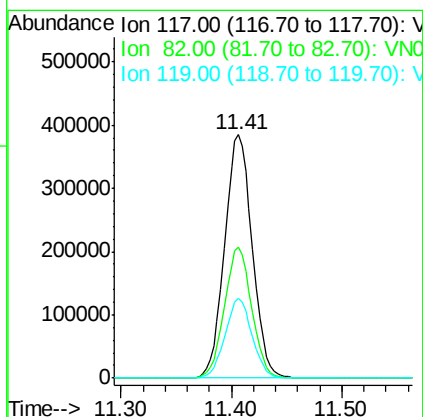
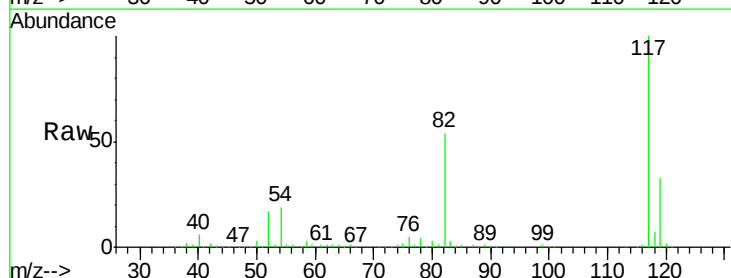
Instrument :
 MSVOA_N
 ClientSampleId :
 001M-WILLETS-PT-BLVD(JAN)

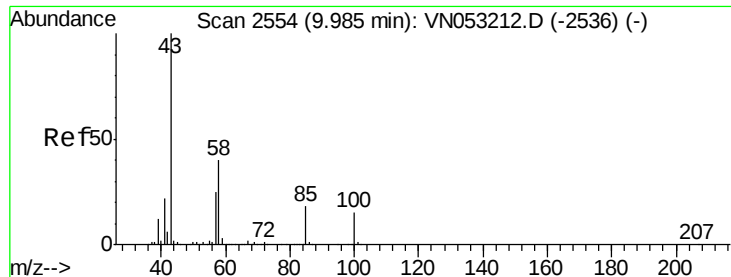
Tot Ion: 43 Resp: 14103
 Ion Ratio Lower Upper
 43 100
 57 2.5 6.2 9.4#
 72 25.6 21.0 31.6



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN053281.D
 Acq: 4 Jan 2019 14:32

Tgt Ion: 117 Resp: 665925
 Ion Ratio Lower Upper
 117 100
 82 53.1 44.2 66.2
 119 32.2 25.4 38.2

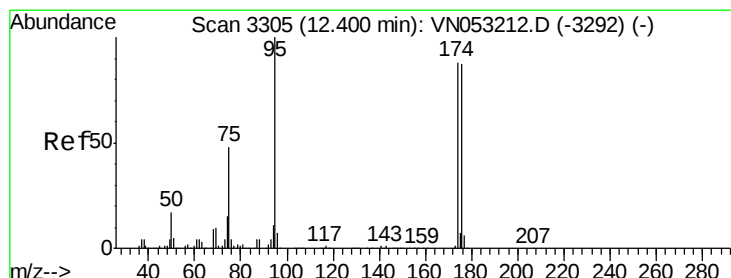
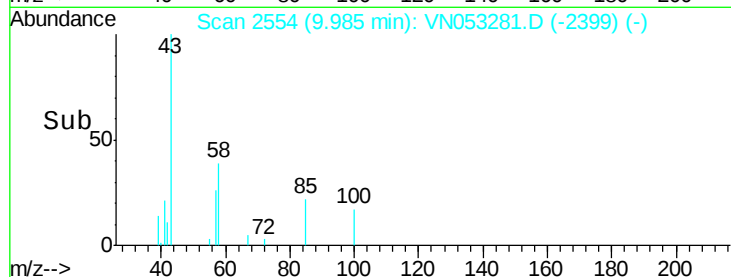
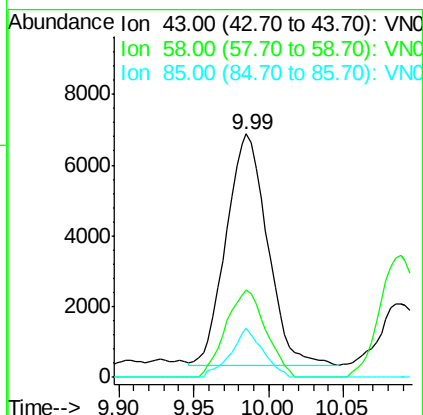
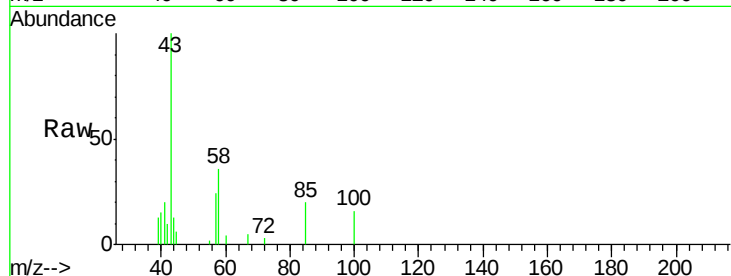




#58
4-Methyl-2-Pentanone
Concen: 1.966 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN053281.D
Acq: 4 Jan 2019 14:32

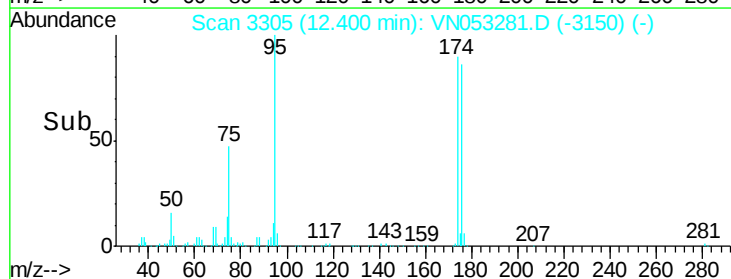
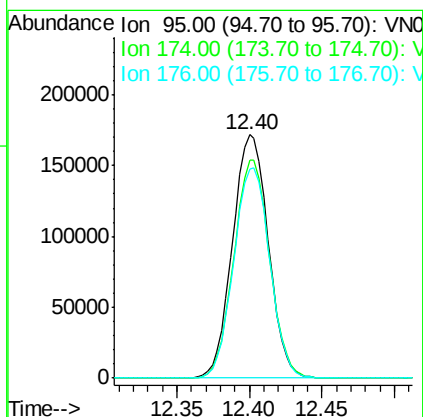
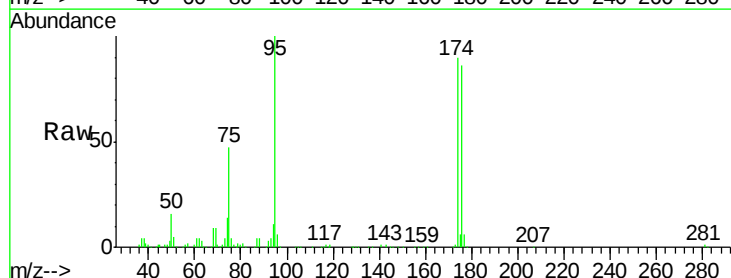
Instrument :
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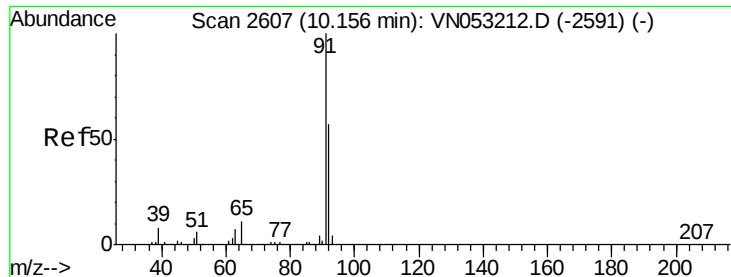
Tot Ion	43	Resp	12475
Ion Ratio	Lower	Upper	
43	100		
58	36.9	31.6	47.4
85	16.8	13.3	19.9



#60
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053281.D
Acq: 4 Jan 2019 14:32

Tgt Ion	95	Resp	295078
Ion Ratio	Lower	Upper	
95	100		
174	89.4	67.9	101.9
176	86.9	66.4	99.6





#62

Toluene

Concen: 11.880 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053281.D

Acq: 4 Jan 2019 14:32

Instrument :

MSVOA_N

ClientSampleId :

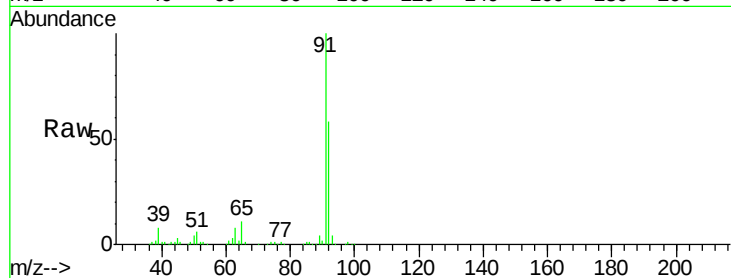
001M-WILLETS-PT-BLVD(JAN)

Tot Ion: 91 Resp: 433873

Ion Ratio Lower Upper

91 100

92 57.2 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

250000

200000

150000

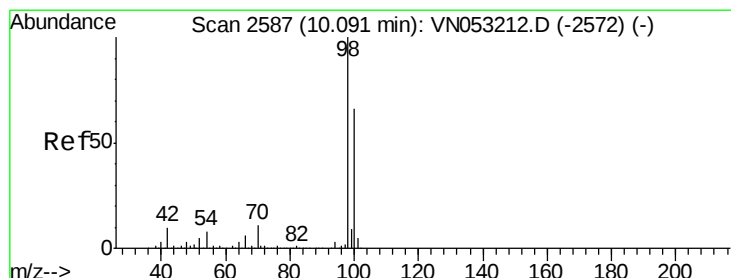
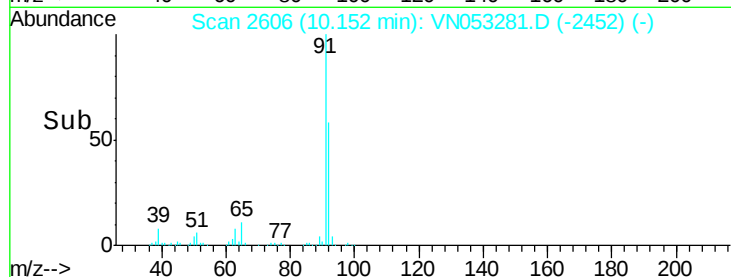
100000

50000

0

10.10 10.15 10.20

Time-->



#63

Toluene-d8

Concen: 11.880 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053281.D

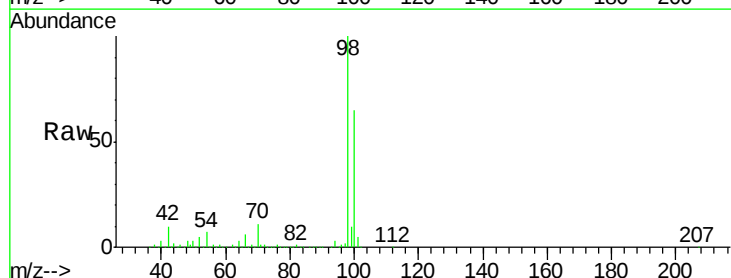
Acq: 4 Jan 2019 14:32

Tgt Ion: 98 Resp: 888031

Ion Ratio Lower Upper

98 100

100 64.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

500000

400000

300000

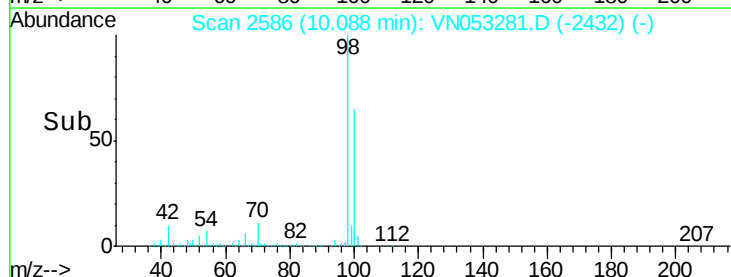
200000

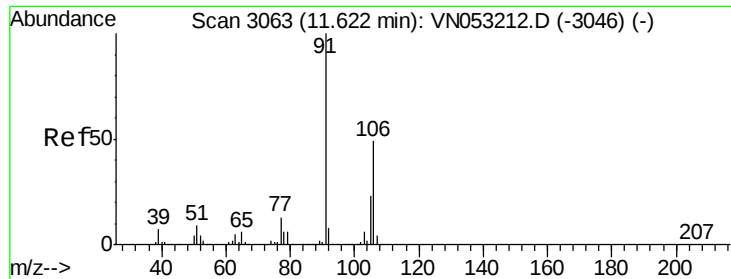
100000

0

10.00 10.09 10.20

Time-->





#67

m/p-Xvlenes

Concen: 0.358 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.01 min

Lab File: VN053281.D

Acq: 4 Jan 2019 14:32

Instrument :

MSVOA_N

ClientSampleId :

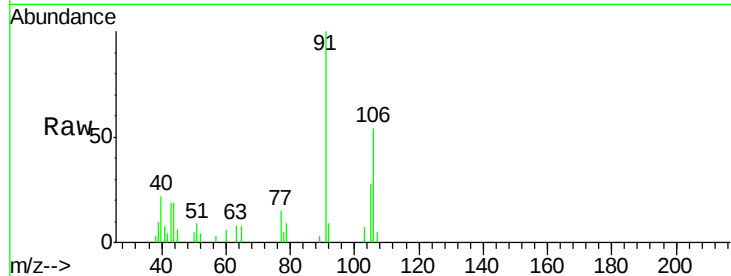
001M-WILLETS-PT-BLVD(JAN)

Tot Ion:106 Resp: 5359

Ion Ratio Lower Upper

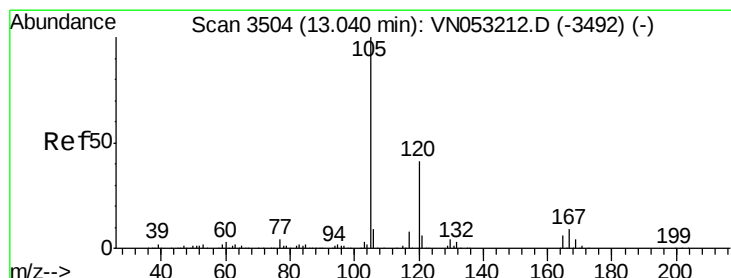
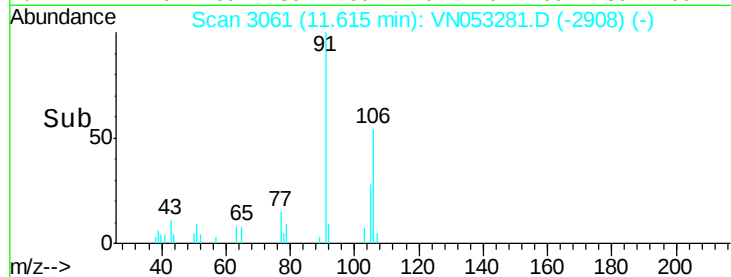
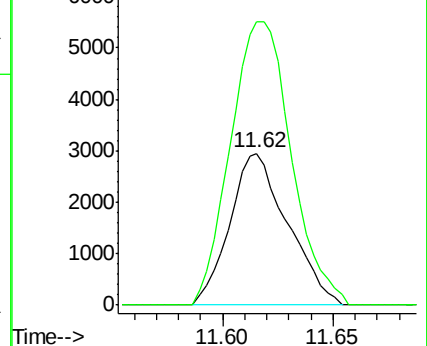
106 100

91 196.4 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#80

1,2,4-Trimethylbenzene

Concen: 0.392 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053281.D

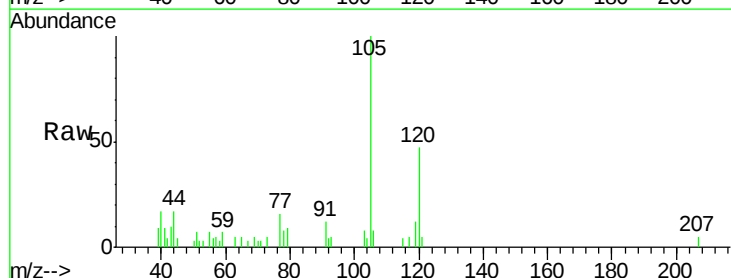
Acq: 4 Jan 2019 14:32

Tgt Ion:105 Resp: 11890

Ion Ratio Lower Upper

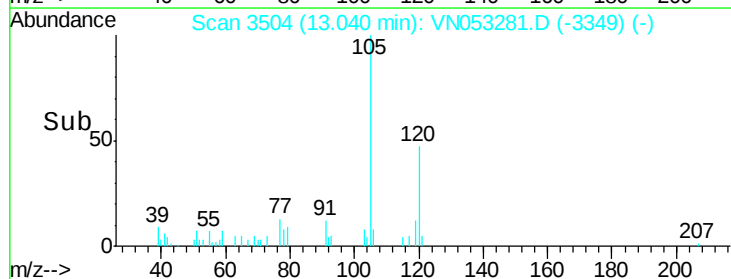
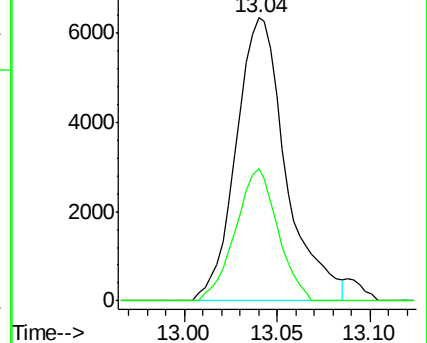
105 100

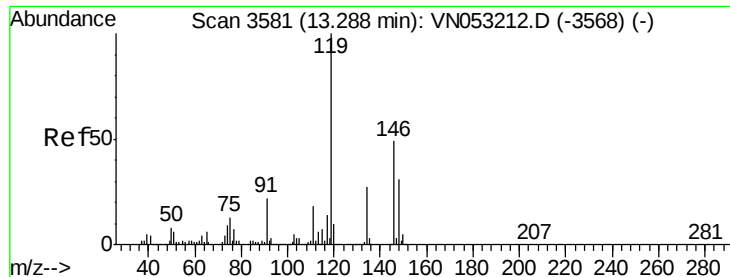
120 39.5 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#82

p-Isopropyltoluene

Concen: 0.689 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053281.D

Acq: 4 Jan 2019 14:32

Instrument :

MSVOA_N

ClientSampleId :

001M-WILLETS-PT-BLVD(JAN)

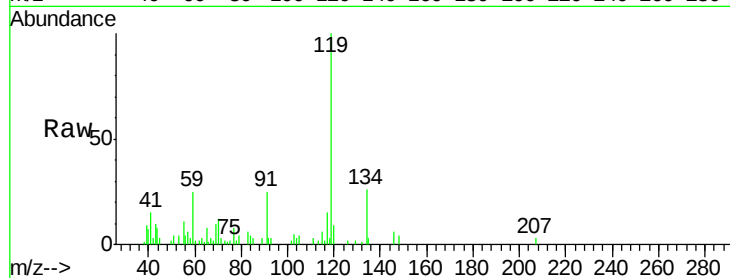
Tot Ion:119 Resp: 20816

Ion Ratio Lower Upper

119 100

134 27.6 0.0 52.6

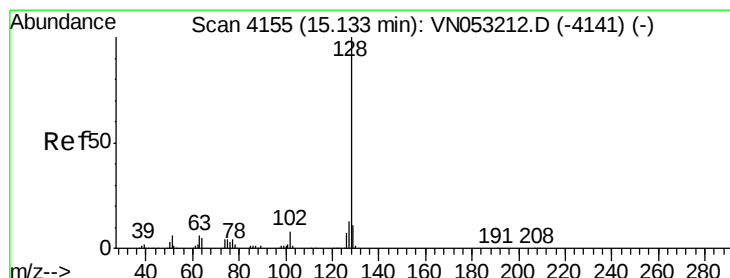
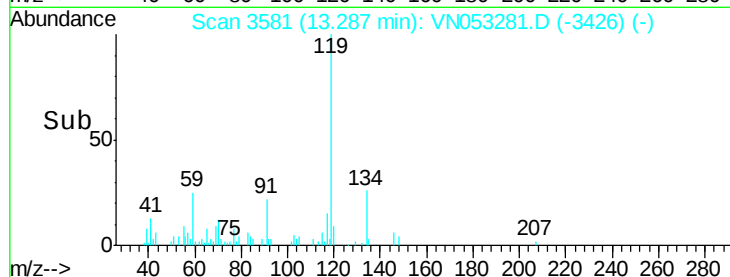
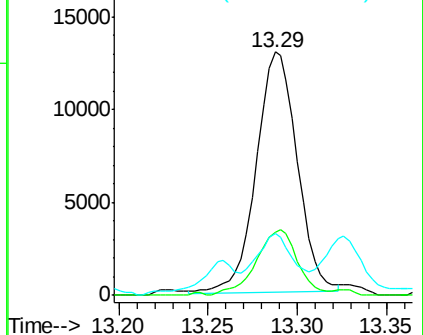
91 22.8 0.0 46.2



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



#91

Naphthalene

Concen: 0.346 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053281.D

Acq: 4 Jan 2019 14:32

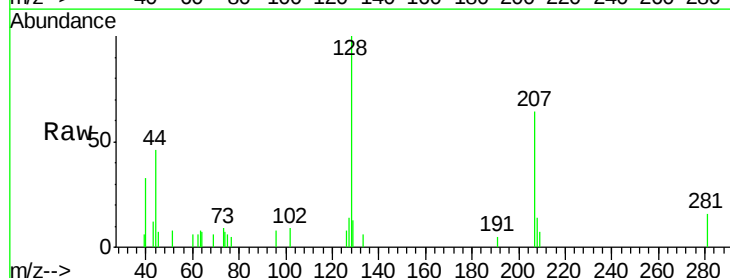
Tgt Ion:128 Resp: 5528

Ion Ratio Lower Upper

128 100

127 12.0 9.9 14.9

129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

