

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN082818\
 Data File : VN050914.D
 Acq On : 28 Aug 2018 15:20
 Operator : MD\SY
 Sample : J4674-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Aug 28 15:37:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 28 14:02:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	115126	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	590351	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	494105	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	221536	30.15	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.50%
60) 4-Bromofluorobenzene	12.40	95	173778	23.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	78.83%
63) Toluene-d8	10.09	98	687565	29.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.47%

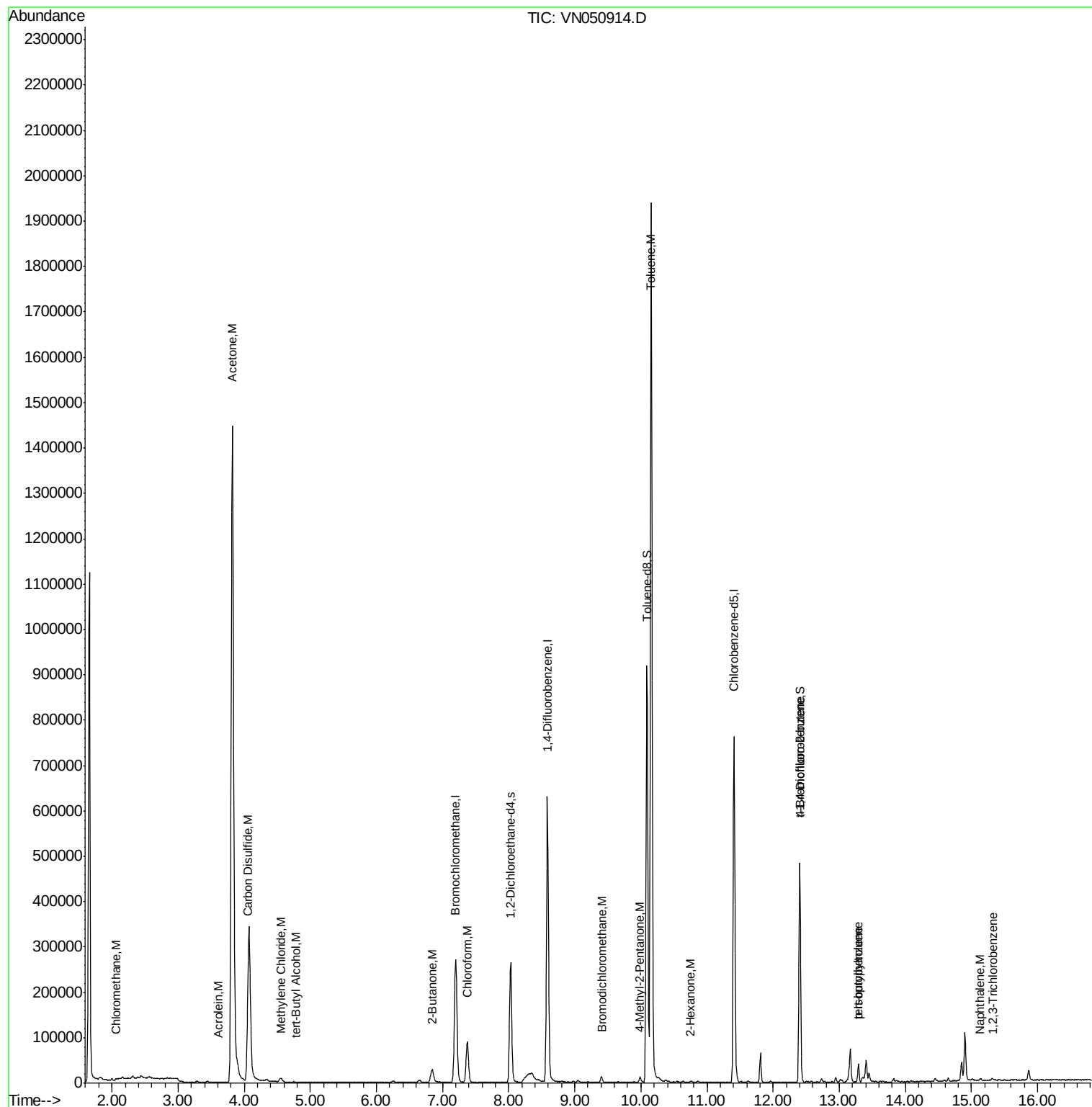
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.06	50	1753	0.21	ug/l	98
13) Acrolein	3.61	56	61	0.38	ug/l #	13
15) Acetone	3.82	58	834479	1340.85	ug/l	89
16) Carbon Disulfide	4.05	76	9961	0.53	ug/l	97
18) Methylene Chloride	4.55	84	7144	0.98	ug/l #	64
23) tert-Butyl Alcohol	4.78	59	120	0.23	ug/l #	100
25) Chloroform	7.37	83	96041	7.72	ug/l	95
30) 2-Butanone	6.84	43	39967	14.70	ug/l #	96
41) Bromodichloromethane	9.40	83	9373	1.03	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	9093	1.61	ug/l #	50
59) 2-Hexanone	10.75	43	1742	0.47	ug/l #	91
62) Toluene	10.16	91	1583049	57.43	ug/l	100
77) t-1,4-Dichloro-2-butene	12.40	75	81601	43.96	ug/l #	14
79) tert-butylbenzene	13.29	119	16462	0.83	ug/l	64
82) p-Isopropyltoluene	13.29	119	16462	0.74	ug/l	97
91) Naphthalene	15.14	128	3388	8.78	ug/l #	88
92) 1,2,3-Trichlorobenzene	15.32	180	1650	0.30	ug/l	96

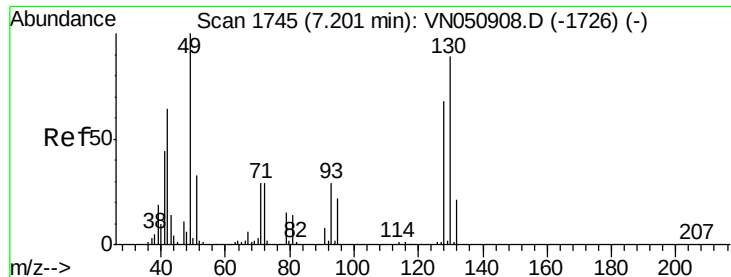
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 28 14:02:24 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050914.D

Acq: 28 Aug 2018 15:20

Instrument :

MSVOA_N

ClientSampleId :

001M-WILLETS-PT-BLVD(JULY)

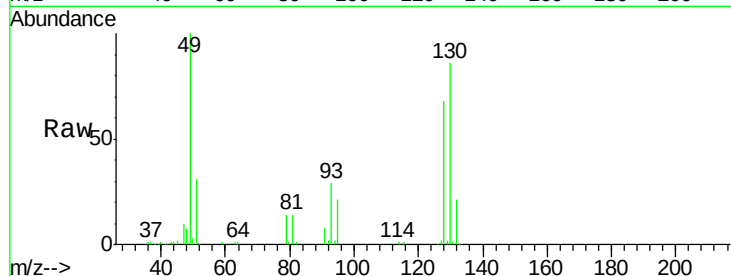
Tot Ion:128 Resp: 115126

Ion Ratio Lower Upper

128 100

49 148.9 0.0 378.3

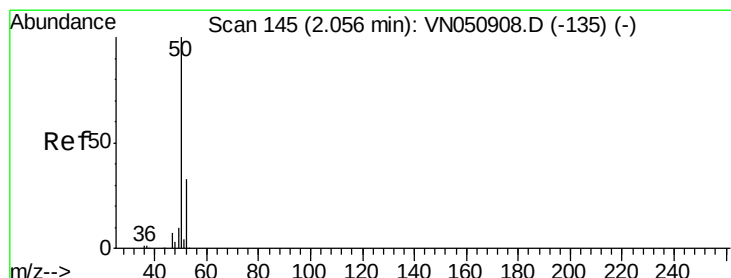
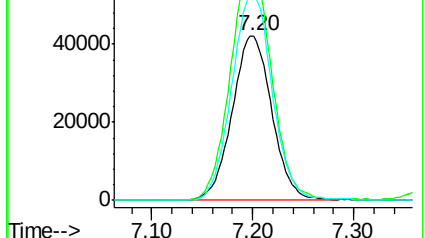
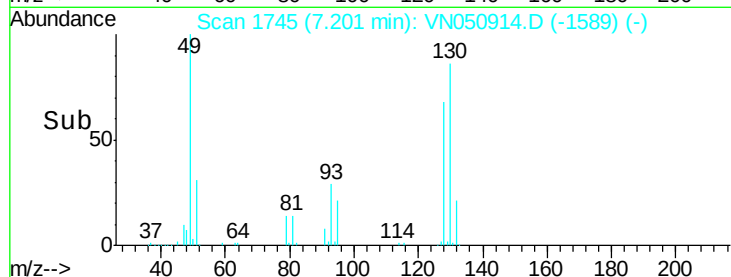
130 127.2 0.0 320.7



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



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050914.D

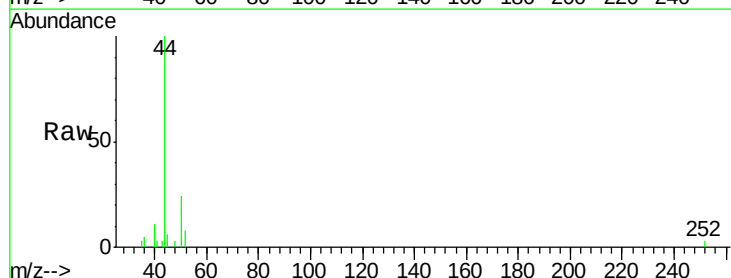
Acq: 28 Aug 2018 15:20

Tgt Ion: 50 Resp: 1753

Ion Ratio Lower Upper

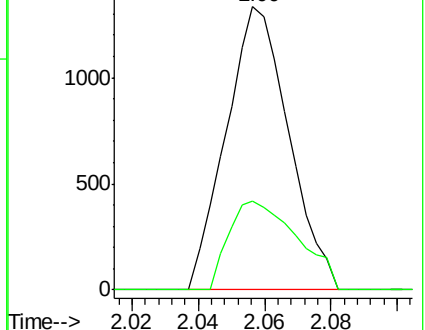
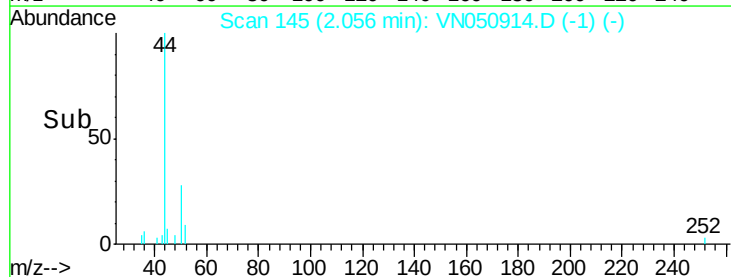
50 100

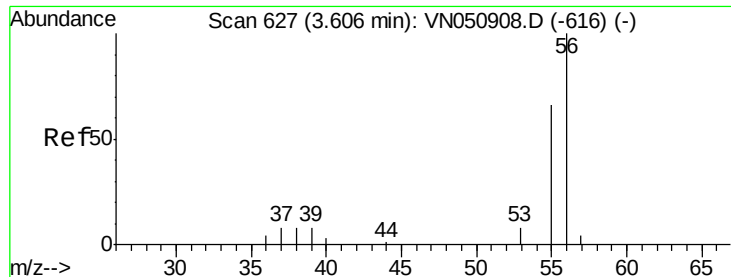
52 31.5 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#13

Acrolein

Concen: 0.38 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050914.D

Acq: 28 Aug 2018 15:20

Instrument :

MSVOA_N

ClientSampleId :

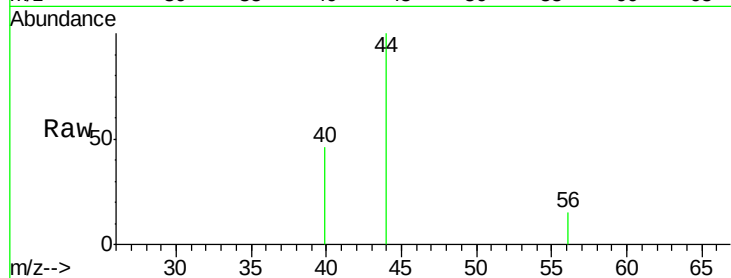
001M-WILLETS-PT-BLVD(JULY)

Tot Ion: 56 Resp: 61

Ion Ratio Lower Upper

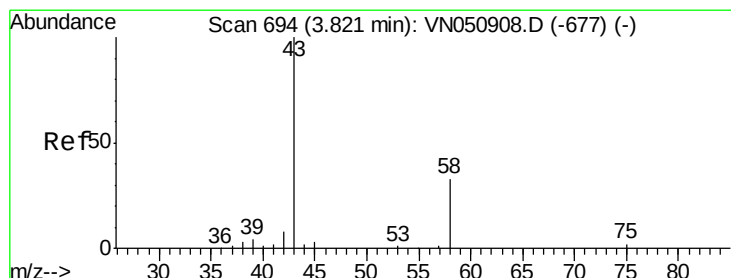
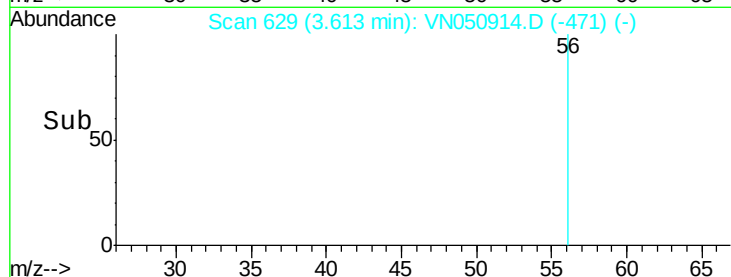
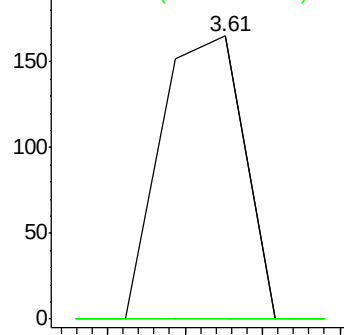
56 100

55 0.0 58.6 88.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#15

Acetone

Concen: 1340.85 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050914.D

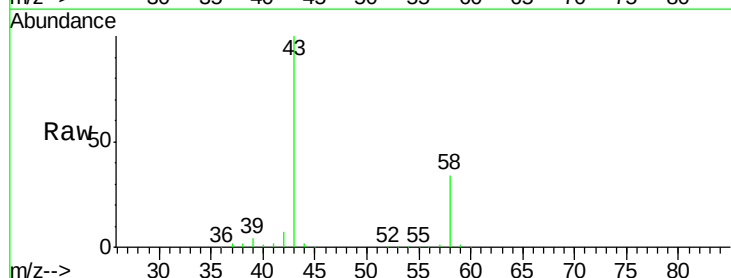
Acq: 28 Aug 2018 15:20

Tgt Ion: 58 Resp: 834479

Ion Ratio Lower Upper

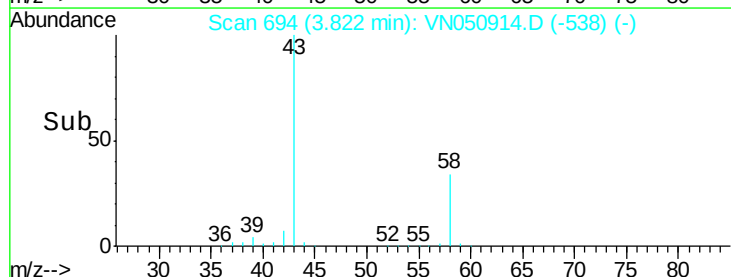
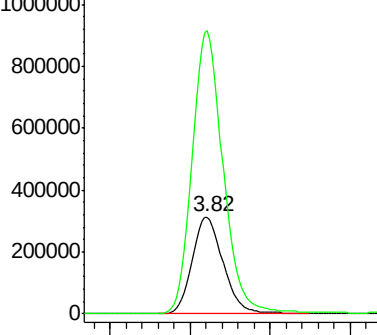
58 100

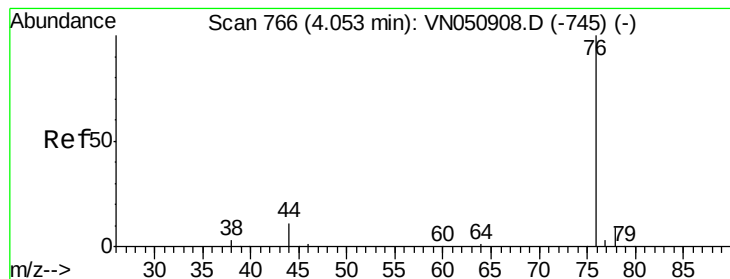
43 292.8 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#16

Carbon Disulfide

Concen: 0.53 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050914.D

Acq: 28 Aug 2018 15:20

Instrument :

MSVOA_N

ClientSampleId :

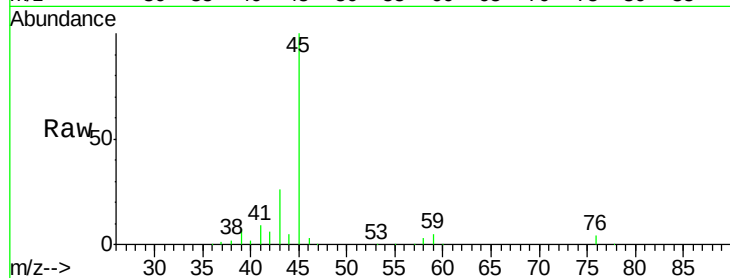
001M-WILLETS-PT-BLVD(JULY)

Tot Ion: 76 Resp: 9961

Ion Ratio Lower Upper

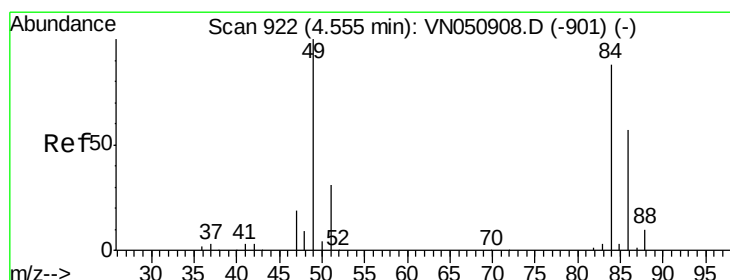
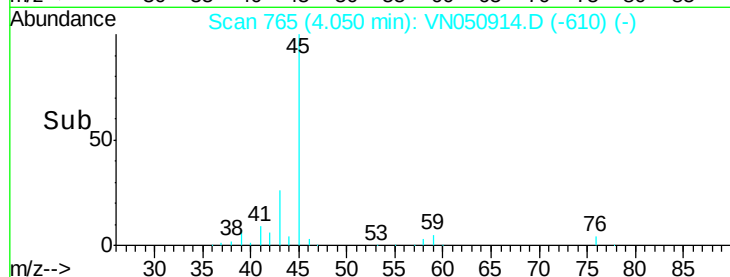
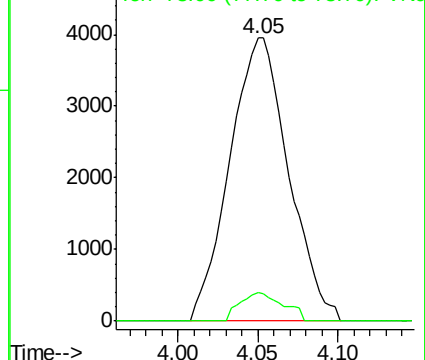
76 100

78 10.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VNO

Ion 78.00 (77.70 to 78.70): VNO



#18

Methylene Chloride

Concen: 0.98 ug/l

RT: 4.55 min Scan# 920

Delta R.T. -0.01 min

Lab File: VN050914.D

Acq: 28 Aug 2018 15:20

Tgt Ion: 84 Resp: 7144

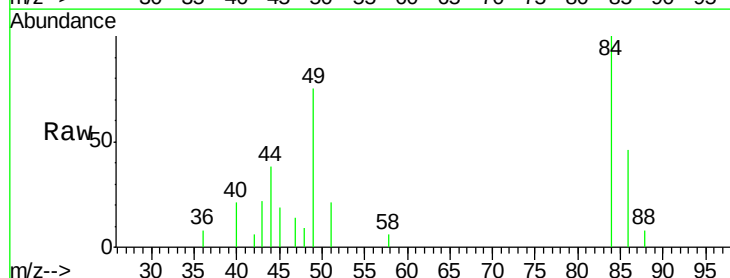
Ion Ratio Lower Upper

84 100

49 68.0 95.1 142.7#

51 21.4 28.8 43.2#

86 45.9 52.3 78.5#

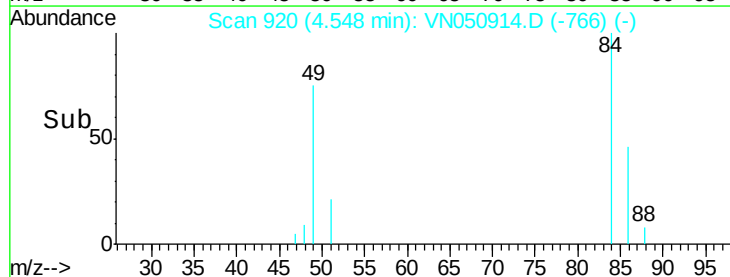
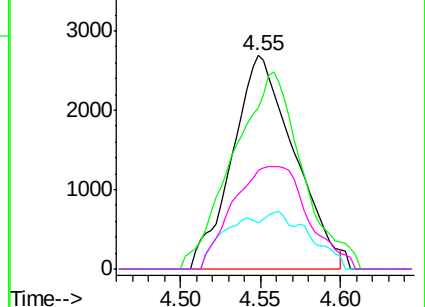


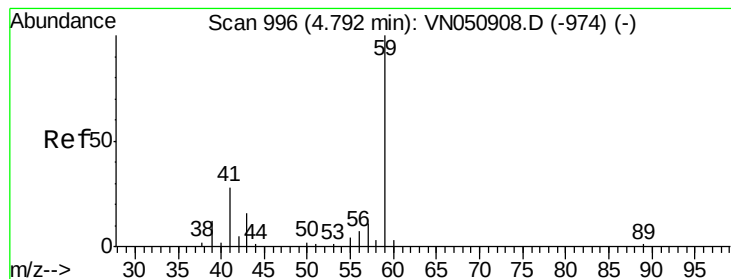
Abundance Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO





#23

tert-Butyl Alcohol

Concen: 0.23 ug/l

RT: 4.78 min Scan# 993

Delta R.T. -0.01 min

Lab File: VN050914.D

Acq: 28 Aug 2018 15:20

Instrument :

MSVOA_N

ClientSampleId :

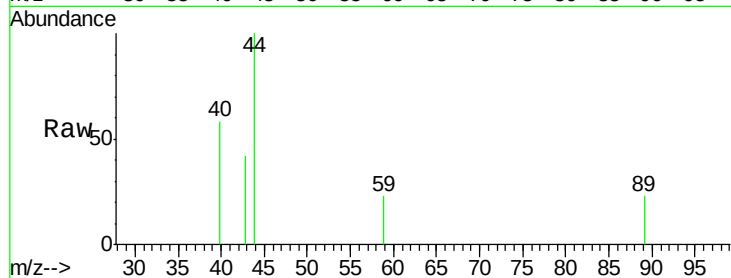
001M-WILLETS-PT-BLVD(JULY)

Tot Ion: 59 Resp: 120

Ion Ratio Lower Upper

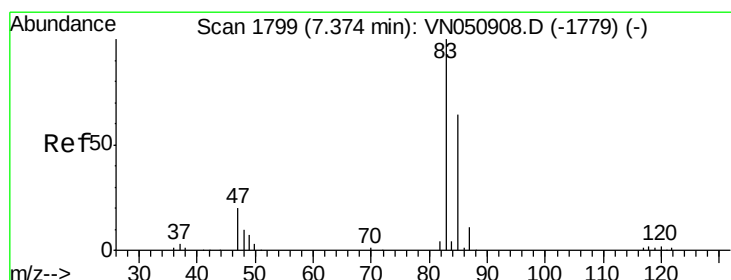
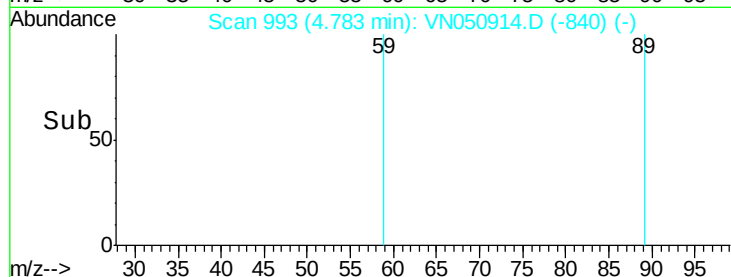
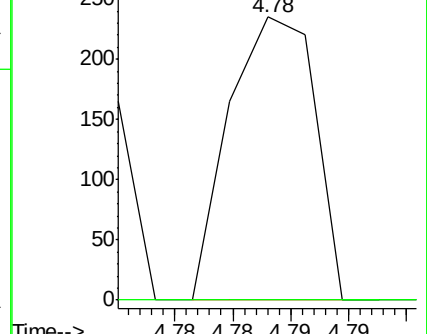
59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#25

Chloroform

Concen: 7.72 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN050914.D

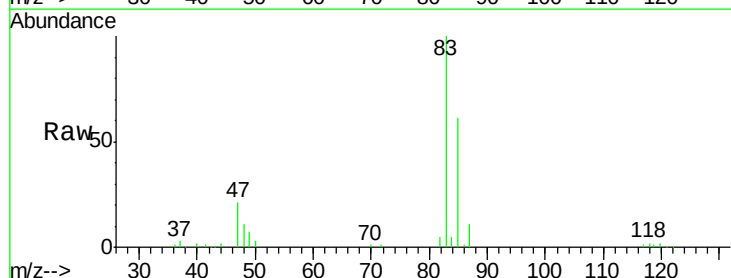
Acq: 28 Aug 2018 15:20

Tgt Ion: 83 Resp: 96041

Ion Ratio Lower Upper

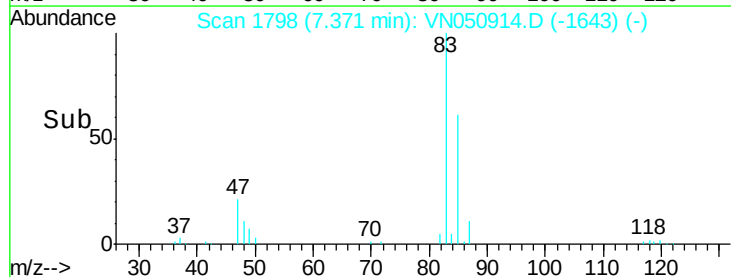
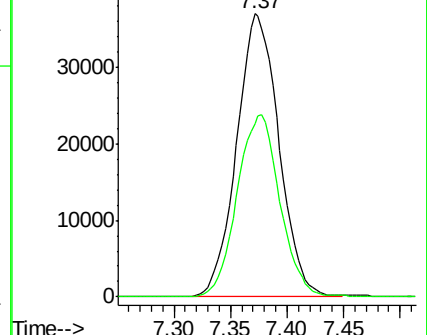
83 100

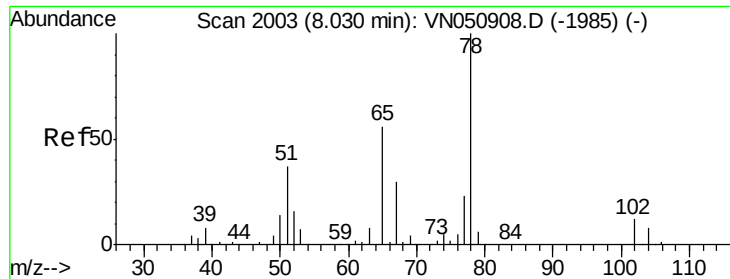
85 61.4 52.1 78.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

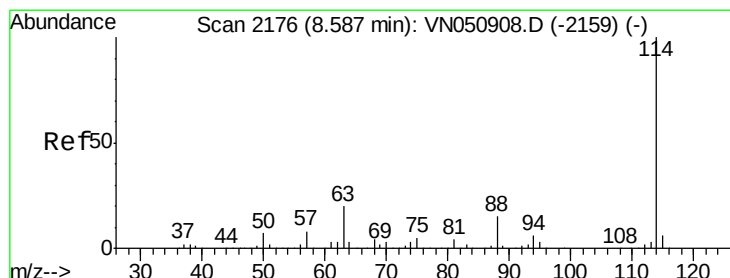
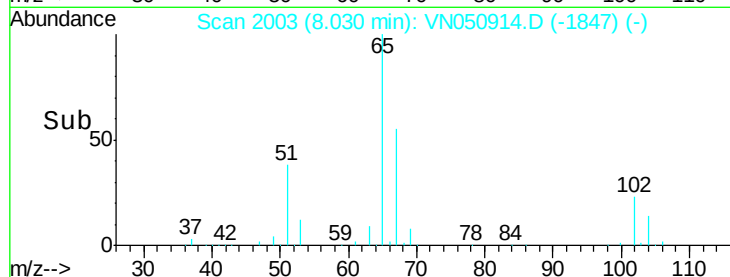
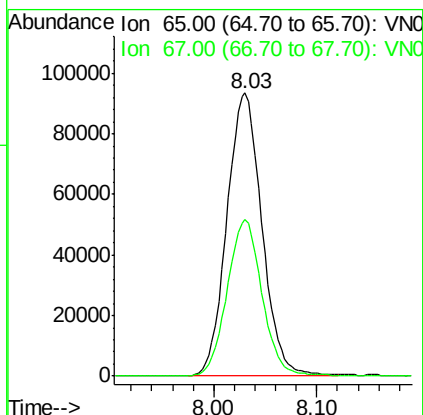
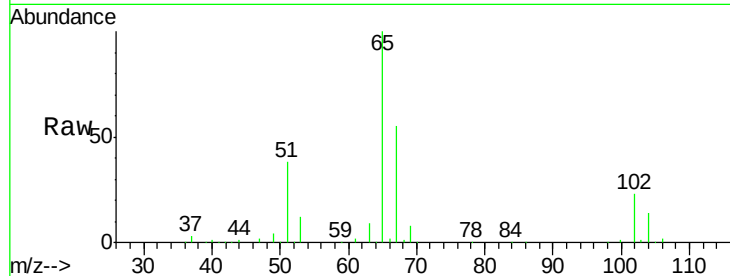




#27
 1,2-Dichloroethane-d4
 Concen: 30.15 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050914.D
 Acq: 28 Aug 2018 15:20

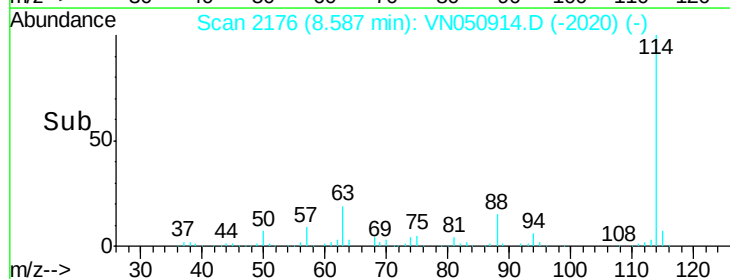
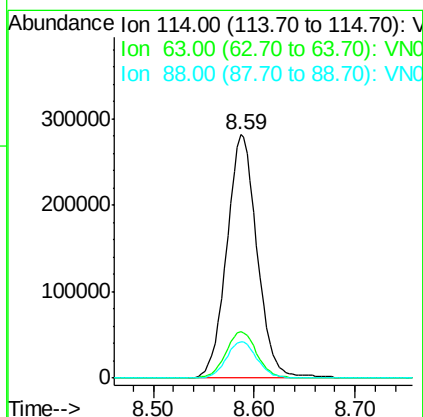
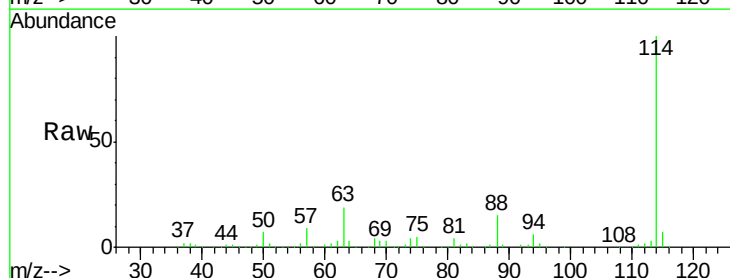
Instrument :
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 001M-WILLETS-PT-BLVD(JULY)

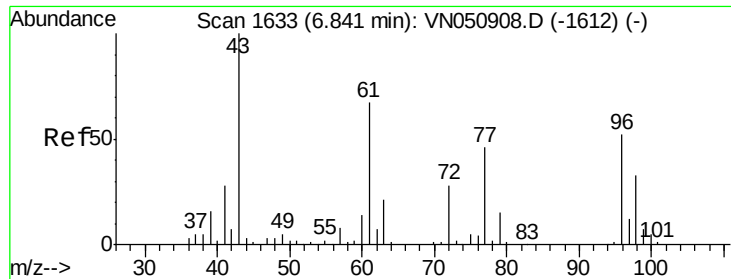
Tot Ion: 65 Resp: 221536
 Ion Ratio Lower Upper
 65 100
 67 54.7 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050914.D
 Acq: 28 Aug 2018 15:20

Tgt Ion: 114 Resp: 590351
 Ion Ratio Lower Upper
 114 100
 63 19.6 16.2 24.2
 88 15.2 12.3 18.5

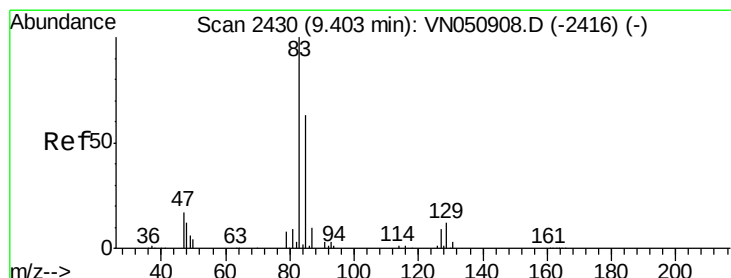
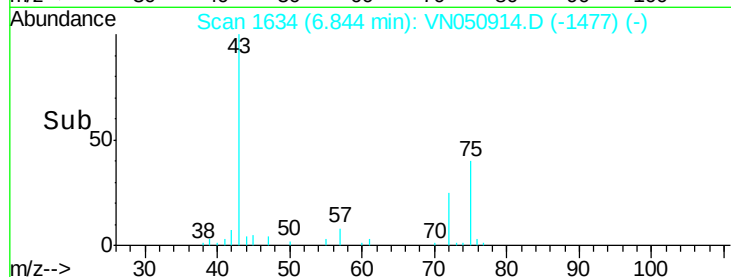
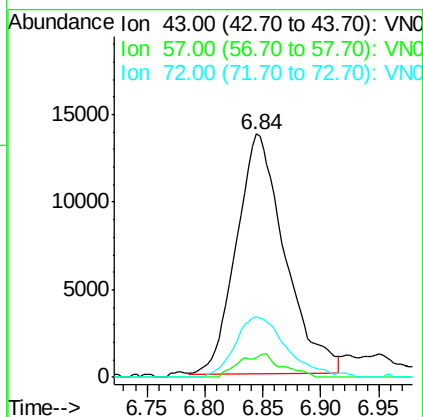
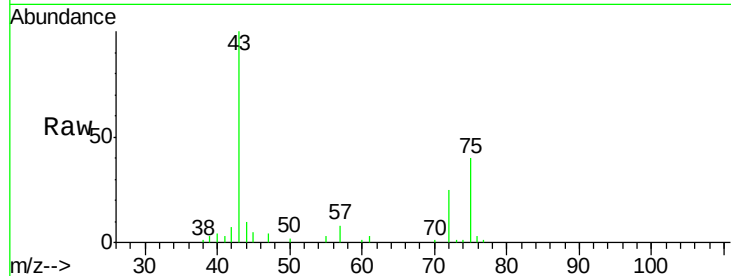




#30
2-Butanone
Concen: 14.70 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050914.D
Acq: 28 Aug 2018 15:20

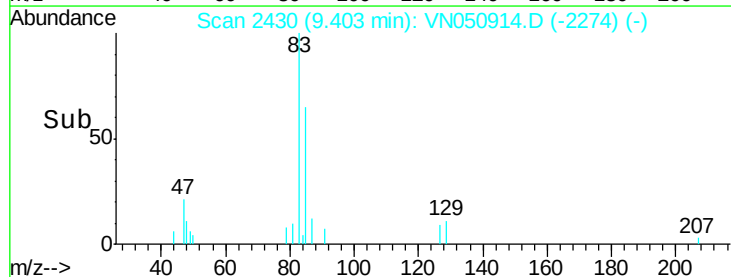
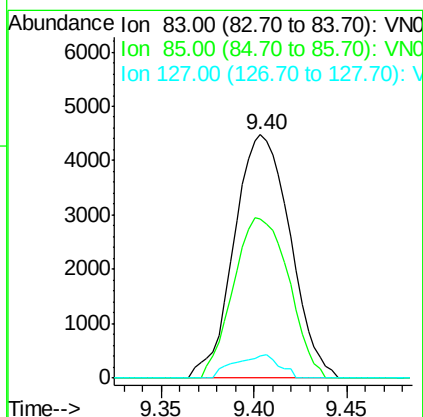
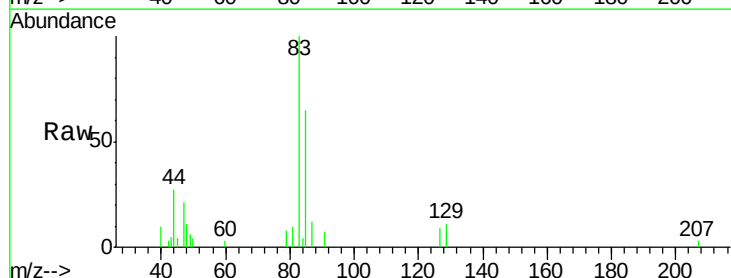
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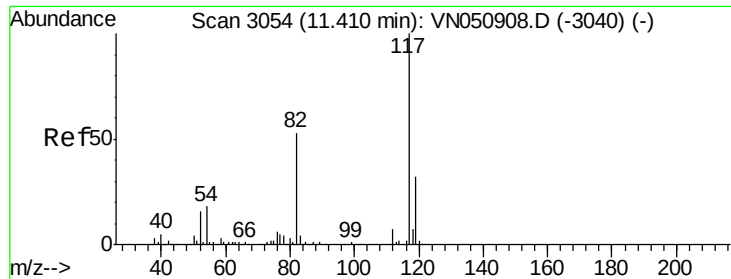
Tot Ion: 43 Resp: 39967
Ion Ratio Lower Upper
43 100
57 2.7 6.8 10.2#
72 26.4 21.4 32.0



#41
Bromodichloromethane
Concen: 1.03 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050914.D
Acq: 28 Aug 2018 15:20

Tgt Ion: 83 Resp: 9373
Ion Ratio Lower Upper
83 100
85 65.4 52.6 78.8
127 9.2 7.0 10.4

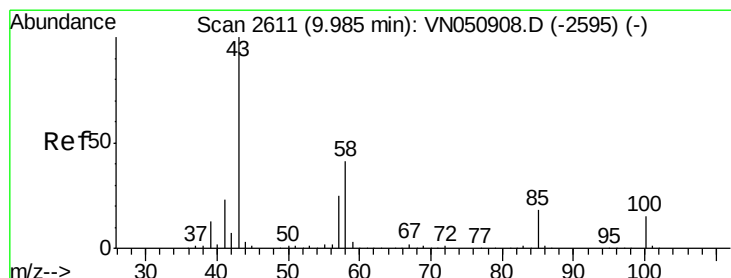
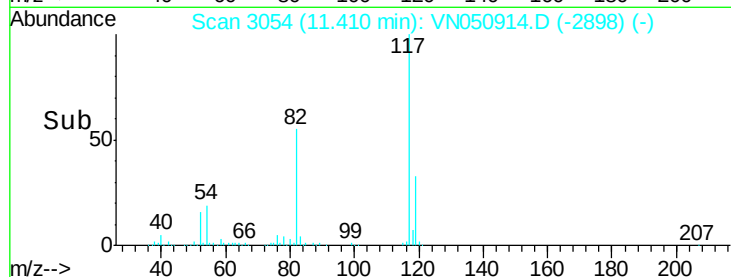
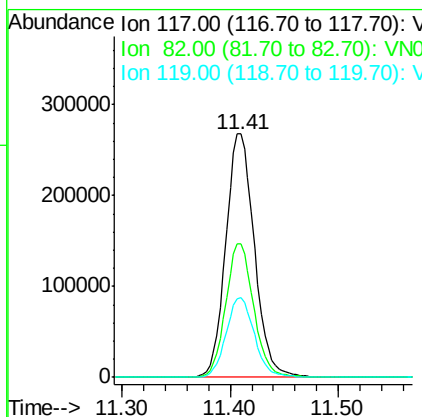
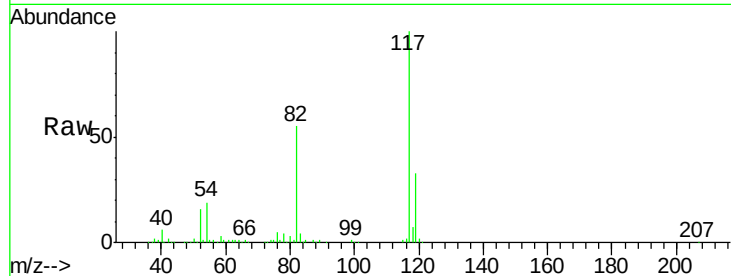




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050914.D
Acq: 28 Aug 2018 15:20

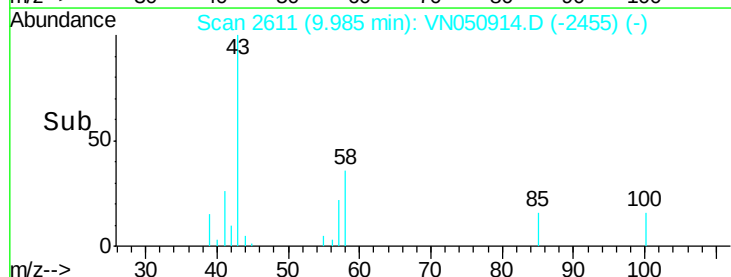
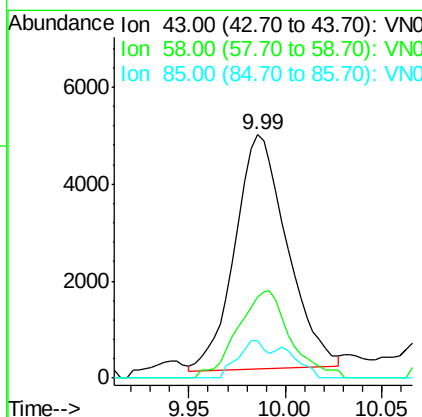
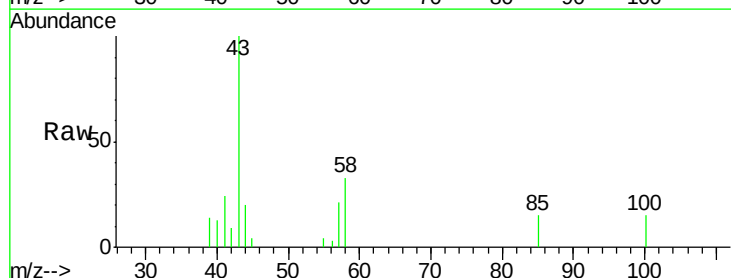
Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(JULY)

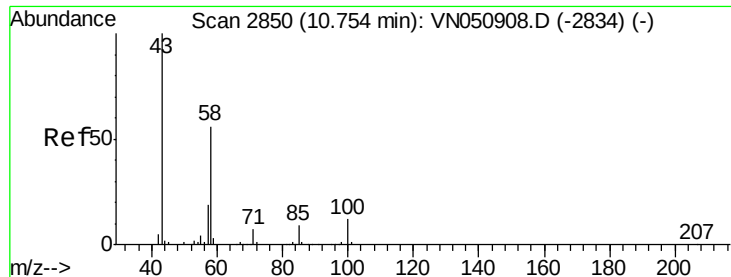
Tot Ion:117 Resp: 494105
Ion Ratio Lower Upper
117 100
82 53.5 42.4 63.6
119 32.3 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 1.61 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN050914.D
Acq: 28 Aug 2018 15:20

Tgt Ion: 43 Resp: 9093
Ion Ratio Lower Upper
43 100
58 0.0 31.2 46.8#
85 8.9 14.4 21.6#

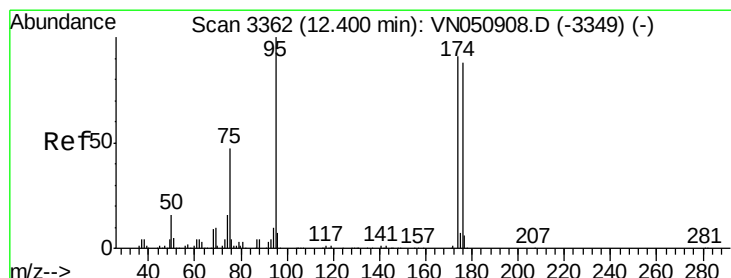
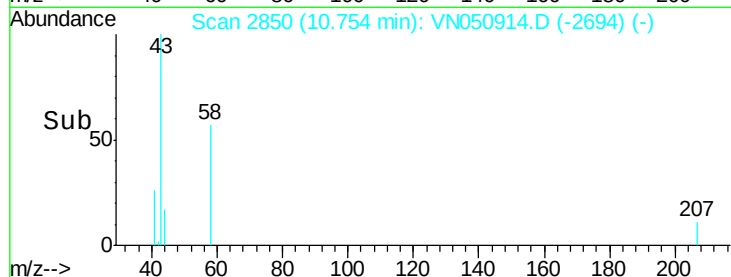
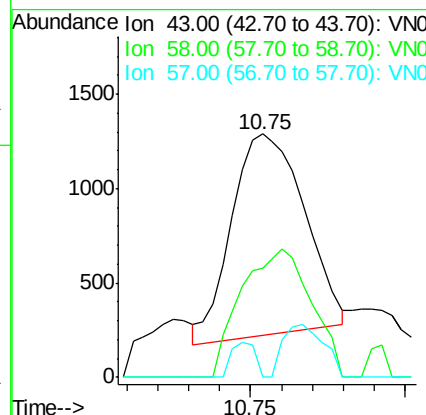
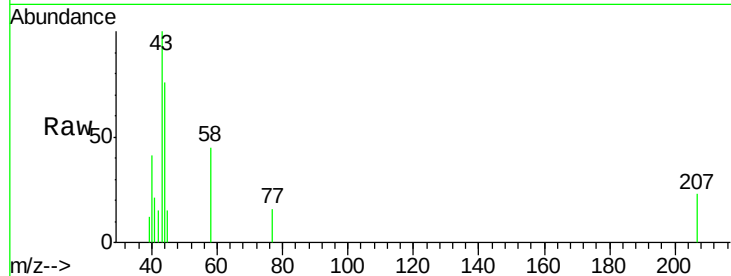




#59
2-Hexanone
Concen: 0.47 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050914.D
Acq: 28 Aug 2018 15:20

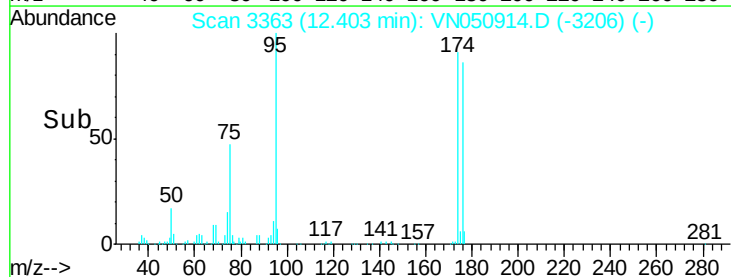
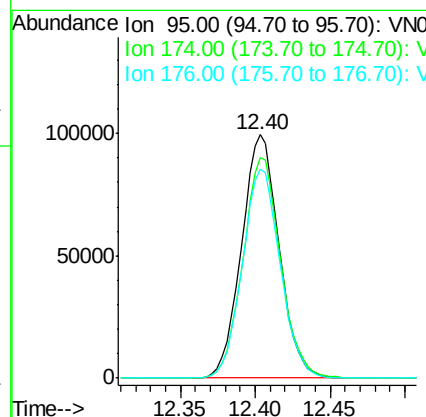
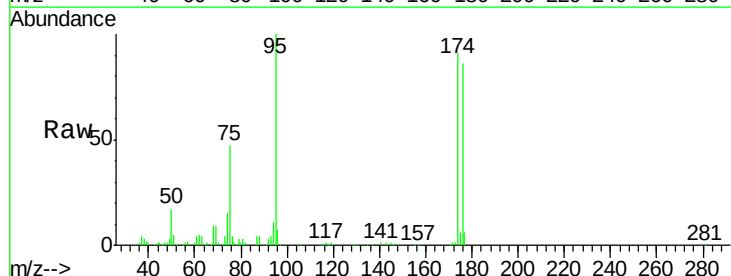
Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(JULY)

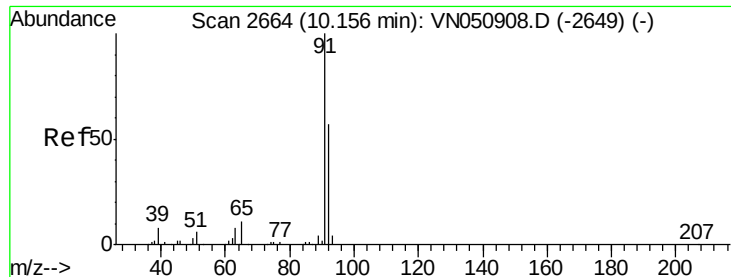
Tot Ion: 43 Resp: 1742
Ion Ratio Lower Upper
43 100
58 61.1 43.8 65.8
57 14.5 15.1 22.7#



#60
4-Bromofluorobenzene
Concen: 23.65 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050914.D
Acq: 28 Aug 2018 15:20

Tgt Ion: 95 Resp: 173778
Ion Ratio Lower Upper
95 100
174 90.9 72.3 108.5
176 86.6 70.0 105.0





#62

Toluene

Concen: 57.43 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050914.D

Acq: 28 Aug 2018 15:20

Instrument :

MSVOA_N

ClientSampleId :

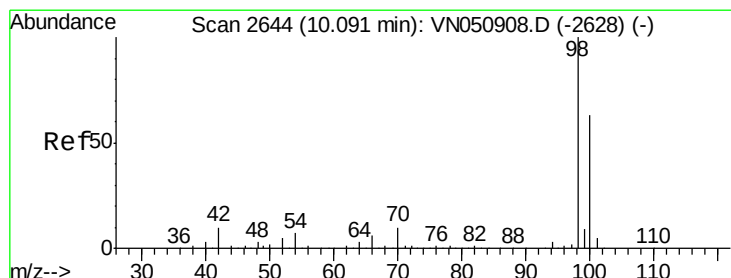
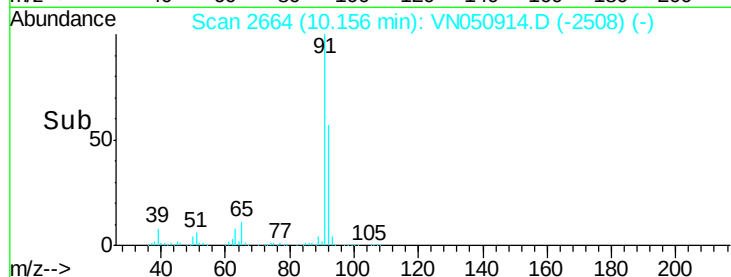
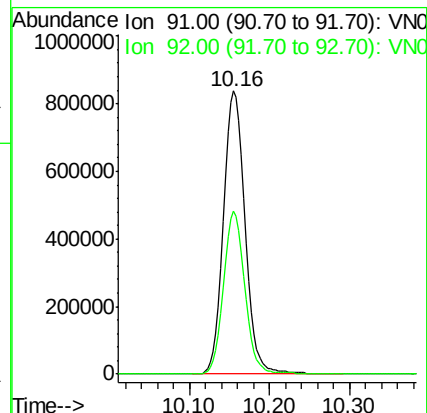
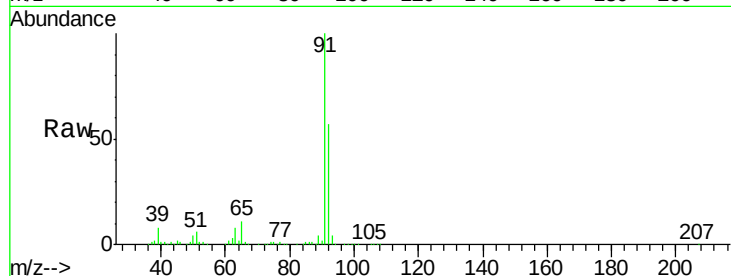
001M-WILLETS-PT-BLVD(JULY)

Tot Ion: 91 Resp: 1583049

Ion Ratio Lower Upper

91 100

92 56.9 45.7 68.5



#63

Toluene-d8

Concen: 29.84 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050914.D

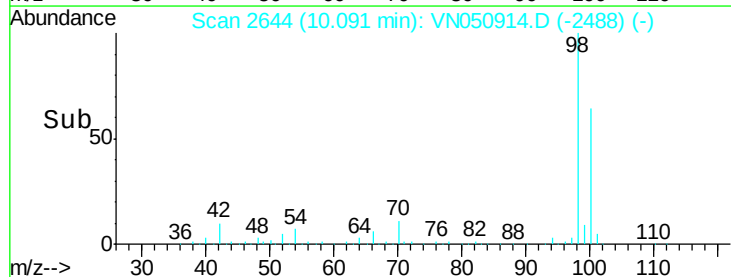
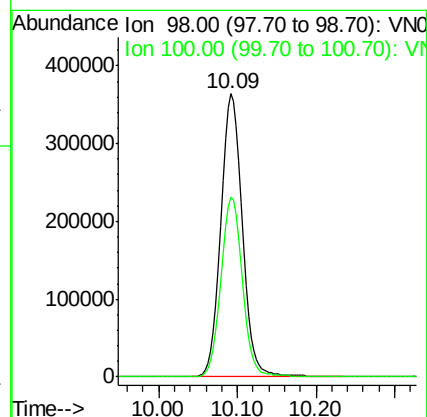
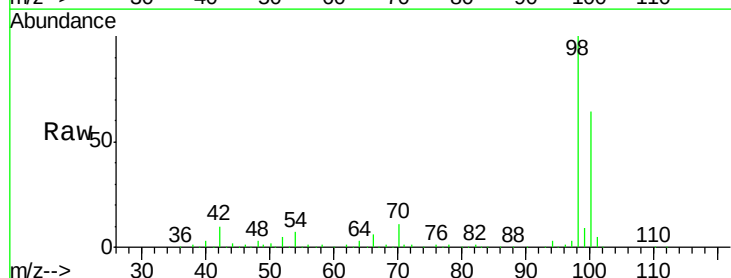
Acq: 28 Aug 2018 15:20

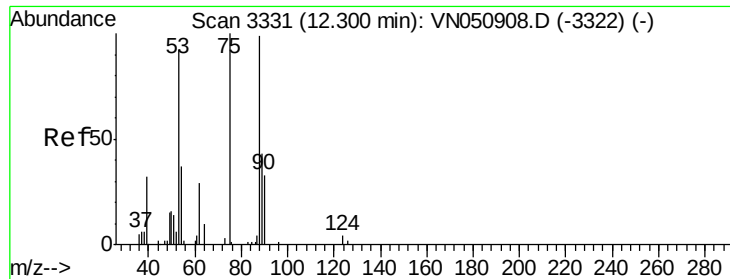
Tgt Ion: 98 Resp: 687565

Ion Ratio Lower Upper

98 100

100 63.1 51.2 76.8

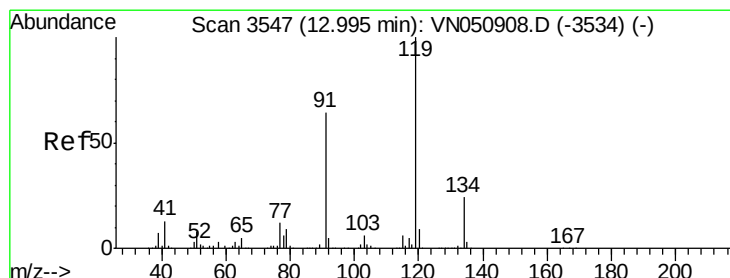
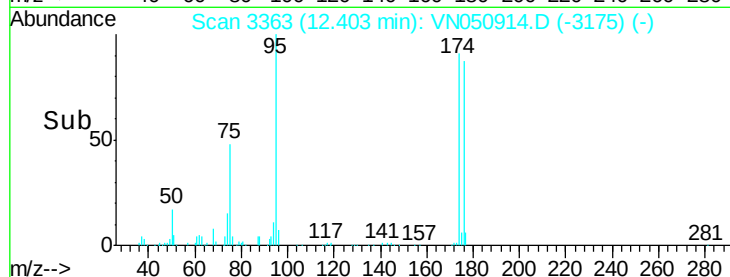
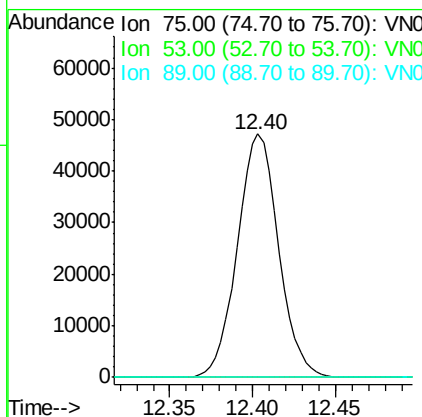
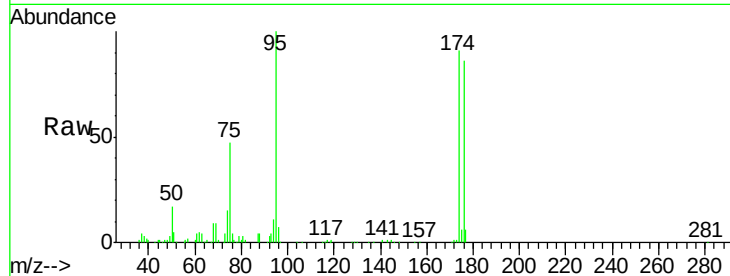




#77
t-1,4-Dichloro-2-butene
Concen: 43.96 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050914.D
Acq: 28 Aug 2018 15:20

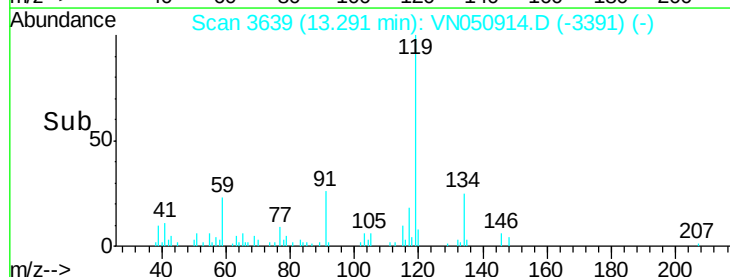
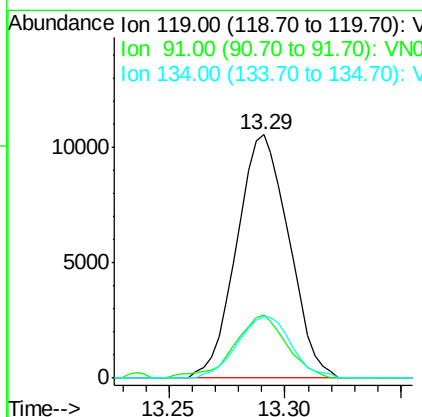
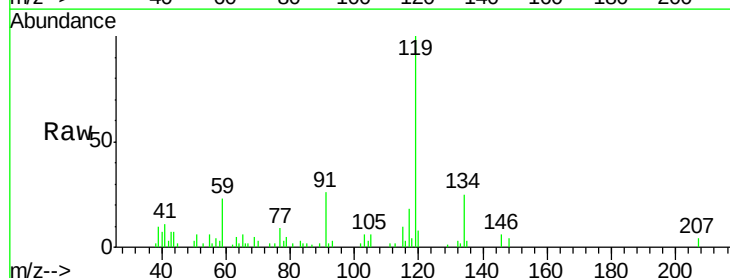
Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(JULY)

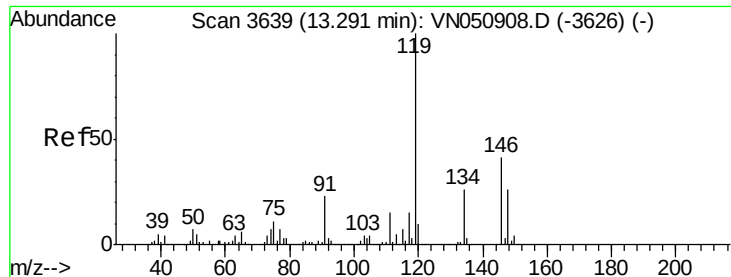
Tot Ion: 75 Resp: 81601
Ion Ratio Lower Upper
75 100
53 0.0 44.6 134.0#
89 0.0 20.7 62.1#



#79
tert-butylbenzene
Concen: 0.83 ug/l
RT: 13.29 min Scan# 3639
Delta R.T. 0.30 min
Lab File: VN050914.D
Acq: 28 Aug 2018 15:20

Tgt Ion: 119 Resp: 16462
Ion Ratio Lower Upper
119 100
91 26.2 0.0 126.8
134 26.2 0.0 47.4

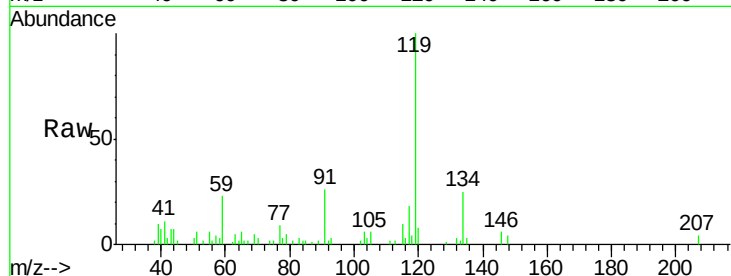




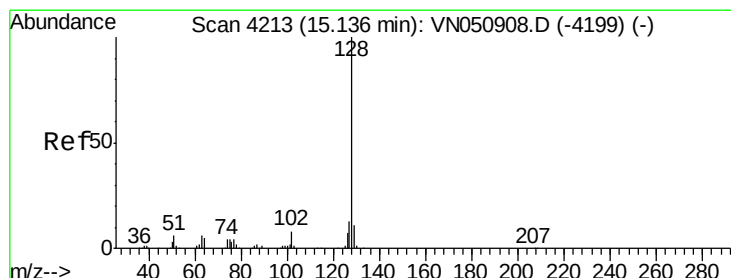
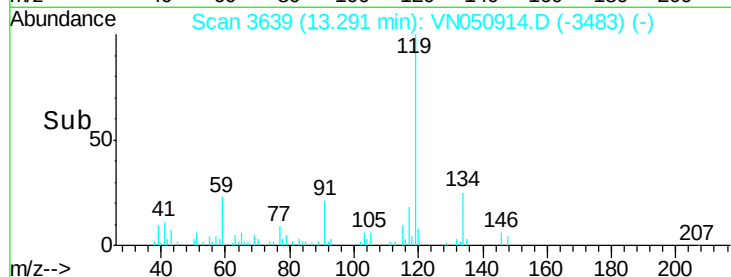
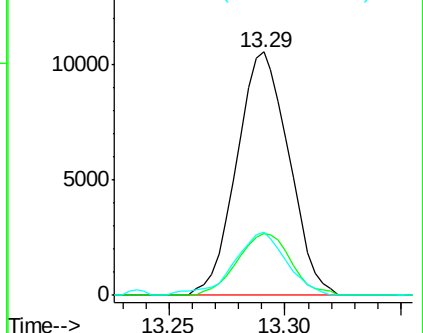
#82
p-Isopropyltoluene
Concen: 0.74 ug/l
RT: 13.29 min Scan# 3639
Delta R.T. 0.00 min
Lab File: VN050914.D
Acq: 28 Aug 2018 15:20

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

Tot Ion:119 Resp: 16462
Ion Ratio Lower Upper
119 100
134 26.2 0.0 52.2
91 26.2 0.0 45.6

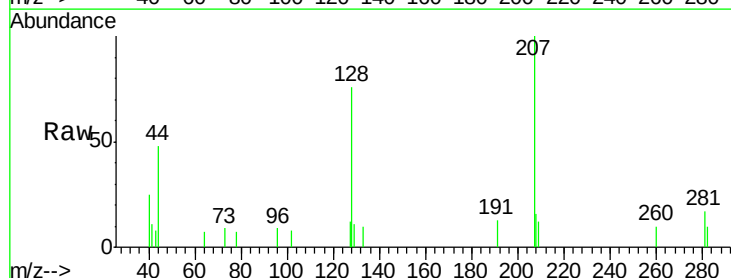


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

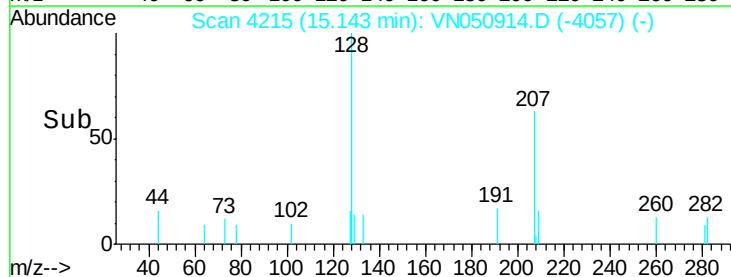
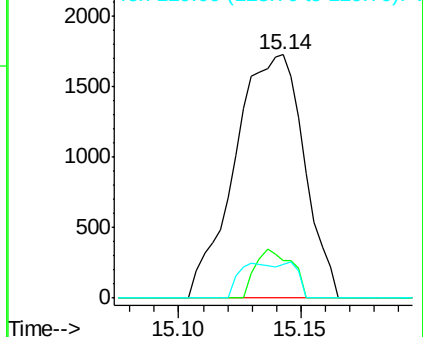


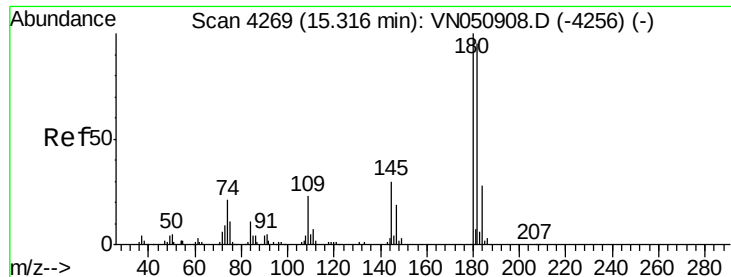
#91
Naphthalene
Concen: 8.78 ug/l
RT: 15.14 min Scan# 4215
Delta R.T. 0.01 min
Lab File: VN050914.D
Acq: 28 Aug 2018 15:20

Tgt Ion:128 Resp: 3388
Ion Ratio Lower Upper
128 100
127 10.5 10.2 15.4
129 3.9 9.0 13.4#



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

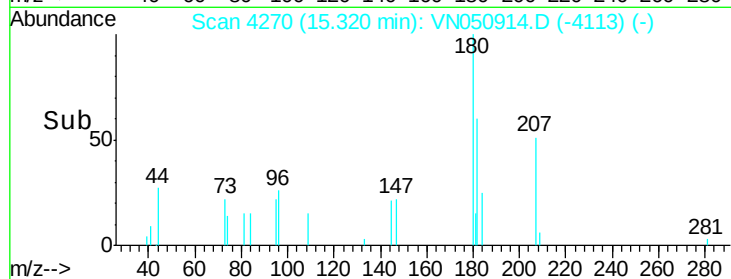
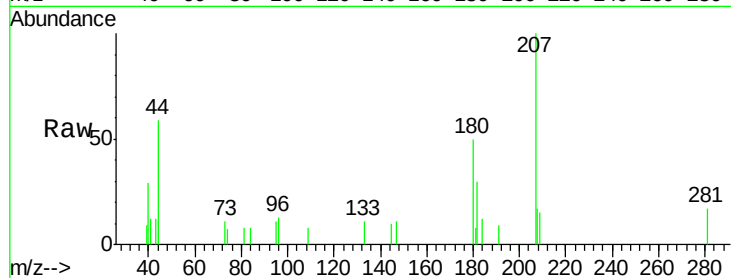




#92
 1,2,3-Trichlorobenzene
 Concen: 0.30 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN050914.D
 Acq: 28 Aug 2018 15:20

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

Tot Ion:180 Resp: 1650
 Ion Ratio Lower Upper
 180 100
 182 94.6 0.0 188.8
 145 22.9 0.0 60.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

