

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051642.D
 Acq On : 1 Oct 2018 16:56
 Operator : MD\SY
 Sample : J5167-01DL 5X
 Misc : Sample
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(SEP)DL

Quant Time: Oct 02 01:03:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	93658	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	454296	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	397906	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	206339	31.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.47%
60) 4-Bromofluorobenzene	12.40	95	141164	23.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	76.90%
63) Toluene-d8	10.09	98	519920	27.69	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	92.30%

Target Compounds

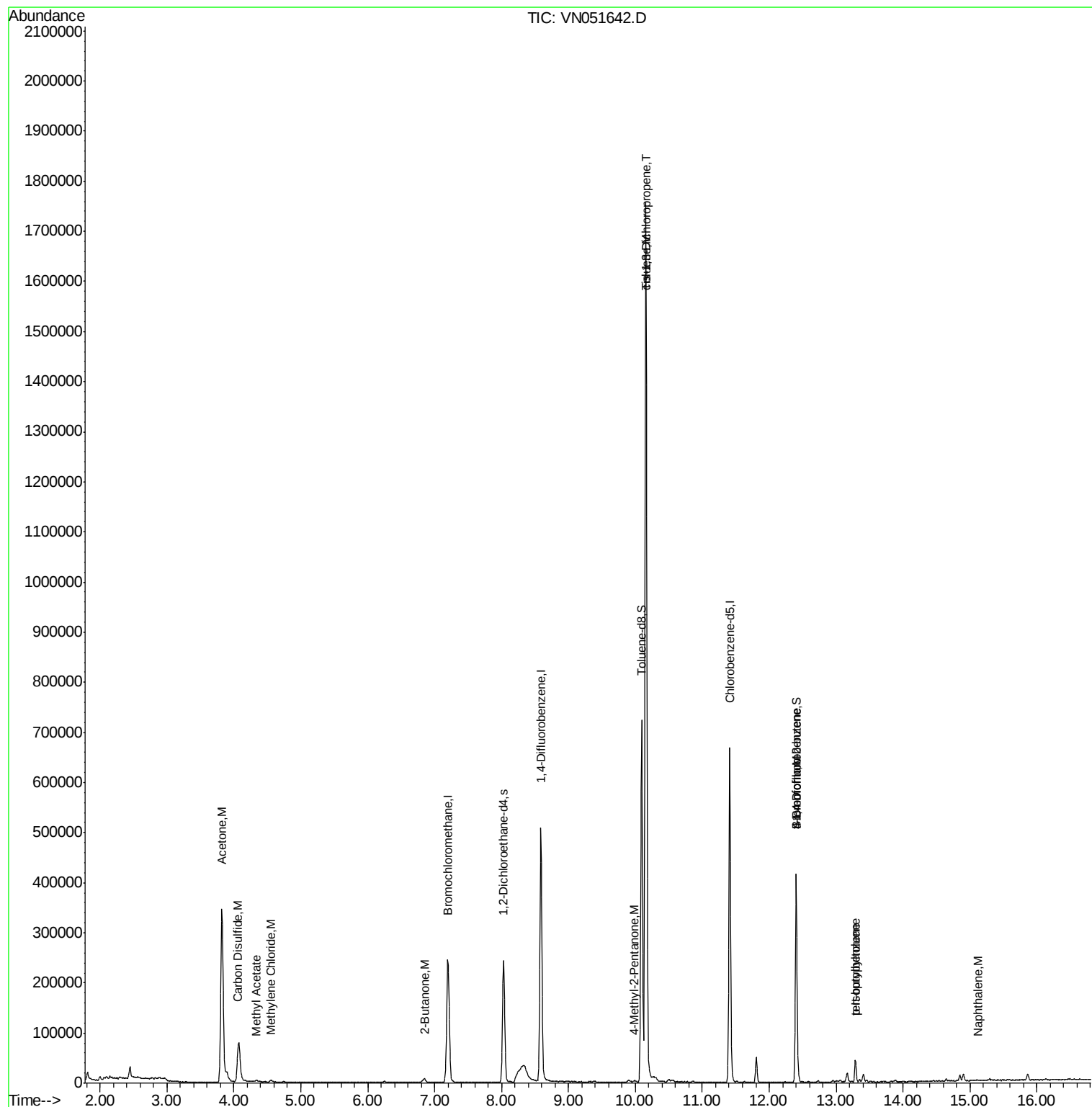
					Ovalue	
12) Methyl Acetate	4.33	43	1429	0.286	ug/l #	77
15) Acetone	3.82	58	184140	351.362	ug/l	90
16) Carbon Disulfide	4.05	76	5562	0.305	ug/l #	93
18) Methylene Chloride	4.55	84	2073	0.319	ug/l #	91
30) 2-Butanone	6.85	43	7254	3.441	ug/l #	82
49) cis-1,3-Dichloropropene	10.16	75	8907	1.000	ug/l #	1
56) Bromoform	12.41	173	2126	0.569	ug/l #	1
58) 4-Methyl-2-Pentanone	9.98	43	2702	0.598	ug/l #	82
62) Toluene	10.16	91	1383279	56.695	ug/l	100
77) t-1,4-Dichloro-2-butene	12.40	75	68581	42.719	ug/l #	11
79) tert-butylbenzene	13.29	119	22089	1.245	ug/l	60
82) p-Isopropyltoluene	13.29	119	22089	1.055	ug/l	98
91) Naphthalene	15.13	128	119	8.281	ug/l #	68

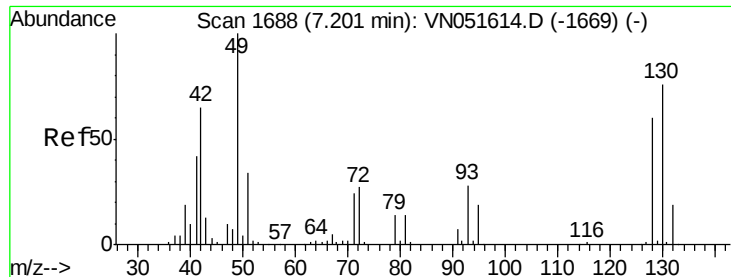
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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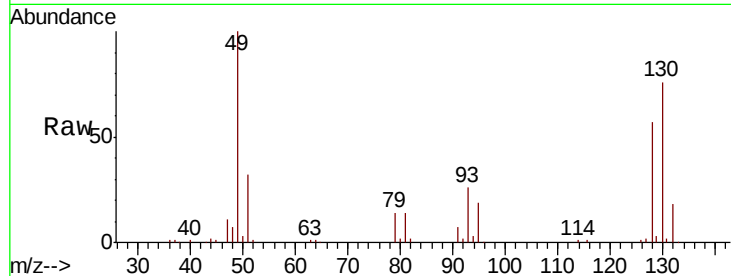




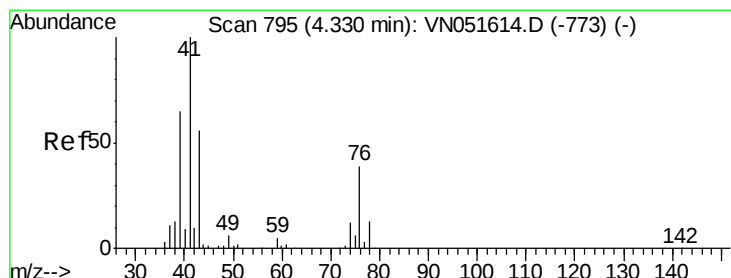
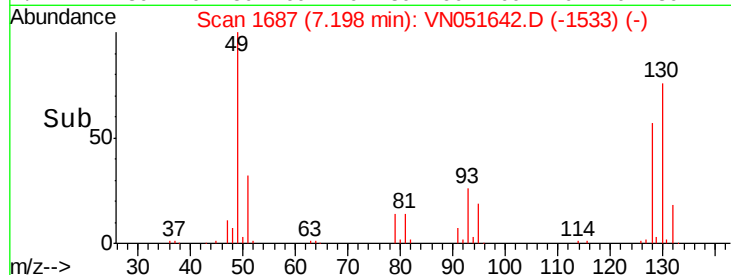
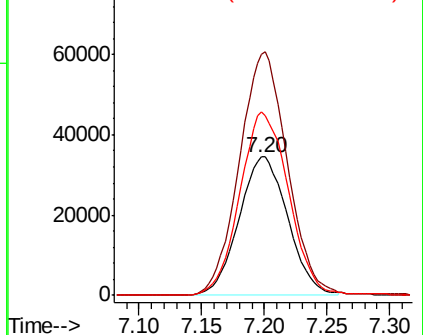
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN051642.D
Acq: 1 Oct 2018 16:56

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)DL

Tot Ion:128 Resp: 93658
Ion Ratio Lower Upper
128 100
49 171.9 0.0 426.8
130 132.4 0.0 326.3

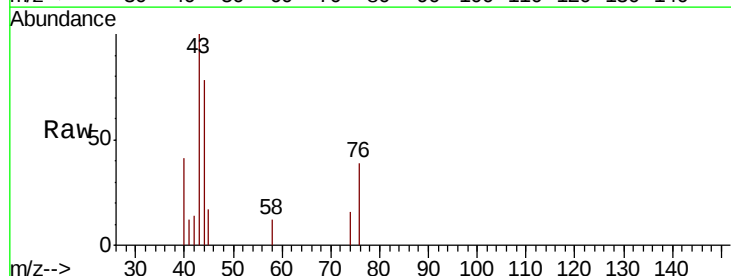


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V

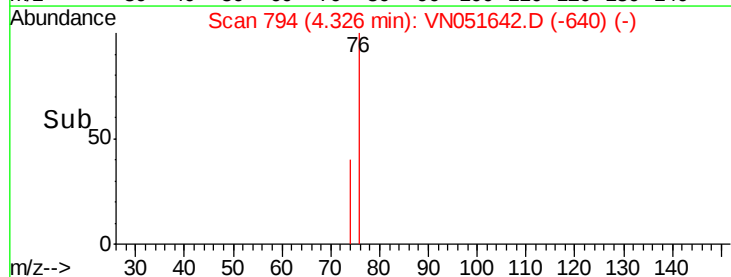
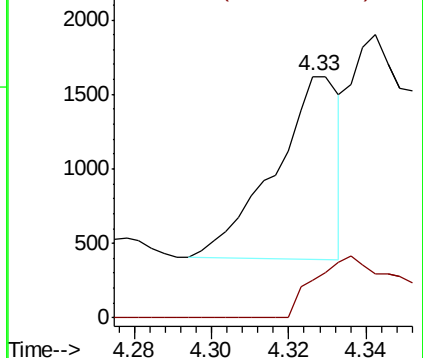


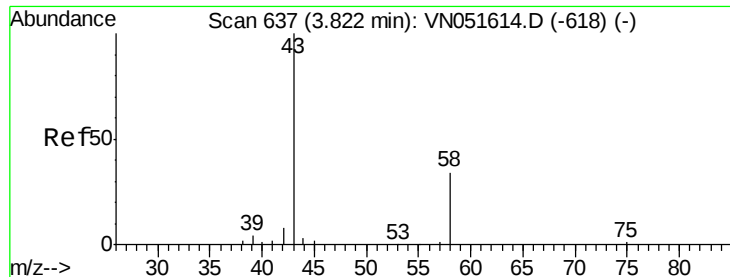
#12
Methyl Acetate
Concen: 0.286 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051642.D
Acq: 1 Oct 2018 16:56

Tgt Ion: 43 Resp: 1429
Ion Ratio Lower Upper
43 100
74 10.5 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#15

Acetone

Concen: 351.362 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN051642.D

Acq: 1 Oct 2018 16:56

Instrument :

MSVOA_N

ClientSampleId :

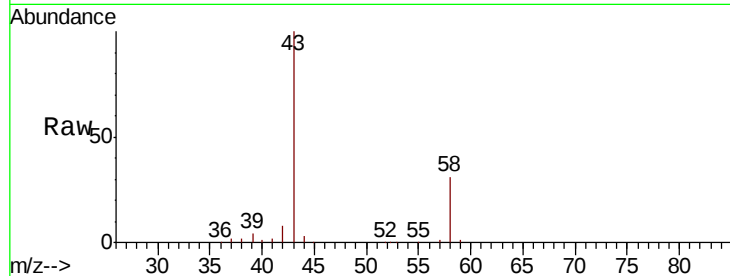
001-WILLETS-PT-BLVD(SEP)DL

Tot Ion: 58 Resp: 184140

Ion Ratio Lower Upper

58 100

43 317.1 238.0 357.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

250000

200000

150000

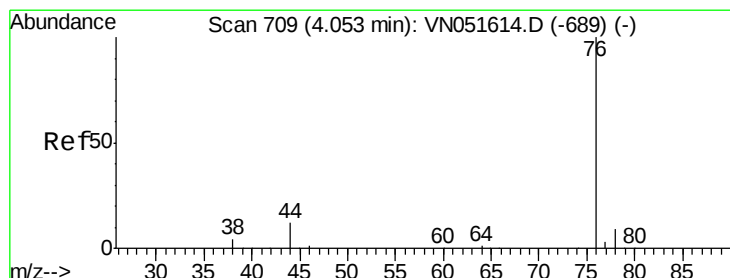
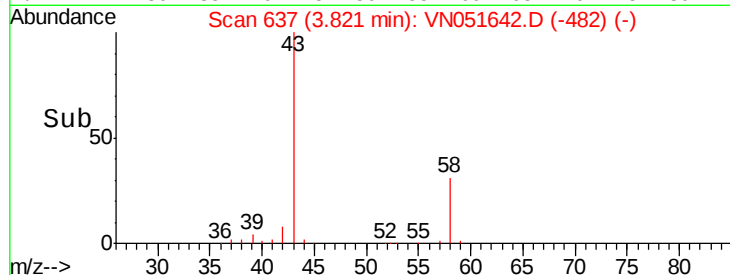
100000

50000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 0.305 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051642.D

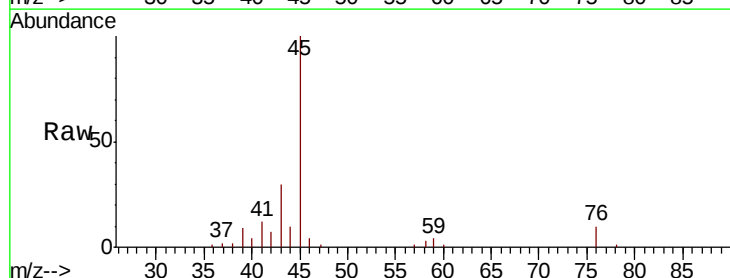
Acq: 1 Oct 2018 16:56

Tgt Ion: 76 Resp: 5562

Ion Ratio Lower Upper

76 100

78 6.4 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

2500

2000

1500

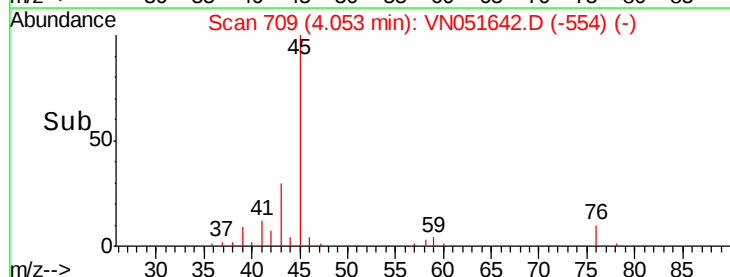
1000

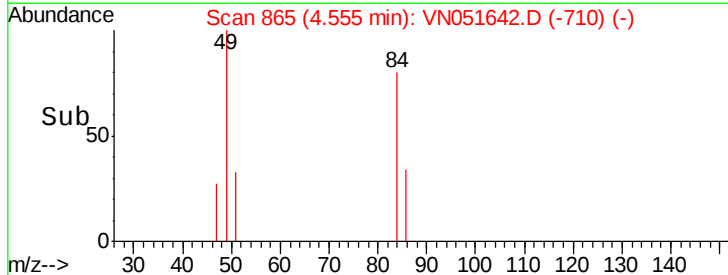
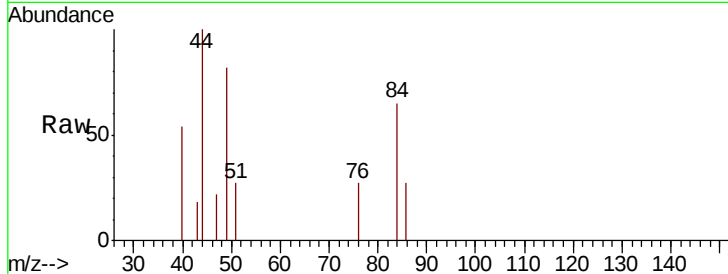
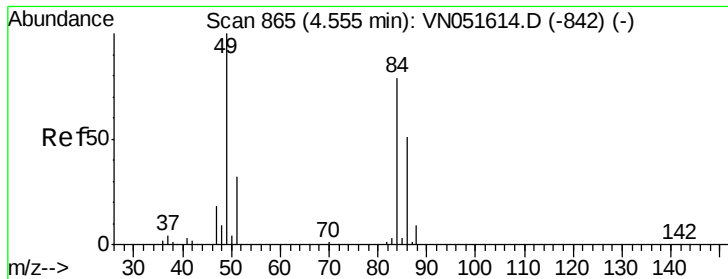
500

0

4.00 4.05 4.10

Time-->

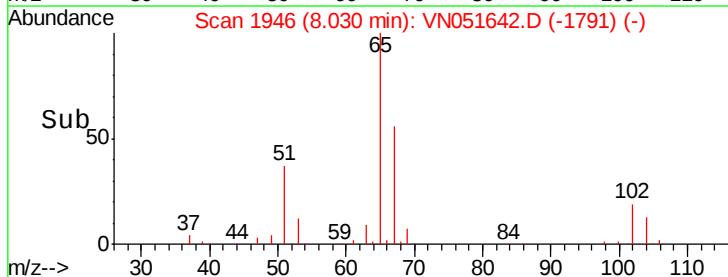
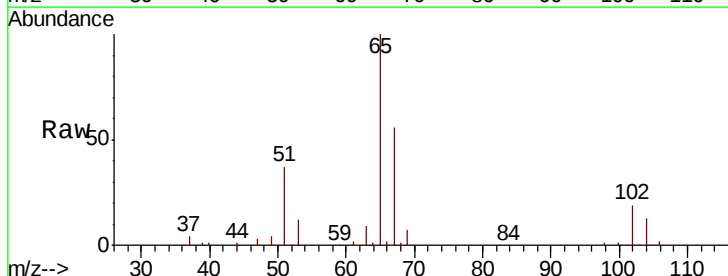
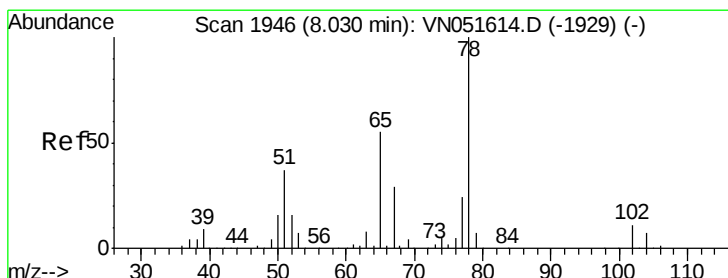
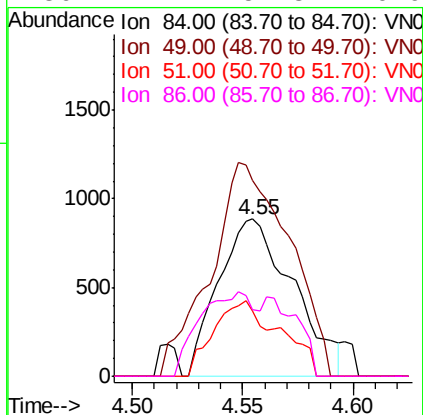




#18
Methvlene Chloride
Concen: 0.319 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051642.D
Acq: 1 Oct 2018 16:56

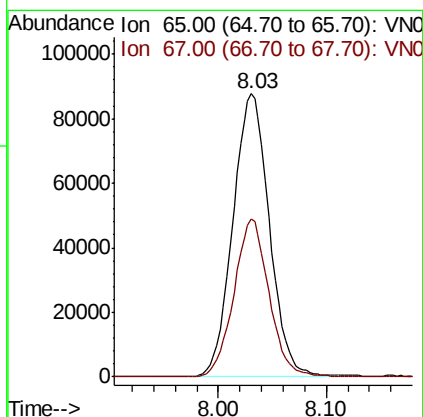
Instrument :
MSVOA_N
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001-WILLETS-PT-BLVD(SEP)DL

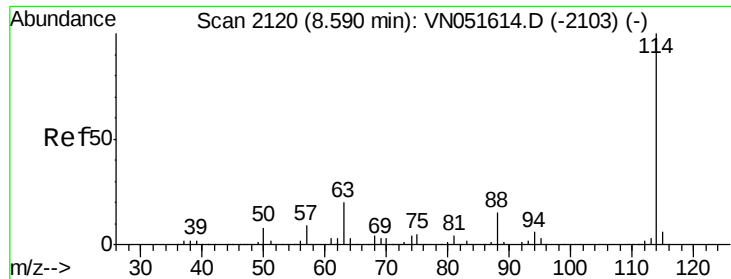
Tot Ion: 84 Resp: 2073
Ion Ratio Lower Upper
84 100
49 125.1 100.9 151.3
51 41.8 32.5 48.7
86 42.1 51.3 76.9#



#27
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VN051642.D
Acq: 1 Oct 2018 16:56

Tgt Ion: 65 Resp: 206339
Ion Ratio Lower Upper
65 100
67 53.7 43.1 64.7

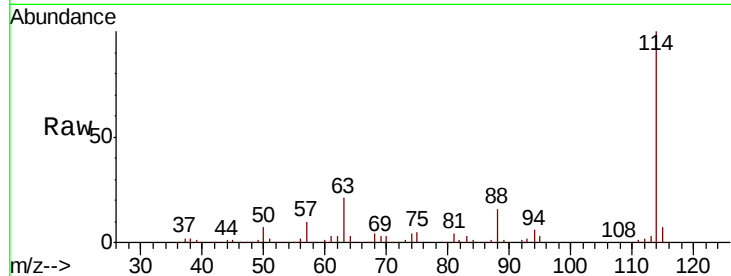




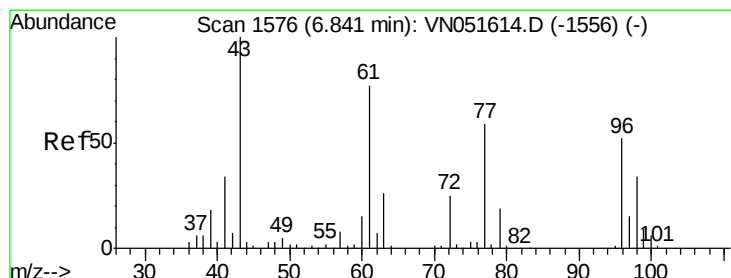
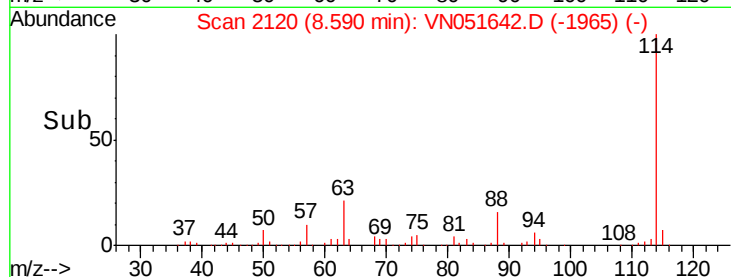
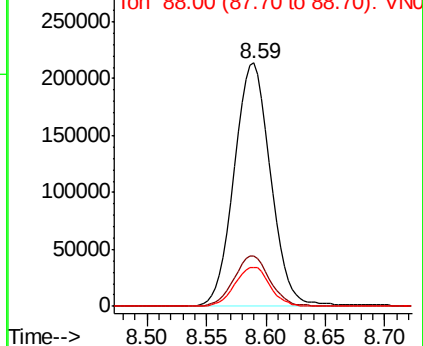
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. -0.00 min
 Lab File: VN051642.D
 Acq: 1 Oct 2018 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(SEP)DL

Tot Ion:114 Resp: 454296
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.4 24.6
 88 15.4 12.6 18.8

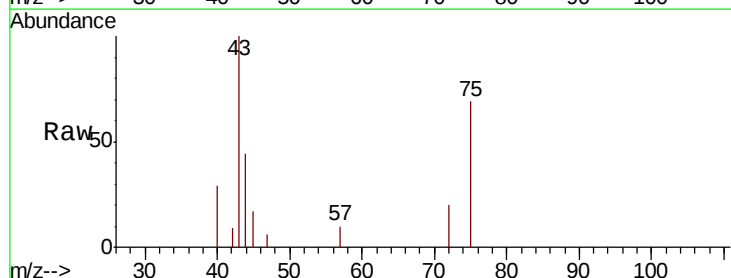


Abundance Ion 114.00 (113.70 to 114.70): VN051614.D (-2103) (-)
 Ion 63.00 (62.70 to 63.70): VN051614.D (-2103) (-)
 Ion 88.00 (87.70 to 88.70): VN051614.D (-2103) (-)

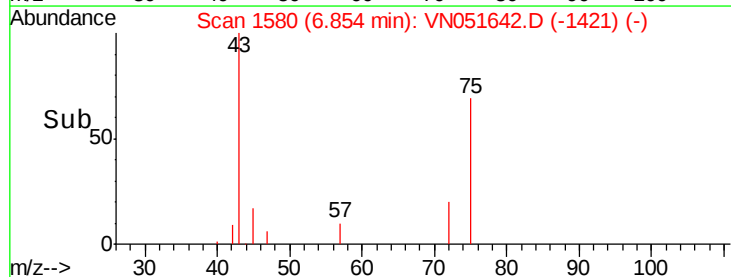
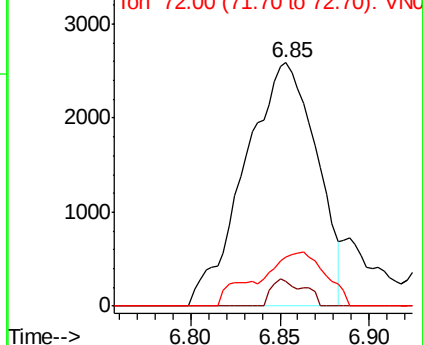


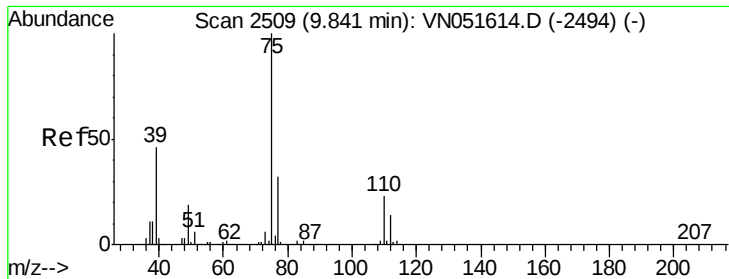
#30
 2-Butanone
 Concen: 3.441 ug/l
 RT: 6.85 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VN051642.D
 Acq: 1 Oct 2018 16:56

Tgt Ion: 43 Resp: 7254
 Ion Ratio Lower Upper
 43 100
 57 3.5 6.6 10.0#
 72 16.3 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN051614.D (-1556) (-)
 Ion 57.00 (56.70 to 57.70): VN051614.D (-1556) (-)
 Ion 72.00 (71.70 to 72.70): VN051614.D (-1556) (-)





#49

cis-1,3-Dichloropropene

Concen: 1.000 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.32 min

Lab File: VN051642.D

Acq: 1 Oct 2018 16:56

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(SEP)DL

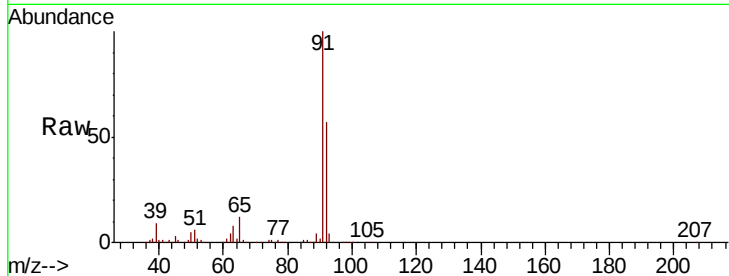
Tot Ion: 75 Resp: 8907

Ion Ratio Lower Upper

75 100

77 148.1 25.4 38.0#

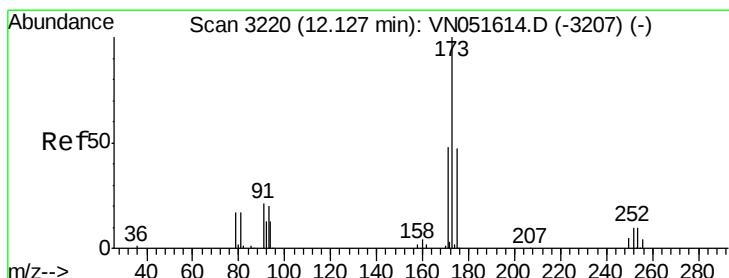
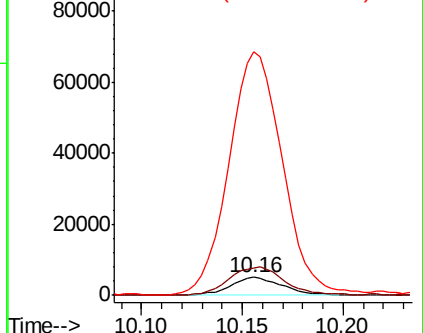
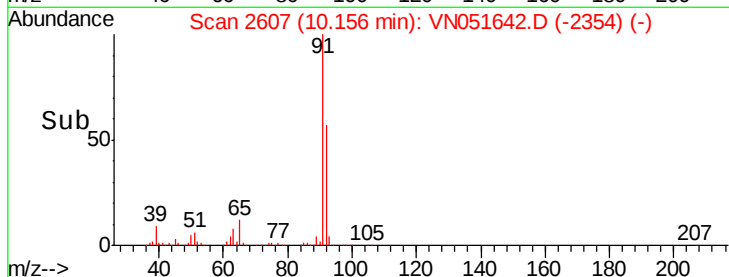
39 1342.8 36.6 55.0#



Abundance Ion 75.00 (74.70 to 75.70): VN051614.D (-2494) (-)

Ion 77.00 (76.70 to 77.70): VN051614.D (-2494) (-)

Ion 39.00 (38.70 to 39.70): VN051614.D (-2494) (-)



#56

Bromoform

Concen: 0.569 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN051642.D

Acq: 1 Oct 2018 16:56

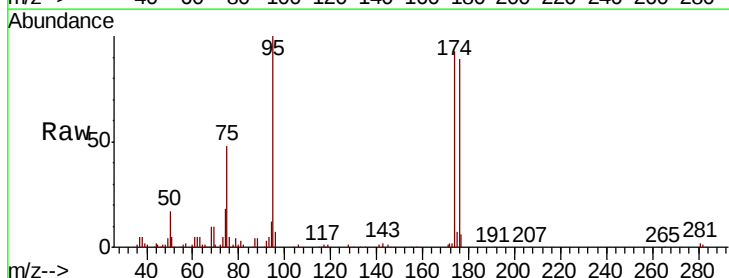
Tgt Ion: 173 Resp: 2126

Ion Ratio Lower Upper

173 100

175 469.4 39.0 58.4#

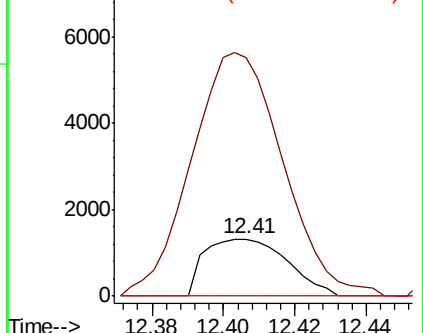
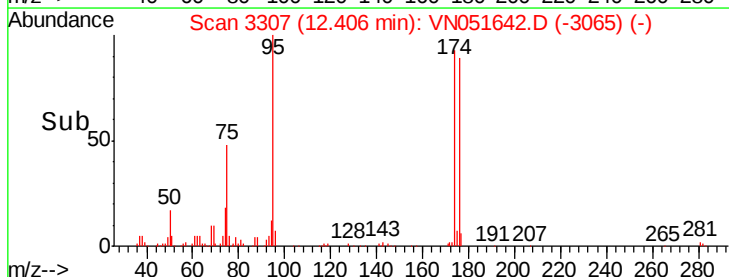
254 0.0 8.7 13.1#

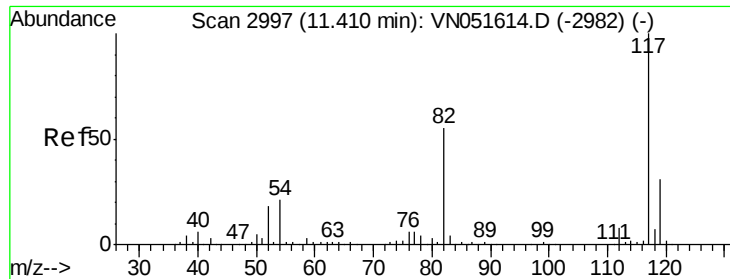


Abundance Ion 173.00 (172.70 to 173.70): VN051614.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN051614.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN051614.D (-3207) (-)

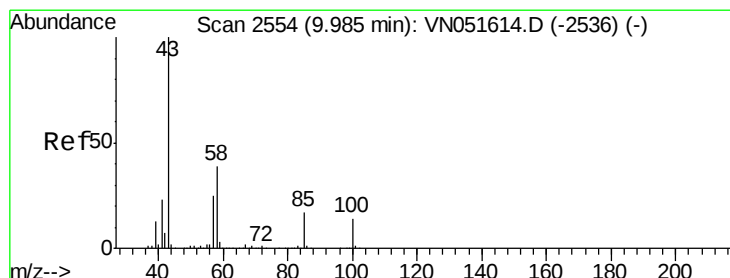
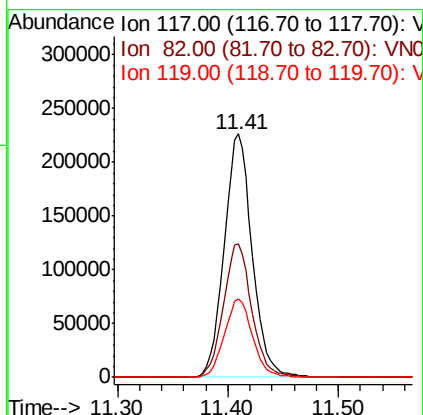
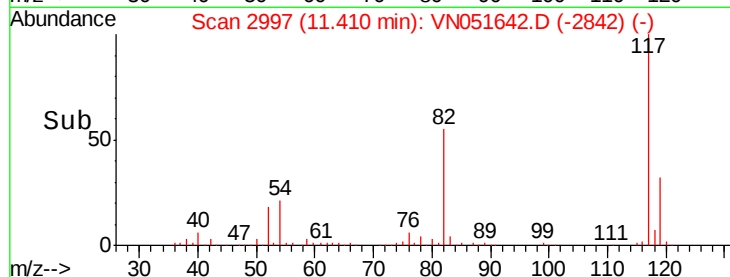
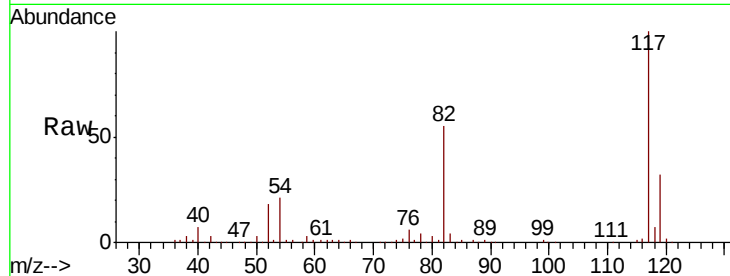




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN051642.D
Acq: 1 Oct 2018 16:56

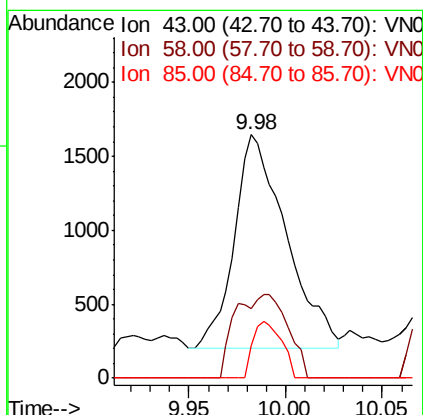
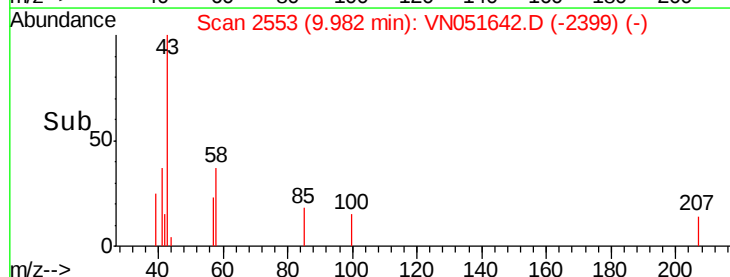
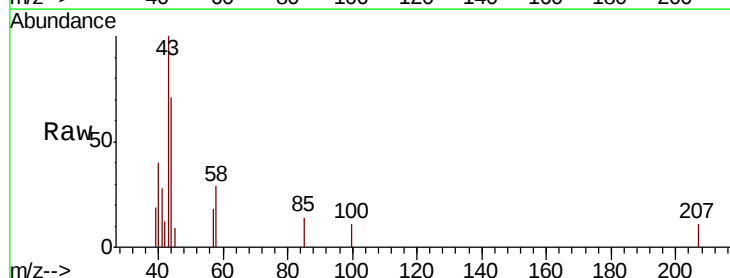
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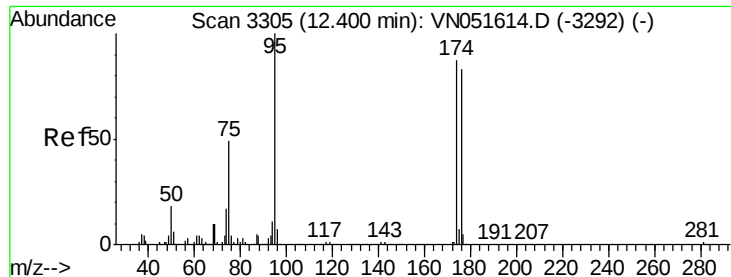
Tot Ion:117 Resp: 397906
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 32.4 25.2 37.8



#58
4-Methyl-2-Pentanone
Concen: 0.598 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051642.D
Acq: 1 Oct 2018 16:56

Tgt Ion: 43 Resp: 2702
Ion Ratio Lower Upper
43 100
58 24.2 31.0 46.4#
85 14.7 13.4 20.2

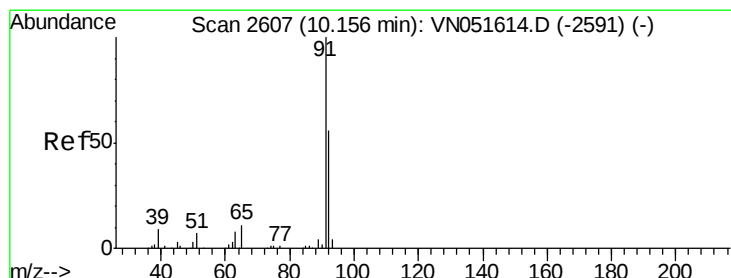
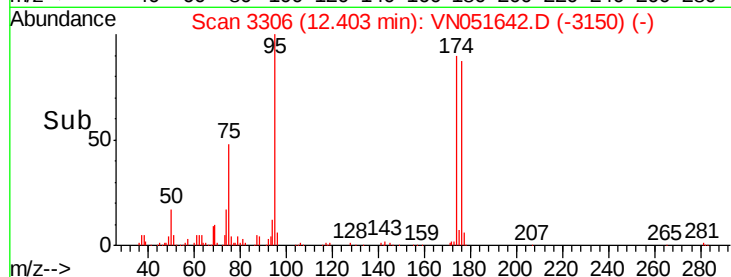
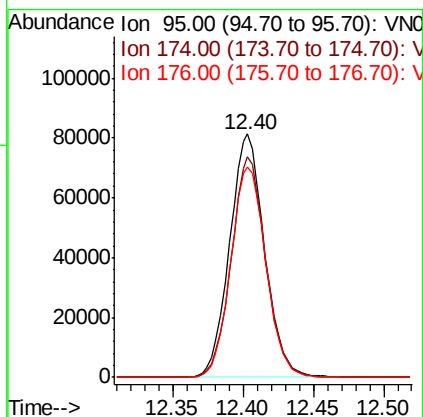
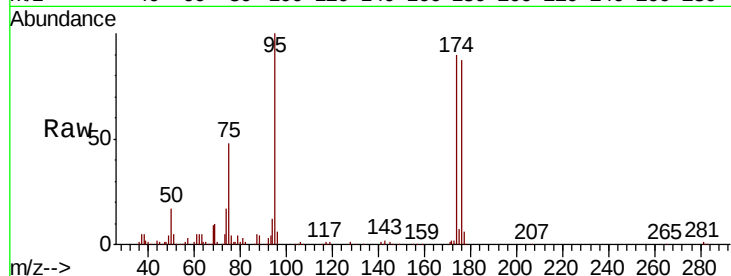




#60
 4-Bromofluorobenzene
 Concen: Below ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051642.D
 Acq: 1 Oct 2018 16:56

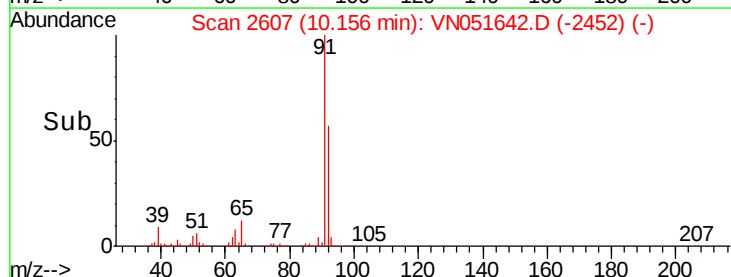
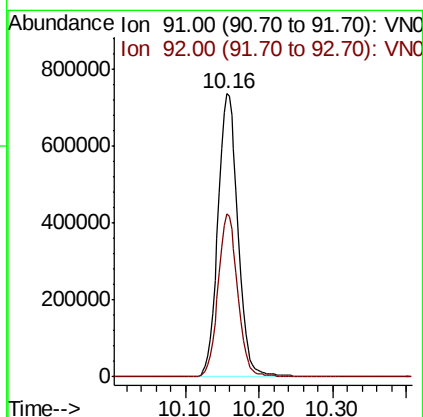
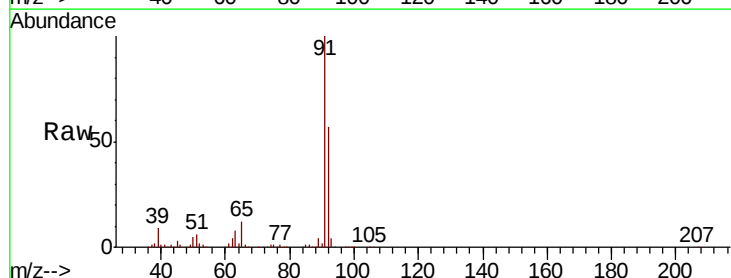
Instrument :
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 001-WILLETS-PT-BLVD(SEP)DL

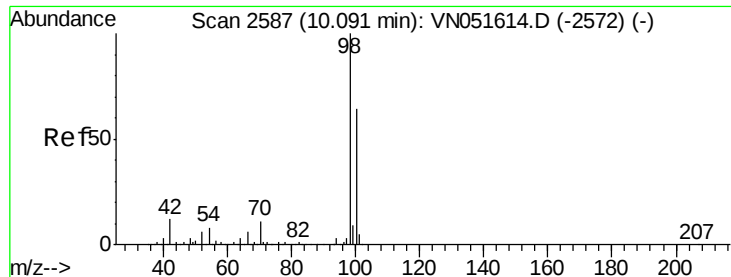
Tot Ion: 95 Resp: 141164
 Ion Ratio Lower Upper
 95 100
 174 88.8 71.2 106.8
 176 87.0 67.8 101.8



#62
 Toluene
 Concen: 56.695 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051642.D
 Acq: 1 Oct 2018 16:56

Tgt Ion: 91 Resp: 1383279
 Ion Ratio Lower Upper
 91 100
 92 56.5 45.3 67.9





#63

Toluene-d8

Concen: 56.695 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN051642.D

Acq: 1 Oct 2018 16:56

Instrument :

MSVOA_N

ClientSampleId :

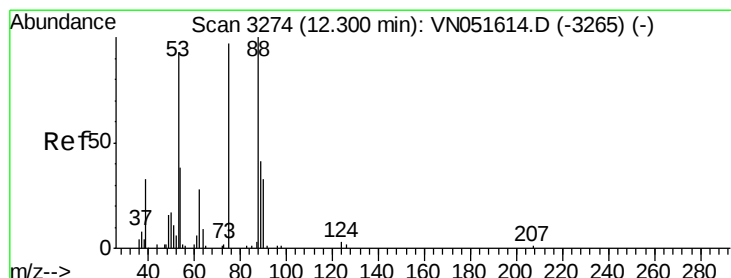
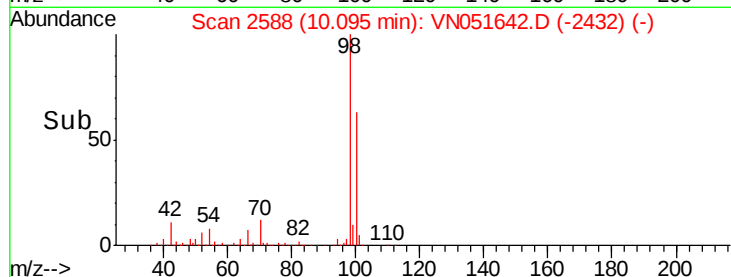
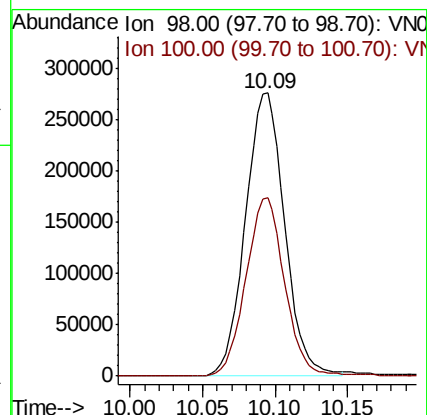
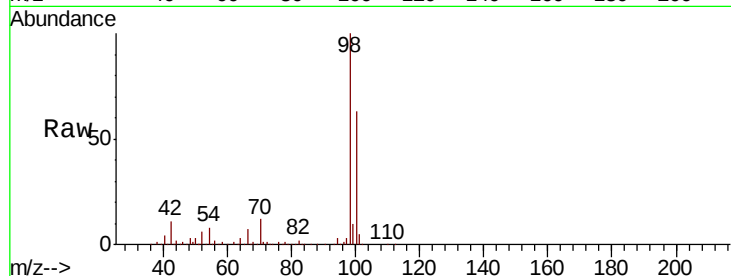
001-WILLETS-PT-BLVD(SEP)DL

Tot Ion: 98 Resp: 519920

Ion Ratio Lower Upper

98 100

100 62.5 51.4 77.0



#77

t-1,4-Dichloro-2-butene

Concen: 42.719 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051642.D

Acq: 1 Oct 2018 16:56

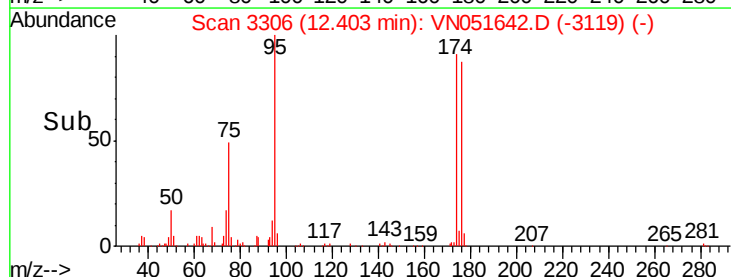
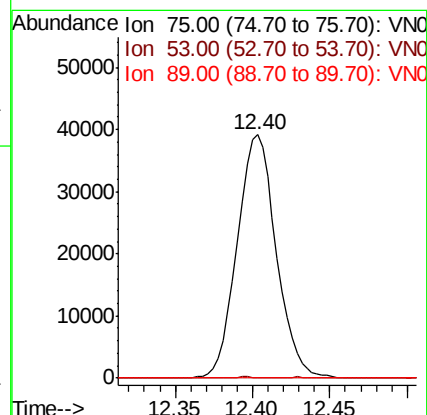
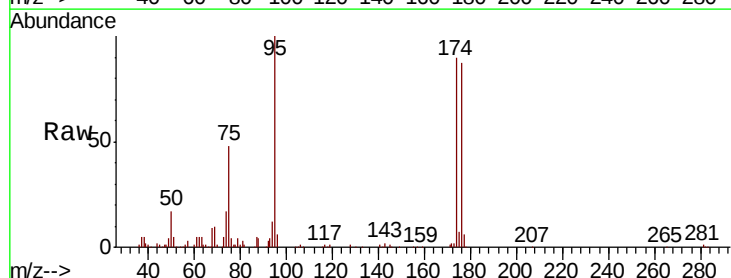
Tgt Ion: 75 Resp: 68581

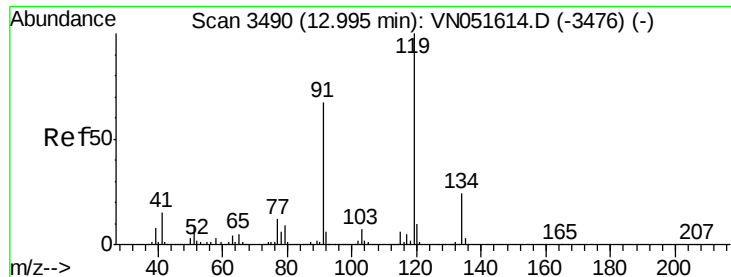
Ion Ratio Lower Upper

75 100

53 0.0 48.1 144.4#

89 0.0 22.4 67.3#

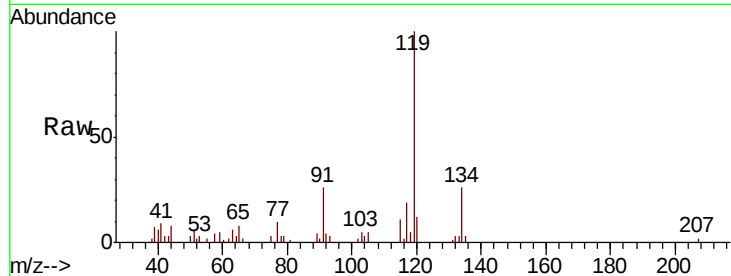




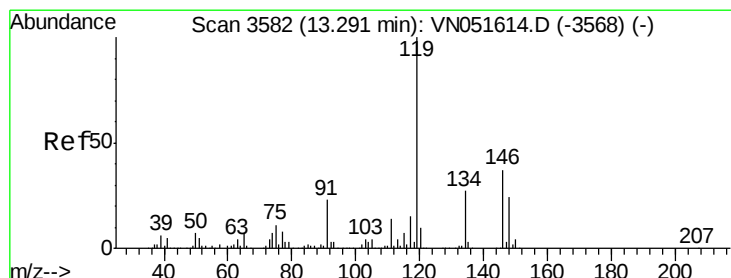
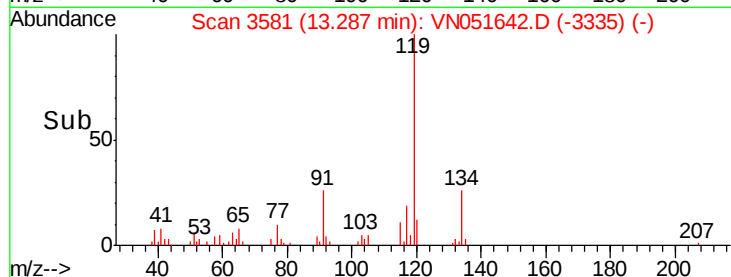
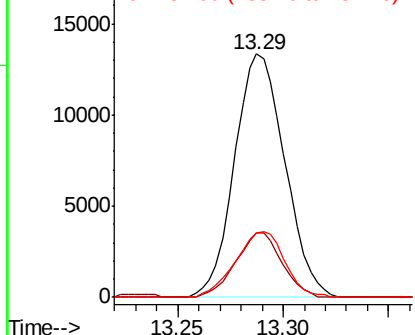
#79
tert-butylbenzene
Concen: 1.245 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.29 min
Lab File: VN051642.D
Acq: 1 Oct 2018 16:56

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)DL

Tot Ion:119 Resp: 22089
Ion Ratio Lower Upper
119 100
91 24.3 0.0 132.4
134 26.5 0.0 48.4

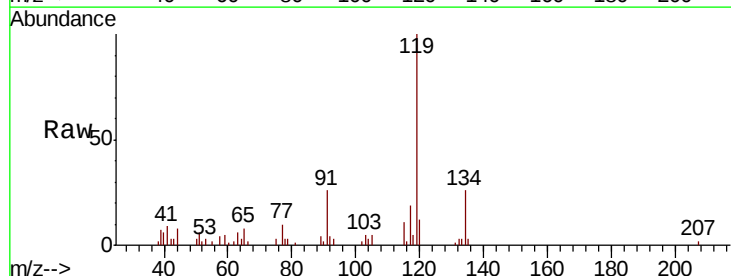


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

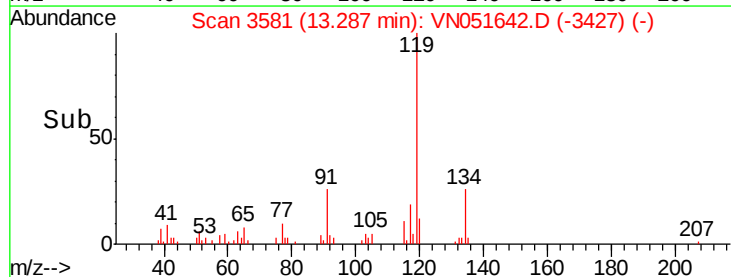
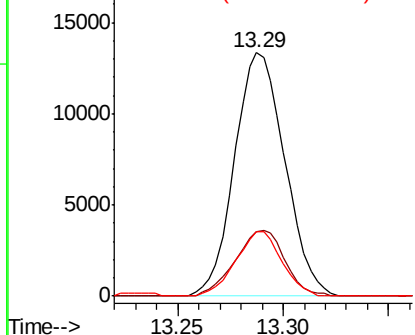


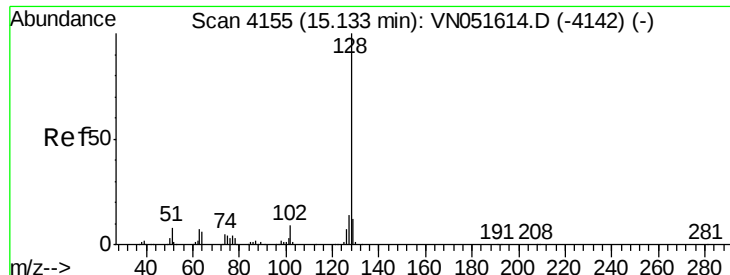
#82
p-Isopropyltoluene
Concen: 1.055 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN051642.D
Acq: 1 Oct 2018 16:56

Tgt Ion:119 Resp: 22089
Ion Ratio Lower Upper
119 100
134 26.5 0.0 52.0
91 24.3 0.0 46.0



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





#91

Naphthalene

Concen: 8.281 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051642.D

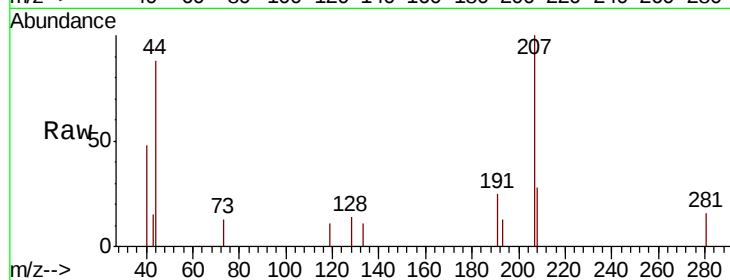
Acq: 1 Oct 2018 16:56

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(SEP)DL



Tot Ion:128 Resp: 119

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 9.1 13.7#

