

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051639.D
 Acq On : 1 Oct 2018 15:42
 Operator : MD\SY
 Sample : J5166-01DL 5X
 Misc : Sample
 ALS Vial : 15 Sample Multiplier: 28

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

Quant Time: Oct 02 01:02:22 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	97588	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	476038	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	414127	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	206954	30.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.53%
60) 4-Bromofluorobenzene	12.40	95	144491	22.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	75.63%
63) Toluene-d8	10.09	98	545704	27.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	93.10%

Target Compounds

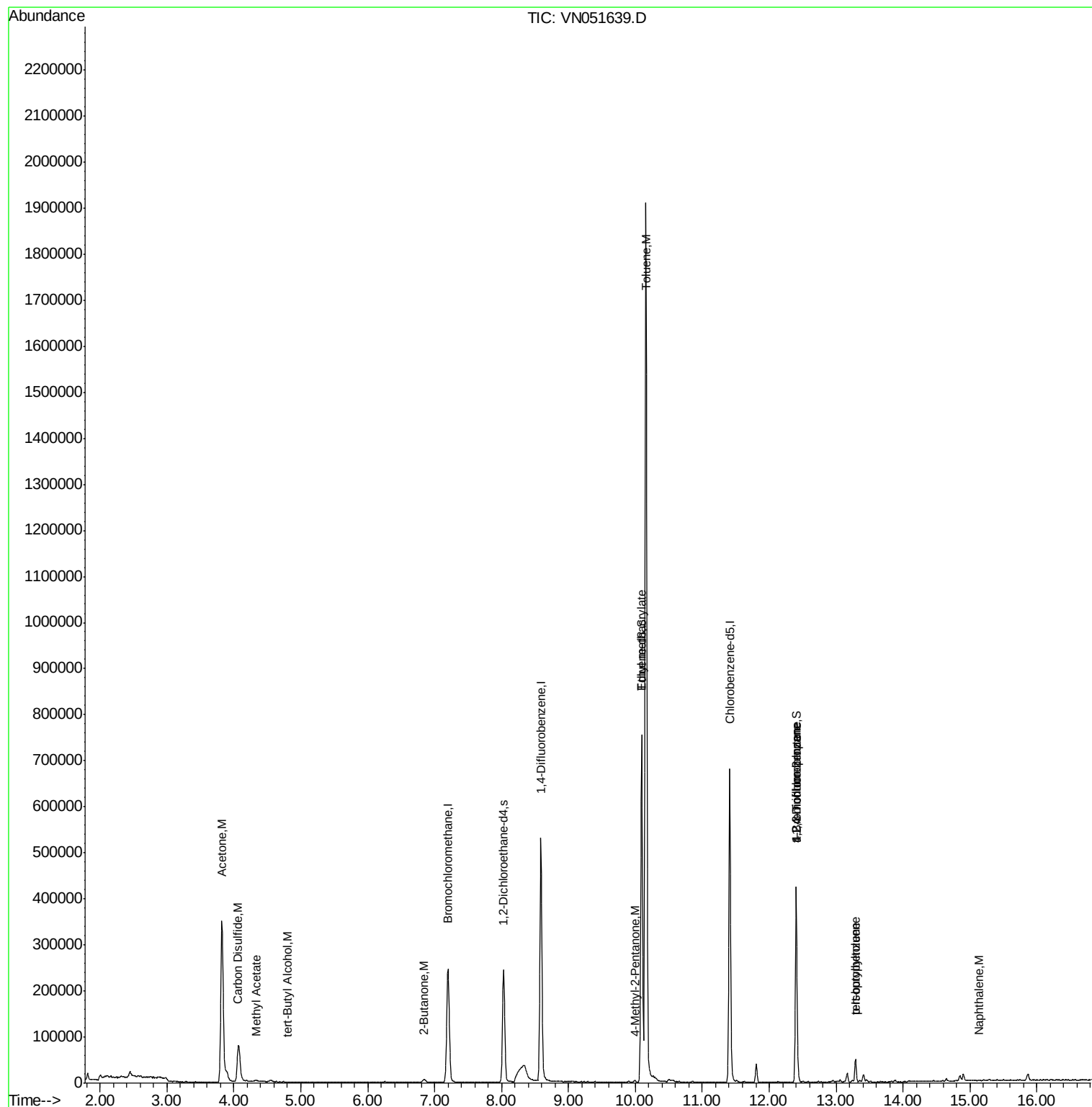
					Ovalue	
12) Methyl Acetate	4.34	43	1650	0.317	ug/l #	66
15) Acetone	3.82	58	193319	354.021	ug/l	91
16) Carbon Disulfide	4.05	76	10101	0.532	ug/l #	93
23) tert-Butyl Alcohol	4.80	59	114	0.286	ug/l #	100
30) 2-Butanone	6.85	43	7935	3.592	ug/l #	61
51) Ethyl methacrylate	10.09	69	2358	0.375	ug/l	77
58) 4-Methyl-2-Pentanone	9.99	43	3683	0.783	ug/l #	77
62) Toluene	10.16	91	1528478	60.193	ug/l	99
72) 1,2,3-Trichloropropane	12.40	75	70647	13.391	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	70647	42.282	ug/l #	11
79) tert-butylbenzene	13.29	119	24067	1.303	ug/l	62
82) p-Isopropyltoluene	13.29	119	24067	1.104	ug/l	96
91) Naphthalene	15.14	128	390	8.299	ug/l #	68

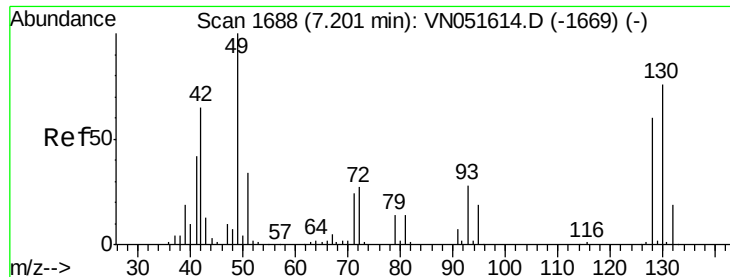
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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001-WILLETS-PT-BLVD(AUG)DL

Quant Time: Oct 02 01:02:22 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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051639.D

Acq: 1 Oct 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(AUG)DL

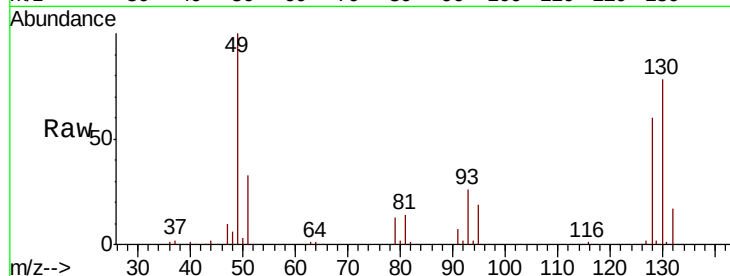
Tot Ion:128 Resp: 97588

Ion Ratio Lower Upper

128 100

49 168.7 0.0 426.8

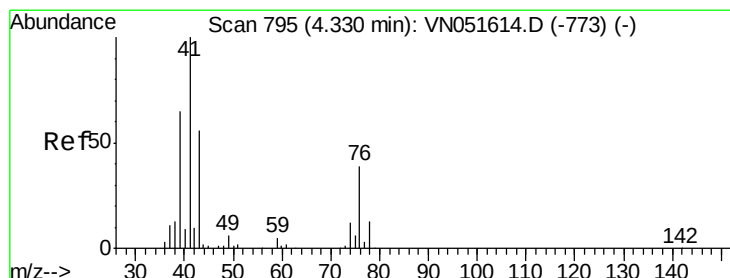
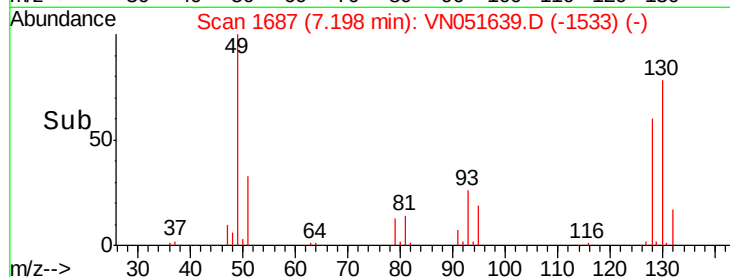
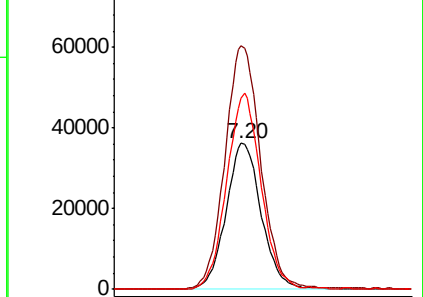
130 130.3 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#12

Methyl Acetate

Concen: 0.317 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN051639.D

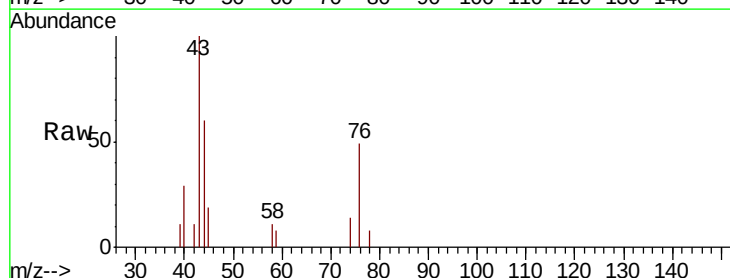
Acq: 1 Oct 2018 15:42

Tgt Ion: 43 Resp: 1650

Ion Ratio Lower Upper

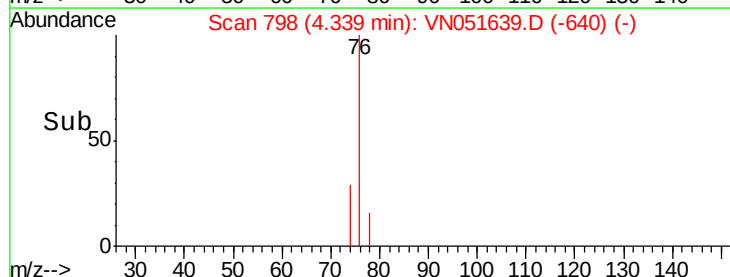
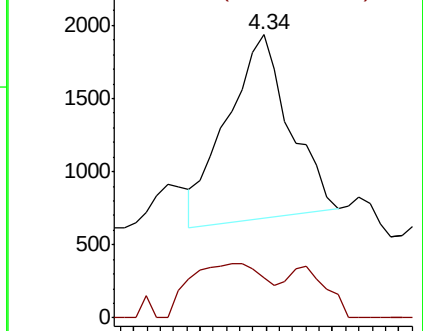
43 100

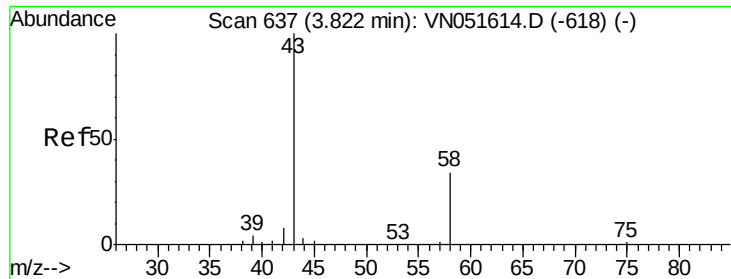
74 5.3 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 74.00 (73.70 to 74.70): VN





#15

Acetone

Concen: 354.021 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN051639.D

Acq: 1 Oct 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

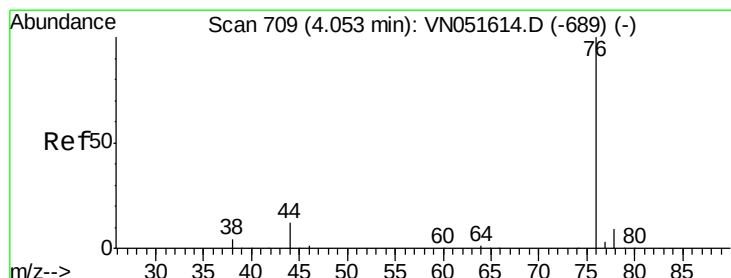
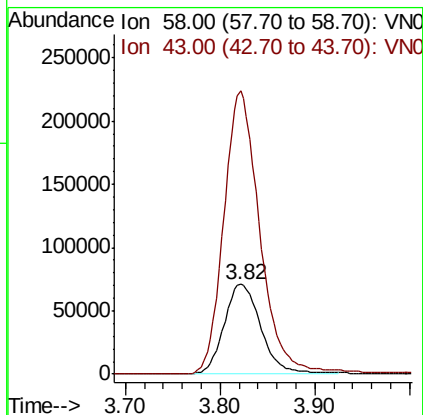
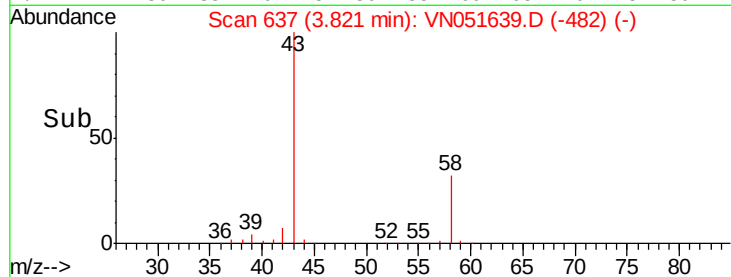
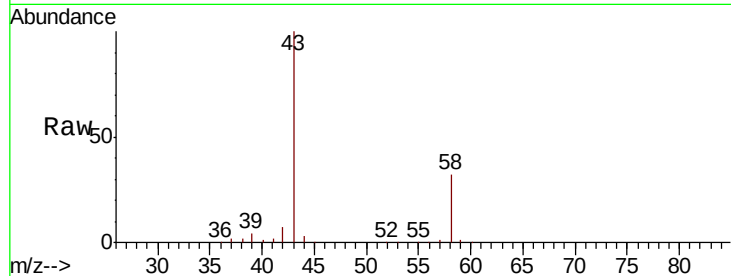
001-WILLETS-PT-BLVD(AUG)DL

Tot Ion: 58 Resp: 193319

Ion Ratio Lower Upper

58 100

43 314.5 238.0 357.0



#16

Carbon Disulfide

Concen: 0.532 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051639.D

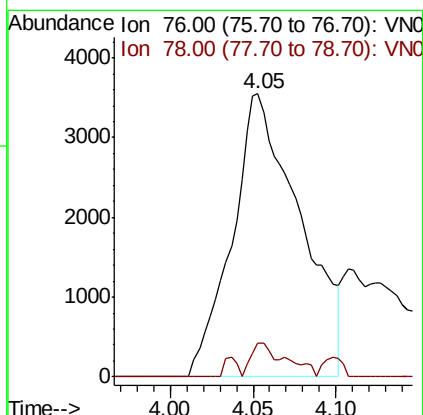
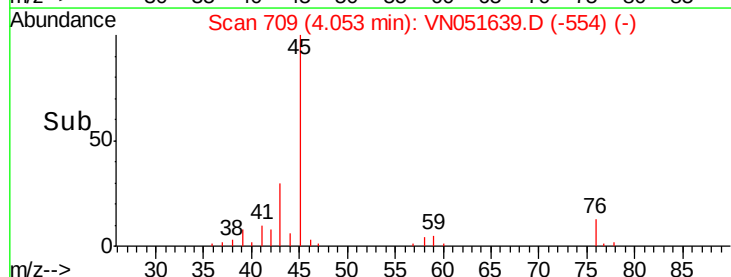
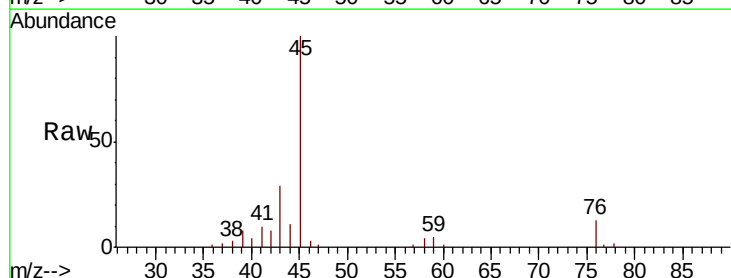
Acq: 1 Oct 2018 15:42

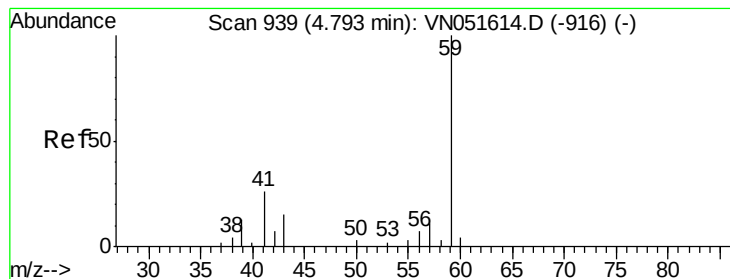
Tgt Ion: 76 Resp: 10101

Ion Ratio Lower Upper

76 100

78 11.7 7.3 10.9#



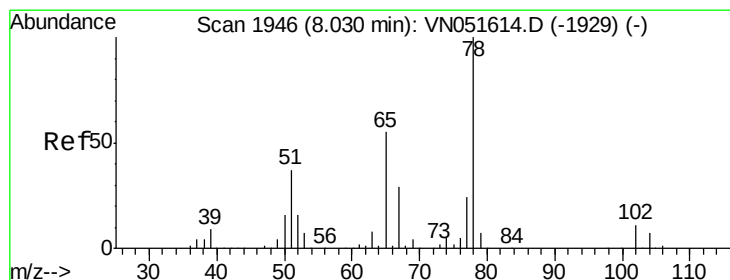
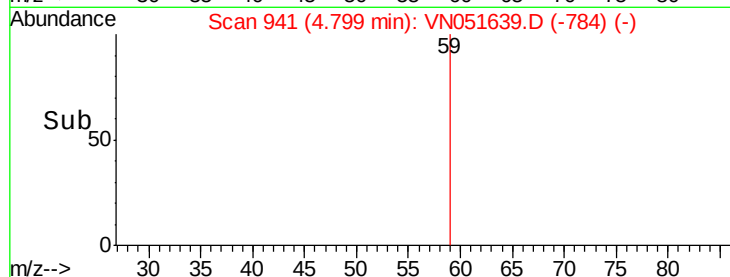
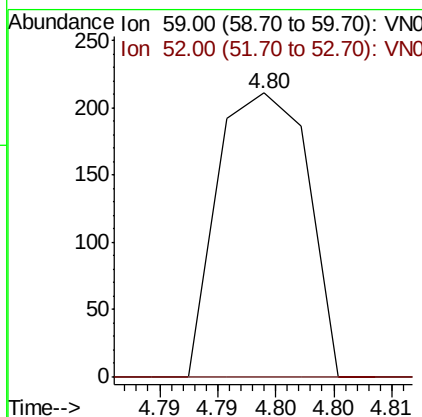
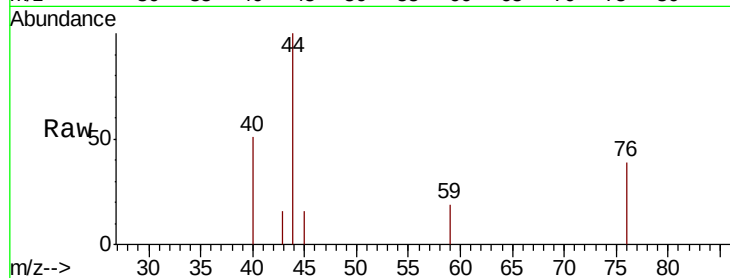


#23

tert-Butyl Alcohol
 Concen: 0.286 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN051639.D
 Acq: 1 Oct 2018 15:42

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

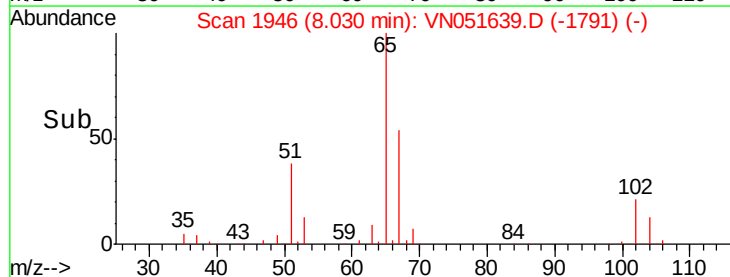
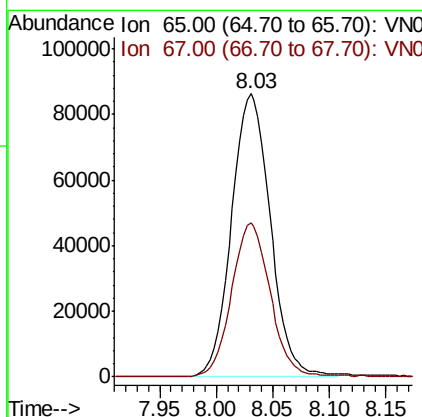
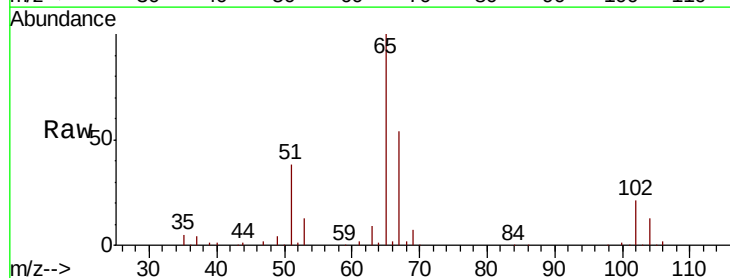
Tot Ion: 59 Resp: 114
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

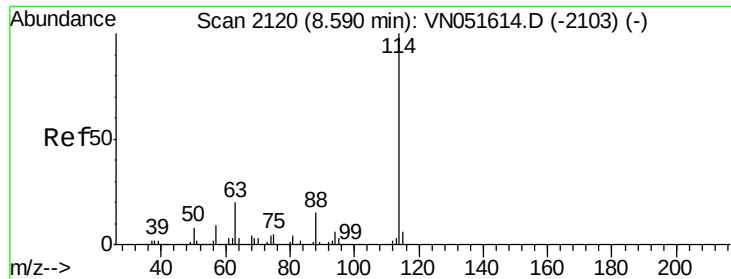


#27

1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051639.D
 Acq: 1 Oct 2018 15:42

Tgt Ion: 65 Resp: 206954
 Ion Ratio Lower Upper
 65 100
 67 53.9 43.1 64.7

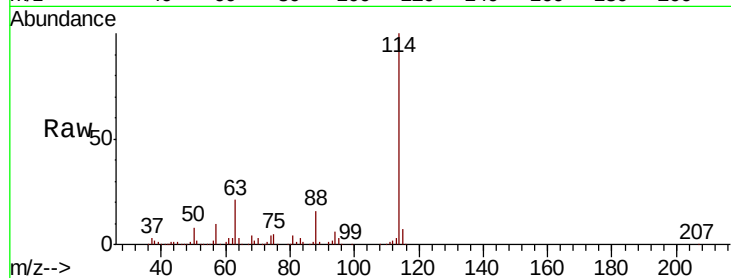




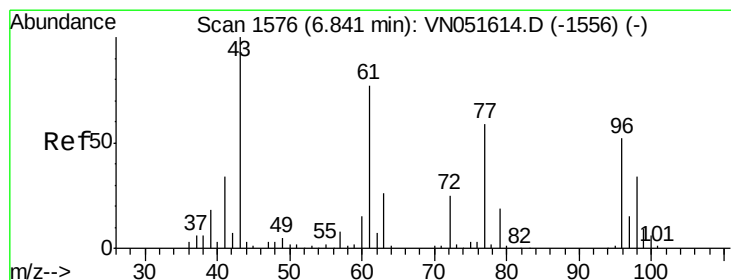
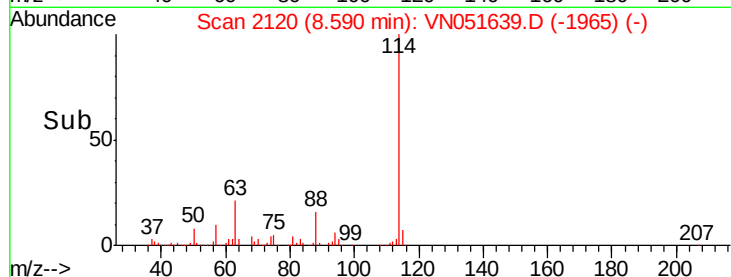
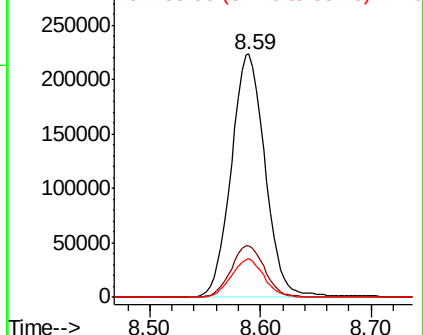
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. -0.00 min
 Lab File: VN051639.D
 Acq: 1 Oct 2018 15:42

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

Tot Ion:114 Resp: 476038
 Ion Ratio Lower Upper
 114 100
 63 21.1 16.4 24.6
 88 15.3 12.6 18.8

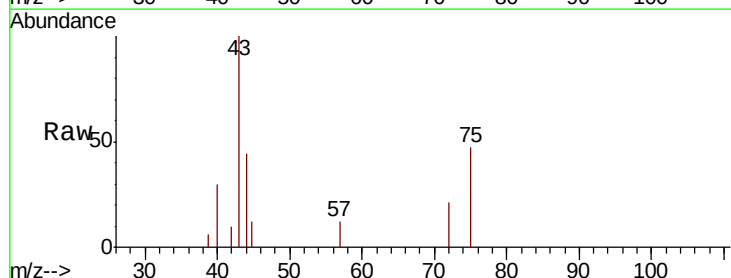


Abundance Ion 114.00 (113.70 to 114.70): VN051614.D (-2103) (-)
 Ion 63.00 (62.70 to 63.70): VN051614.D (-2103) (-)
 Ion 88.00 (87.70 to 88.70): VN051614.D (-2103) (-)

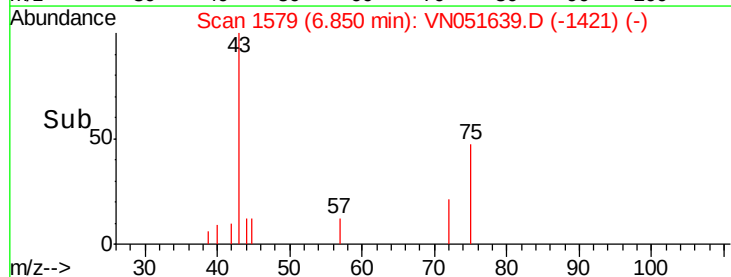
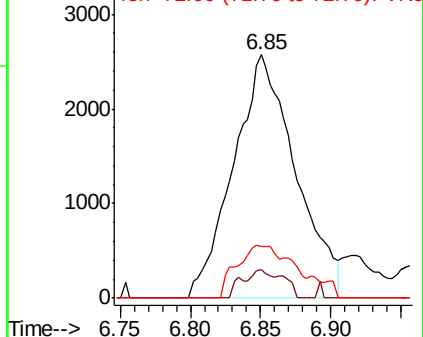


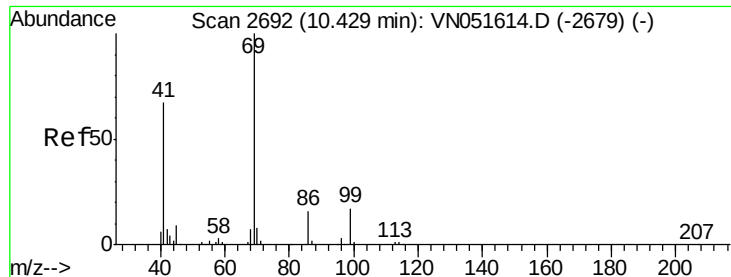
#30
 2-Butanone
 Concen: 3.592 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: VN051639.D
 Acq: 1 Oct 2018 15:42

Tgt Ion: 43 Resp: 7935
 Ion Ratio Lower Upper
 43 100
 57 1.8 6.6 10.0#
 72 2.5 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) (-)

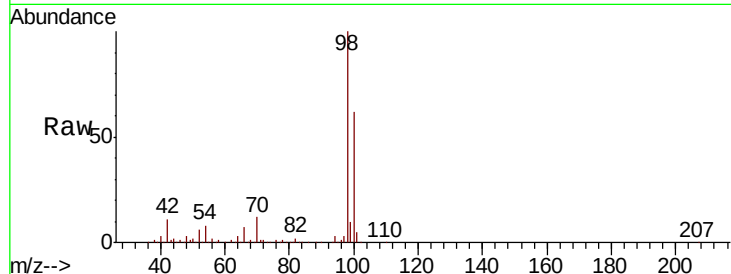




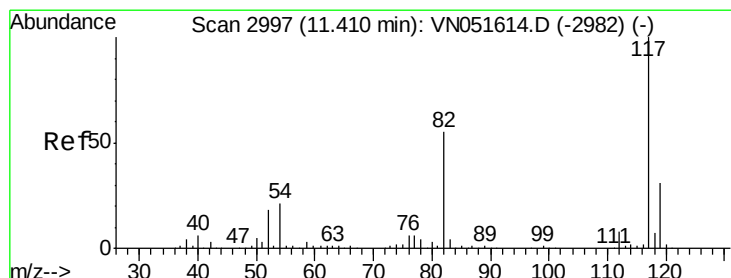
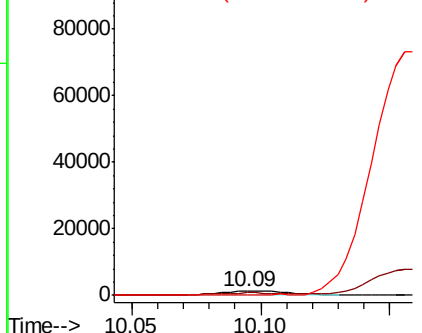
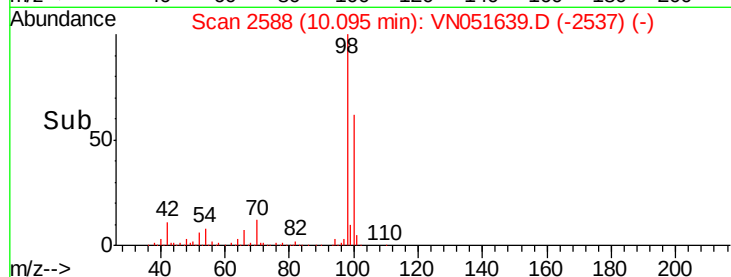
#51
Ethyl methacrylate
Concen: 0.375 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. -0.33 min
Lab File: VN051639.D
Acq: 1 Oct 2018 15:42

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

Tot Ion: 69 Resp: 2358
Ion Ratio Lower Upper
69 100
41 46.4 33.3 99.8
39 24.3 17.2 51.6

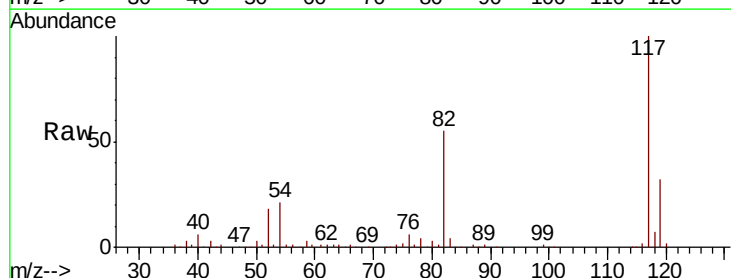


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

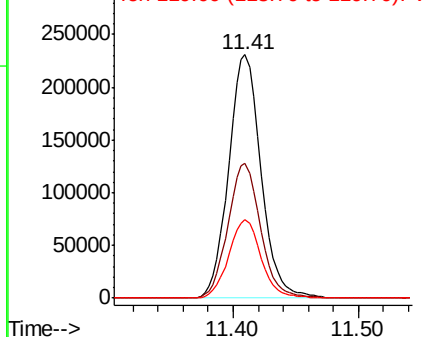
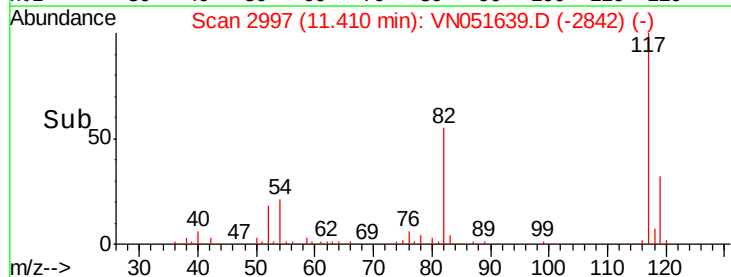


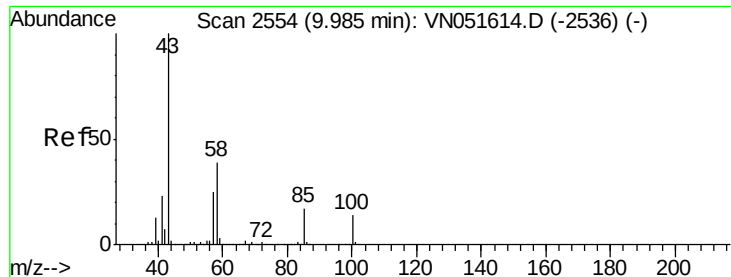
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN051639.D
Acq: 1 Oct 2018 15:42

Tgt Ion: 117 Resp: 414127
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 32.3 25.2 37.8



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 119.00 (118.70 to 119.70): V

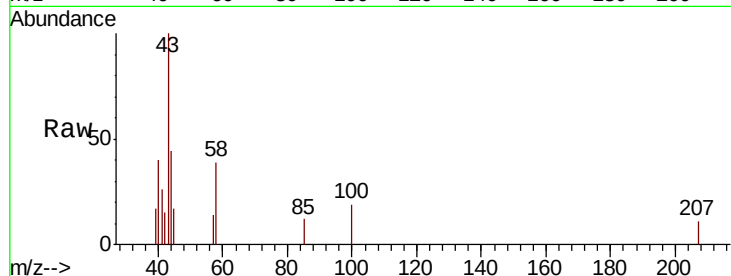




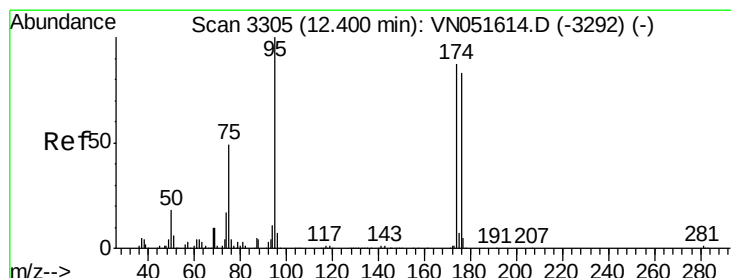
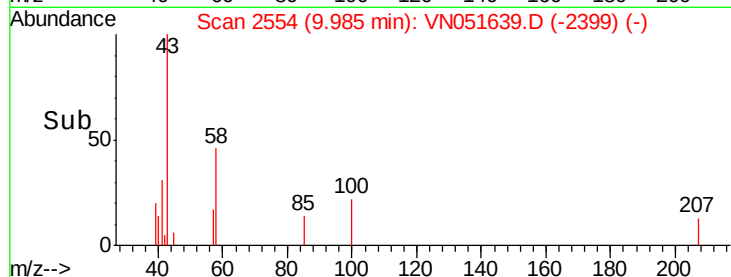
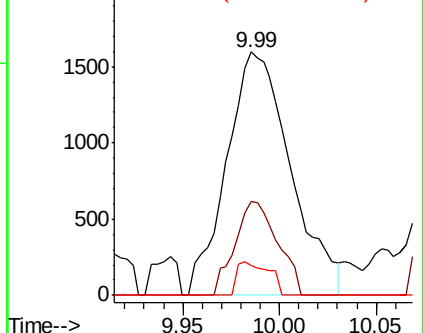
#58
4-Methyl-2-Pentanone
Concen: 0.783 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051639.D
Acq: 1 Oct 2018 15:42

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

Tot Ion: 43 Resp: 3683
Ion Ratio Lower Upper
43 100
58 25.7 31.0 46.4#
85 5.9 13.4 20.2#

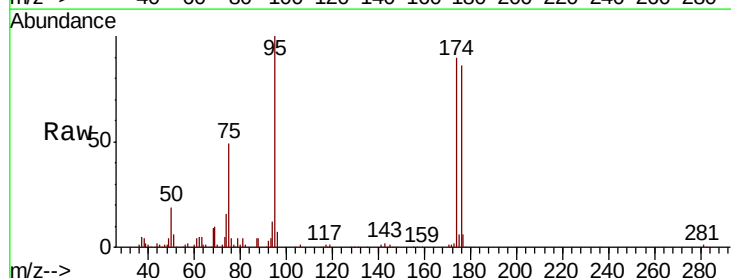


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

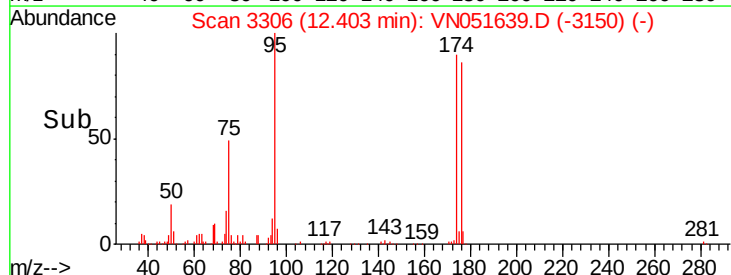
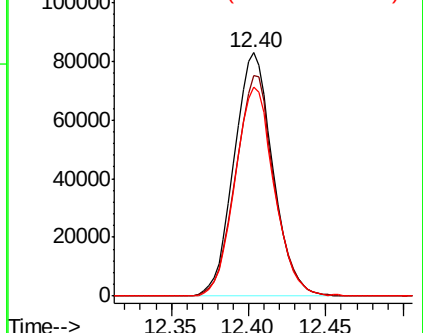


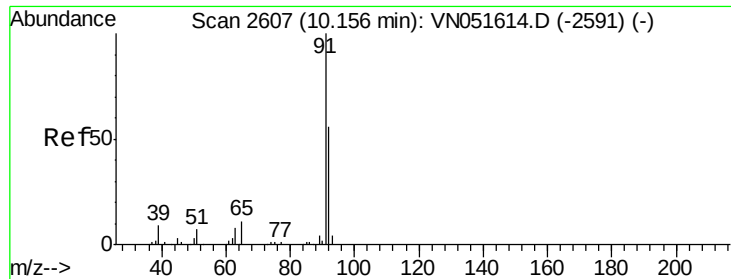
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051639.D
Acq: 1 Oct 2018 15:42

Tgt Ion: 95 Resp: 144491
Ion Ratio Lower Upper
95 100
174 90.0 71.2 106.8
176 86.4 67.8 101.8



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: 60.193 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051639.D

Acq: 1 Oct 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

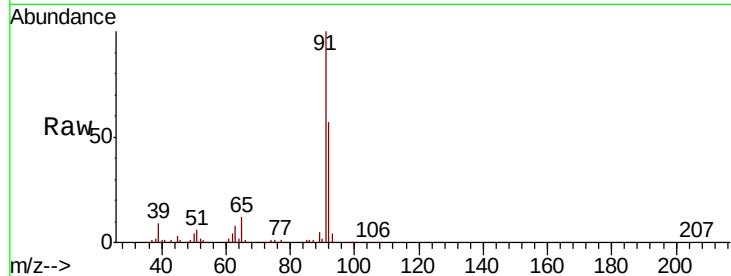
001-WILLETS-PT-BLVD(AUG)DL

Tot Ion: 91 Resp: 1528478

Ion Ratio Lower Upper

91 100

92 56.2 45.3 67.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

10.16

800000

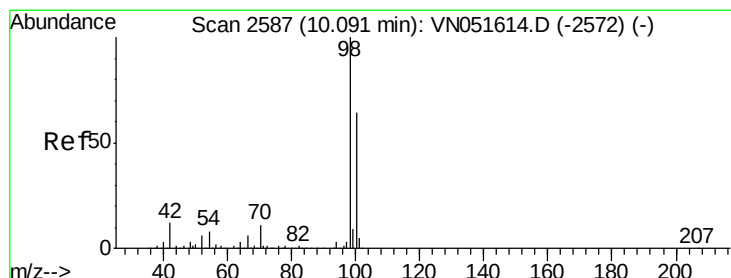
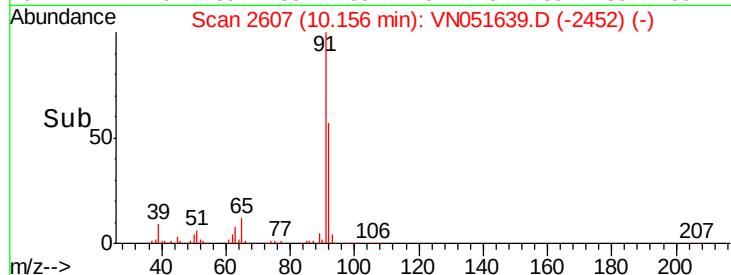
600000

400000

200000

0

Time-->



#63

Toluene-d8

Concen: 60.193 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051639.D

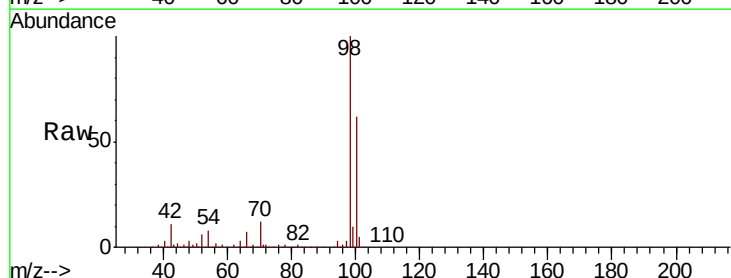
Acq: 1 Oct 2018 15:42

Tgt Ion: 98 Resp: 545704

Ion Ratio Lower Upper

98 100

100 62.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.09

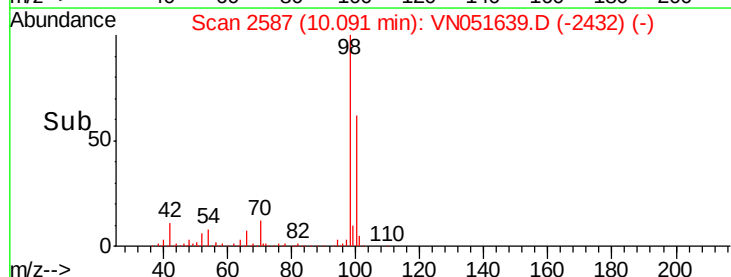
300000

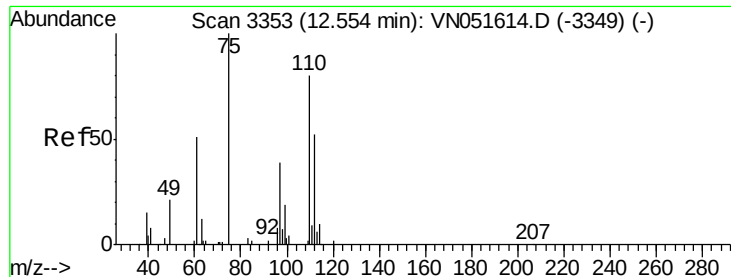
200000

100000

0

Time-->





#72

1,2,3-Trichloropropane

Concen: 13.391 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051639.D

Acq: 1 Oct 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

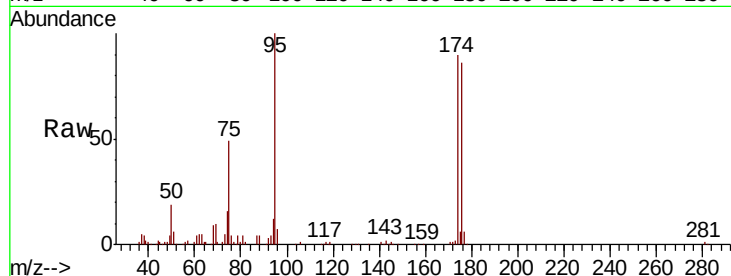
001-WILLETS-PT-BLVD(AUG)DL

Tot Ion: 75 Resp: 70647

Ion Ratio Lower Upper

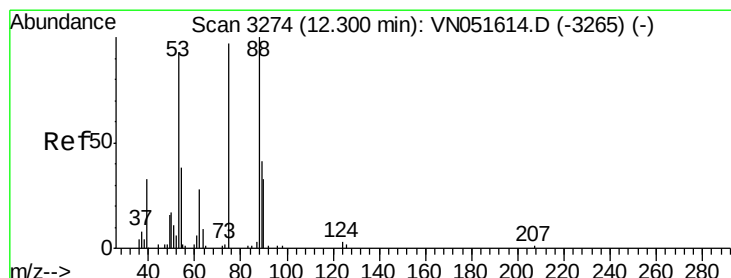
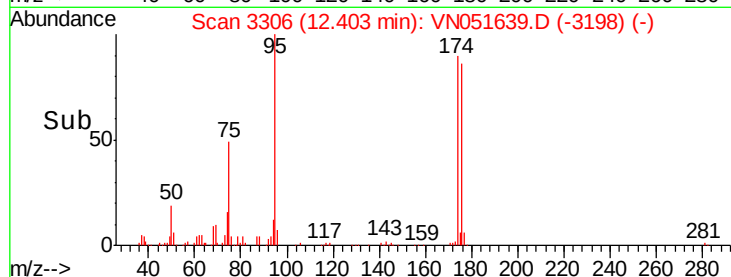
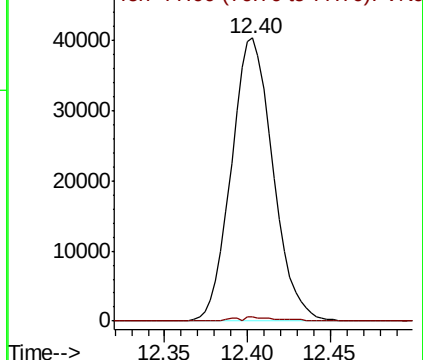
75 100

77 0.9 0.0 492.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

t-1,4-Dichloro-2-butene

Concen: 42.282 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051639.D

Acq: 1 Oct 2018 15:42

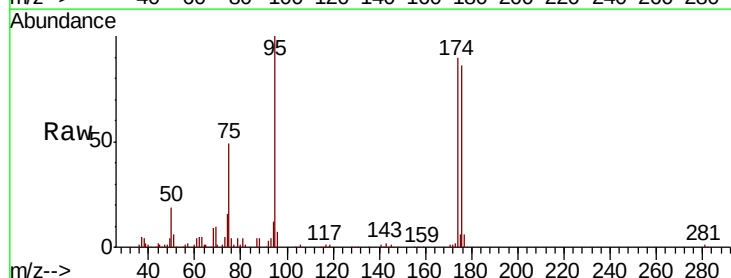
Tgt Ion: 75 Resp: 70647

Ion Ratio Lower Upper

75 100

53 0.0 48.1 144.4#

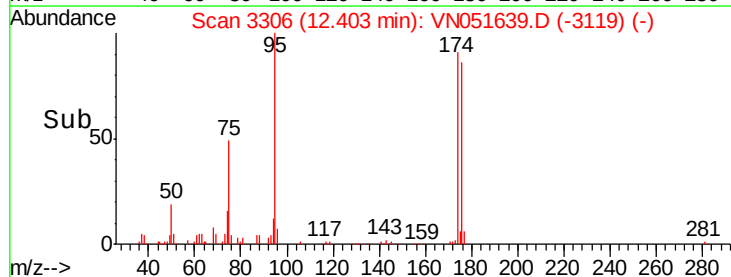
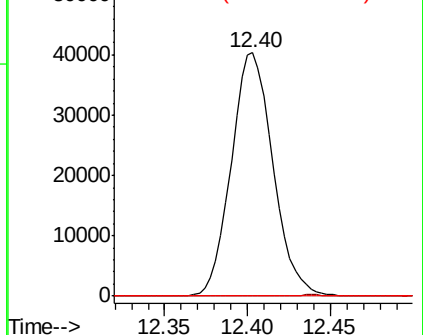
89 0.0 22.4 67.3#

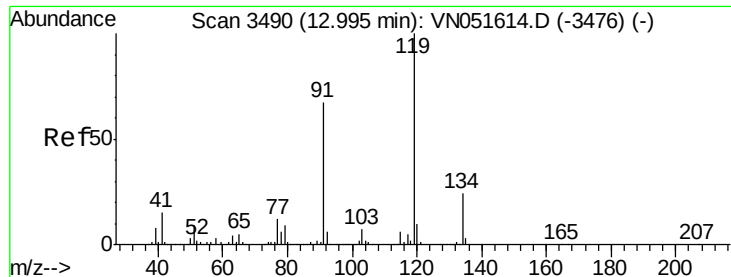


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

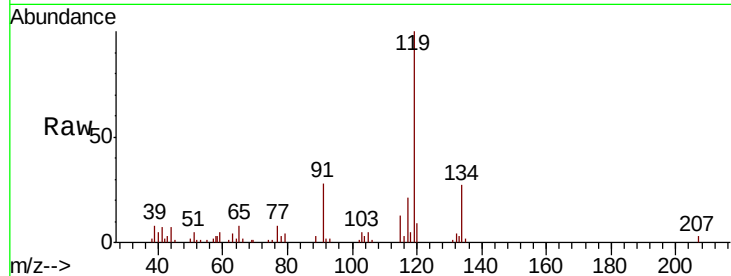




#79
tert-butylbenzene
Concen: 1.303 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.30 min
Lab File: VN051639.D
Acq: 1 Oct 2018 15:42

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	26.5	0.0	132.4
134	26.8	0.0	48.4

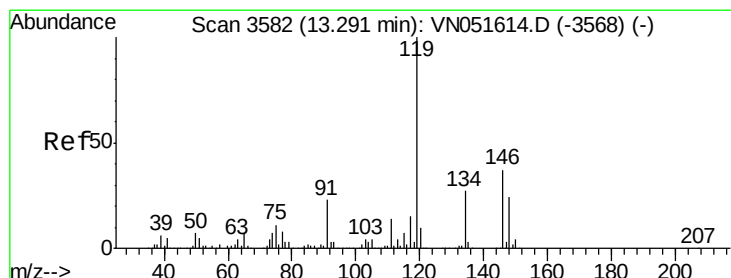
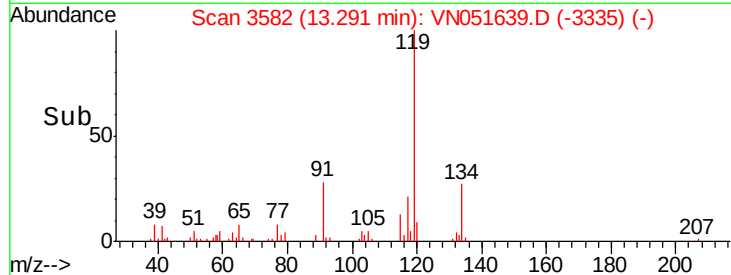
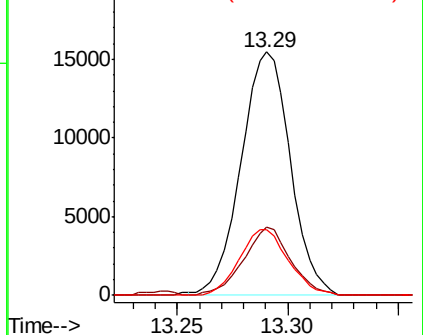


Abundance

Ion 119.00 (118.70 to 119.70): V

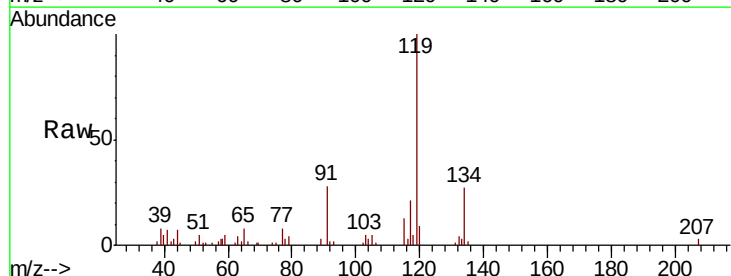
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#82
p-Isopropyltoluene
Concen: 1.104 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN051639.D
Acq: 1 Oct 2018 15:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	52.0
91	26.5	0.0	46.0

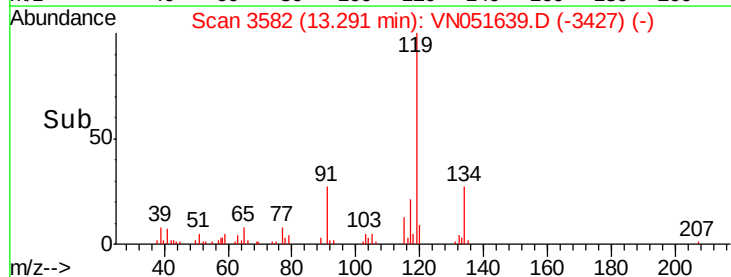
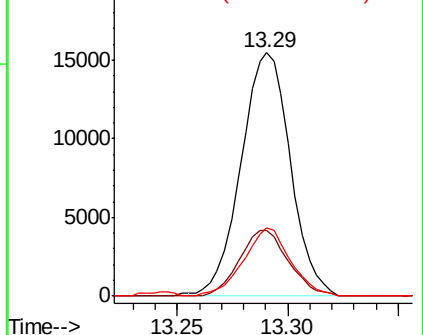


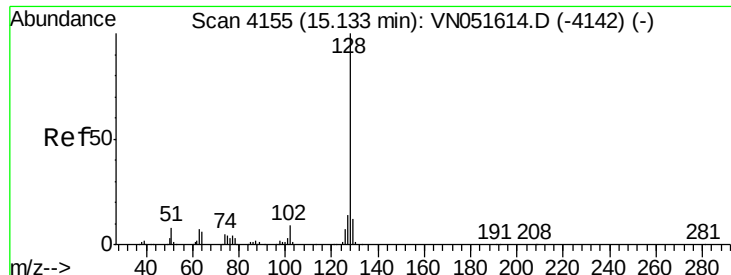
Abundance

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: 8.299 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051639.D

Acq: 1 Oct 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(AUG)DL

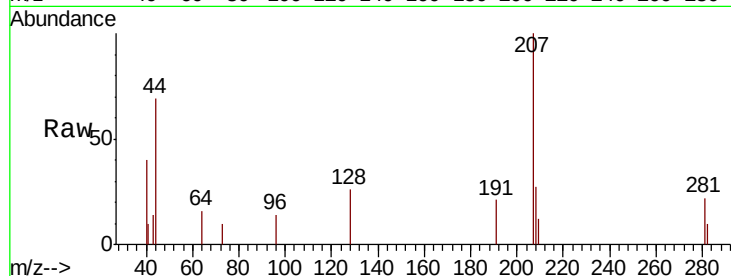
Tot Ion:128 Resp: 390

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 9.1 13.7#



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

