

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051981.D
 Acq On : 24 Oct 2018 12:14
 Operator : MD\SY
 Sample : J5643-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

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

Quant Time: Oct 24 14:31:27 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	162052	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	909255	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	796921	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	287491	29.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.20%
60) 4-Bromofluorobenzene	12.40	95	298351	25.96	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.53%
63) Toluene-d8	10.09	98	1019903	29.47	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.23%

Target Compounds

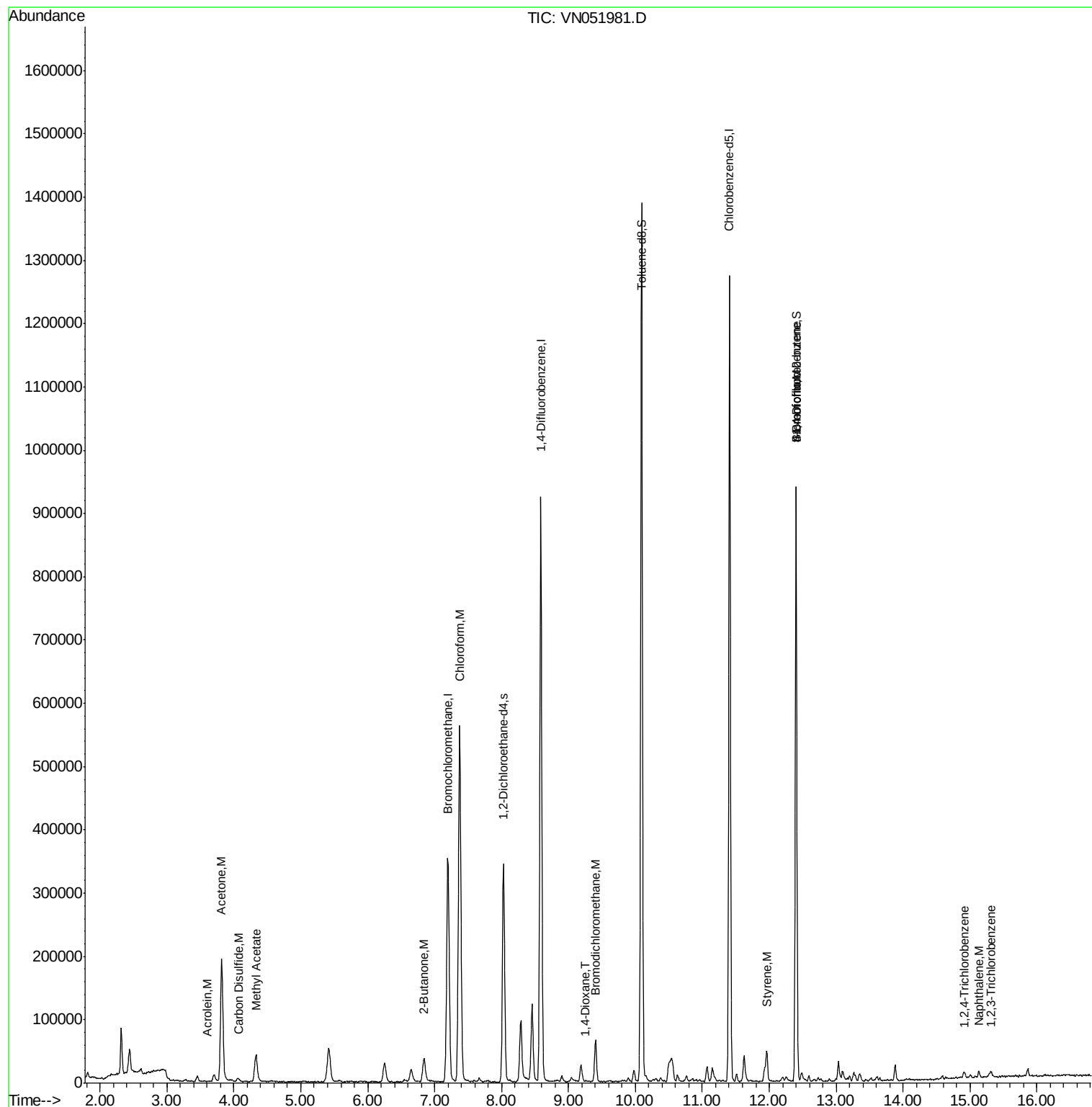
					Ovalue
12) Methyl Acetate	4.34	43	79721	17.207	ug/l 93
13) Acrolein	3.61	56	90	0.295	ug/l # 1
15) Acetone	3.82	58	107547	210.104	ug/l 97
16) Carbon Disulfide	4.06	76	5079	0.259	ug/l # 76
25) Chloroform	7.37	83	599766	36.675	ug/l 96
30) 2-Butanone	6.84	43	61375	25.054	ug/l # 89
41) Bromodichloromethane	9.41	83	44521	3.557	ug/l 97
45) 1,4-Dioxane	9.25	88	61	0.715	ug/l # 1
56) Bromoform	12.40	173	2913	0.426	ug/l # 1
69) Styrene	11.96	104	25418	0.947	ug/l # 87
77) t-1,4-Dichloro-2-butene	12.40	75	147509	61.561	ug/l # 12
89) 1,2,4-Trichlorobenzene	14.91	180	3175	7.971	ug/l 94
91) Naphthalene	15.13	128	8547	8.851	ug/l # 93
92) 1,2,3-Trichlorobenzene	15.31	180	3509	0.391	ug/l 86

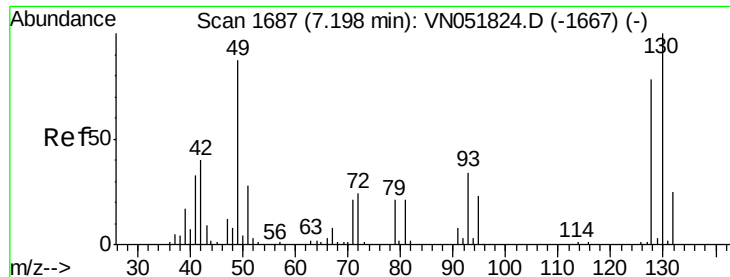
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102418\
Data File : VN051981.D
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Sample : J5643-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument :
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ClientSampleId :
001M-WILLETS-PT-BLVD-(SEP)

Quant Time: Oct 24 14:31:27 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration

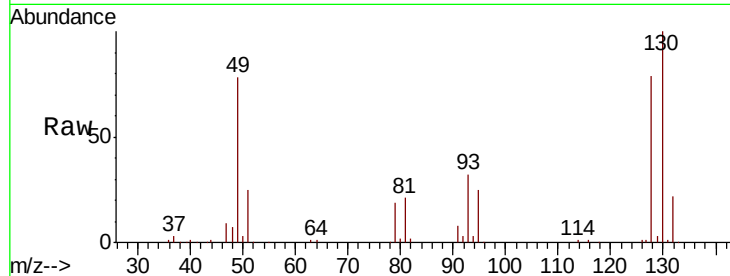




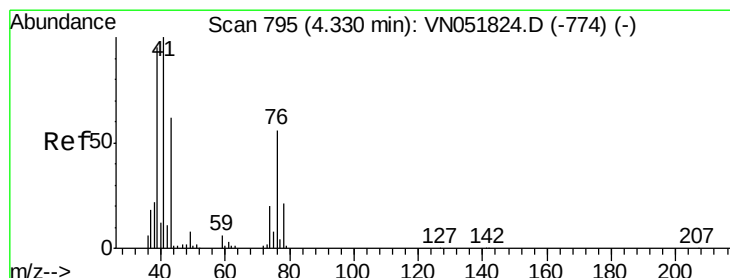
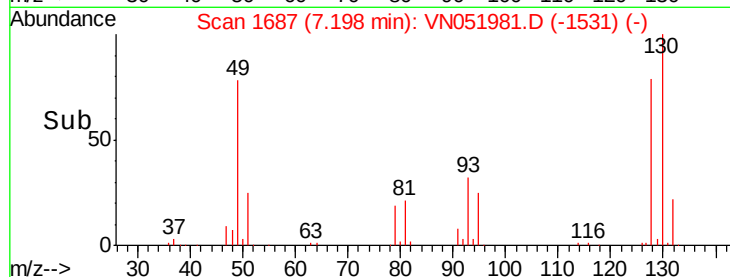
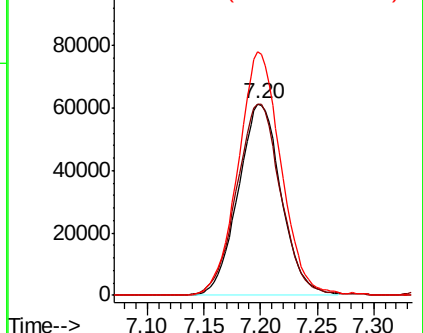
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN051981.D
 Acq: 24 Oct 2018 12:14

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

Tot Ion:128 Resp: 162052
 Ion Ratio Lower Upper
 128 100
 49 103.2 0.0 403.3
 130 126.9 0.0 326.0

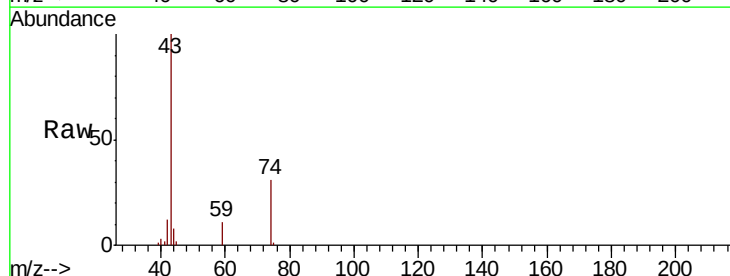


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

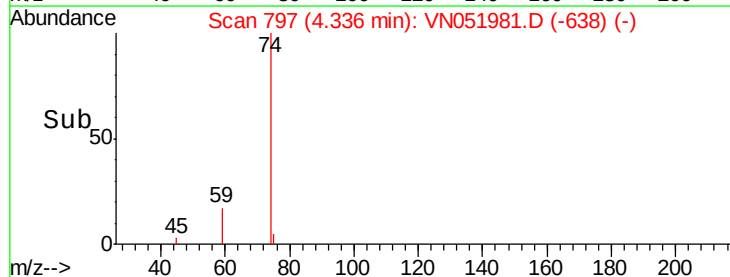
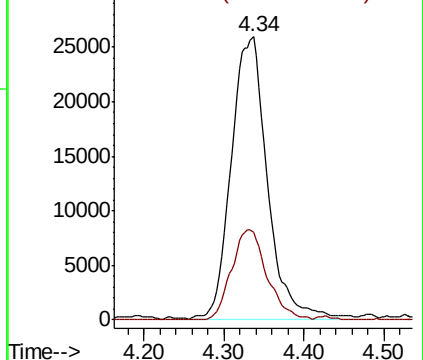


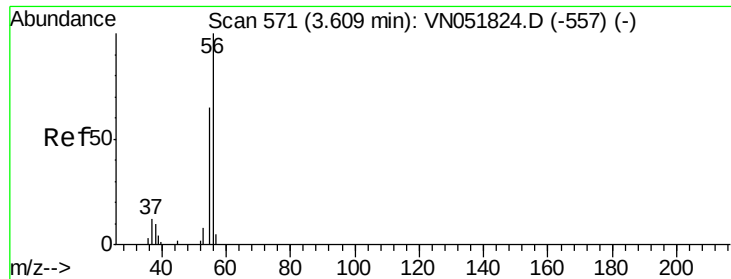
#12
 Methyl Acetate
 Concen: 17.207 ug/l
 RT: 4.34 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: VN051981.D
 Acq: 24 Oct 2018 12:14

Tgt Ion: 43 Resp: 79721
 Ion Ratio Lower Upper
 43 100
 74 30.7 21.8 32.6



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





#13

Acrolein

Concen: 0.295 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051981.D

Acq: 24 Oct 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

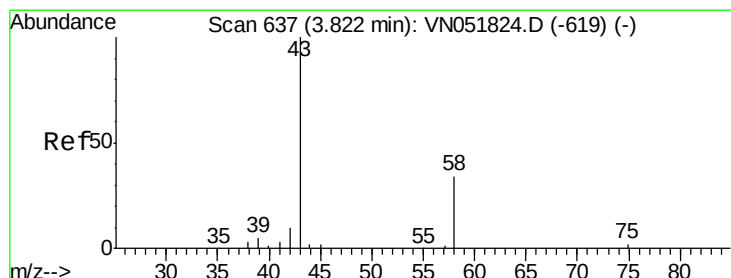
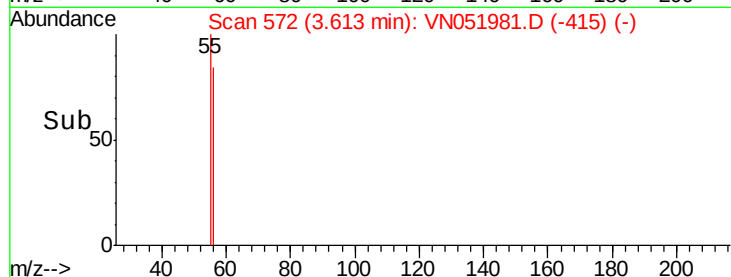
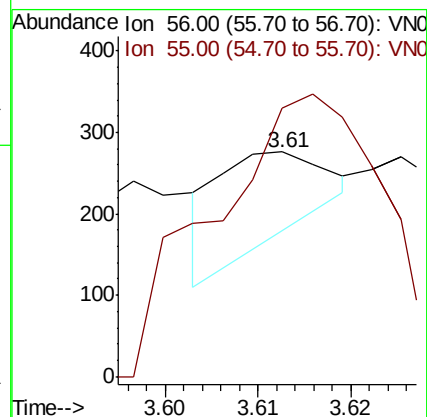
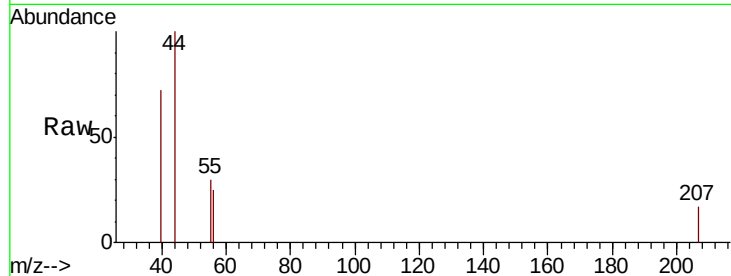
001M-WILLETS-PT-BLVD-(SEP)

Tot Ion: 56 Resp: 90

Ion Ratio Lower Upper

56 100

55 403.3 64.0 96.0#



#15

Acetone

Concen: 210.104 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051981.D

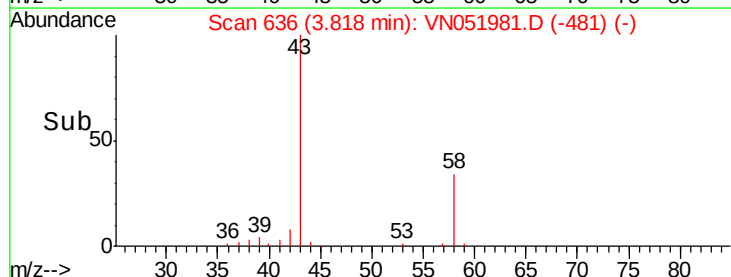
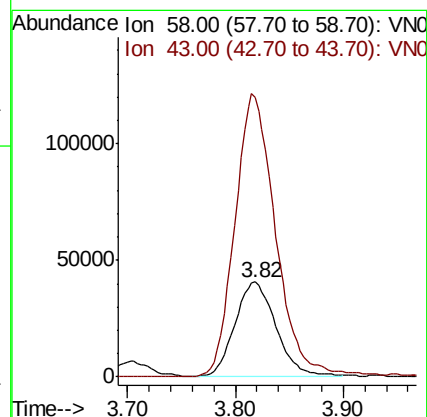
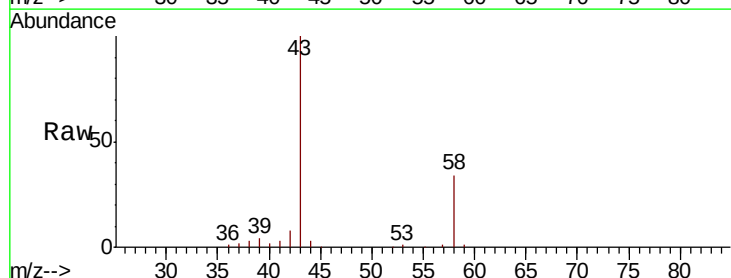
Acq: 24 Oct 2018 12:14

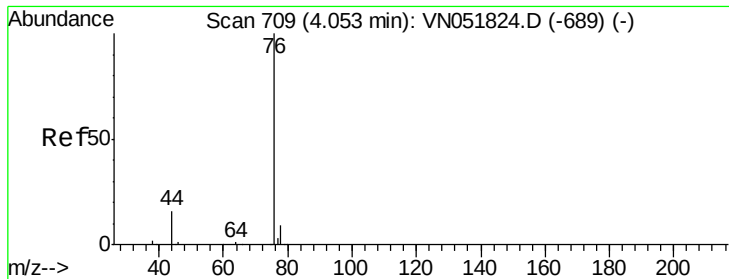
Tgt Ion: 58 Resp: 107547

Ion Ratio Lower Upper

58 100

43 295.7 232.2 348.2

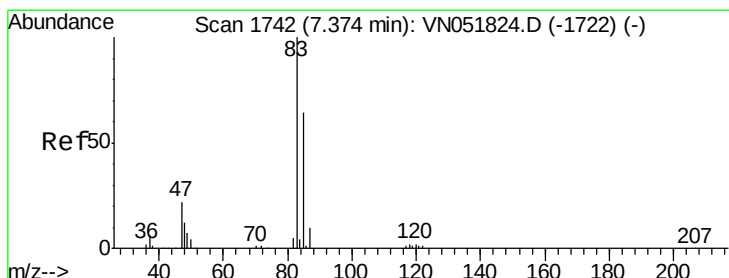
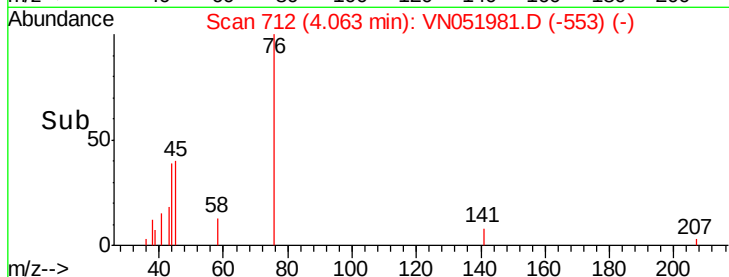
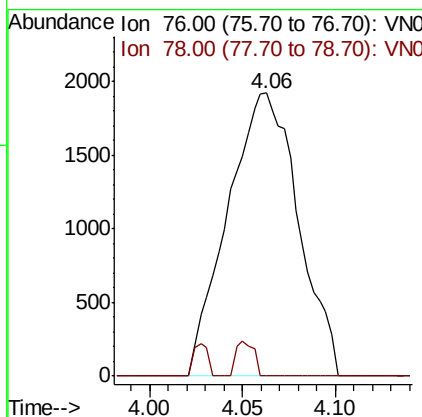
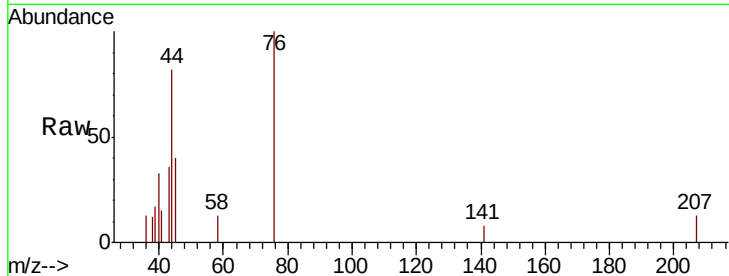




#16
Carbon Disulfide
Concen: 0.259 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.01 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

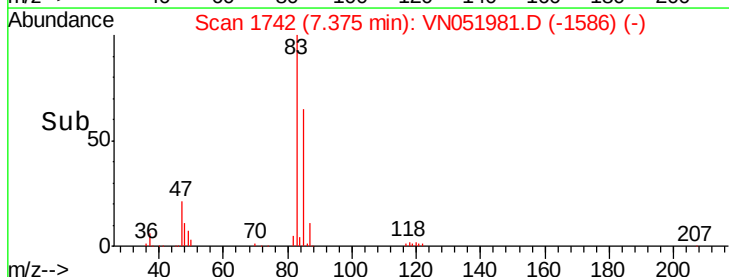
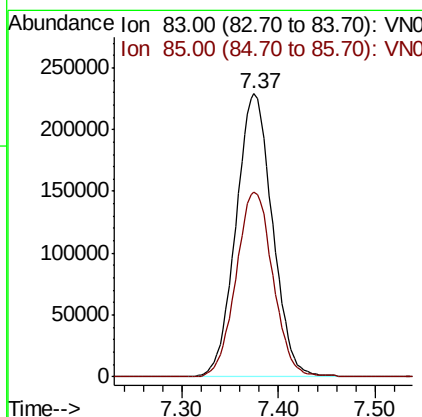
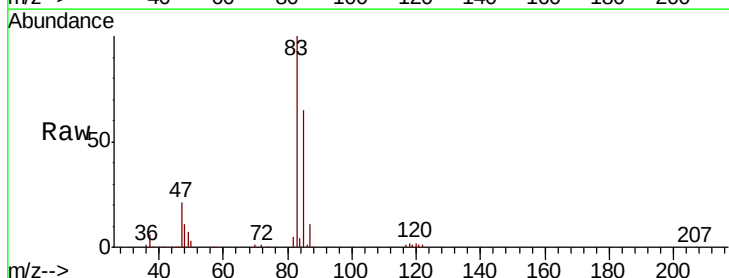
Instrument :
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001M-WILLETS-PT-BLVD-(SEP)

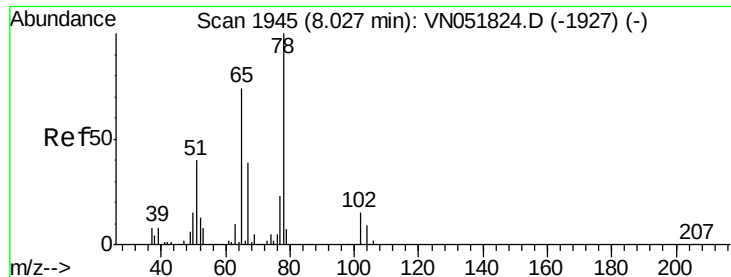
Tot Ion: 76 Resp: 5079
Ion Ratio Lower Upper
76 100
78 0.0 6.7 10.1#



#25
Chloroform
Concen: 36.675 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Tgt Ion: 83 Resp: 599766
Ion Ratio Lower Upper
83 100
85 65.4 54.6 82.0

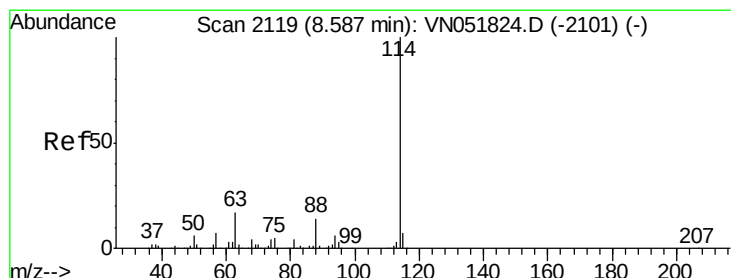
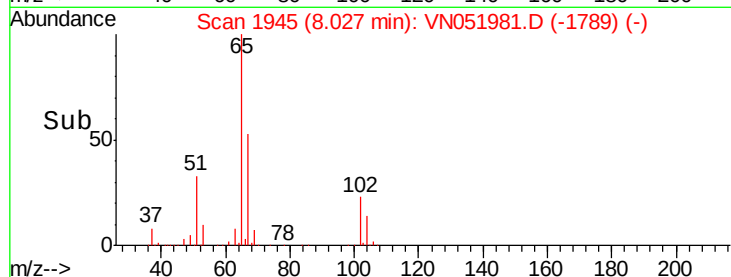
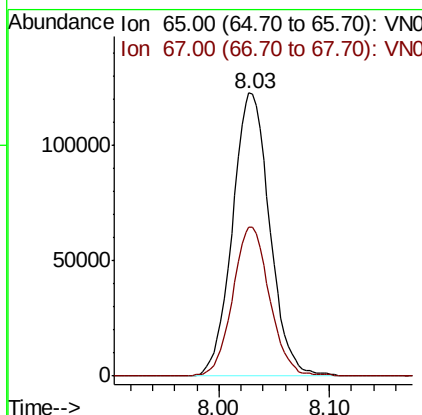
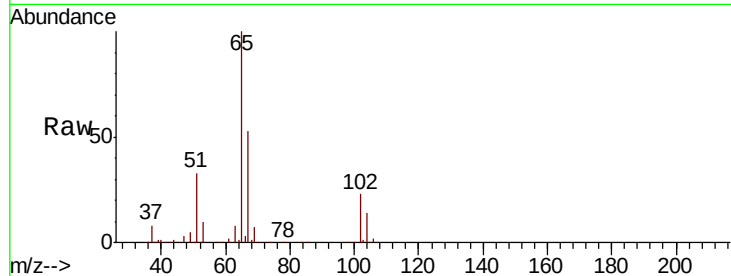




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051981.D
 Acq: 24 Oct 2018 12:14

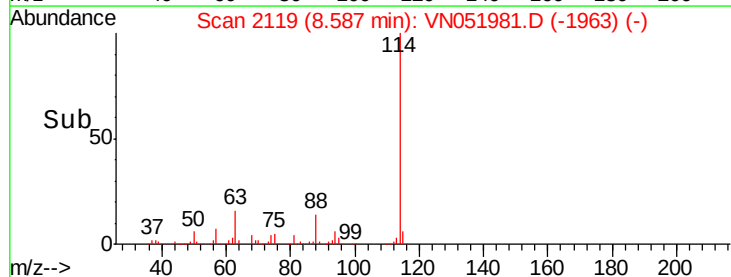
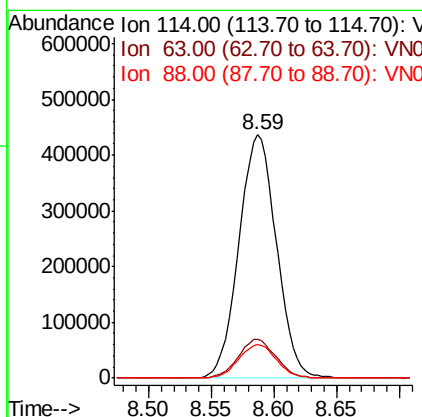
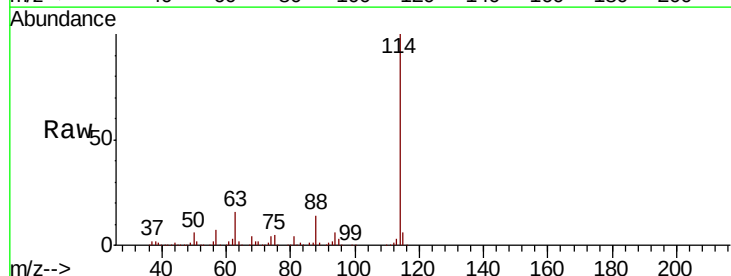
Instrument :
 MSVOA_N
 ClientSampleId :
 001M-WILLETS-PT-BLVD-(SEP)

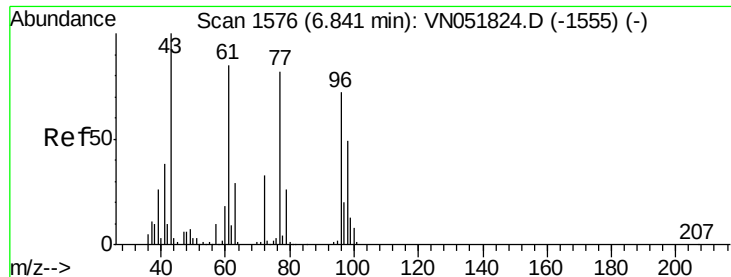
Tot Ion: 65 Resp: 287491
 Ion Ratio Lower Upper
 65 100
 67 52.1 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051981.D
 Acq: 24 Oct 2018 12:14

Tgt Ion: 114 Resp: 909255
 Ion Ratio Lower Upper
 114 100
 63 16.0 16.2 24.2#
 88 13.9 12.2 18.4

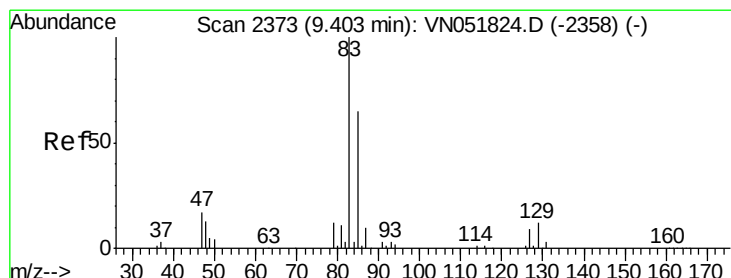
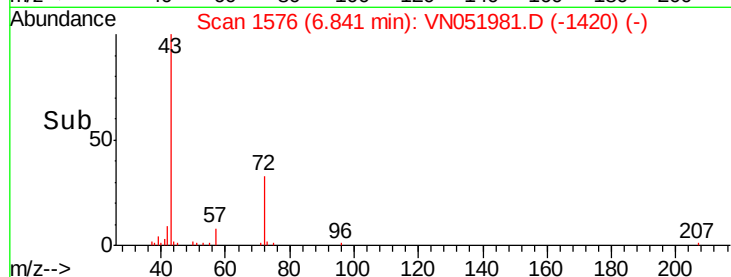
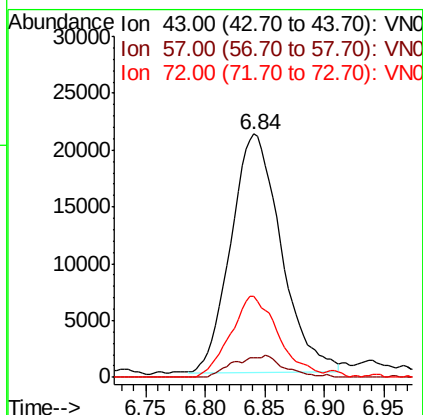
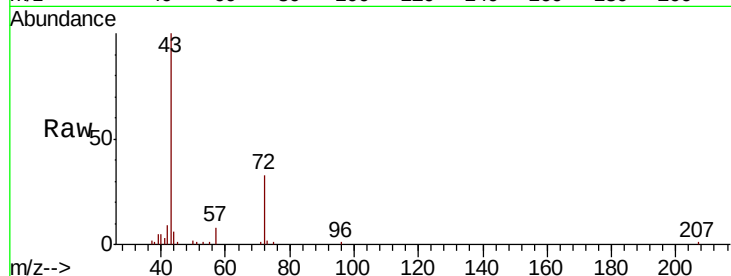




#30
2-Butanone
Concen: 25.054 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

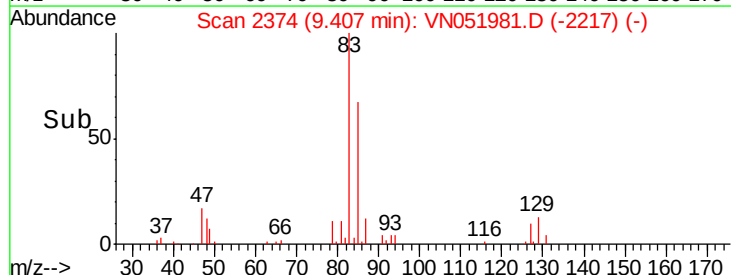
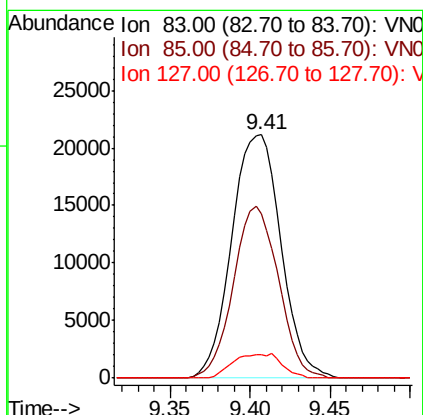
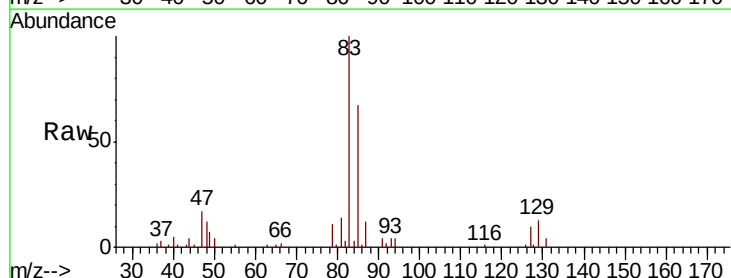
Instrument :
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001M-WILLETS-PT-BLVD-(SEP)

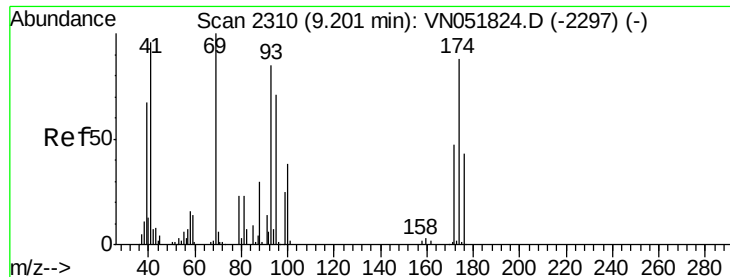
Tot Ion: 43 Resp: 61375
Ion Ratio Lower Upper
43 100
57 0.5 4.5 6.7#
72 32.4 21.5 32.3#



#41
Bromodichloromethane
Concen: 3.557 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Tgt Ion: 83 Resp: 44521
Ion Ratio Lower Upper
83 100
85 67.2 55.7 83.5
127 11.2 8.2 12.4





#45

1,4-Dioxane

Concen: 0.715 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.05 min

Lab File: VN051981.D

Acq: 24 Oct 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

001M-WILLETS-PT-BLVD-(SEP)

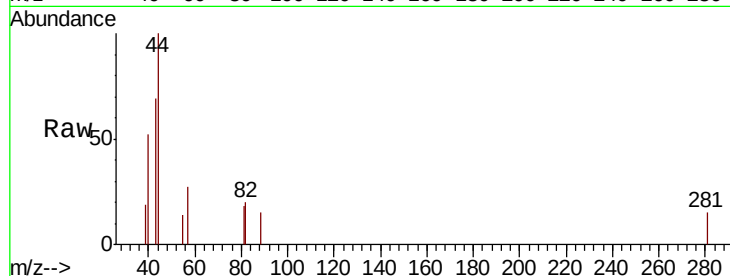
Tot Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 857.4 26.2 39.2#

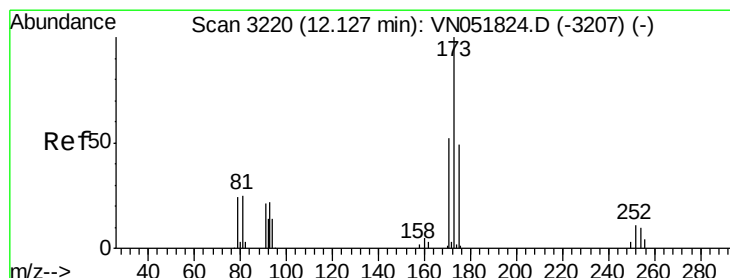
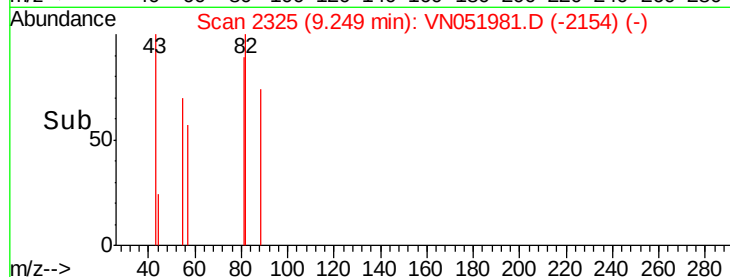
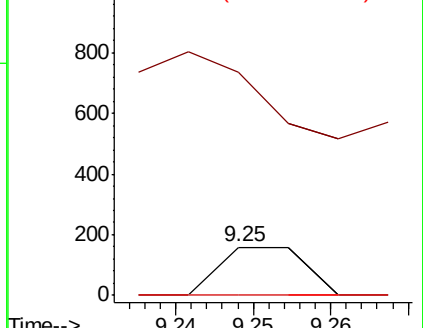
58 290.2 65.6 98.4#



Abundance Ion 88.00 (87.70 to 88.70): VN051824.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN051824.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN051824.D (-2297) (-)



#56

Bromoform

Concen: 0.426 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN051981.D

Acq: 24 Oct 2018 12:14

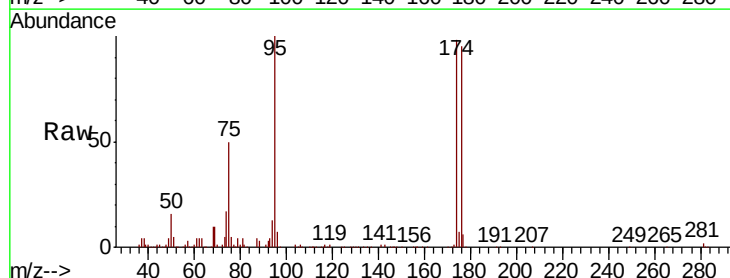
Tgt Ion: 173 Resp: 2913

Ion Ratio Lower Upper

173 100

175 745.2 35.8 53.8#

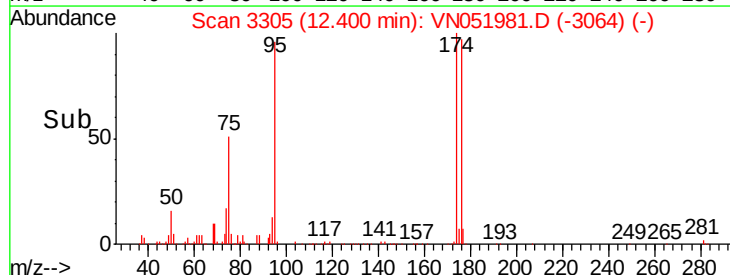
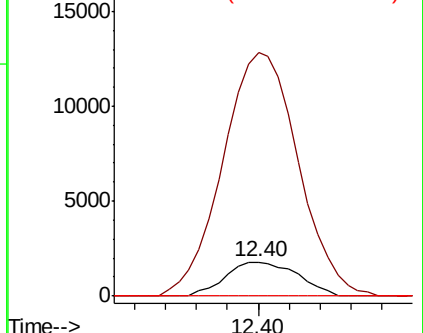
254 0.0 8.6 13.0#

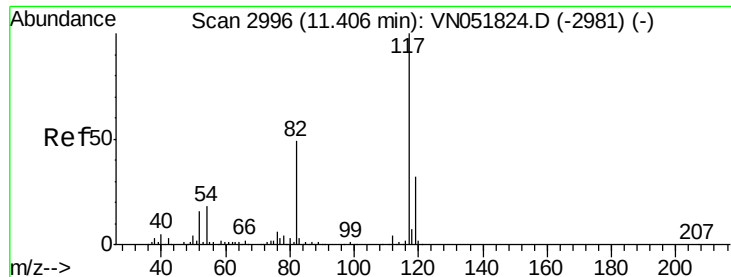


Abundance Ion 173.00 (172.70 to 173.70): VN051824.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN051824.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN051824.D (-3207) (-)

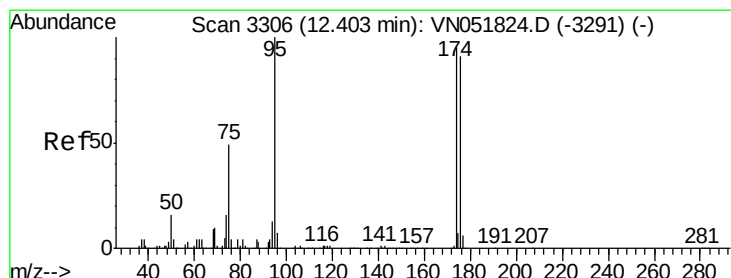
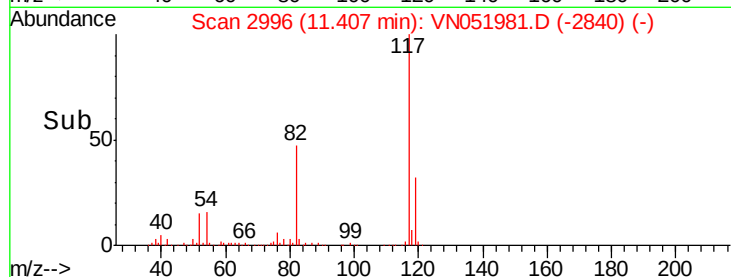
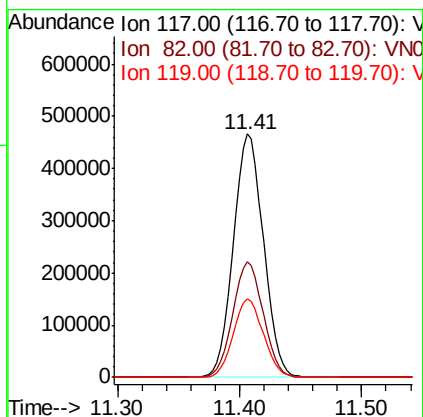
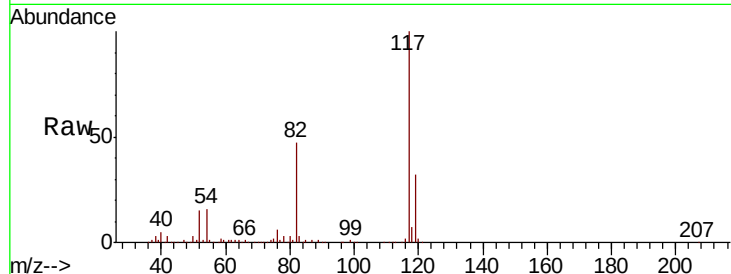




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

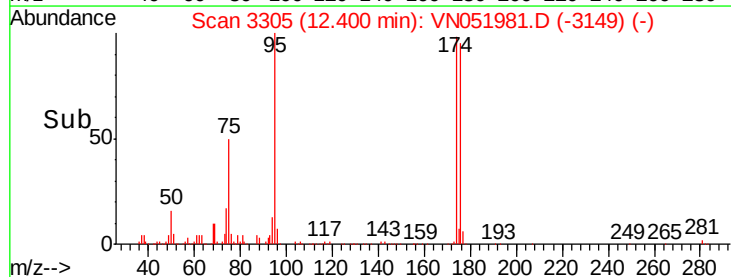
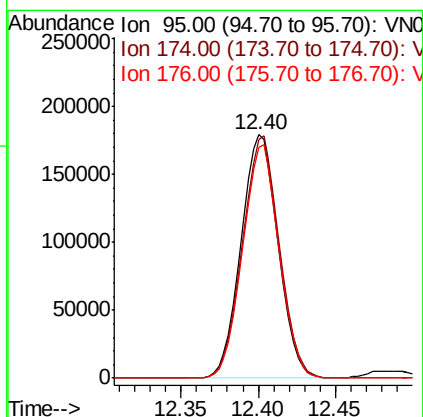
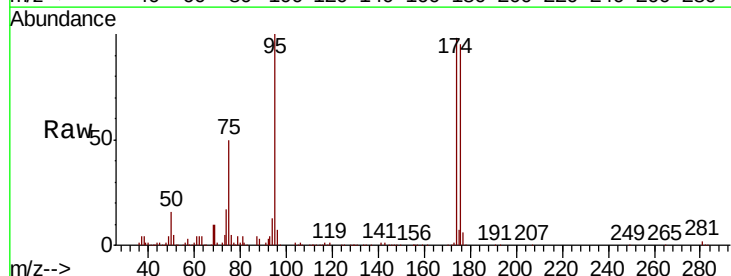
Instrument :
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001M-WILLETS-PT-BLVD-(SEP)

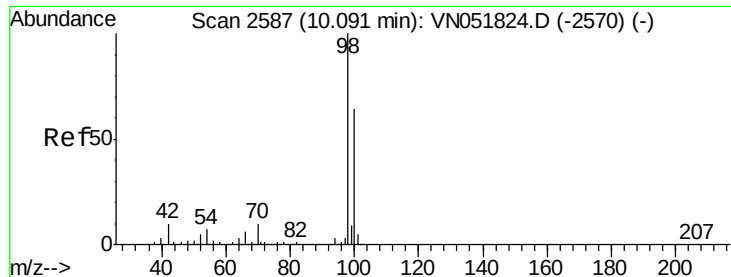
Tot Ion	Ratio	Lower	Upper
117	100		
82	47.9	44.1	66.1
119	32.4	25.8	38.8



#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.0	73.5	110.3
176	94.7	70.2	105.2





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051981.D

Acq: 24 Oct 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

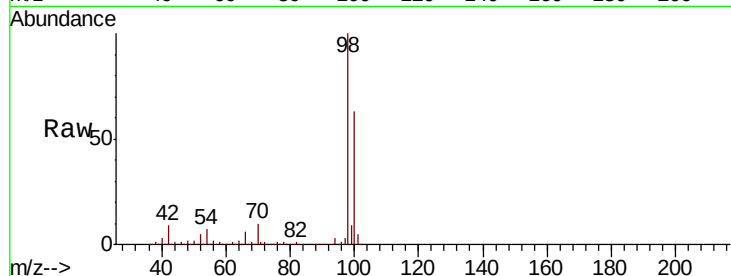
001M-WILLETS-PT-BLVD-(SEP)

Tot Ion: 98 Resp: 1019903

Ion Ratio Lower Upper

98 100

100 63.4 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN051824.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051824.D (-2570) (-)

10.09

600000

500000

400000

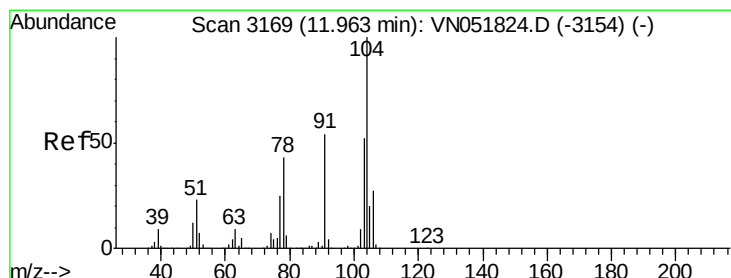
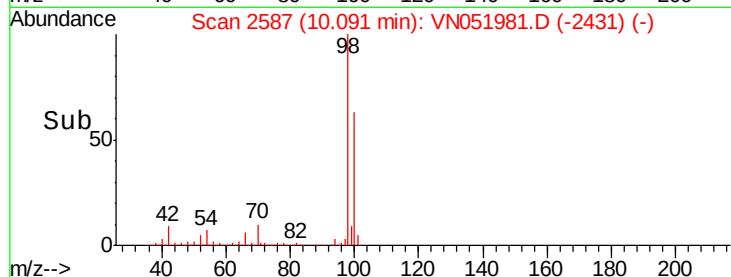
300000

200000

100000

0

Time--> 10.00 10.10 10.20



#69

Styrene

Concen: 0.947 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN051981.D

Acq: 24 Oct 2018 12:14

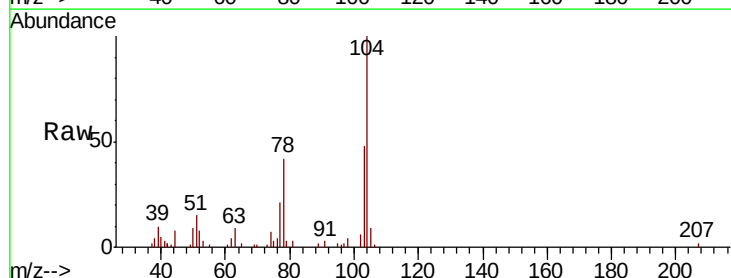
Tgt Ion:104 Resp: 25418

Ion Ratio Lower Upper

104 100

78 39.8 40.6 60.8#

103 46.8 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): VN051824.D (-3154) (-)

Ion 78.00 (77.70 to 78.70): VN051824.D (-3154) (-)

Ion 103.00 (102.70 to 103.70): VN051824.D (-3154) (-)

11.96

20000

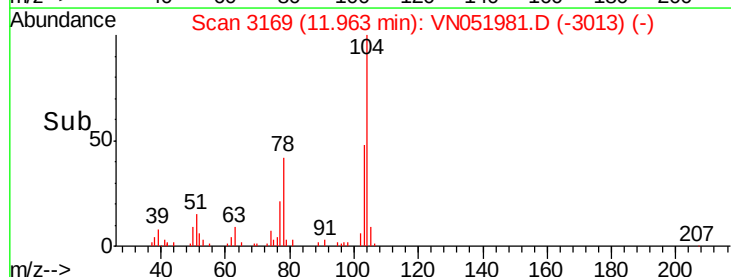
15000

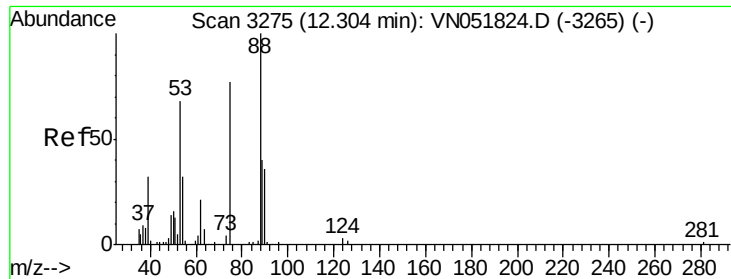
10000

5000

0

Time--> 11.90 11.95 12.00





#77

t-1,4-Dichloro-2-butene

Concen: 61.561 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051981.D

Acq: 24 Oct 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

001M-WILLETS-PT-BLVD-(SEP)

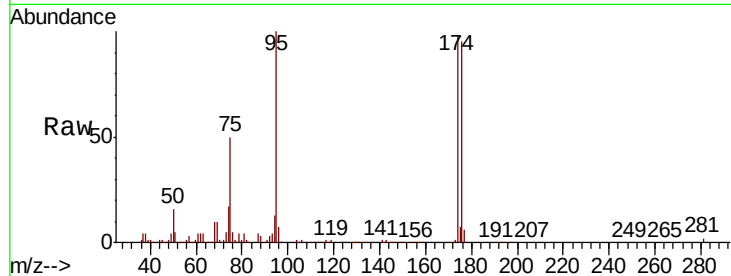
Tot Ion: 75 Resp: 147509

Ion Ratio Lower Upper

75 100

53 0.3 46.3 138.9#

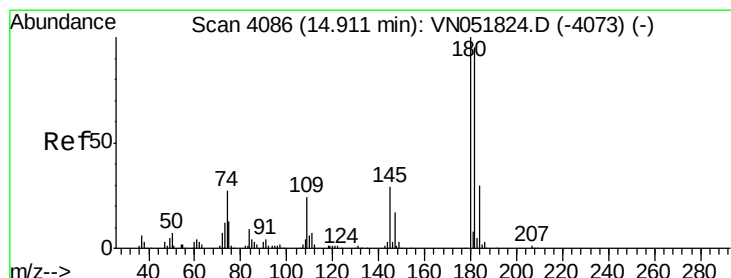
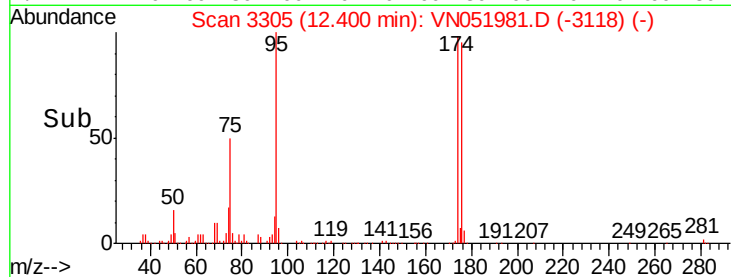
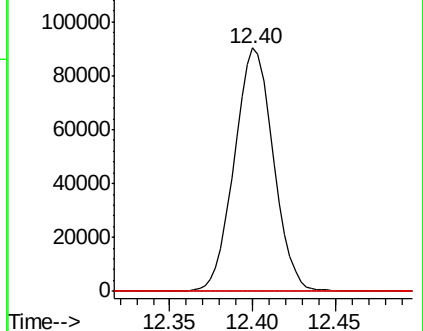
89 0.0 24.6 73.8#



Abundance Ion 75.00 (74.70 to 75.70): VN051824.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN051824.D (-3265) (-)

Ion 89.00 (88.70 to 89.70): VN051824.D (-3265) (-)



#89

1,2,4-Trichlorobenzene

Concen: 7.971 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051981.D

Acq: 24 Oct 2018 12:14

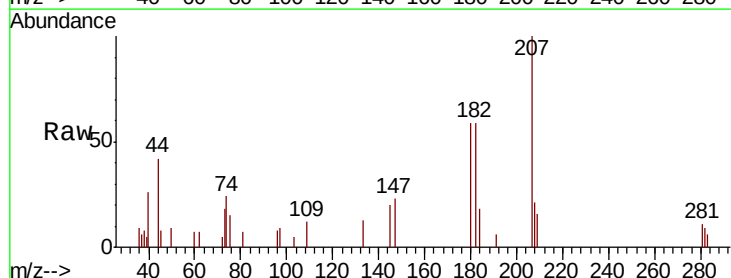
Tgt Ion: 180 Resp: 3175

Ion Ratio Lower Upper

180 100

182 90.6 77.7 116.5

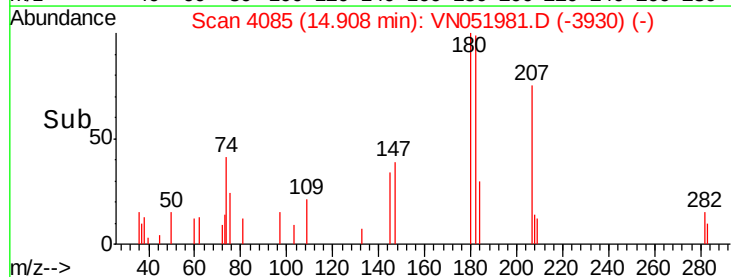
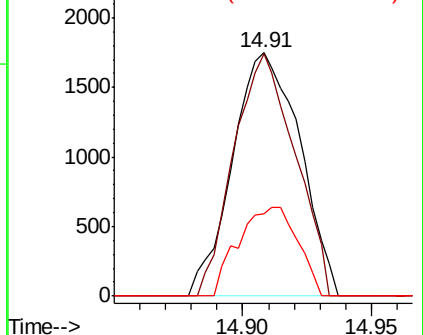
145 32.2 23.4 35.2

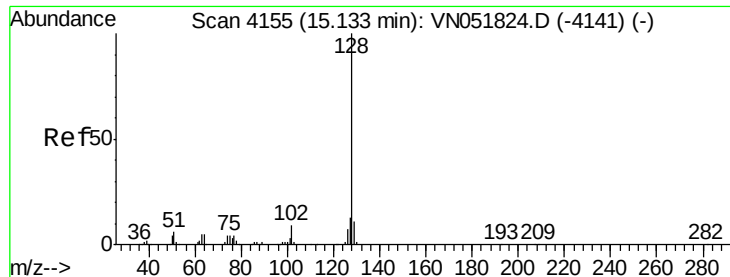


Abundance Ion 180.00 (179.70 to 180.70): VN051824.D (-4073) (-)

Ion 182.00 (181.70 to 182.70): VN051824.D (-4073) (-)

Ion 145.00 (144.70 to 145.70): VN051824.D (-4073) (-)





#91

Naphthalene

Concen: 8.851 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051981.D

Acq: 24 Oct 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

001M-WILLETS-PT-BLVD-(SEP)

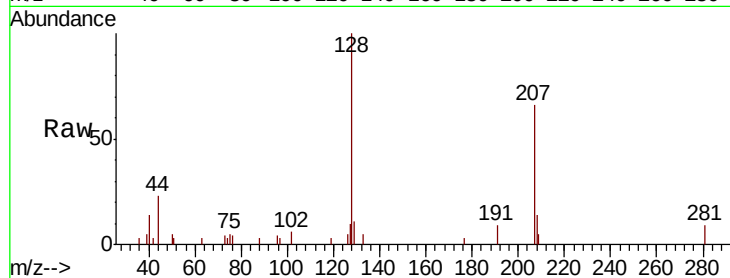
Tot Ion:128 Resp: 8547

Ion Ratio Lower Upper

128 100

127 8.3 10.1 15.1#

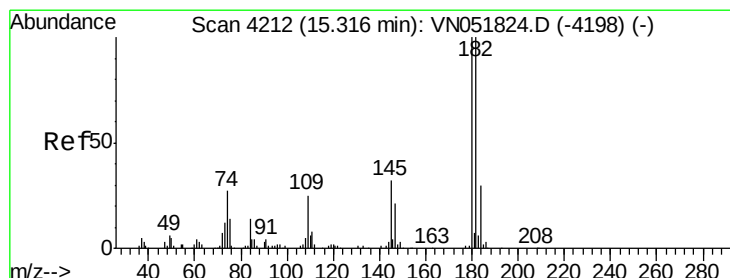
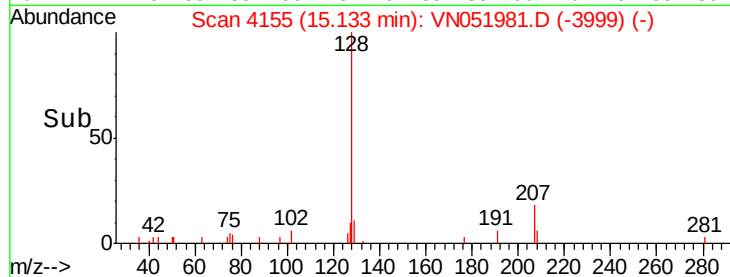
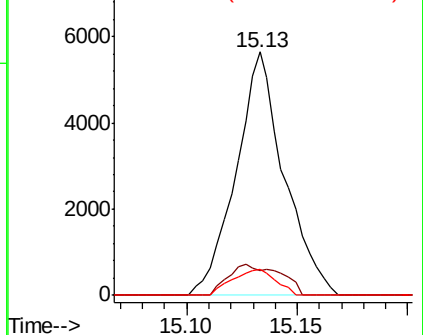
129 9.6 8.4 12.6



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: 0.391 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051981.D

Acq: 24 Oct 2018 12:14

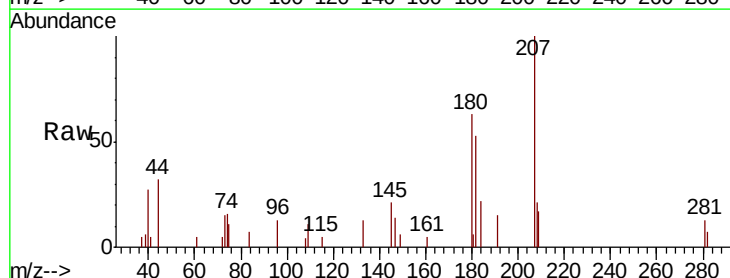
Tgt Ion:180 Resp: 3509

Ion Ratio Lower Upper

180 100

182 87.0 0.0 198.0

145 29.6 0.0 36.8



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

