

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090618\
 Data File : VN051033.D
 Acq On : 6 Sep 2018 15:39
 Operator : MD\SY
 Sample : J4819-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Sep 07 00:55:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	135484	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	709479	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	622644	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	254231	29.41	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.03%
60) 4-Bromofluorobenzene	12.40	95	250817	27.09	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.30%
63) Toluene-d8	10.09	98	852458	29.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.87%

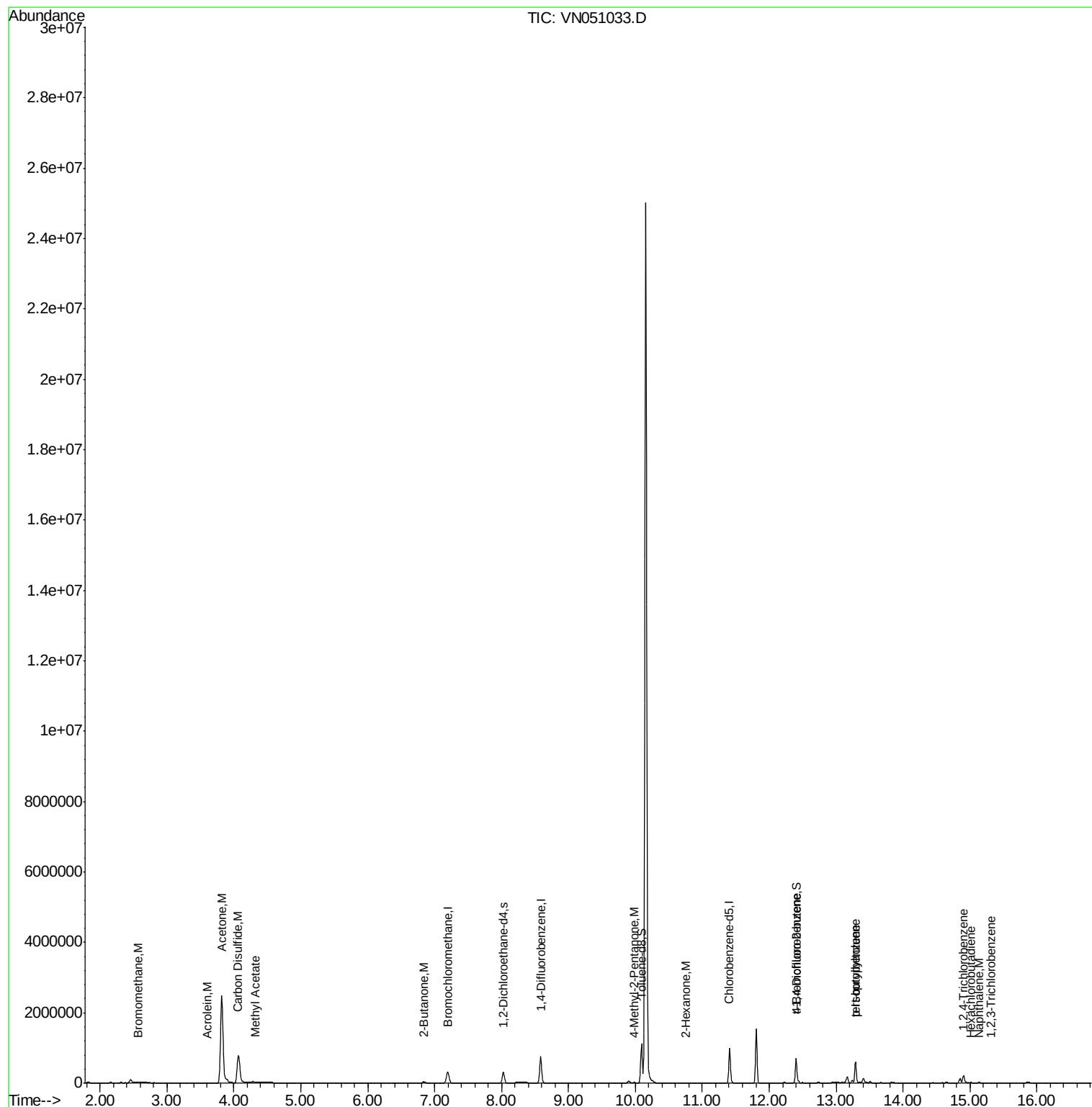
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Bromomethane	2.57	94	2008	0.34	ug/l	88
12) Methyl Acetate	4.33	43	1705	0.20	ug/l #	78
13) Acrolein	3.62	56	637	3.40	ug/l #	18
15) Acetone	3.82	58	1460594	1994.25	ug/l	95
16) Carbon Disulfide	4.05	76	10616	0.48	ug/l	97
30) 2-Butanone	6.84	43	60961	18.66	ug/l #	95
58) 4-Methyl-2-Pentanone	9.99	43	16052	2.25	ug/l	99
59) 2-Hexanone	10.75	43	2479	0.53	ug/l #	92
77) t-1,4-Dichloro-2-butene	12.40	75	116572	49.83	ug/l #	13
79) tert-butylbenzene	13.29	119	334797	13.42	ug/l	62
82) p-Isopropyltoluene	13.29	119	334797	11.88	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	1420	0.21	ug/l	95
90) Hexachlorobutadiene	15.01	225	1538	0.33	ug/l	72
91) Naphthalene	15.14	128	6785	8.90	ug/l #	96
92) 1,2,3-Trichlorobenzene	15.32	180	1849	0.27	ug/l	90

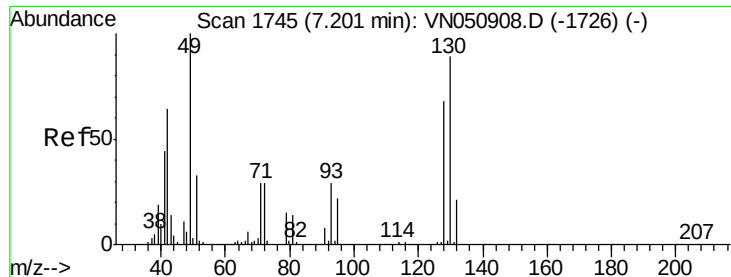
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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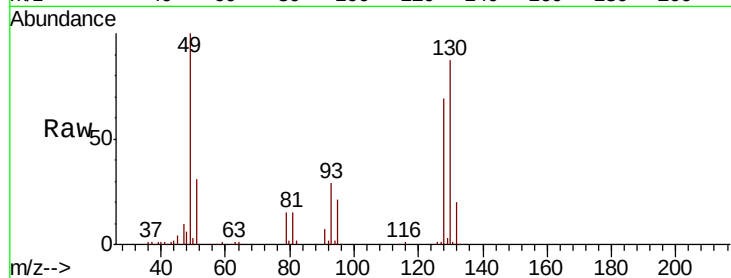




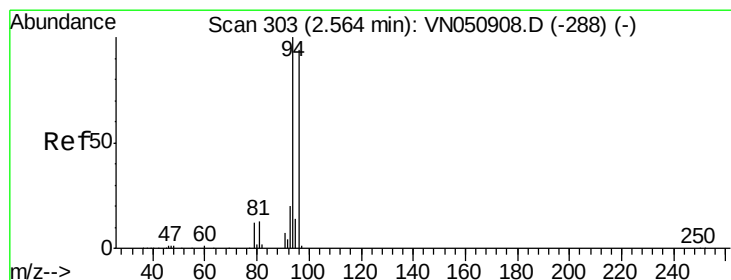
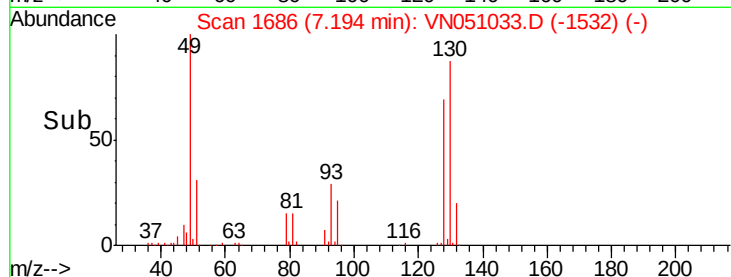
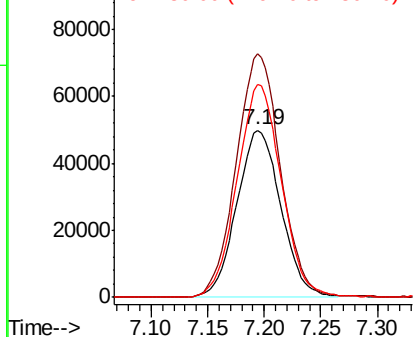
#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.01 min
 Lab File: VN051033.D
 Acq: 6 Sep 2018 15:39

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

Tot Ion:128 Resp: 135484
 Ion Ratio Lower Upper
 128 100
 49 145.9 0.0 380.3
 130 127.8 0.0 325.3

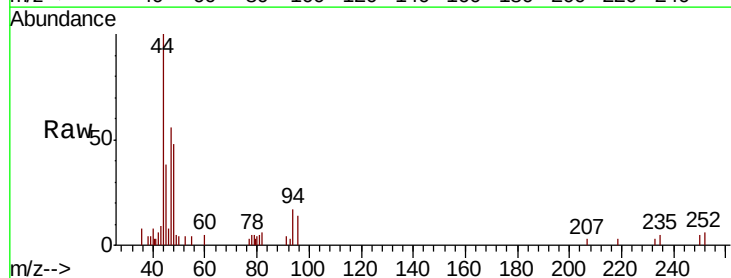


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

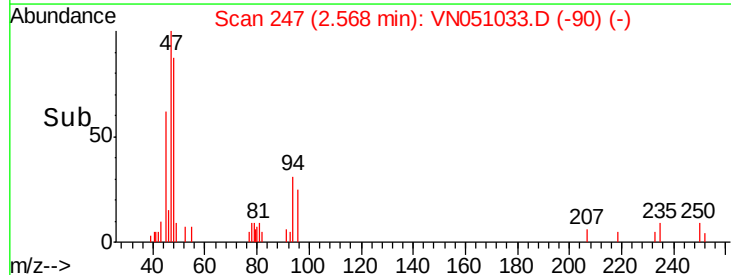
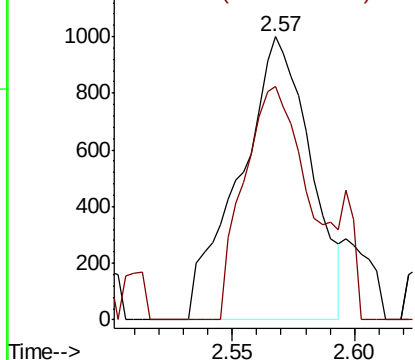


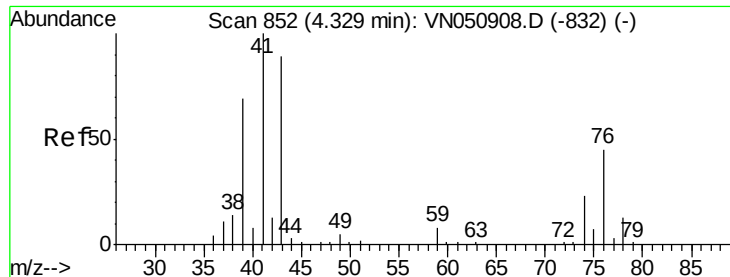
#5
 Bromomethane
 Concen: 0.34 ug/l
 RT: 2.57 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VN051033.D
 Acq: 6 Sep 2018 15:39

Tgt Ion: 94 Resp: 2008
 Ion Ratio Lower Upper
 94 100
 96 82.4 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN
 Ion 96.00 (95.70 to 96.70): VN

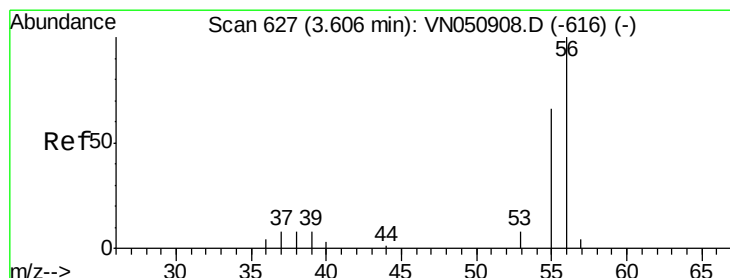
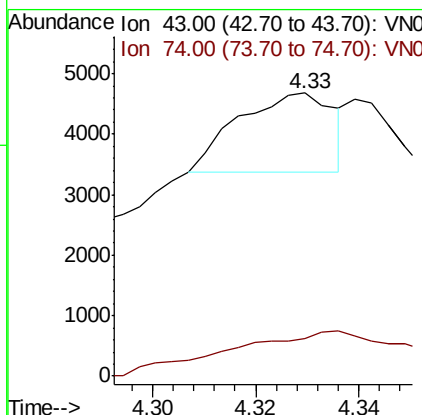
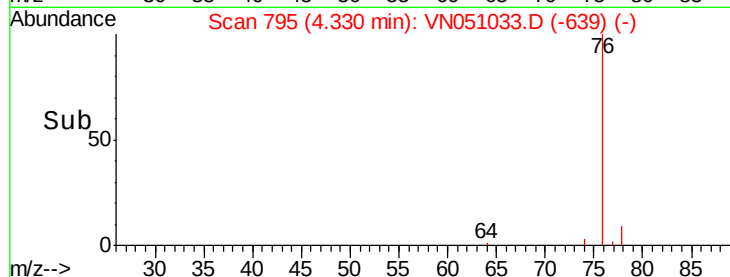
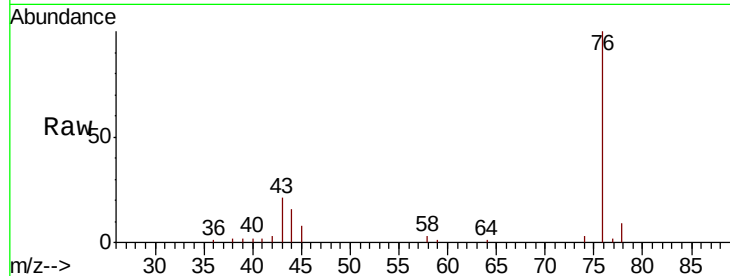




#12
Methvl Acetate
Concen: 0.20 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051033.D
Acq: 6 Sep 2018 15:39

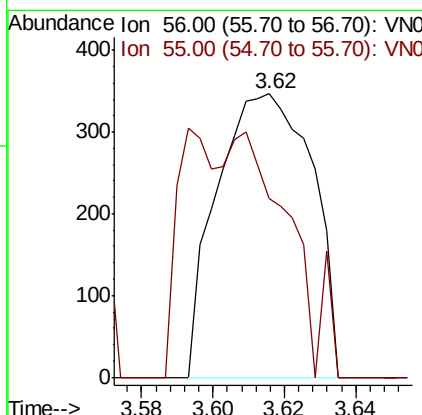
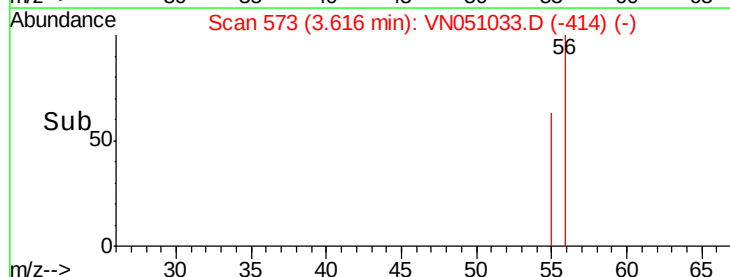
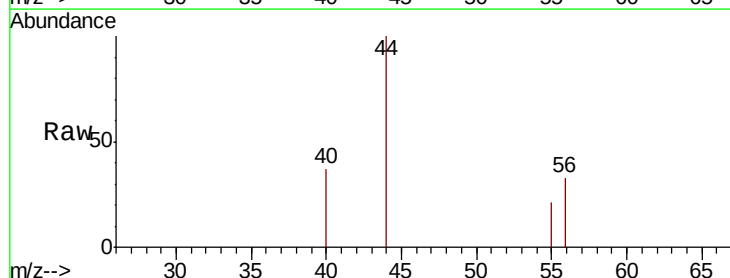
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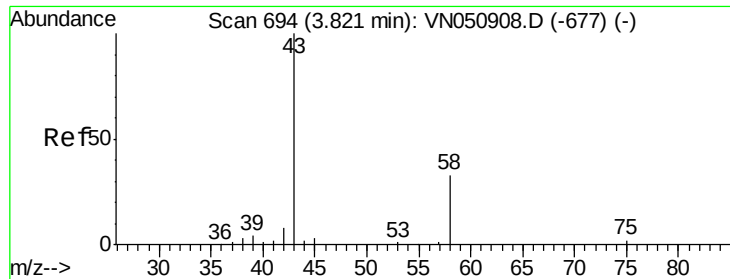
Tot Ion: 43 Resp: 1705
Ion Ratio Lower Upper
43 100
74 14.7 20.6 31.0#



#13
Acrolein
Concen: 3.40 ug/l
RT: 3.62 min Scan# 573
Delta R.T. 0.01 min
Lab File: VN051033.D
Acq: 6 Sep 2018 15:39

Tgt Ion: 56 Resp: 637
Ion Ratio Lower Upper
56 100
55 4.7 59.1 88.7#





#15

Acetone

Concen: 1994.25 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051033.D

Acq: 6 Sep 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

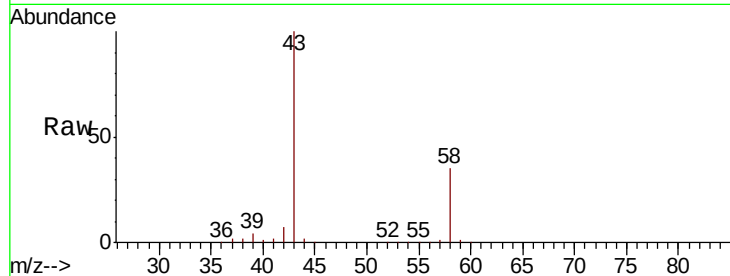
001M-WILLETS-PT-BLVD(SEP)

Tot Ion: 58 Resp: 1460594

Ion Ratio Lower Upper

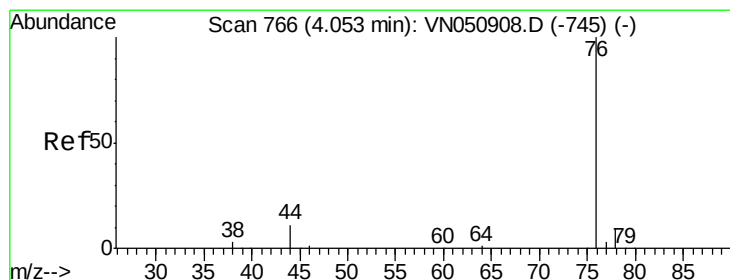
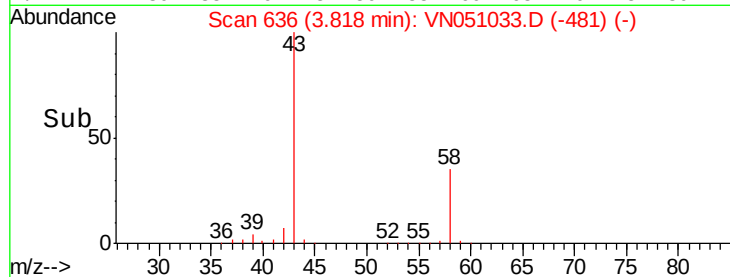
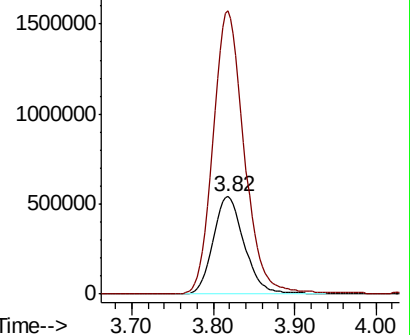
58 100

43 289.6 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VN051033.D (-481) (-)

Ion 43.00 (42.70 to 43.70): VN051033.D (-481) (-)



#16

Carbon Disulfide

Concen: 0.48 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051033.D

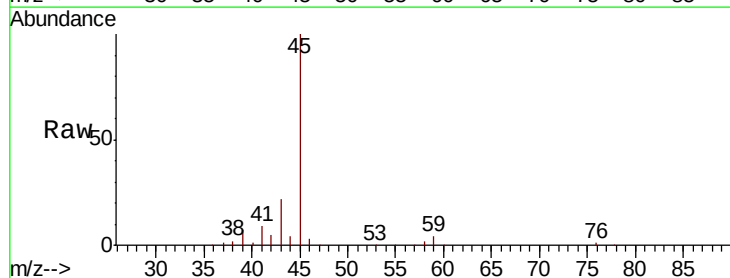
Acq: 6 Sep 2018 15:39

Tgt Ion: 76 Resp: 10616

Ion Ratio Lower Upper

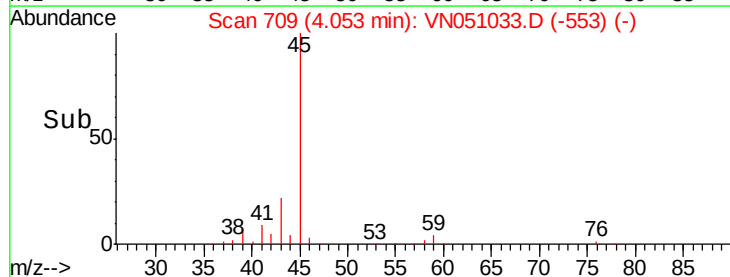
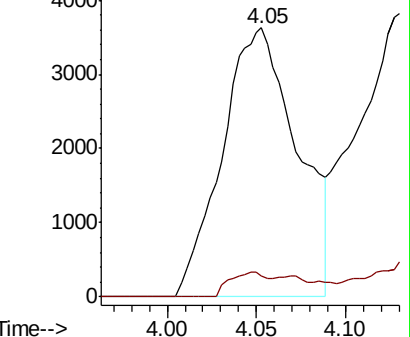
76 100

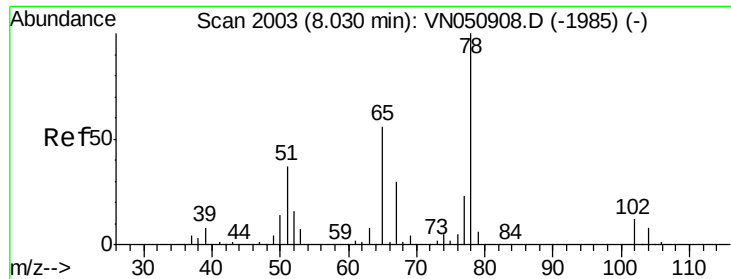
78 7.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN051033.D (-553) (-)

Ion 78.00 (77.70 to 78.70): VN051033.D (-553) (-)

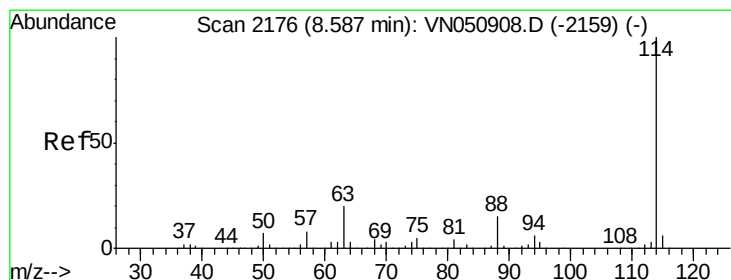
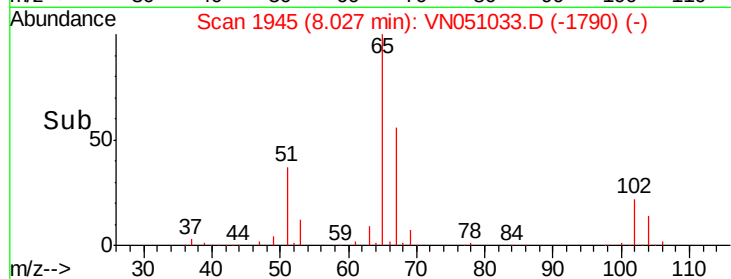
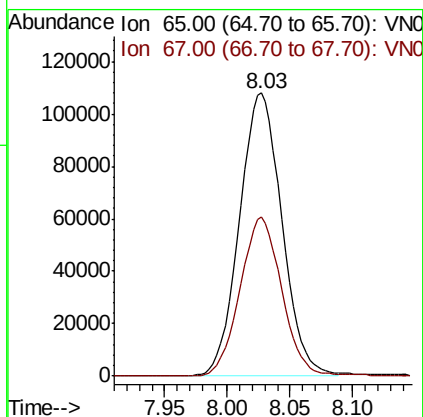
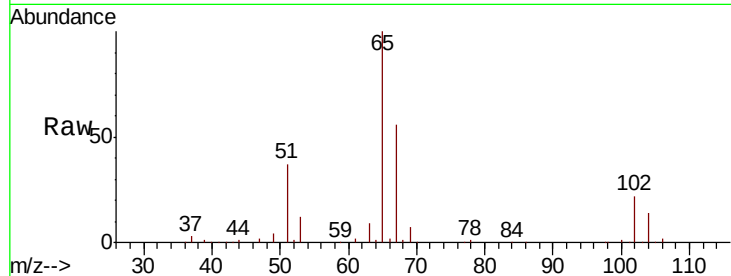




#27
 1,2-Dichloroethane-d4
 Concen: 29.41 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051033.D
 Acq: 6 Sep 2018 15:39

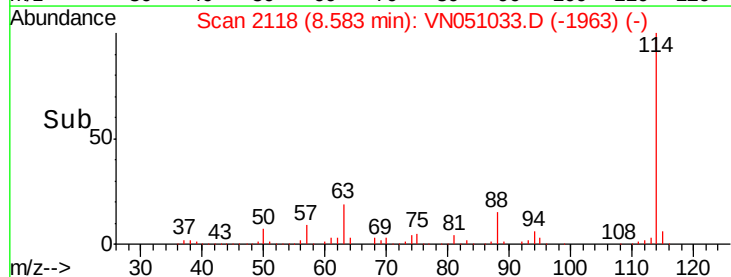
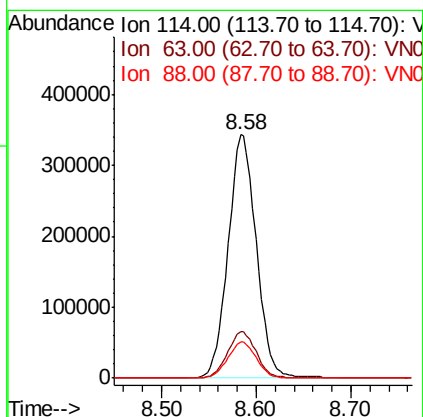
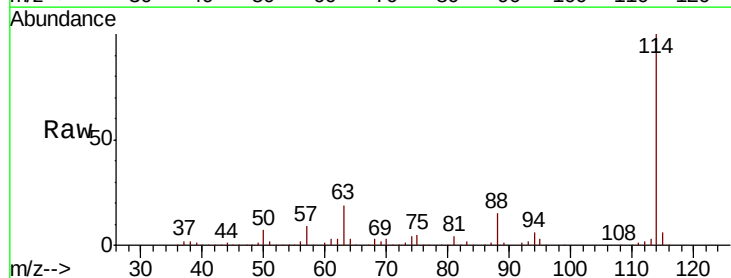
Instrument :
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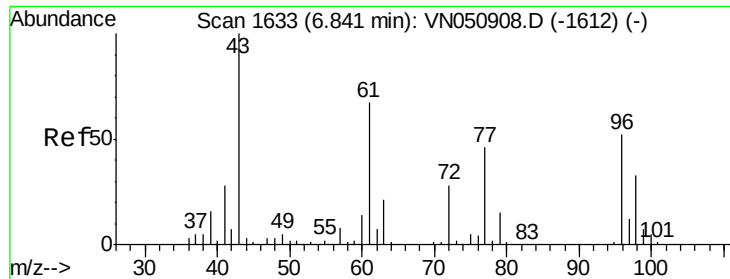
Tot Ion: 65 Resp: 254231
 Ion Ratio Lower Upper
 65 100
 67 54.9 43.7 65.5



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051033.D
 Acq: 6 Sep 2018 15:39

Tgt Ion: 114 Resp: 709479
 Ion Ratio Lower Upper
 114 100
 63 19.4 15.6 23.4
 88 15.2 12.2 18.4

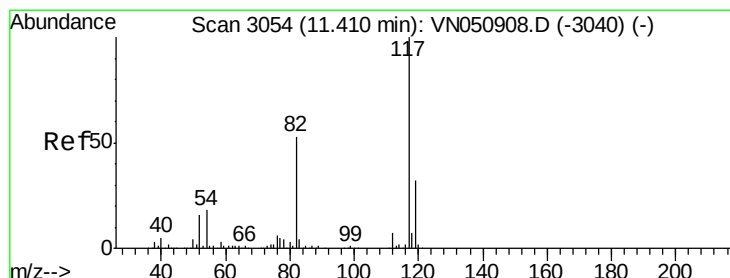
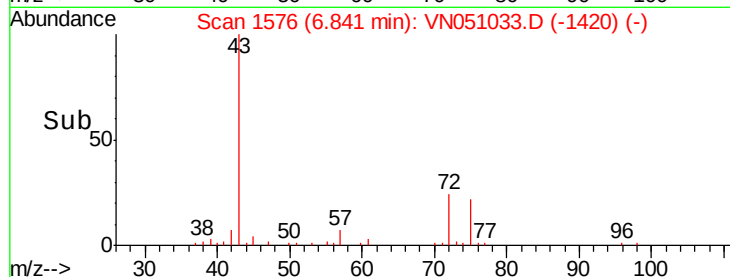
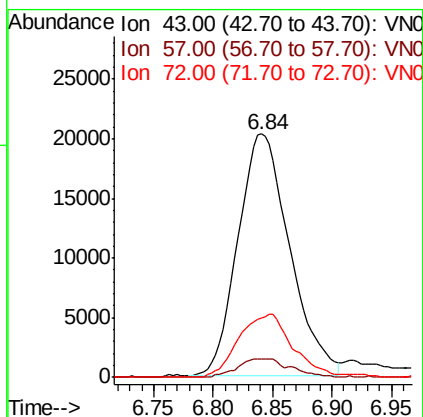
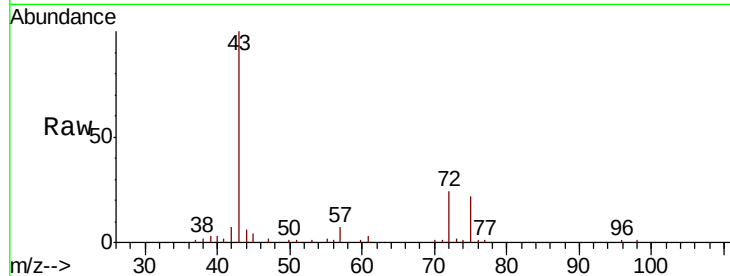




#30
2-Butanone
Concen: 18.66 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051033.D
Acq: 6 Sep 2018 15:39

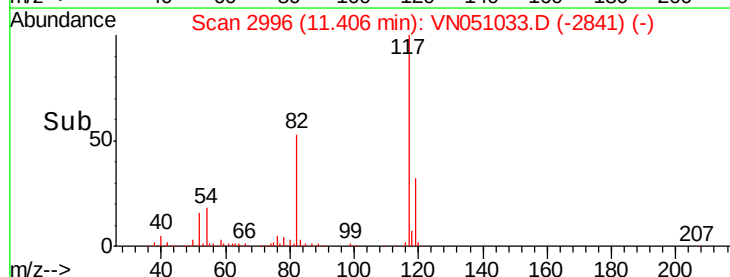
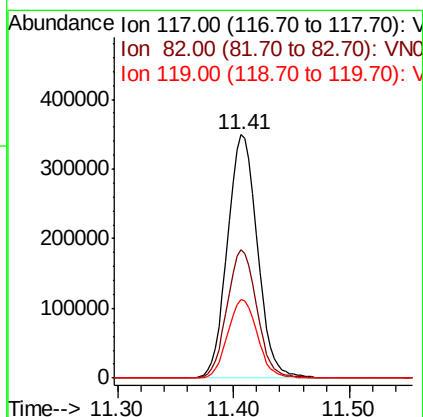
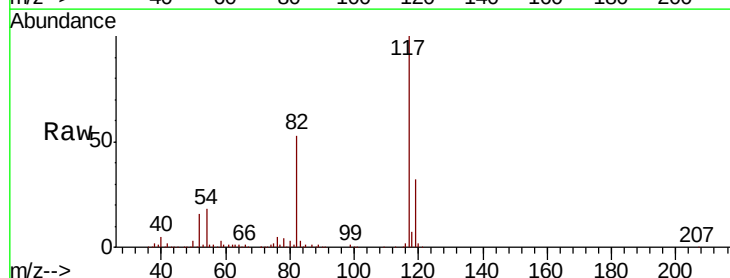
Instrument :
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ClientSampleId :
001M-WILLETS-PT-BLVD(SEP)

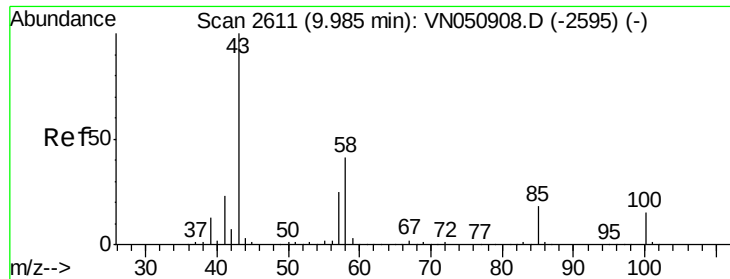
Tot Ion: 43 Resp: 60961
Ion Ratio Lower Upper
43 100
57 3.7 6.9 10.3#
72 27.0 22.8 34.2



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051033.D
Acq: 6 Sep 2018 15:39

Tgt Ion: 117 Resp: 622644
Ion Ratio Lower Upper
117 100
82 52.7 42.6 64.0
119 32.2 25.7 38.5

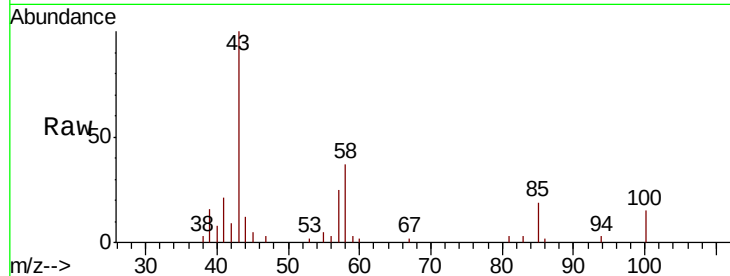




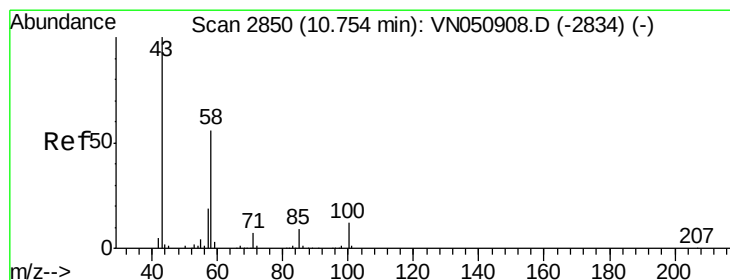
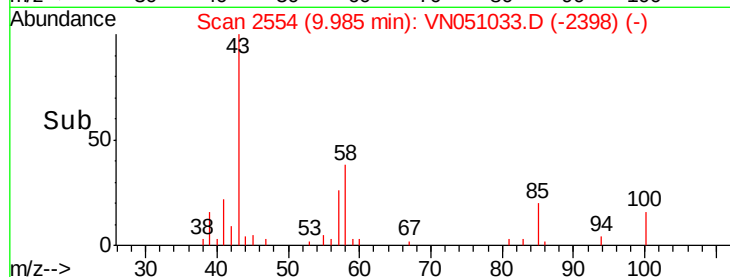
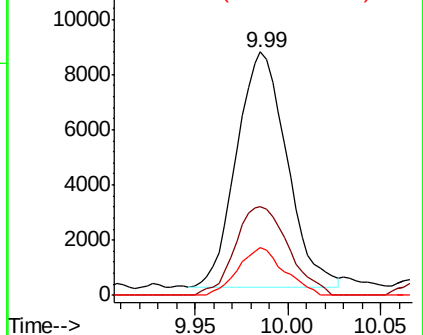
#58
4-Methyl-2-Pentanone
Concen: 2.25 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051033.D
Acq: 6 Sep 2018 15:39

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

Tot Ion: 43 Resp: 16052
Ion Ratio Lower Upper
43 100
58 40.0 32.3 48.5
85 18.4 14.9 22.3

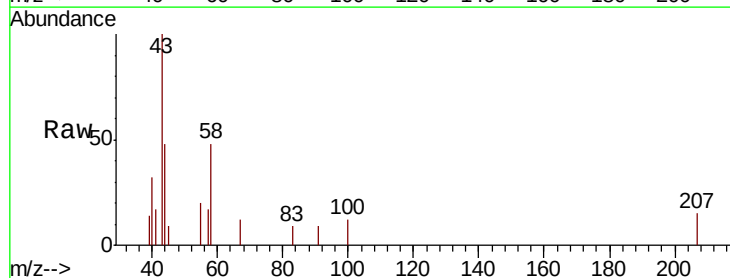


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

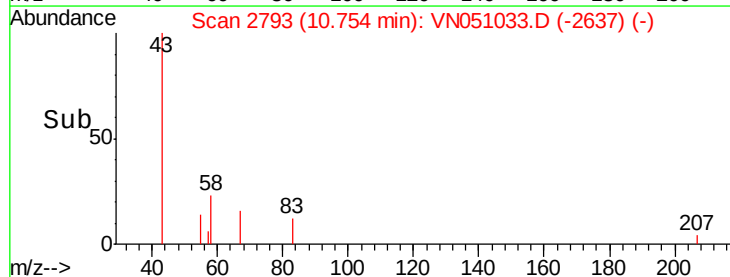
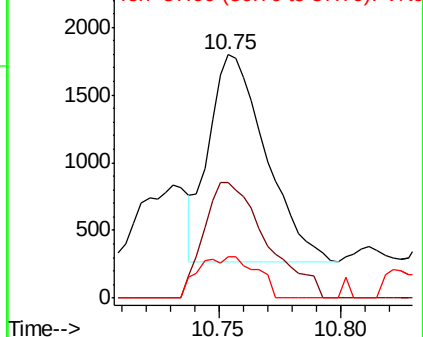


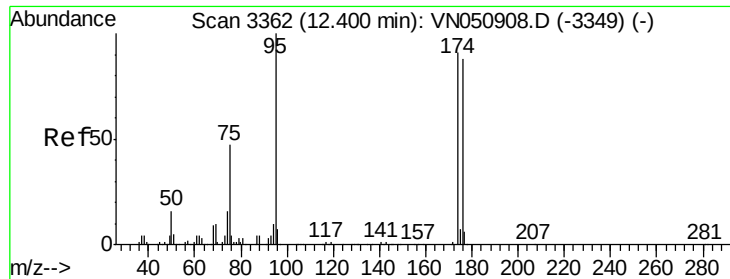
#59
2-Hexanone
Concen: 0.53 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051033.D
Acq: 6 Sep 2018 15:39

Tgt Ion: 43 Resp: 2479
Ion Ratio Lower Upper
43 100
58 60.1 45.5 68.3
57 11.2 15.2 22.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

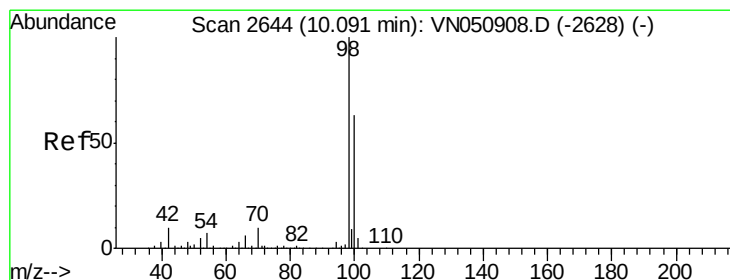
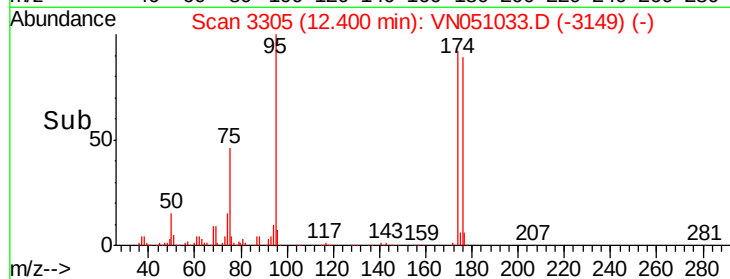
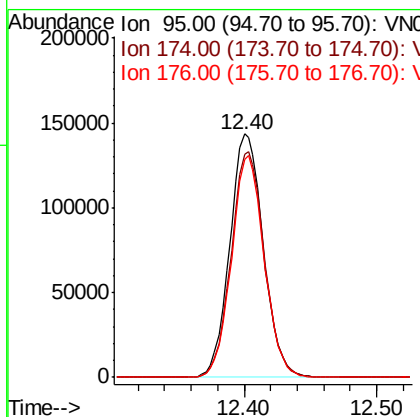
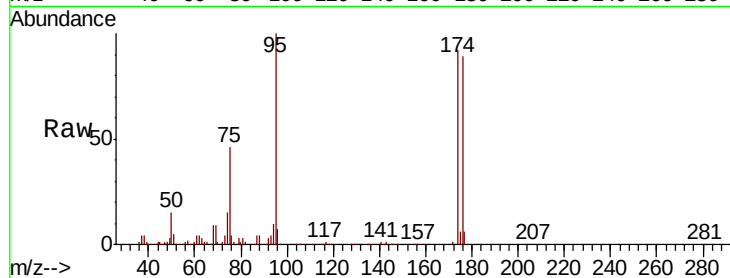




#60
 4-Bromofluorobenzene
 Concen: 27.09 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051033.D
 Acq: 6 Sep 2018 15:39

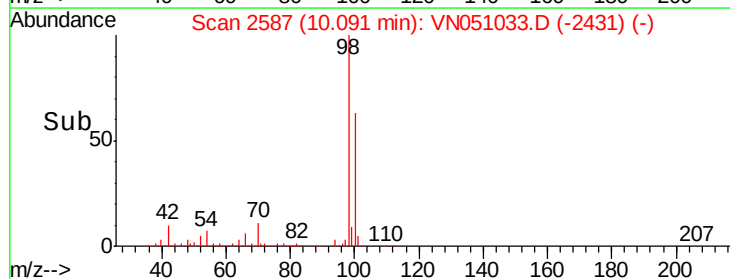
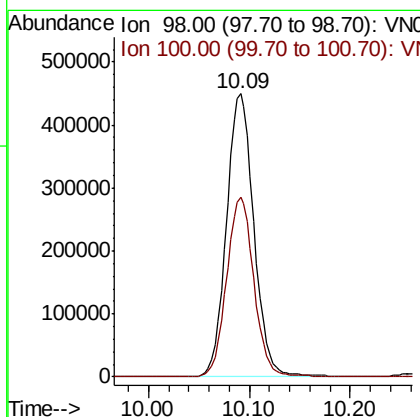
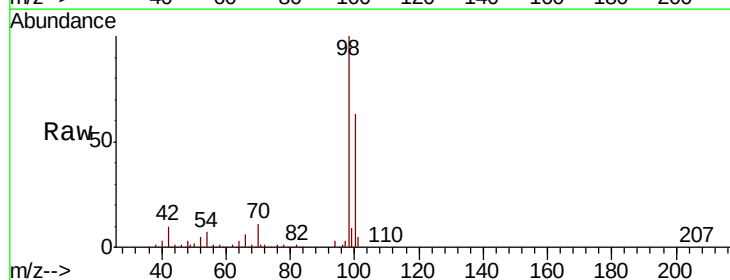
Instrument :
 MSVOA_N
 ClientSampleId :
 001M-WILLETS-PT-BLVD(SEP)

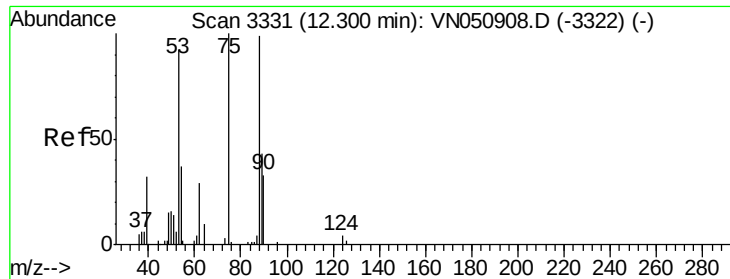
Tot Ion: 95 Resp: 250817
 Ion Ratio Lower Upper
 95 100
 174 92.3 74.6 112.0
 176 88.9 71.5 107.3



#63
 Toluene-d8
 Concen: 29.36 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN051033.D
 Acq: 6 Sep 2018 15:39

Tgt Ion: 98 Resp: 852458
 Ion Ratio Lower Upper
 98 100
 100 63.2 50.6 75.8



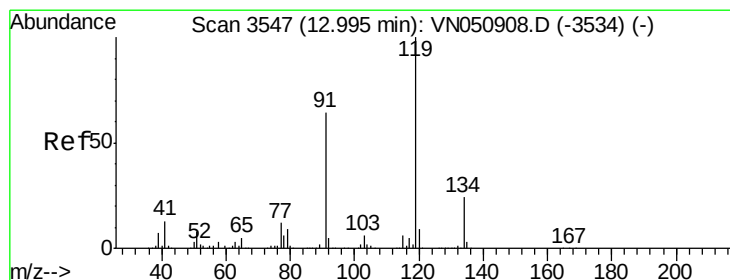
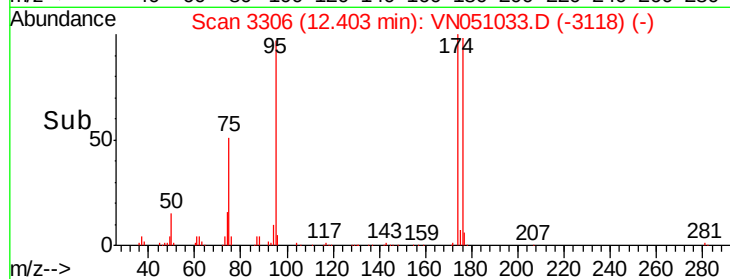
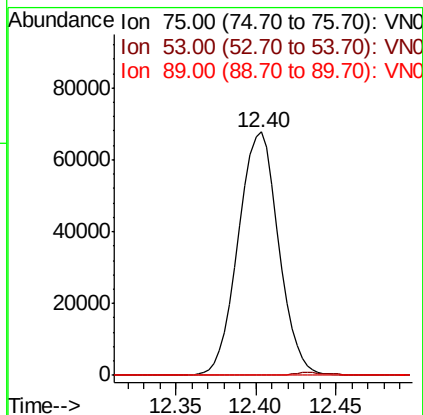
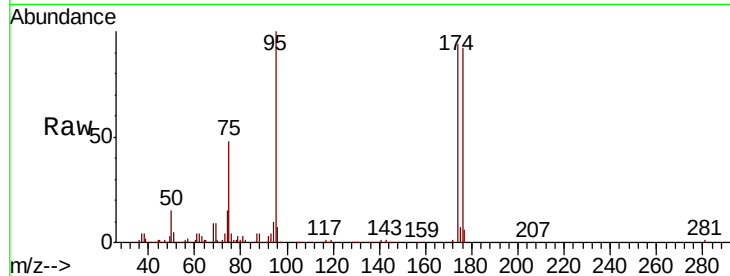


#77
t-1,4-Dichloro-2-butene
Concen: 49.83 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051033.D
Acq: 6 Sep 2018 15:39

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

Tot Ion: 75 Resp: 116572

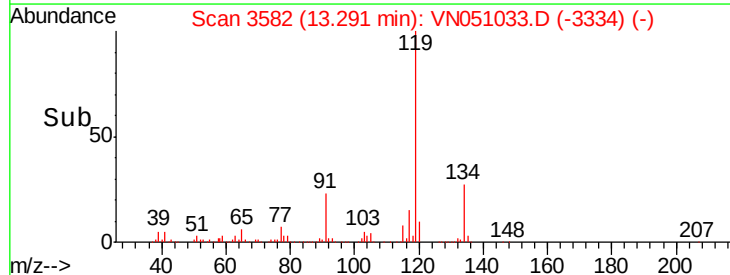
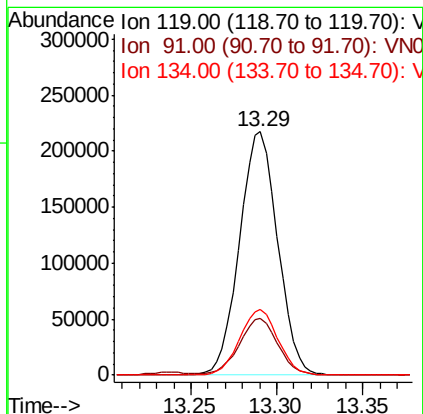
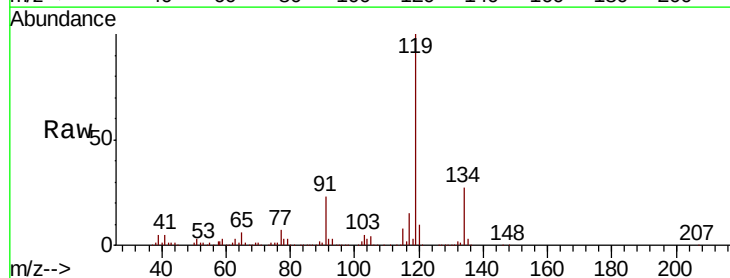
Ion	Ratio	Lower	Upper
75	100		
53	0.3	45.5	136.4#
89	0.0	21.9	65.8#

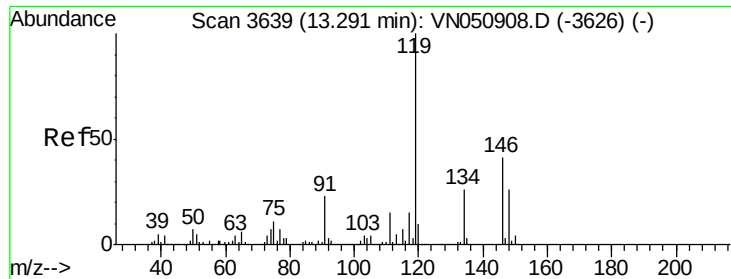


#79
tert-butylbenzene
Concen: 13.42 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.30 min
Lab File: VN051033.D
Acq: 6 Sep 2018 15:39

Tgt Ion: 119 Resp: 334797

Ion	Ratio	Lower	Upper
119	100		
91	23.3	0.0	125.6
134	26.9	0.0	48.4

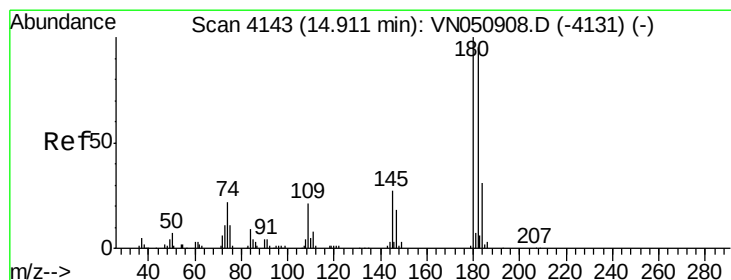
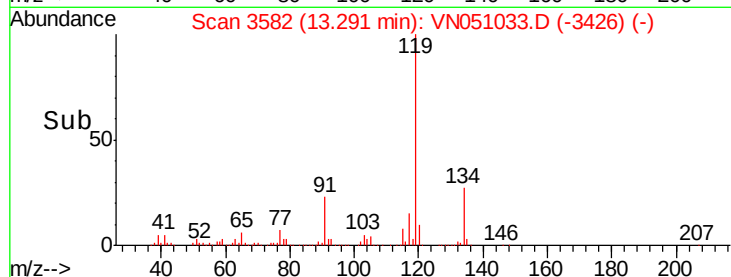
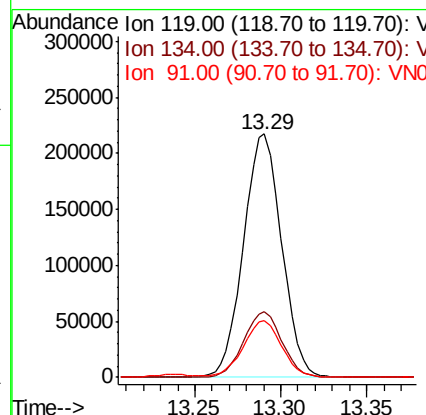
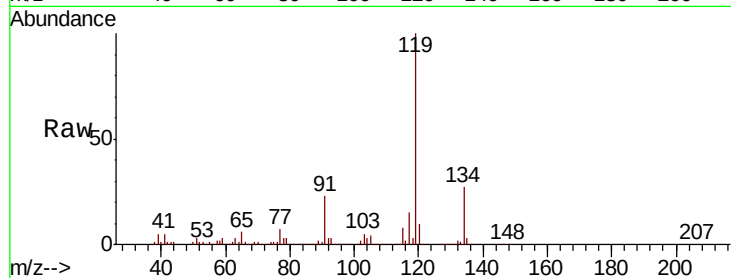




#82
 p-Isopropyltoluene
 Concen: 11.88 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051033.D
 Acq: 6 Sep 2018 15:39

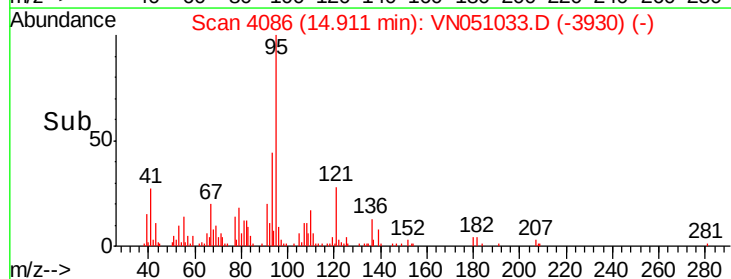
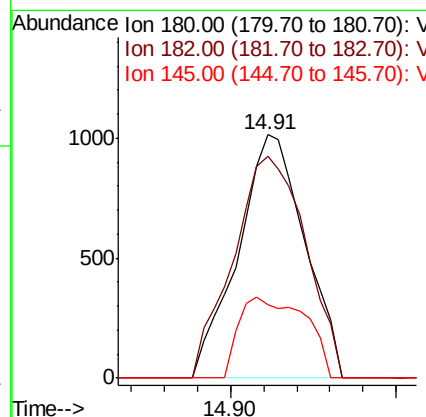
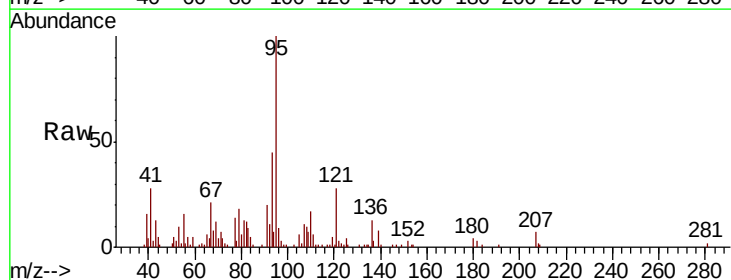
Instrument :
 MSVOA_N
 ClientSampleId :
 001M-WILLETS-PT-BLVD(SEP)

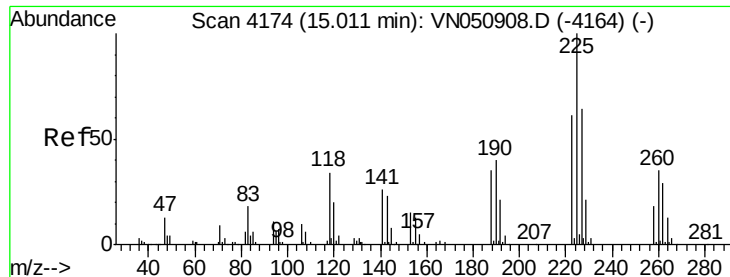
Tot Ion:119 Resp: 334797
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 53.2
 91 23.3 0.0 46.0



#89
 1,2,4-Trichlorobenzene
 Concen: 0.21 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051033.D
 Acq: 6 Sep 2018 15:39

Tgt Ion:180 Resp: 1420
 Ion Ratio Lower Upper
 180 100
 182 99.2 76.2 114.4
 145 33.1 22.2 33.4





#90

Hexachlorobutadiene

Concen: 0.33 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN051033.D

Acq: 6 Sep 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

001M-WILLETS-PT-BLVD(SEP)

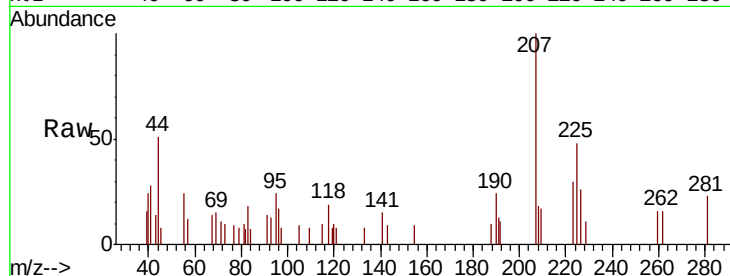
Tot Ion:225 Resp: 1538

Ion Ratio Lower Upper

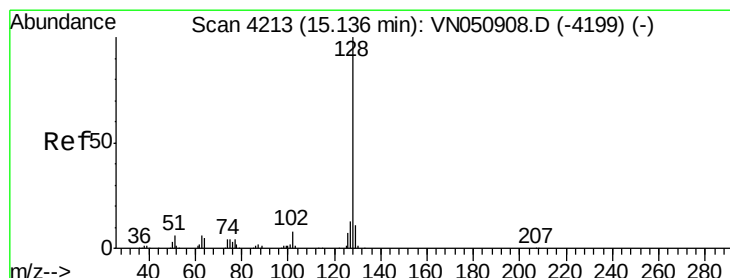
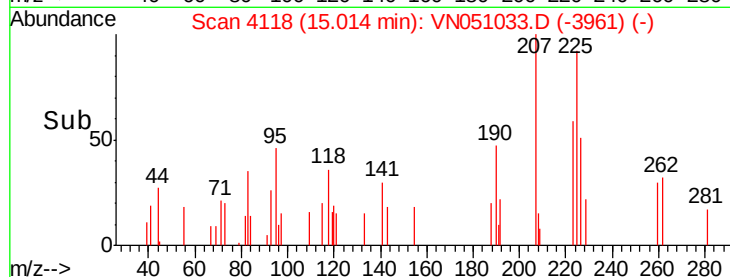
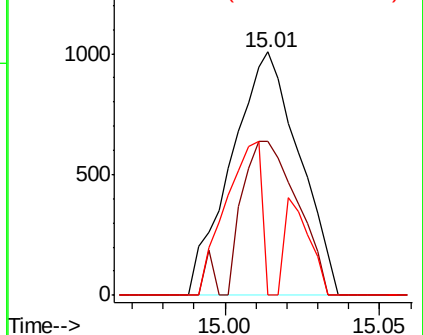
225 100

223 51.0 0.0 127.8

227 33.7 0.0 128.4



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 8.90 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051033.D

Acq: 6 Sep 2018 15:39

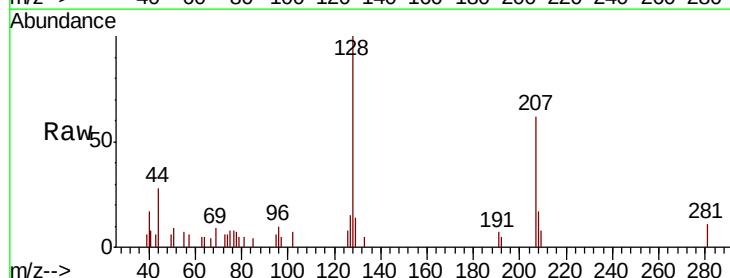
Tgt Ion:128 Resp: 6785

Ion Ratio Lower Upper

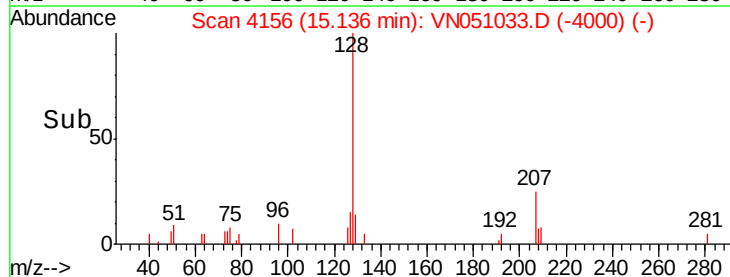
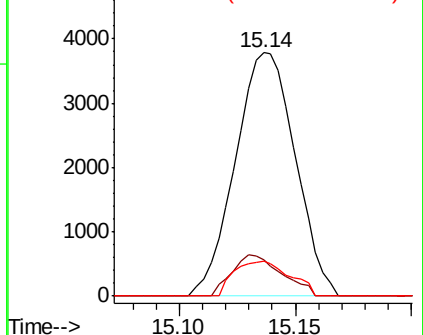
128 100

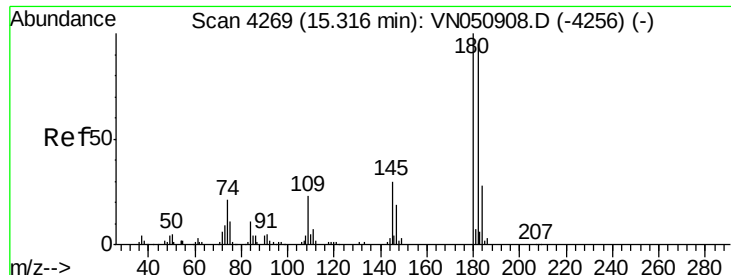
127 14.0 10.6 16.0

129 13.3 8.7 13.1#



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

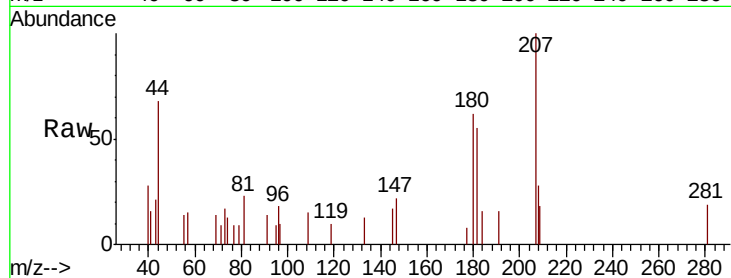




#92
 1,2,3-Trichlorobenzene
 Concen: 0.27 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN051033.D
 Acq: 6 Sep 2018 15:39

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

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	86.7	0.0	192.8	
145	24.1	0.0	60.0	



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

