

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063904.D
 Acq On : 6 Oct 2020 19:31
 Operator : JC/MD
 Sample : L4243-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(OCT)

Quant Time: Oct 07 04:14:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	49681	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	256549	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	240408	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	137030	30.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.37%
60) 4-Bromofluorobenzene	12.38	95	110266	26.82	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.40%
63) Toluene-d8	10.06	98	320497	29.42	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.07%

Target Compounds

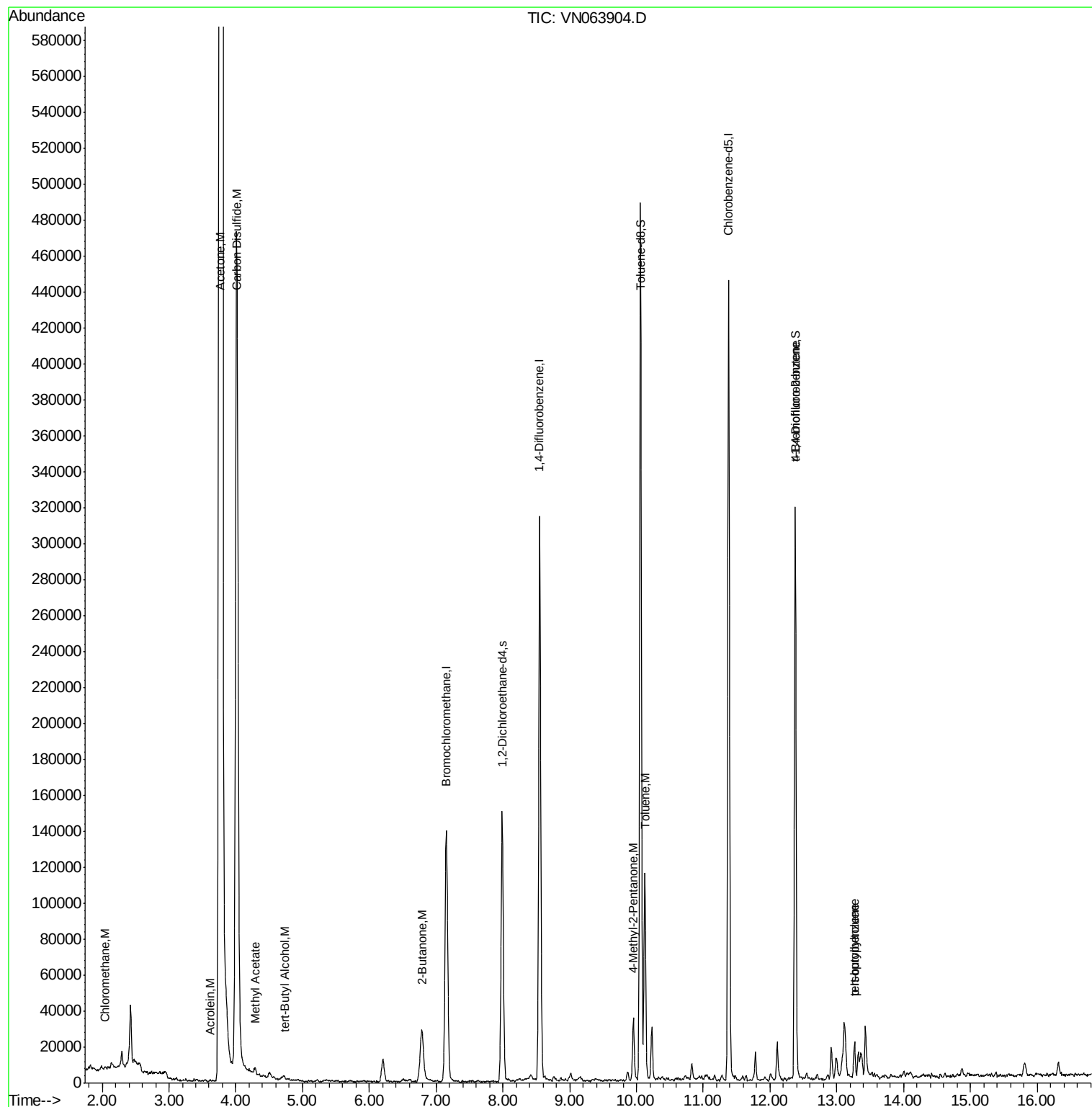
					Ovalue
3) Chloromethane	2.03	50	938	0.270 ug/l #	42
12) Methyl Acetate	4.29	43	3051	0.930 ug/l	98
13) Acrolein	3.62	56	152	0.476 ug/l	88
15) Acetone	3.77	58	1767917	4527.468 ug/l	74
16) Carbon Disulfide	4.01	76	7716	0.976 ug/l	95
23) tert-Butyl Alcohol	4.75	59	331	0.572 ug/l #	100
30) 2-Butanone	6.79	43	32013	14.528 ug/l #	92
58) 4-Methyl-2-Pentanone	9.95	43	22897	4.908 ug/l #	93
62) Toluene	10.13	91	82143	5.949 ug/l	98
77) t-1,4-Dichloro-2-butene	12.38	75	61147	37.366 ug/l #	12
79) tert-butylbenzene	13.26	119	2567	0.266 ug/l	83
82) p-Isopropyltoluene	13.26	119	2567	0.224 ug/l #	73

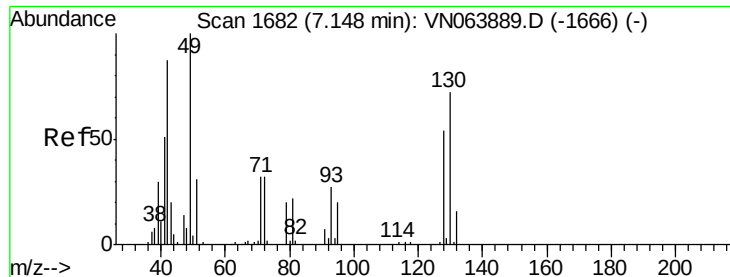
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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001-WILLETS-PT-BLVD(OCT)

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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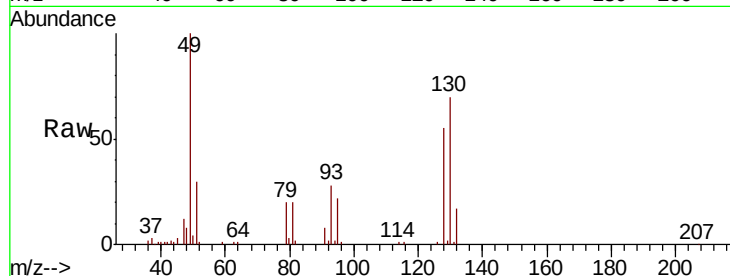




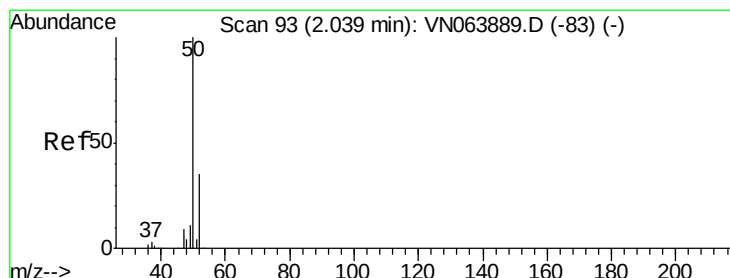
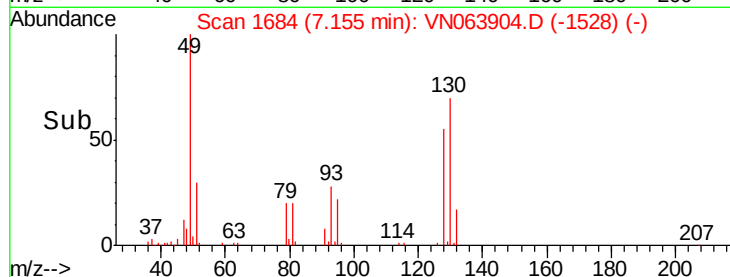
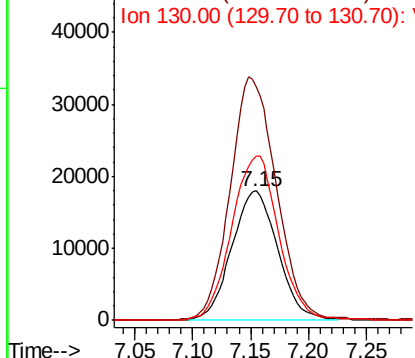
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN063904.D
Acq: 6 Oct 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(OCT)

Tot Ion:128 Resp: 49681
Ion Ratio Lower Upper
128 100
49 188.0 0.0 437.5
130 130.0 0.0 327.3

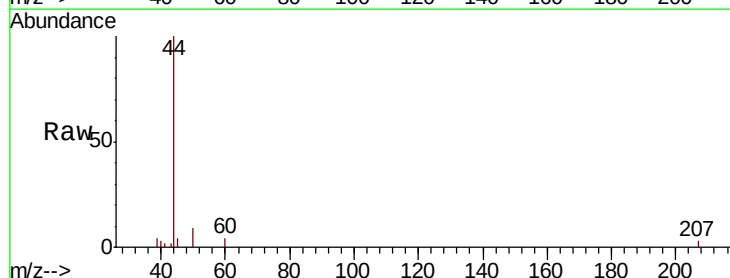


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

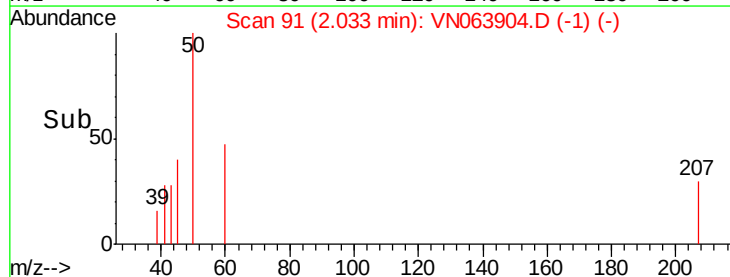
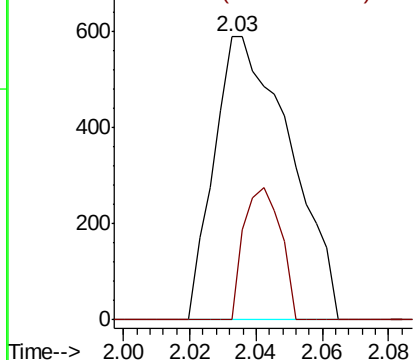


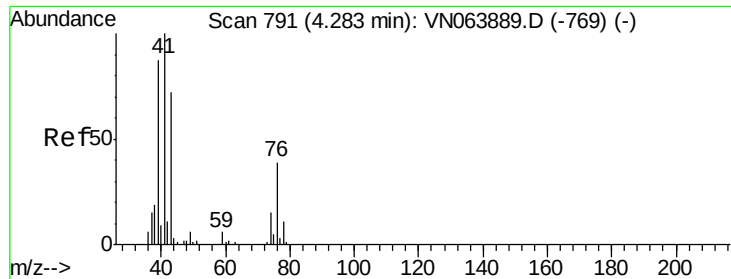
#3
Chloromethane
Concen: 0.270 ug/l
RT: 2.03 min Scan# 91
Delta R.T. -0.00 min
Lab File: VN063904.D
Acq: 6 Oct 2020 19:31

Tgt Ion: 50 Resp: 938
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#



Abundance Ion 50.00 (49.70 to 50.70): VN
Ion 52.00 (51.70 to 52.70): VN

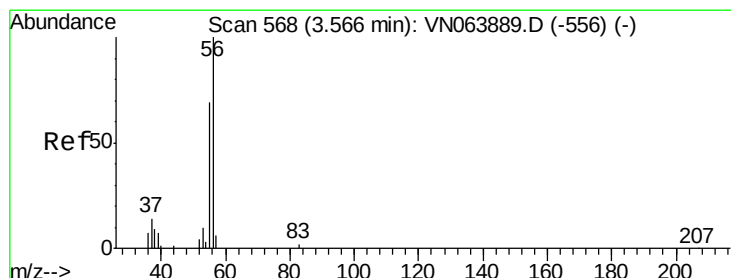
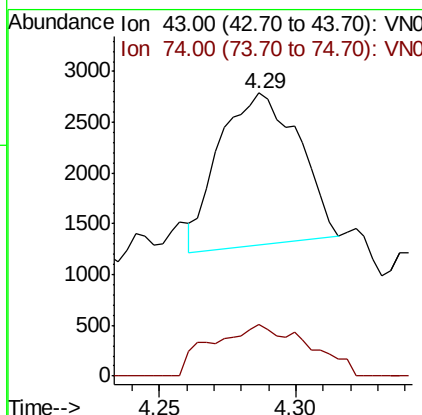
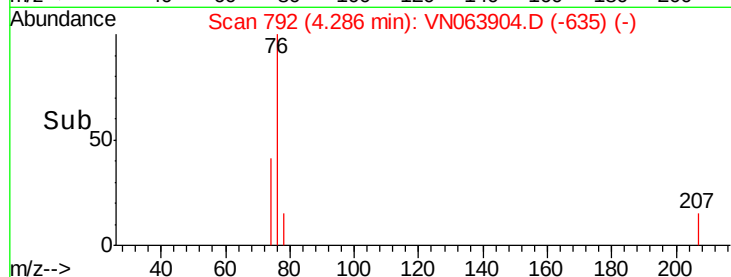
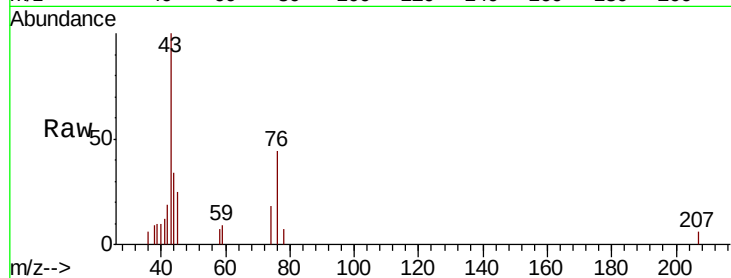




#12
Methyl Acetate
Concen: 0.930 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN063904.D
Acq: 6 Oct 2020 19:31

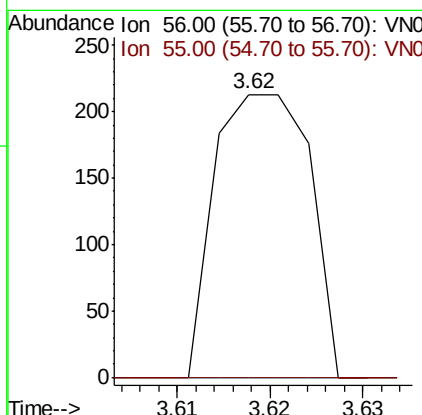
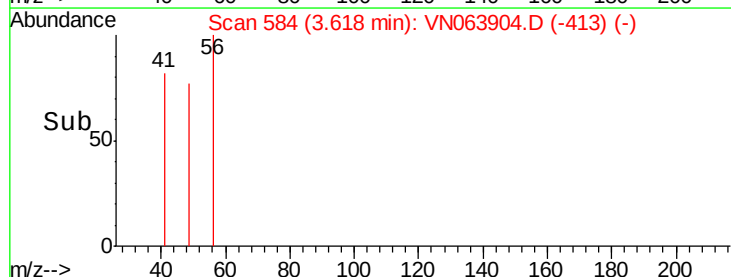
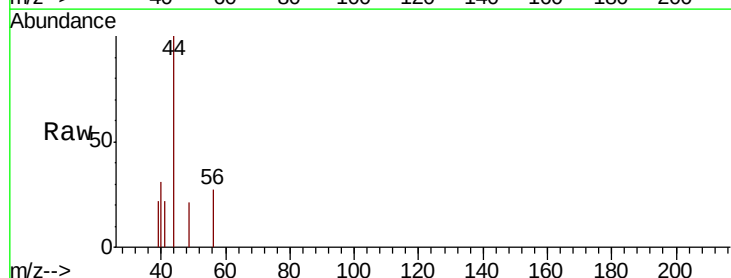
Instrument :
MSVOA_N
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001-WILLETS-PT-BLVD(OCT)

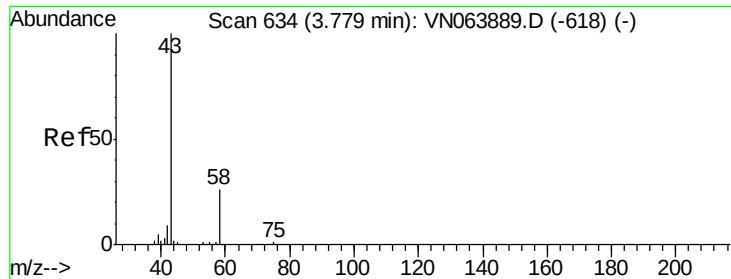
Tot Ion: 43 Resp: 3051
Ion Ratio Lower Upper
43 100
74 22.4 18.6 27.8



#13
Acrolein
Concen: 0.476 ug/l
RT: 3.62 min Scan# 584
Delta R.T. 0.05 min
Lab File: VN063904.D
Acq: 6 Oct 2020 19:31

Tgt Ion: 56 Resp: 152
Ion Ratio Lower Upper
56 100
55 63.2 58.7 88.1





#15

Acetone

Concen: 4527.468 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063904.D

Acq: 6 Oct 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

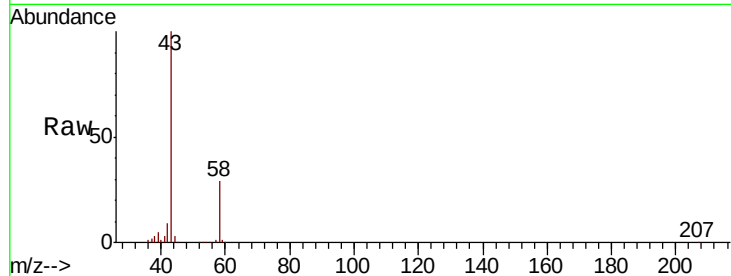
001-WILLETS-PT-BLVD(OCT)

Tot Ion: 58 Resp: 1767917

Ion Ratio Lower Upper

58 100

43 342.5 233.2 349.8



Abundance Ion 58.00 (57.70 to 58.70): VN063889.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN063889.D (-618) (-)

2500000

2000000

1500000

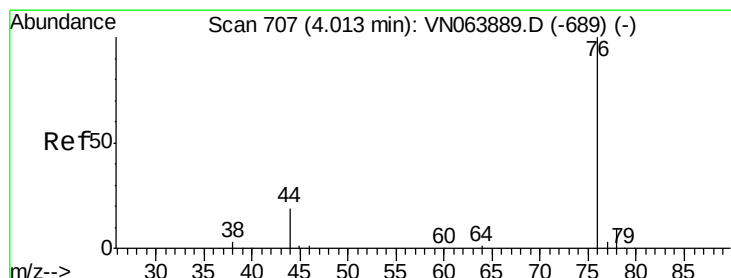
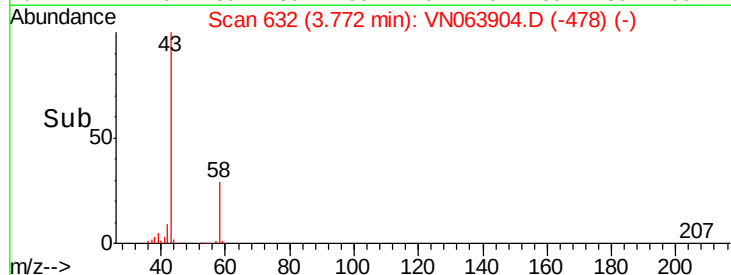
1000000

500000

0

3.70 3.77 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 0.976 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN063904.D

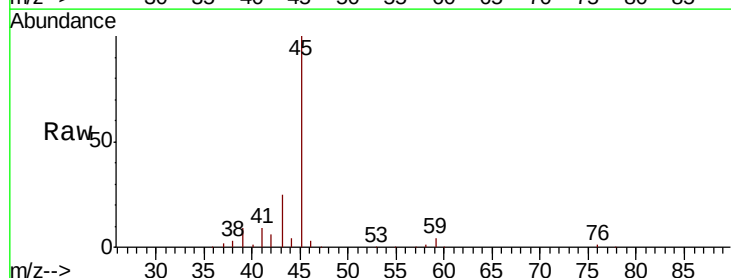
Acq: 6 Oct 2020 19:31

Tgt Ion: 76 Resp: 7716

Ion Ratio Lower Upper

76 100

78 10.3 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VN063889.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN063889.D (-689) (-)

3000

2500

2000

1500

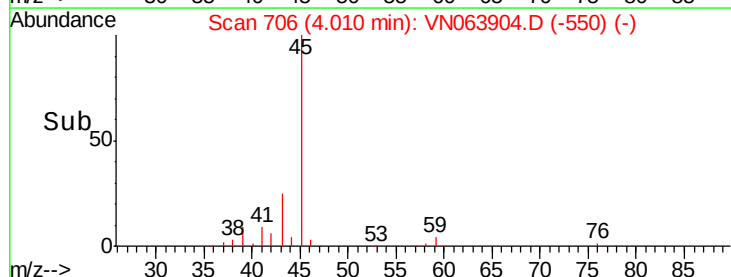
1000

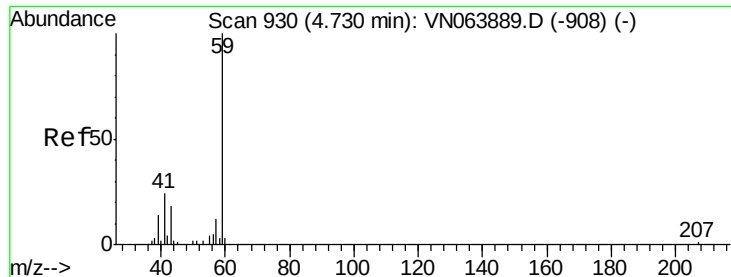
500

0

3.95 4.00 4.01 4.05

Time-->

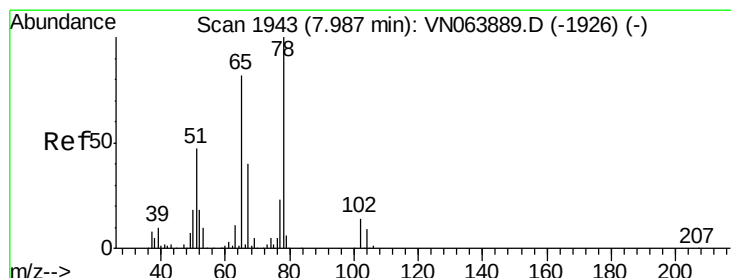
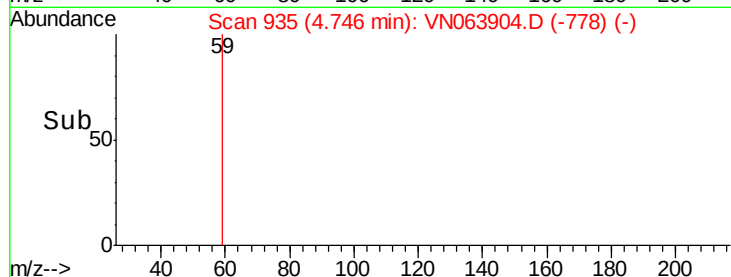
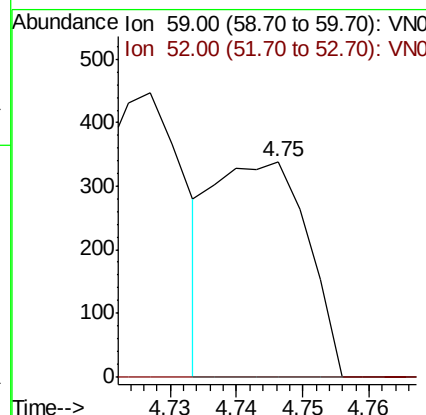
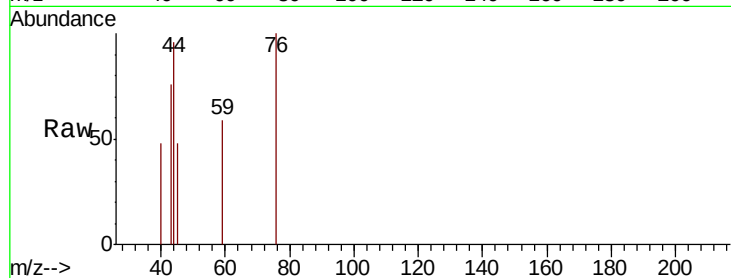




#23
 tert-Butyl Alcohol
 Concen: 0.572 ug/l
 RT: 4.75 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN063904.D
 Acq: 6 Oct 2020 19:31

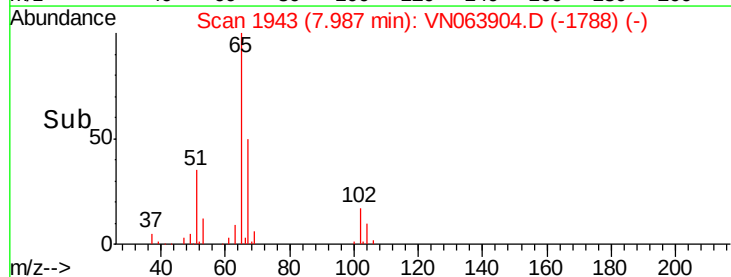
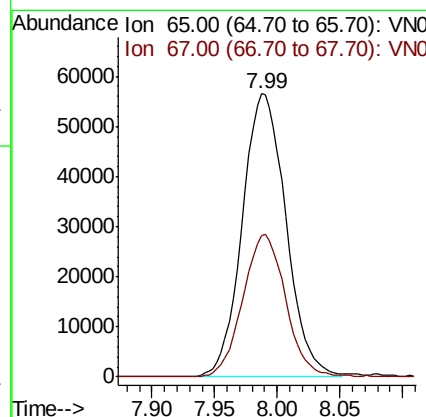
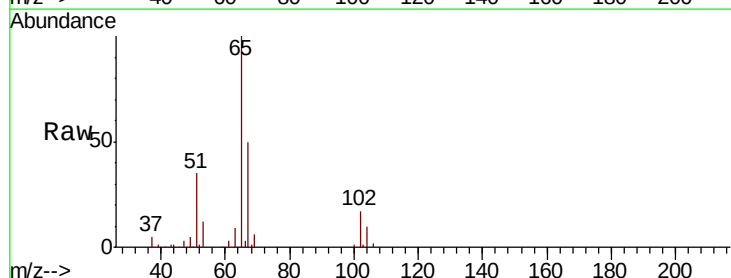
Instrument :
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 001-WILLETS-PT-BLVD(OCT)

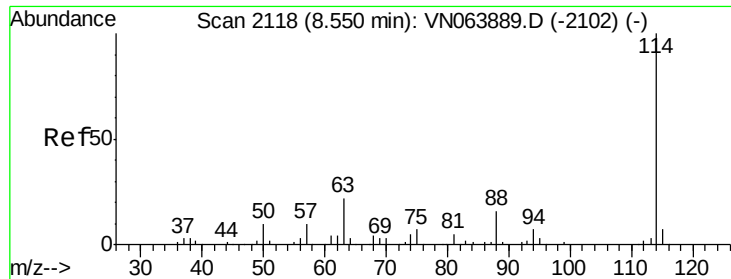
Tot Ion: 59 Resp: 331
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#27
 1,2-Dichloroethane-d4
 Concen: 30.711 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063904.D
 Acq: 6 Oct 2020 19:31

Tgt Ion: 65 Resp: 137030
 Ion Ratio Lower Upper
 65 100
 67 49.2 43.8 65.6

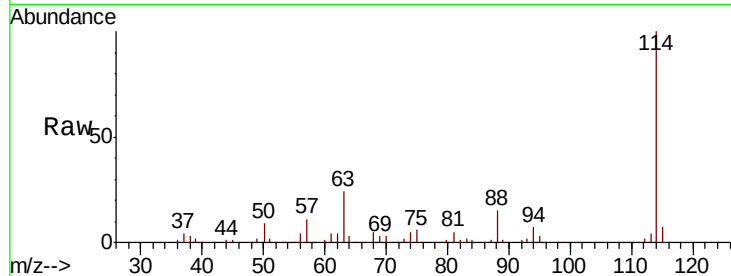




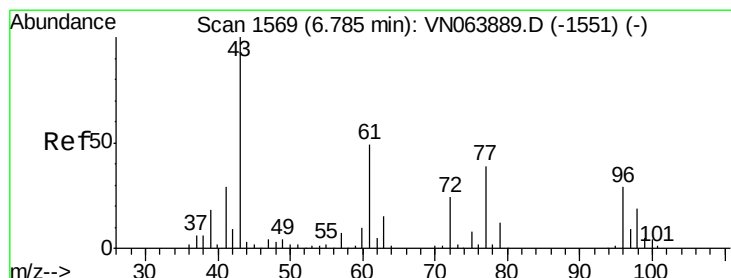
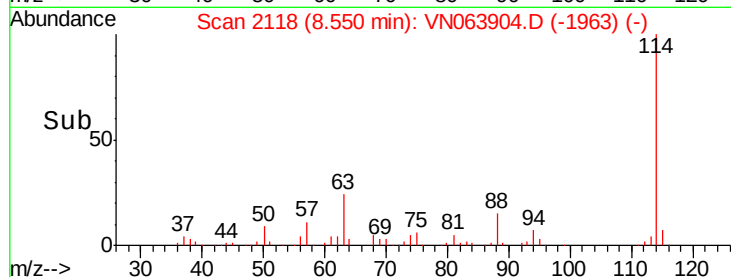
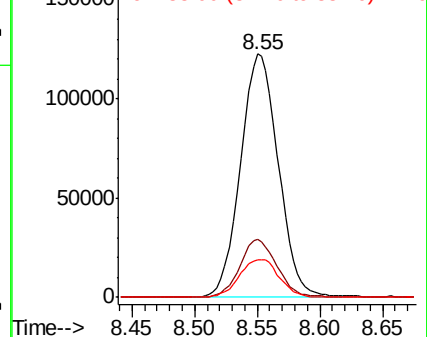
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063904.D
 Acq: 6 Oct 2020 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(OCT)

Tot Ion:114 Resp: 256549
 Ion Ratio Lower Upper
 114 100
 63 23.2 17.0 25.6
 88 16.5 12.6 18.8

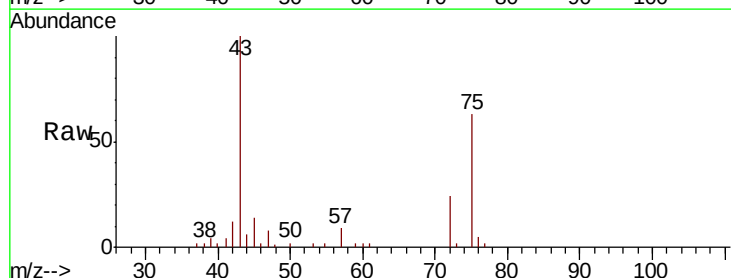


Abundance Ion 114.00 (113.70 to 114.70): VN063889.D (-2102) (-)
 Ion 63.00 (62.70 to 63.70): VN063889.D (-2102) (-)
 Ion 88.00 (87.70 to 88.70): VN063889.D (-2102) (-)

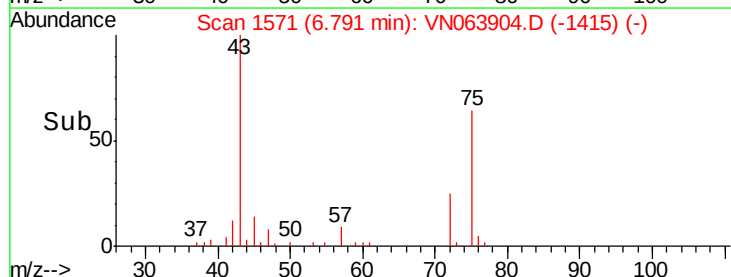
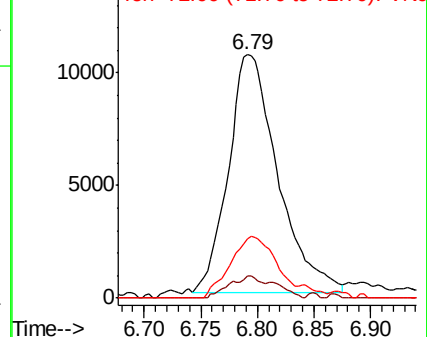


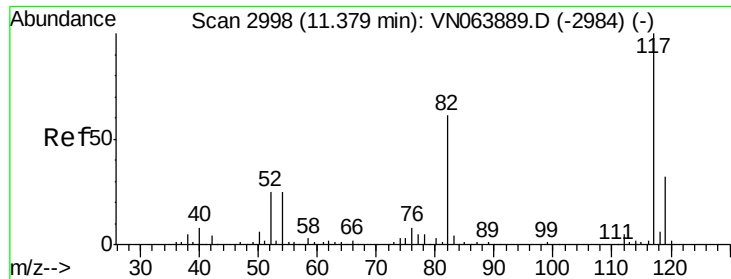
#30
 2-Butanone
 Concen: 14.528 ug/l
 RT: 6.79 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN063904.D
 Acq: 6 Oct 2020 19:31

Tgt Ion: 43 Resp: 32013
 Ion Ratio Lower Upper
 43 100
 57 1.3 6.6 9.8#
 72 24.1 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VN063889.D (-1551) (-)
 Ion 57.00 (56.70 to 57.70): VN063889.D (-1551) (-)
 Ion 72.00 (71.70 to 72.70): VN063889.D (-1551) (-)

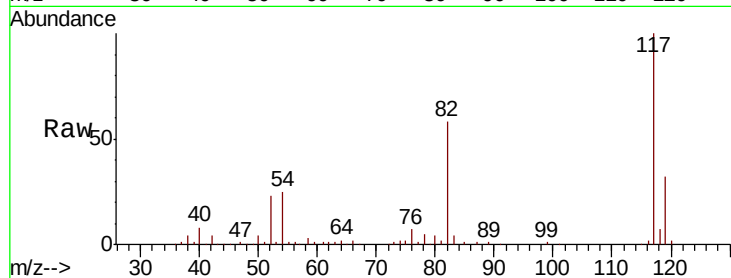




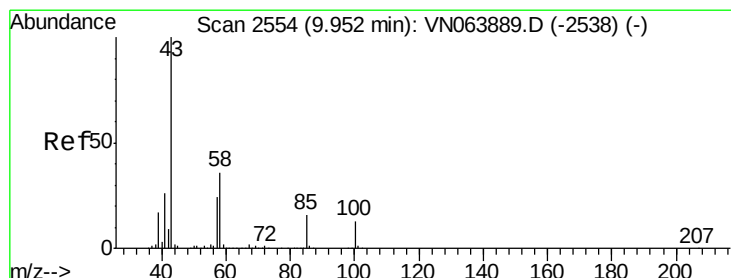
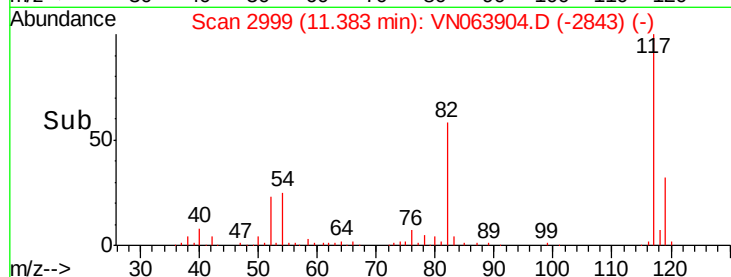
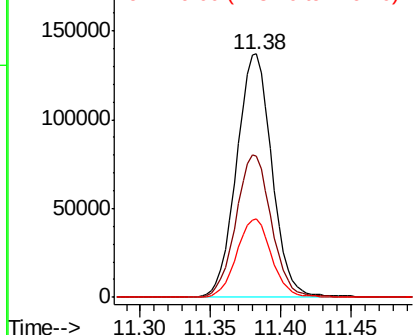
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063904.D
Acq: 6 Oct 2020 19:31

Instrument :
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ClientSampleId :
001-WILLETS-PT-BLVD(OCT)

Tot Ion:117 Resp: 240408
Ion Ratio Lower Upper
117 100
82 59.0 44.9 67.3
119 31.6 26.0 39.0

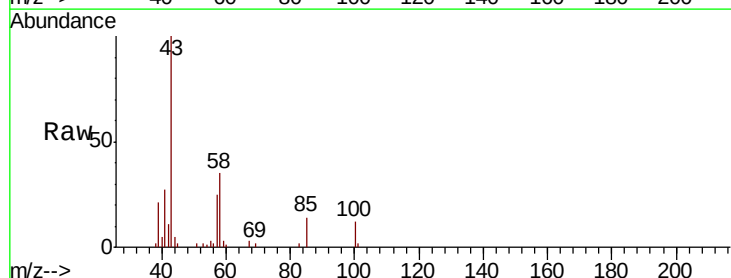


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

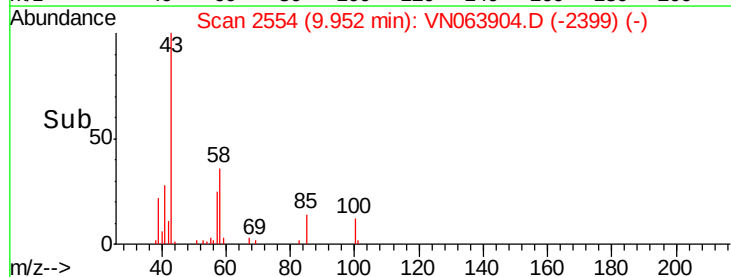
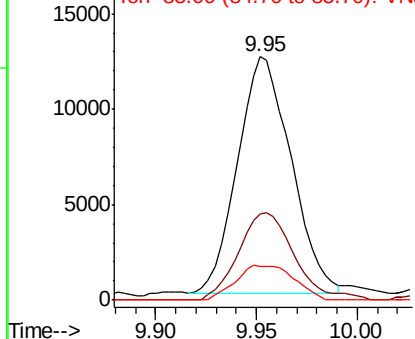


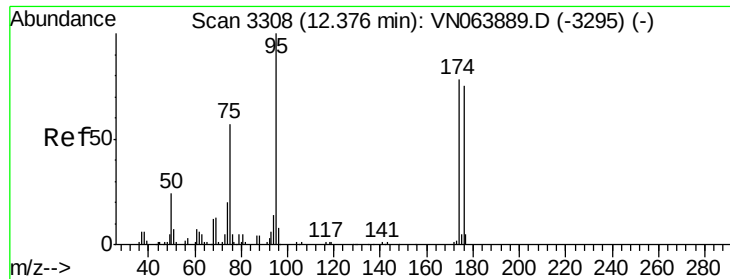
#58
4-Methyl-2-Pentanone
Concen: 4.908 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063904.D
Acq: 6 Oct 2020 19:31

Tgt Ion: 43 Resp: 22897
Ion Ratio Lower Upper
43 100
58 37.7 31.4 47.0
85 9.0 13.4 20.2#



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

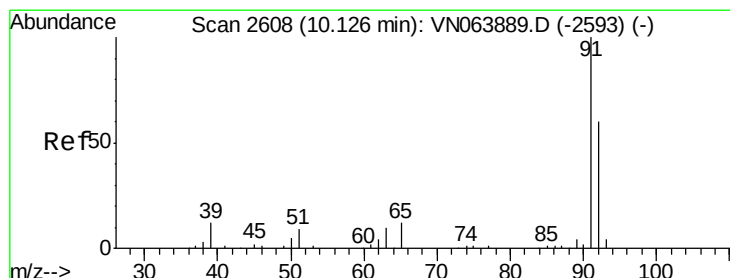
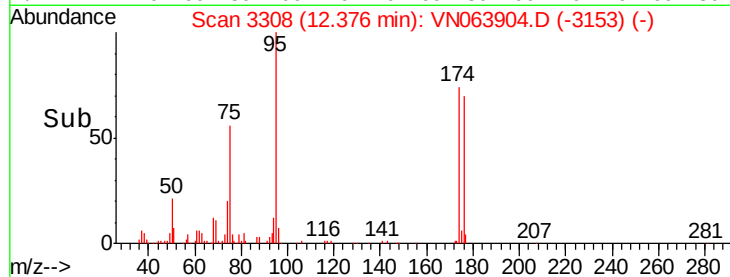
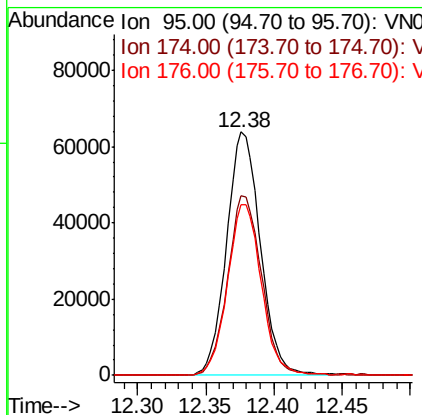
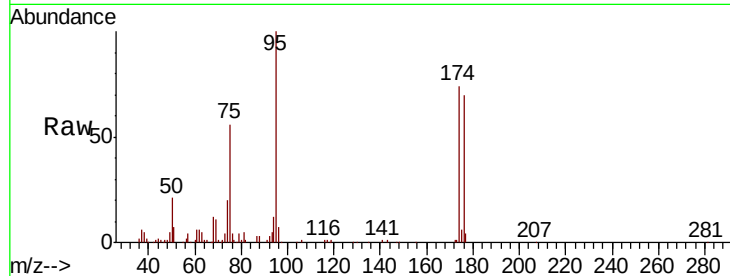




#60
4-Bromofluorobenzene
Concen: 26.821 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063904.D
Acq: 6 Oct 2020 19:31

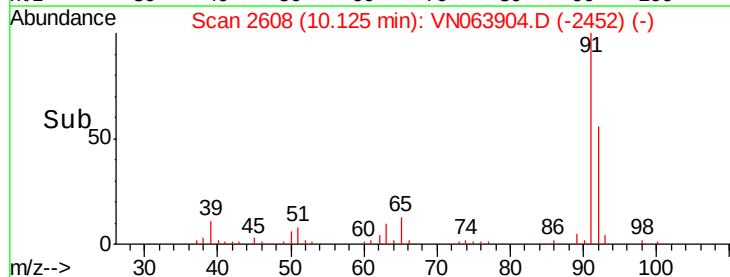
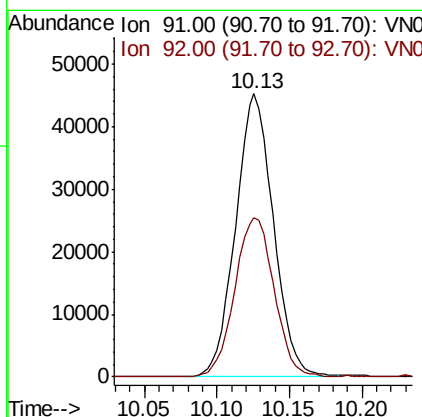
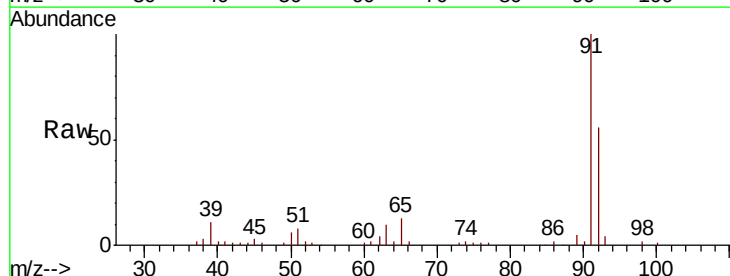
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(OCT)

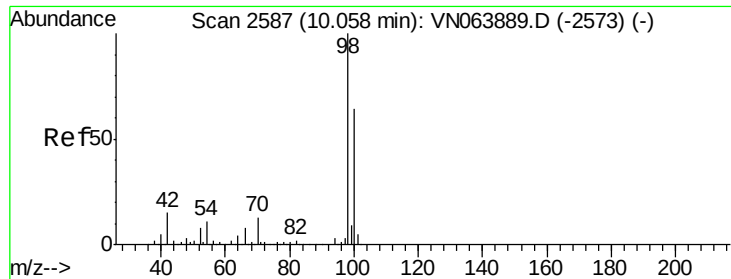
Tot Ion: 95 Resp: 110266
Ion Ratio Lower Upper
95 100
174 74.2 70.1 105.1
176 70.3 66.8 100.2



#62
Toluene
Concen: 5.949 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063904.D
Acq: 6 Oct 2020 19:31

Tgt Ion: 91 Resp: 82143
Ion Ratio Lower Upper
91 100
92 58.3 45.5 68.3





#63

Toluene-d8

Concen: 29.417 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063904.D

Acq: 6 Oct 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

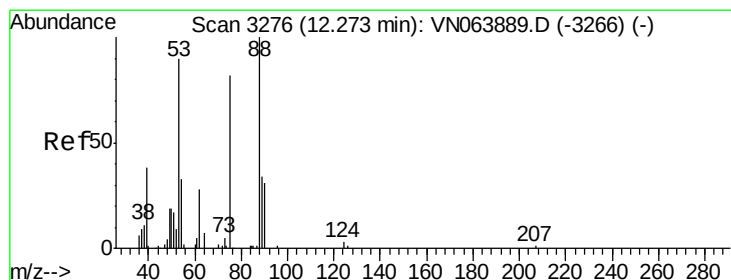
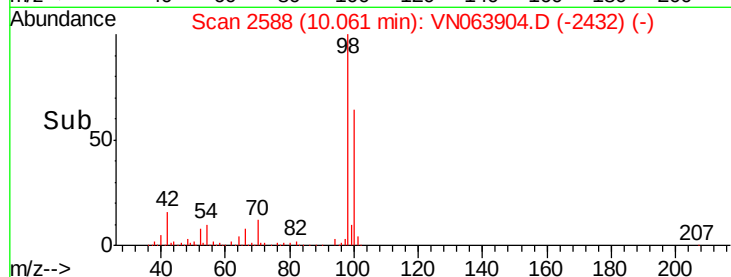
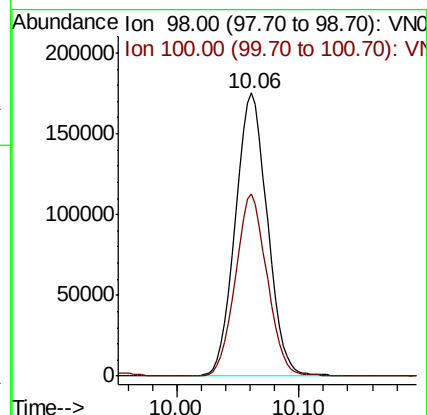
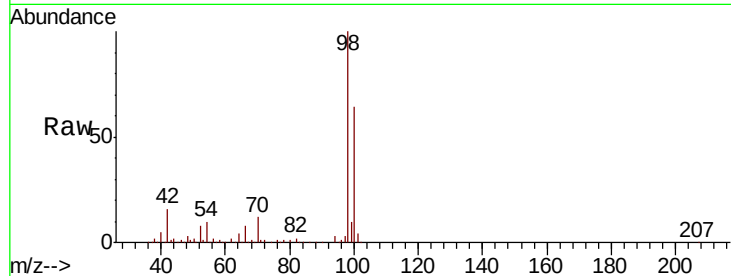
001-WILLETS-PT-BLVD(OCT)

Tot Ion: 98 Resp: 320497

Ion Ratio Lower Upper

98 100

100 63.7 51.4 77.2



#77

t-1,4-Dichloro-2-butene

Concen: 37.366 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063904.D

Acq: 6 Oct 2020 19:31

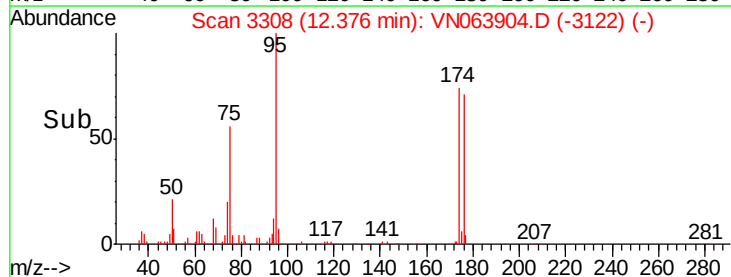
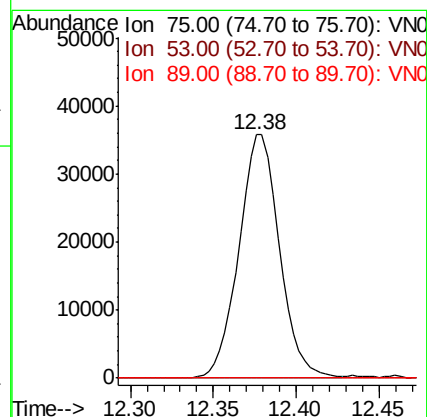
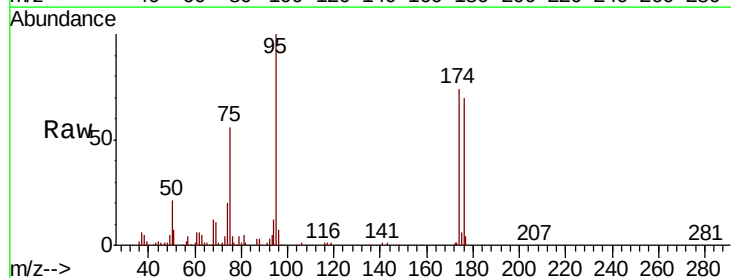
Tgt Ion: 75 Resp: 61147

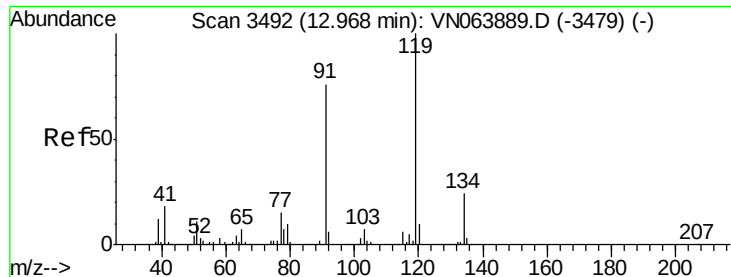
Ion Ratio Lower Upper

75 100

53 0.0 47.0 141.0#

89 0.0 22.9 68.7#

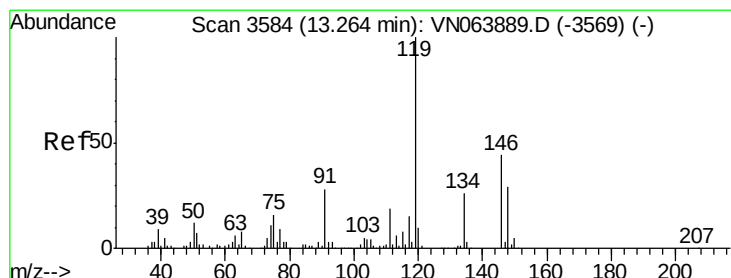
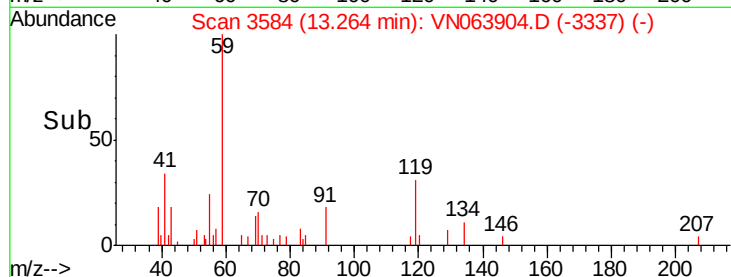
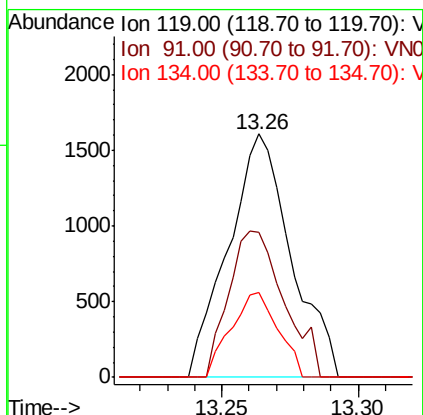
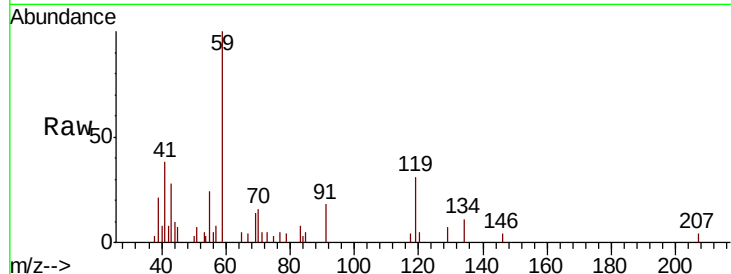




#79
tert-butylbenzene
Concen: 0.266 ug/l
RT: 13.26 min Scan# 3584
Delta R.T. 0.29 min
Lab File: VN063904.D
Acq: 6 Oct 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(OCT)

Tot Ion:119 Resp: 2567
Ion Ratio Lower Upper
119 100
91 50.5 0.0 136.8
134 26.1 0.0 48.8



#82
p-Isopropyltoluene
Concen: 0.224 ug/l
RT: 13.26 min Scan# 3584
Delta R.T. -0.00 min
Lab File: VN063904.D
Acq: 6 Oct 2020 19:31

Tgt Ion:119 Resp: 2567
Ion Ratio Lower Upper
119 100
134 26.1 0.0 52.2
91 50.5 0.0 46.2#

