

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081420\
 Data File : VN062936.D
 Acq On : 14 Aug 2020 13:14
 Operator : JC/MD
 Sample : L3603-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD-(AUG)

Quant Time: Aug 14 14:43:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 06:20:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	29080	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	136579	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	128411	30.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane-d4		7.99	65	75518	29.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.90%	
60) 4-Bromofluorobenzene		12.38	95	51824	22.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	76.40%	
63) Toluene-d8		10.06	98	175061	29.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.17%	

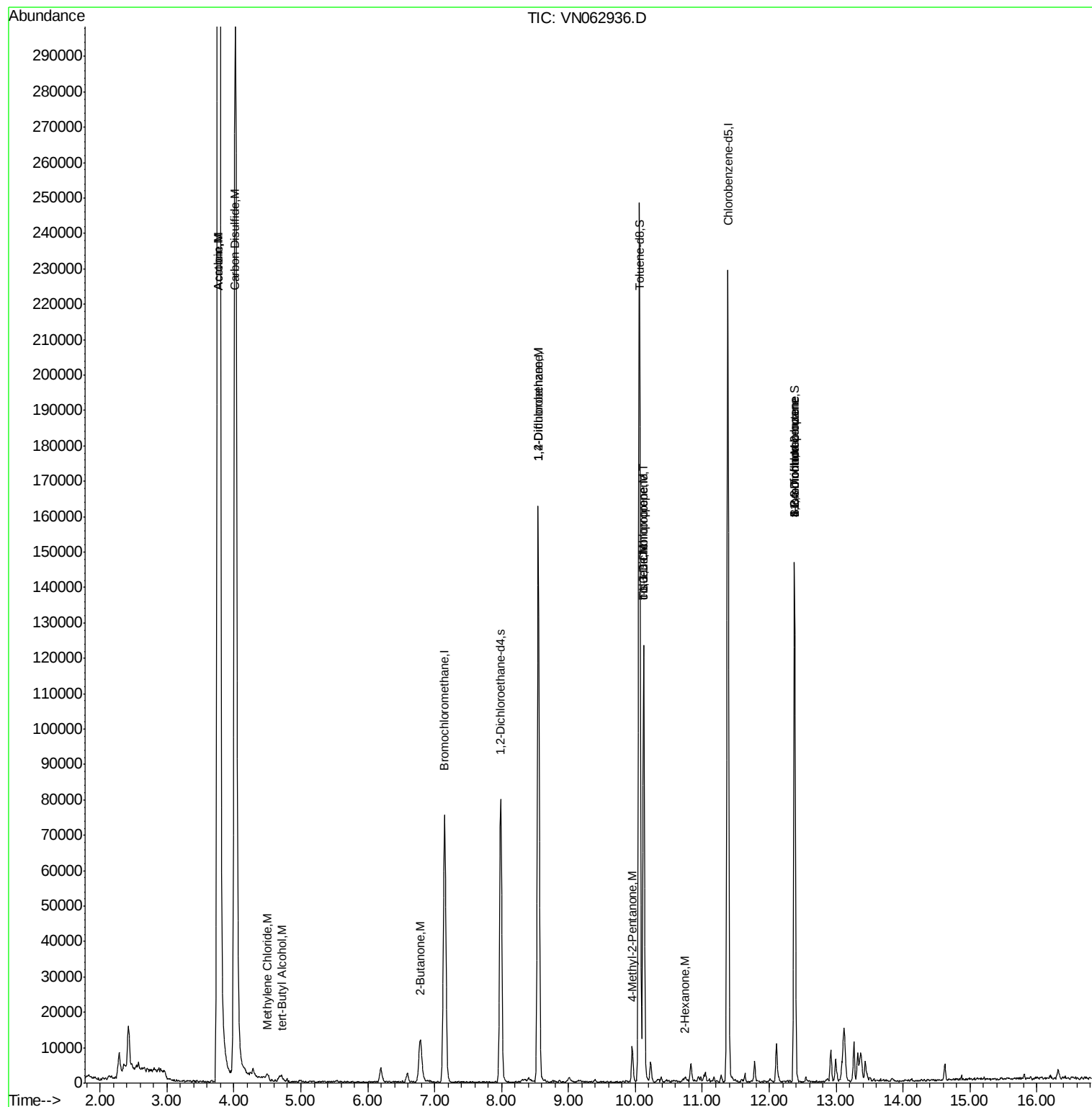
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.77	56	114	0.439	ug/l #	1
15) Acetone	3.77	58	489023	2064.013	ug/l	95
16) Carbon Disulfide	4.00	76	2487	0.650	ug/l #	76
18) Methylene Chloride	4.51	84	1165	0.671	ug/l #	76
23) tert-Butyl Alcohol	4.71	59	275	0.725	ug/l #	100
30) 2-Butanone	6.79	43	16009	15.393	ug/l #	69
36) 1,2-Dichloroethane	8.55	62	4986	1.895	ug/l #	78
48) t-1,3-Dichloropropene	10.12	75	598	0.228	ug/l #	1
49) cis-1,3-Dichloropropene	10.12	75	598	0.227	ug/l #	1
56) Bromoform	12.38	173	380	0.278	ug/l #	1
58) 4-Methyl-2-Pentanone	9.95	43	7349	3.289	ug/l #	89
59) 2-Hexanone	10.73	43	472	0.289	ug/l #	34
62) Toluene	10.12	91	92120	13.606	ug/l	99
72) 1,2,3-Trichloropropane	12.38	75	28089	11.305	ug/l	1
77) t-1,4-Dichloro-2-butene	12.38	75	28089	35.107	ug/l #	8

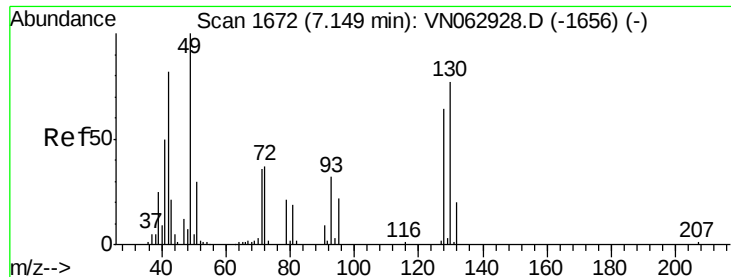
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 14 06:20:27 2020
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN062936.D

Acq: 14 Aug 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD-(AUG)

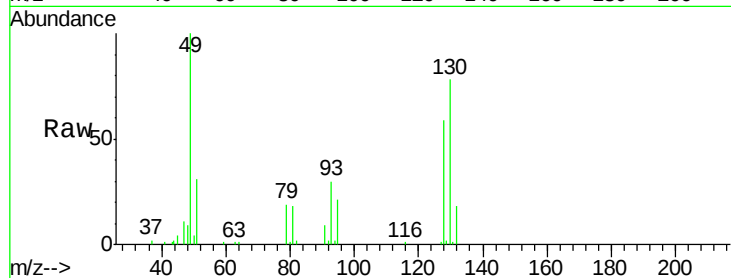
Tgt Ion:128 Resp: 29080

Ion Ratio Lower Upper

128 100

49 167.5 0.0 410.0

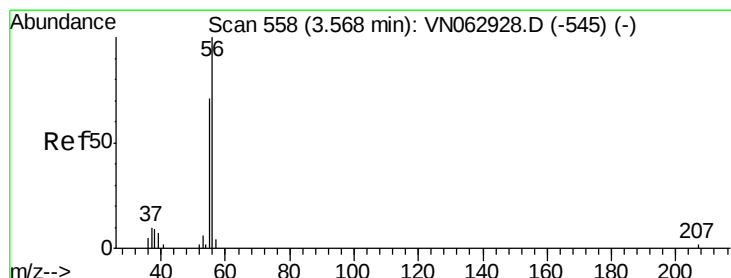
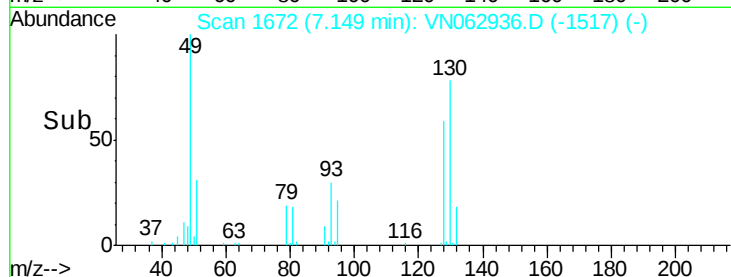
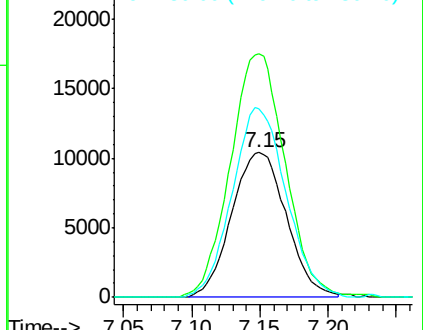
130 129.4 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#13

Acrolein

Concen: 0.439 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.21 min

Lab File: VN062936.D

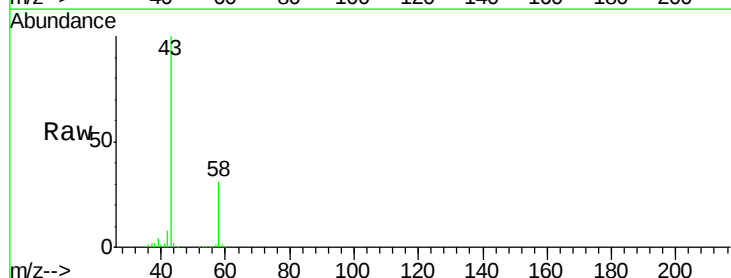
Acq: 14 Aug 2020 13:14

Tgt Ion: 56 Resp: 114

Ion Ratio Lower Upper

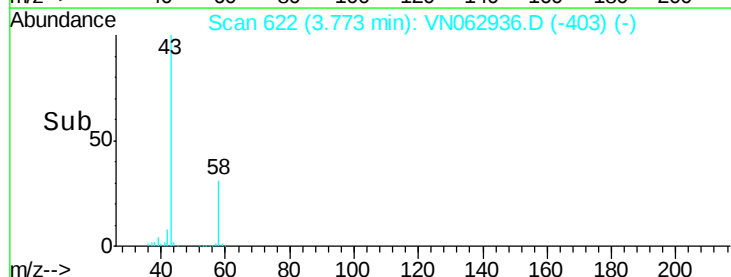
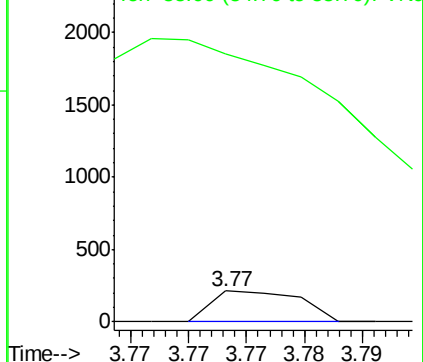
56 100

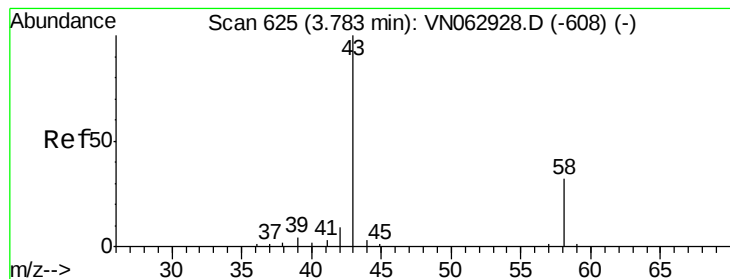
55 4054.4 60.2 90.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#15

Acetone

Concen: 2064.013 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.01 min

Lab File: VN062936.D

Acq: 14 Aug 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

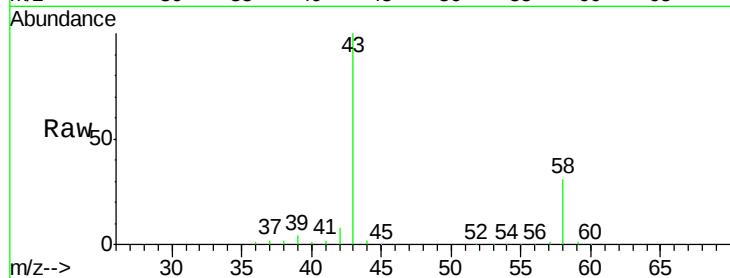
001-WILLETS-PT-BLVD-(AUG)

Tgt Ion: 58 Resp: 489023

Ion Ratio Lower Upper

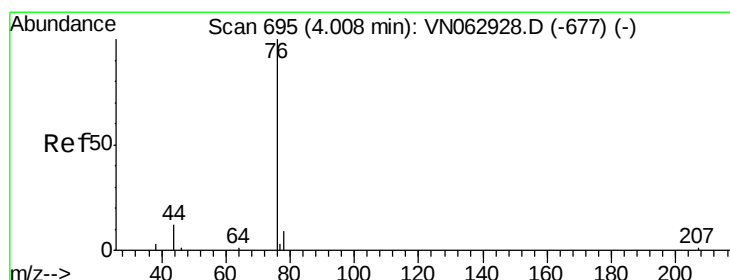
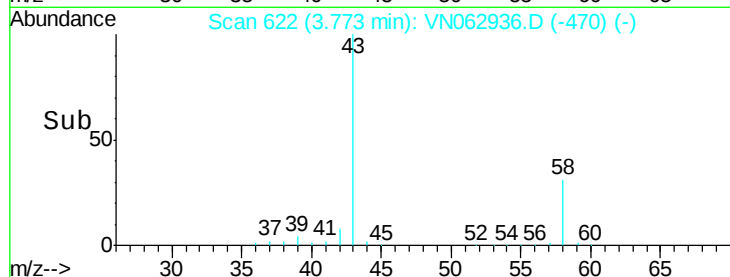
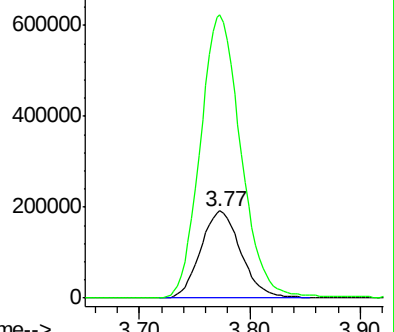
58 100

43 323.4 250.0 375.0



Abundance Ion 58.00 (57.70 to 58.70): VN062928.D (-608) (-)

Ion 43.00 (42.70 to 43.70): VN062928.D (-608) (-)



#16

Carbon Disulfide

Concen: 0.650 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062936.D

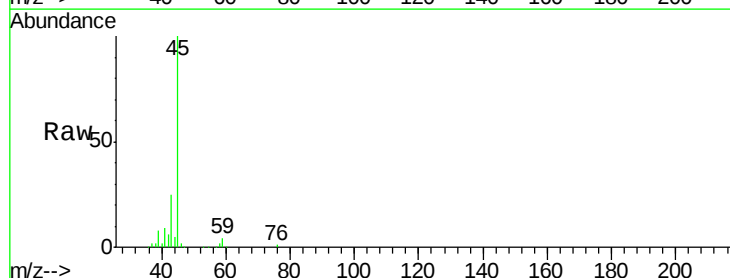
Acq: 14 Aug 2020 13:14

Tgt Ion: 76 Resp: 2487

Ion Ratio Lower Upper

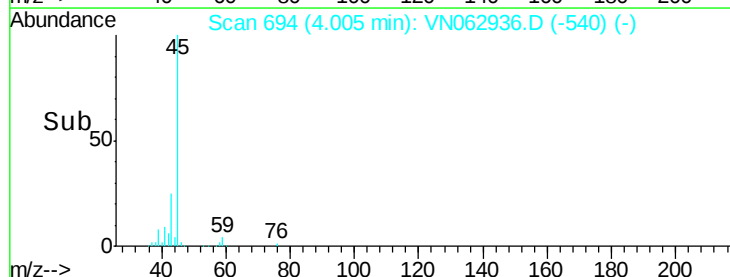
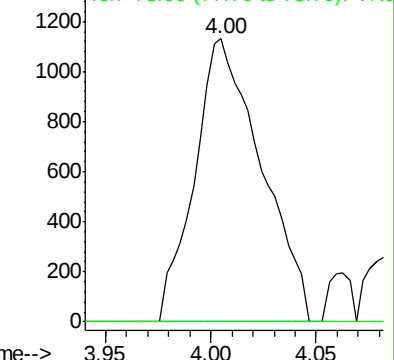
76 100

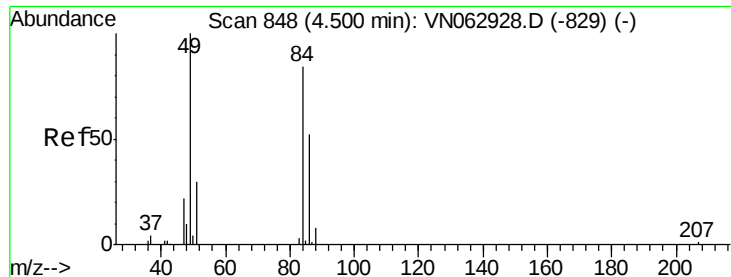
78 0.0 7.0 10.6#



Abundance Ion 76.00 (75.70 to 76.70): VN062928.D (-677) (-)

Ion 78.00 (77.70 to 78.70): VN062928.D (-677) (-)

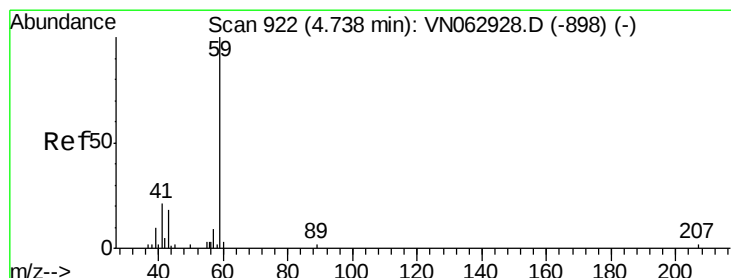
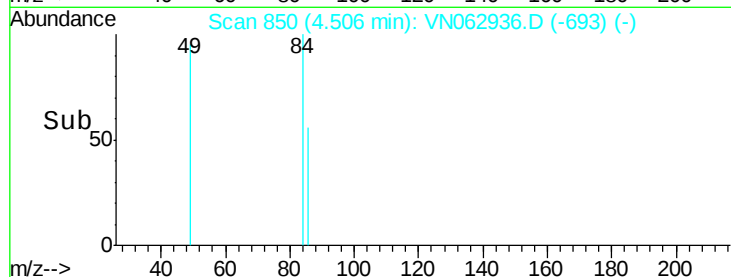
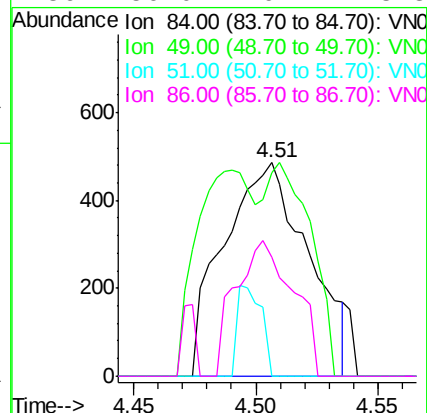
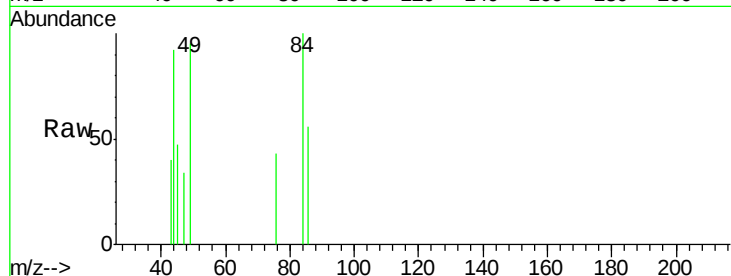




#18
Methylene Chloride
Concen: 0.671 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062936.D
Acq: 14 Aug 2020 13:14

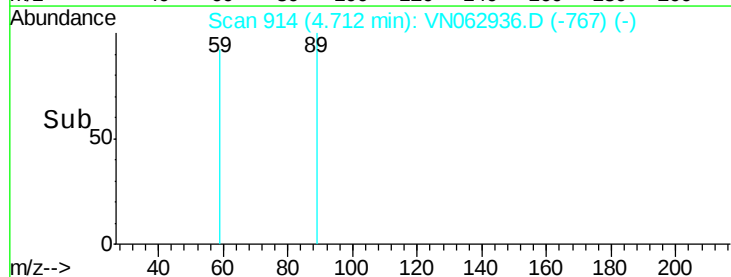
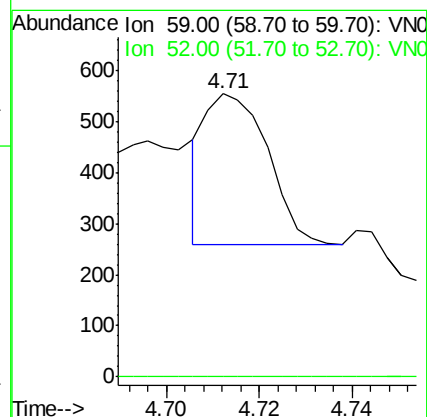
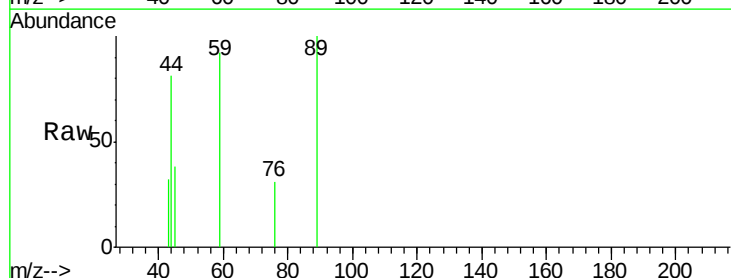
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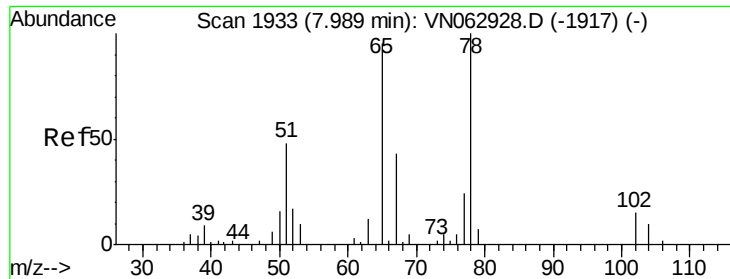
Tgt Ion:	84	Resp:	1165
Ion	Ratio	Lower	Upper
84	100		
49	95.5	95.0	142.6
51	0.0	28.2	42.4#
86	56.0	49.2	73.8



#23
tert-Butyl Alcohol
Concen: 0.725 ug/l
RT: 4.71 min Scan# 914
Delta R.T. -0.03 min
Lab File: VN062936.D
Acq: 14 Aug 2020 13:14

Tgt Ion:	59	Resp:	275
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

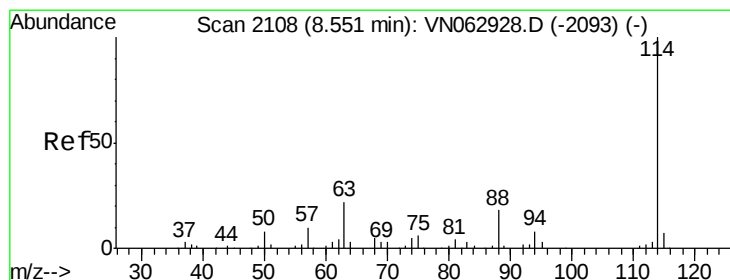
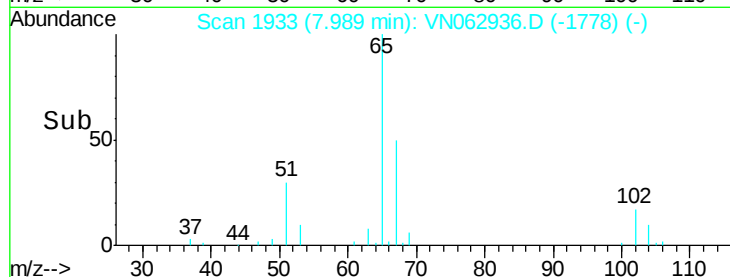
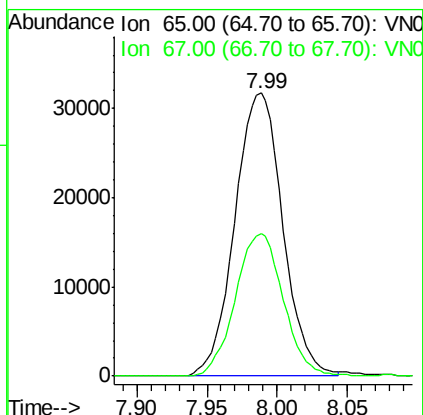
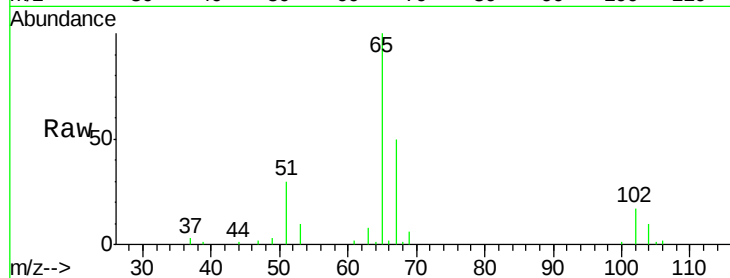




#27
 1,2-Dichloroethane-d4
 Concen: 29.071 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062936.D
 Acq: 14 Aug 2020 13:14

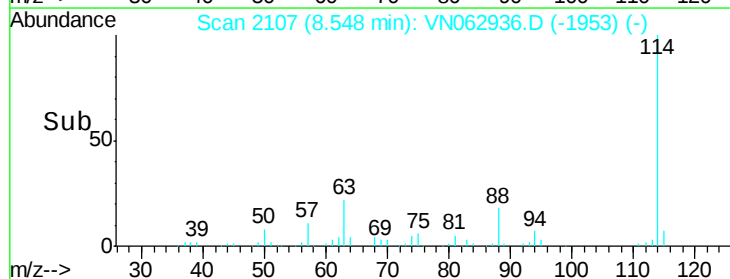
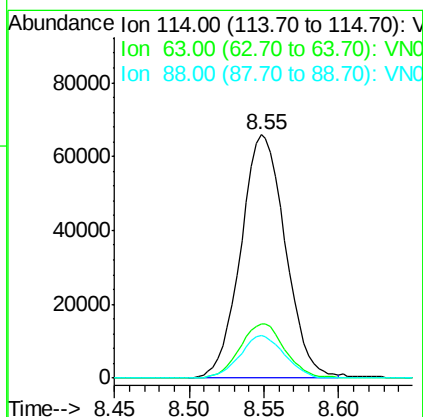
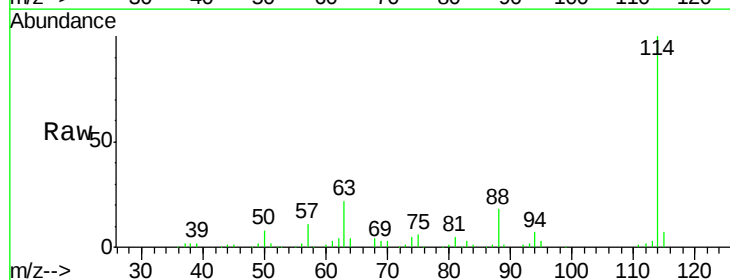
Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD-(AUG)

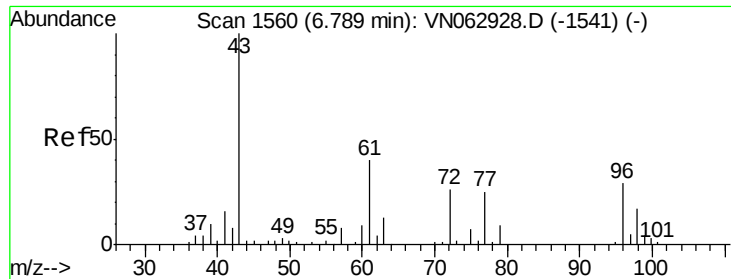
Tgt Ion: 65 Resp: 75518
 Ion Ratio Lower Upper
 65 100
 67 50.2 39.5 59.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062936.D
 Acq: 14 Aug 2020 13:14

Tgt Ion: 114 Resp: 136579
 Ion Ratio Lower Upper
 114 100
 63 22.6 17.7 26.5
 88 17.5 13.9 20.9

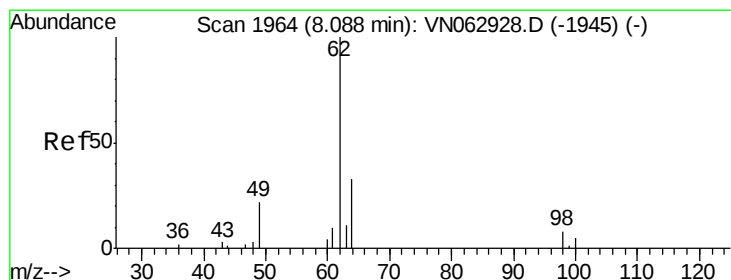
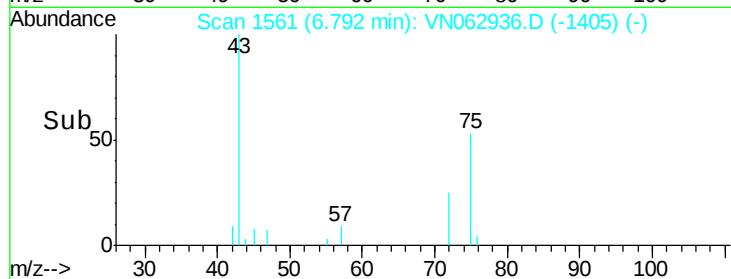
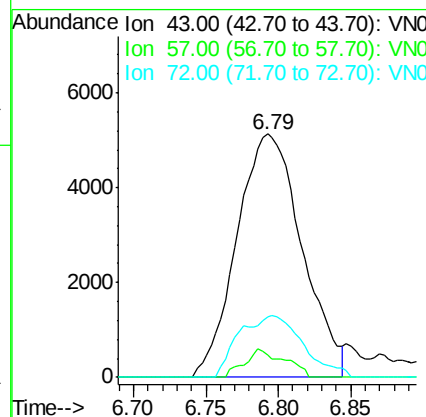
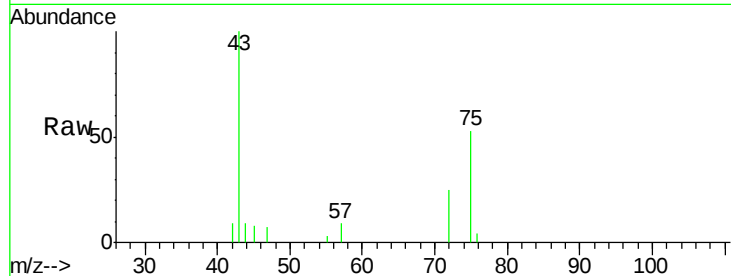




#30
 2-Butanone
 Concen: 15.393 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VN062936.D
 Acq: 14 Aug 2020 13:14

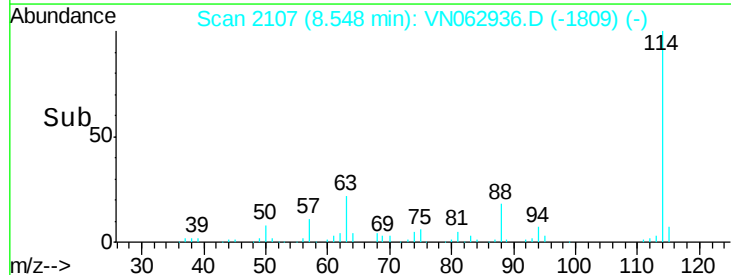
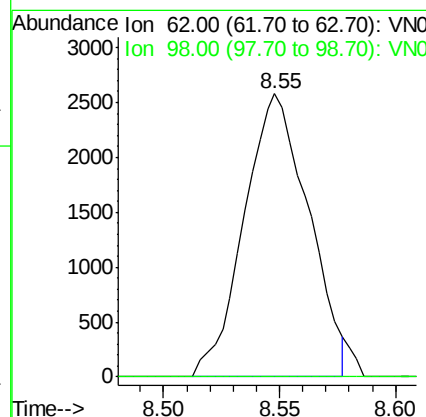
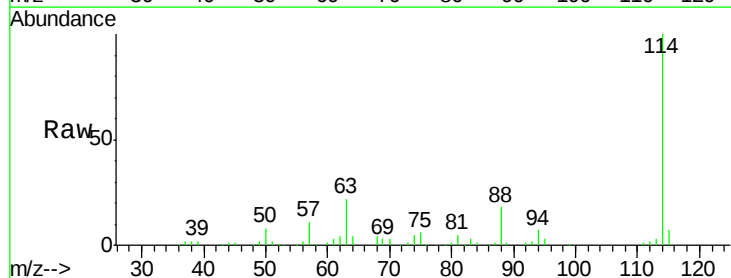
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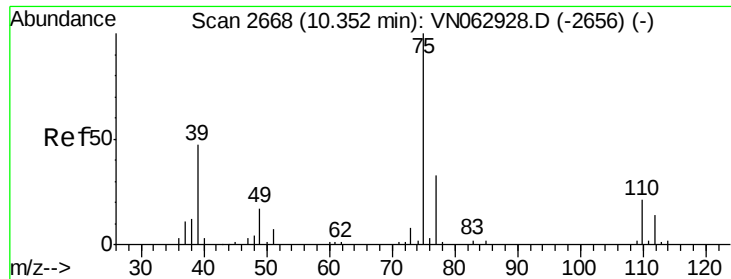
Tgt Ion: 43 Resp: 16009
 Ion Ratio Lower Upper
 43 100
 57 6.4 7.0 10.6#
 72 7.6 22.0 33.0#



#36
 1,2-Dichloroethane
 Concen: 1.895 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. 0.46 min
 Lab File: VN062936.D
 Acq: 14 Aug 2020 13:14

Tgt Ion: 62 Resp: 4986
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.1 9.1#

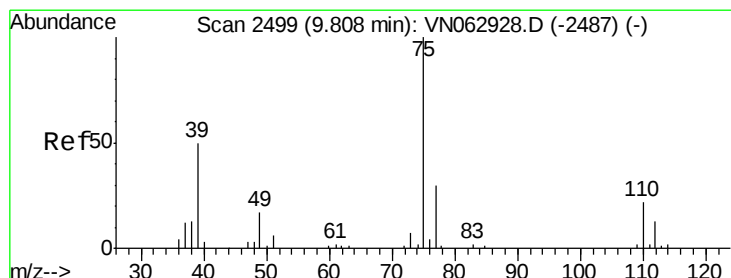
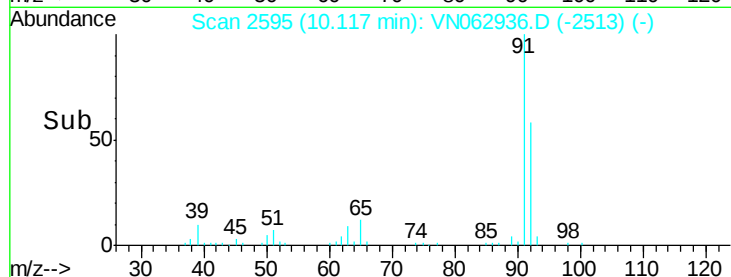
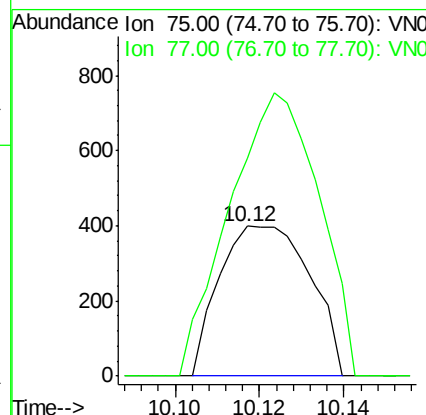
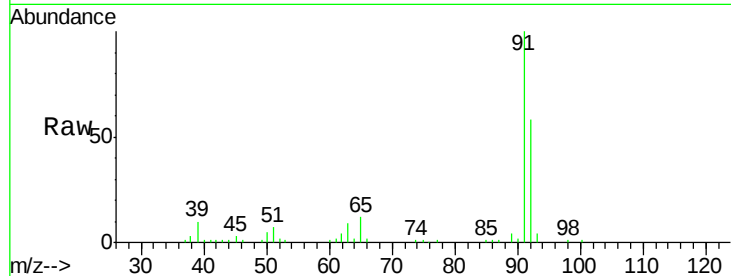




#48
t-1,3-Dichloropropene
Concen: 0.228 ug/l
RT: 10.12 min Scan# 2595
Delta R.T. -0.23 min
Lab File: VN062936.D
Acq: 14 Aug 2020 13:14

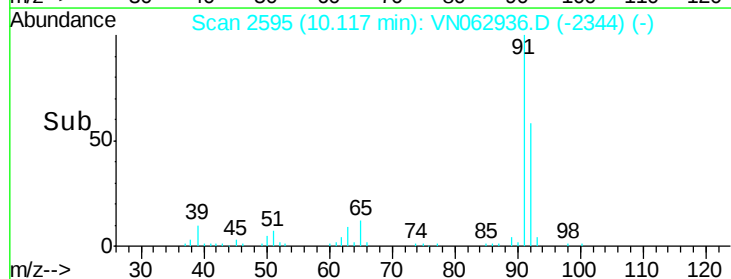
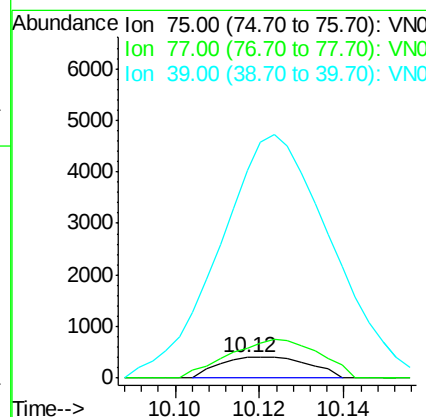
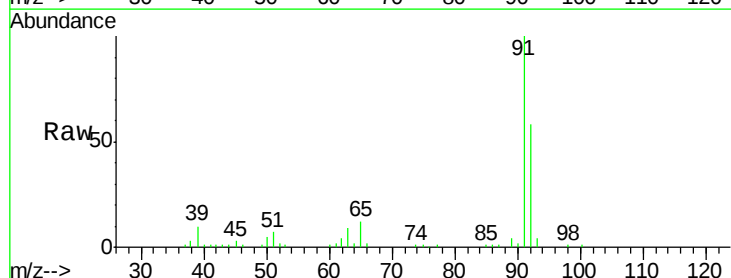
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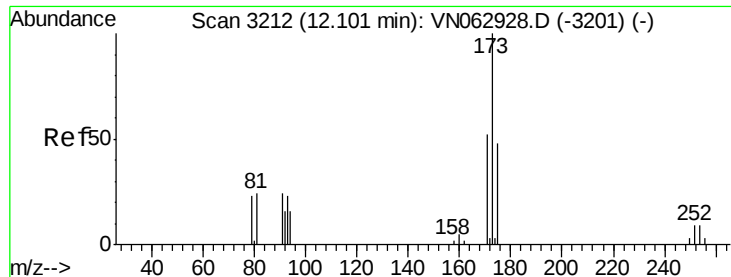
Tgt Ion: 75 Resp: 598
Ion Ratio Lower Upper
75 100
77 108.0 26.2 39.2#



#49
cis-1,3-Dichloropropene
Concen: 0.227 ug/l
RT: 10.12 min Scan# 2595
Delta R.T. 0.31 min
Lab File: VN062936.D
Acq: 14 Aug 2020 13:14

Tgt Ion: 75 Resp: 598
Ion Ratio Lower Upper
75 100
77 108.0 24.4 36.6#
39 692.7 40.2 60.4#

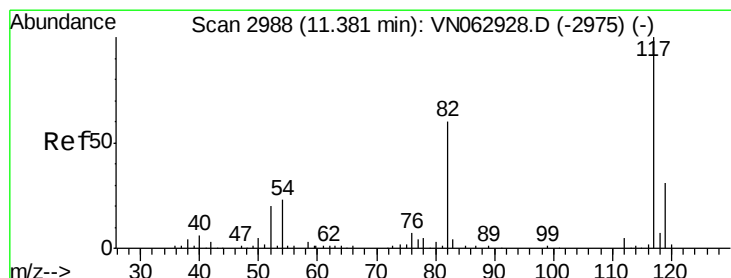
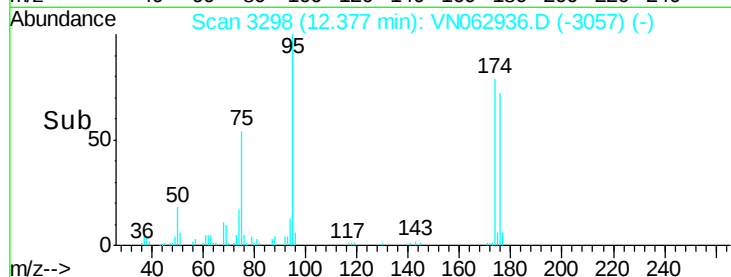
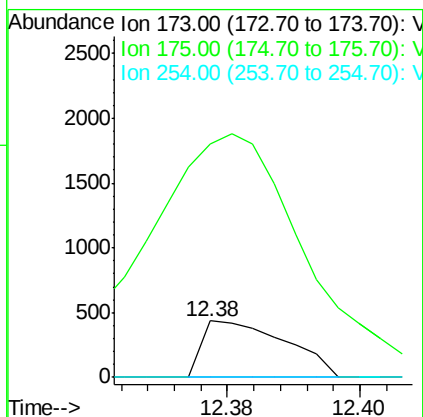
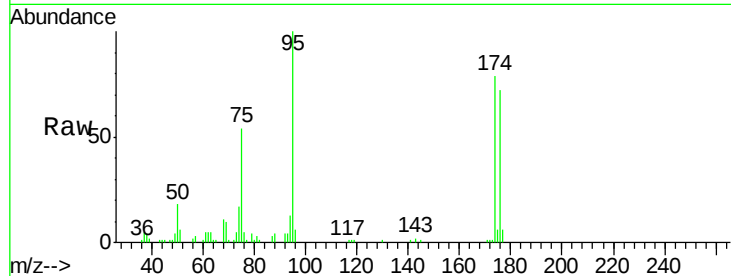




#56
Bromoform
Concen: 0.278 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062936.D
Acq: 14 Aug 2020 13:14

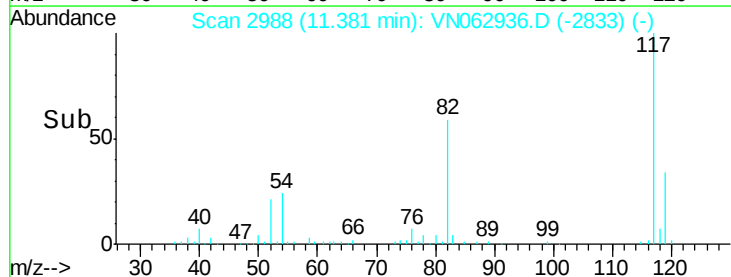
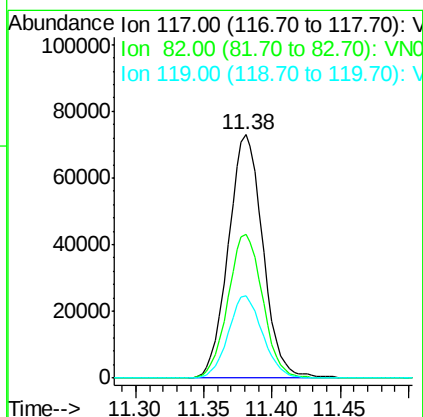
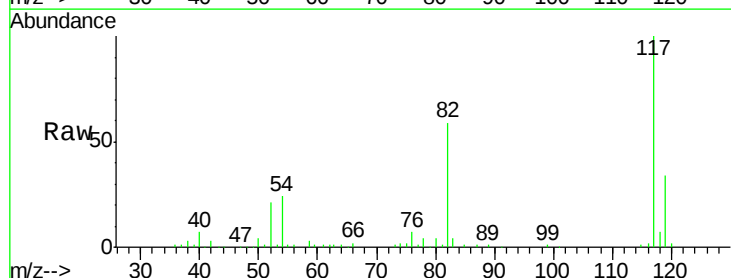
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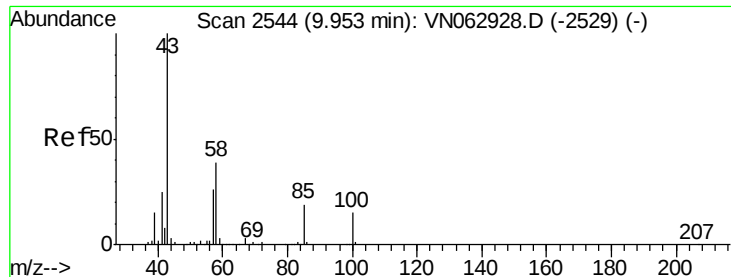
Tgt Ion:173 Resp: 380
Ion Ratio Lower Upper
173 100
175 829.2 37.8 56.6#
254 0.0 6.9 10.3#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062936.D
Acq: 14 Aug 2020 13:14

Tgt Ion:117 Resp: 128411
Ion Ratio Lower Upper
117 100
82 59.3 47.5 71.3
119 33.6 26.0 39.0

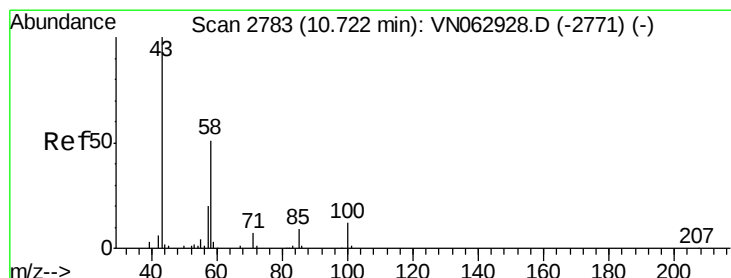
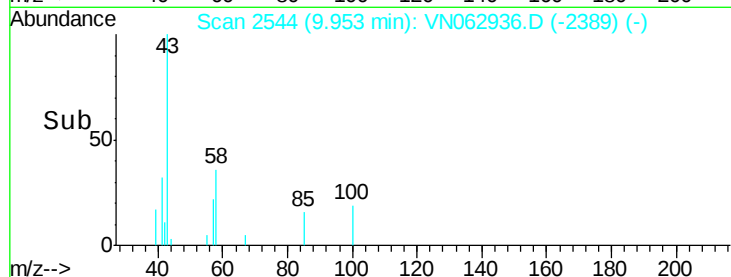
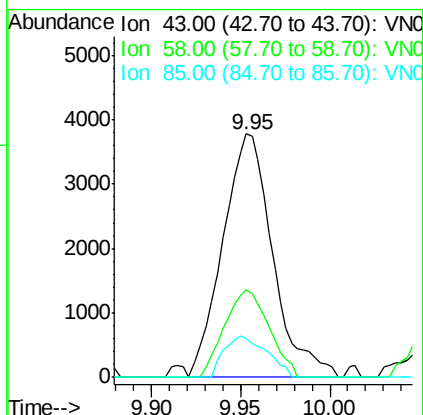
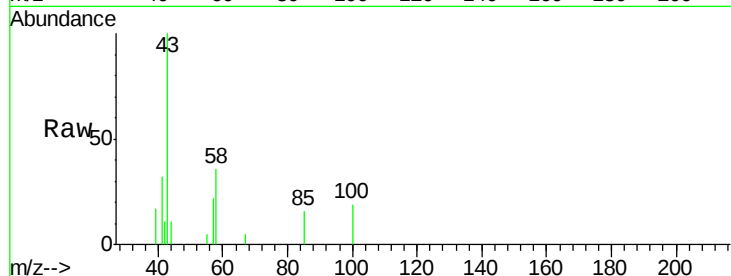




#58
 4-Methyl-2-Pentanone
 Concen: 3.289 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN062936.D
 Acq: 14 Aug 2020 13:14

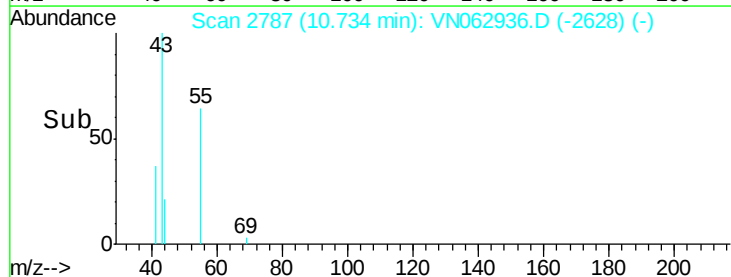
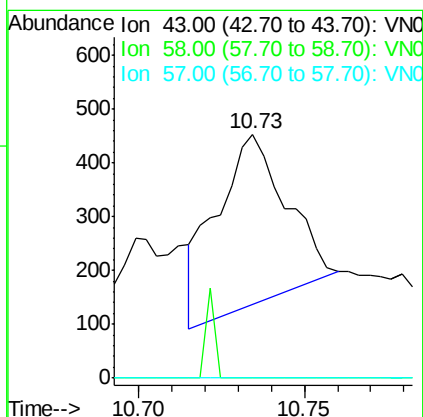
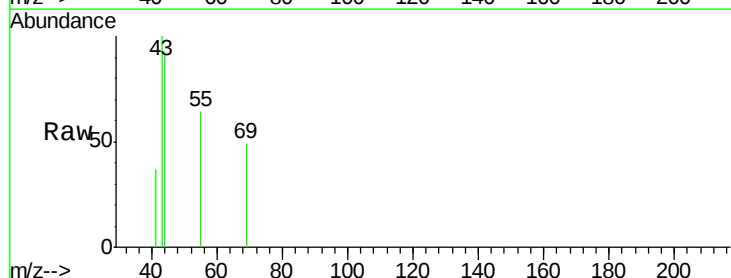
Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD-(AUG)

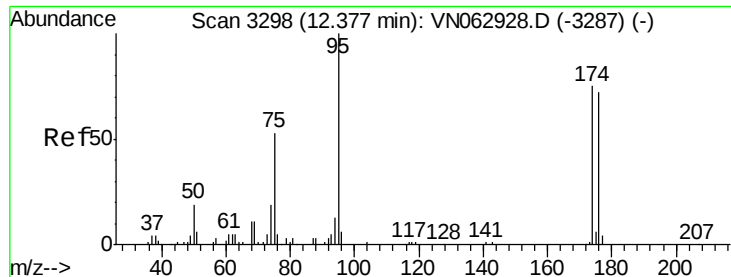
Tgt Ion: 43 Resp: 7349
 Ion Ratio Lower Upper
 43 100
 58 31.9 31.3 46.9
 85 14.6 15.2 22.8#



#59
 2-Hexanone
 Concen: 0.289 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.01 min
 Lab File: VN062936.D
 Acq: 14 Aug 2020 13:14

Tgt Ion: 43 Resp: 472
 Ion Ratio Lower Upper
 43 100
 58 0.0 41.8 62.6#
 57 0.0 16.2 24.2#

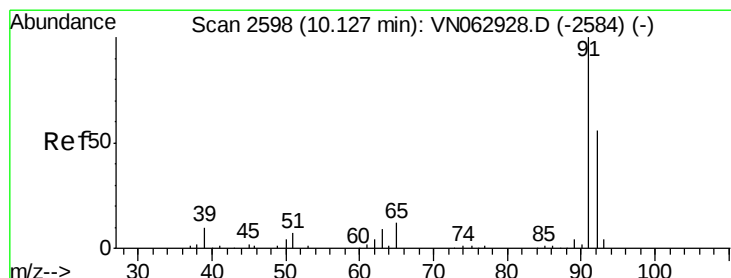
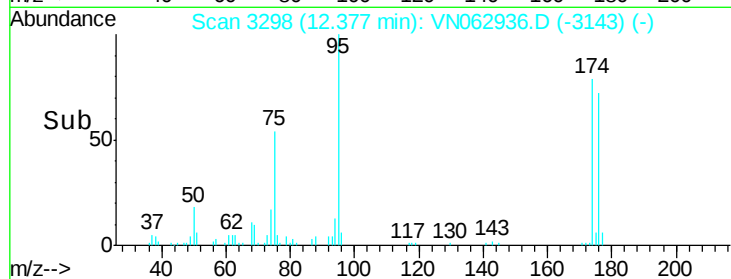
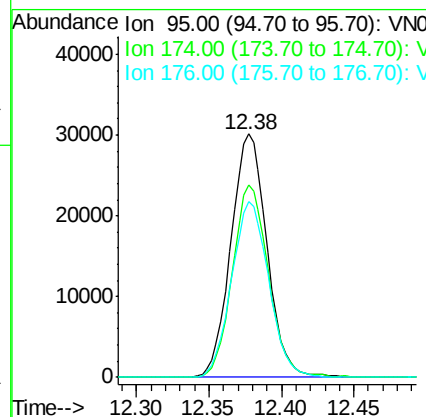
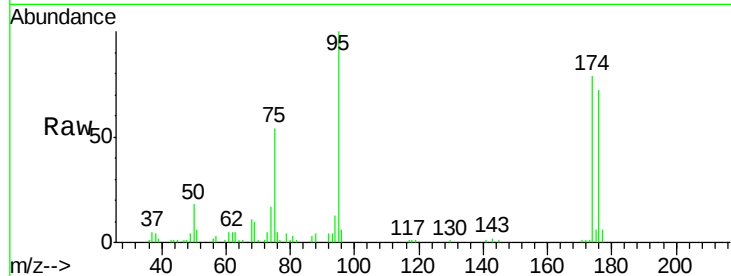




#60
4-Bromofluorobenzene
Concen: 22.917 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062936.D
Acq: 14 Aug 2020 13:14

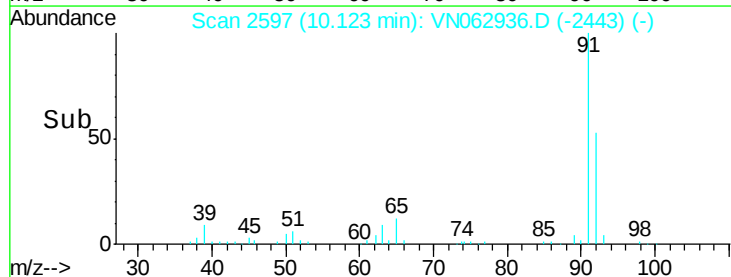
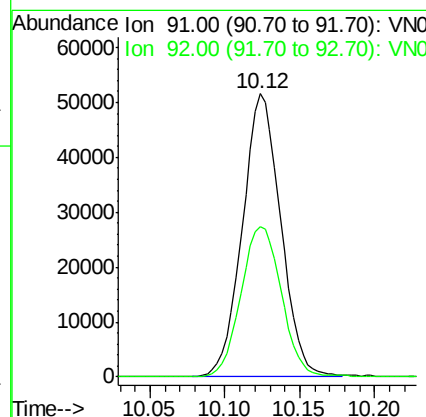
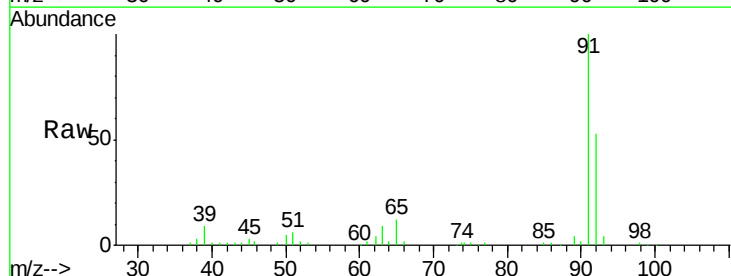
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD-(AUG)

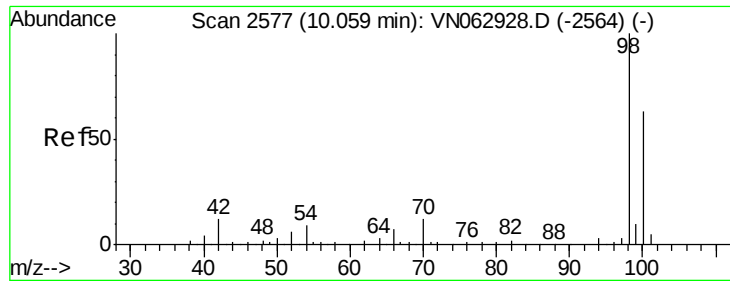
Tgt Ion: 95 Resp: 51824
Ion Ratio Lower Upper
95 100
174 78.9 60.9 91.3
176 74.5 57.8 86.8



#62
Toluene
Concen: 13.606 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062936.D
Acq: 14 Aug 2020 13:14

Tgt Ion: 91 Resp: 92120
Ion Ratio Lower Upper
91 100
92 55.8 45.2 67.8





#63

Toluene-d8

Concen: 29.155 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062936.D

Acq: 14 Aug 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

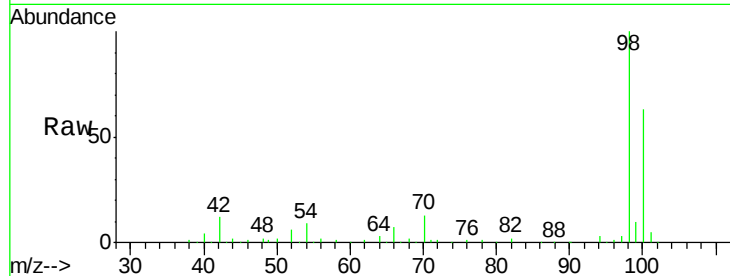
001-WILLETS-PT-BLVD-(AUG)

Tgt Ion: 98 Resp: 175061

Ion Ratio Lower Upper

98 100

100 62.3 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

80000

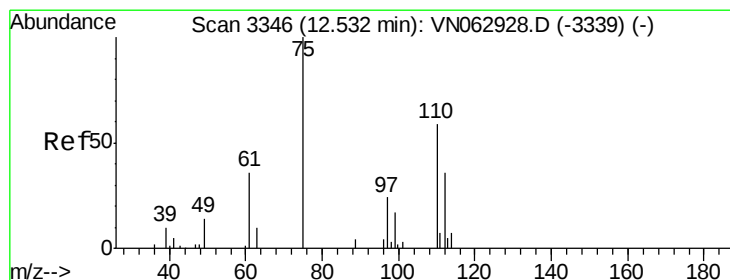
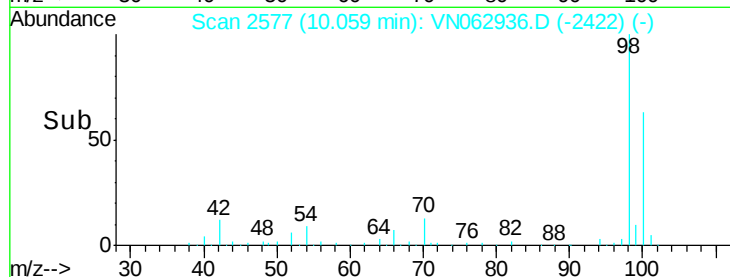
60000

40000

20000

0

Time-->



#72

1,2,3-Trichloropropane

Concen: 11.305 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062936.D

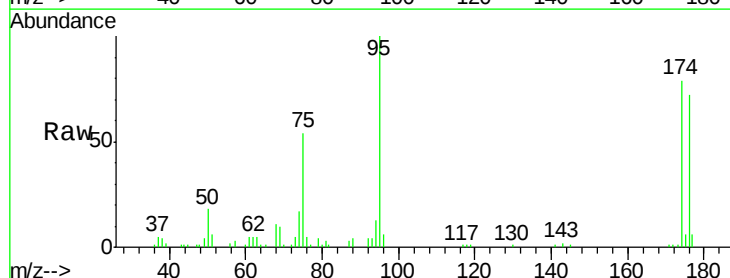
Acq: 14 Aug 2020 13:14

Tgt Ion: 75 Resp: 28089

Ion Ratio Lower Upper

75 100

77 0.7 0.0 313.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

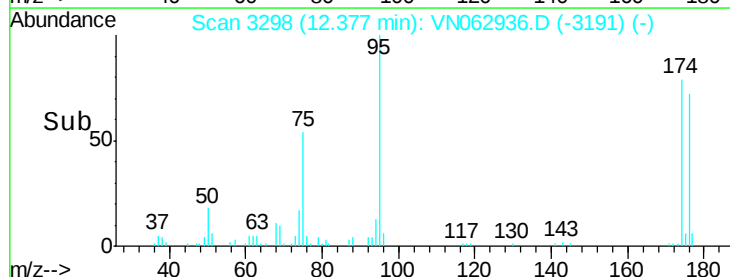
15000

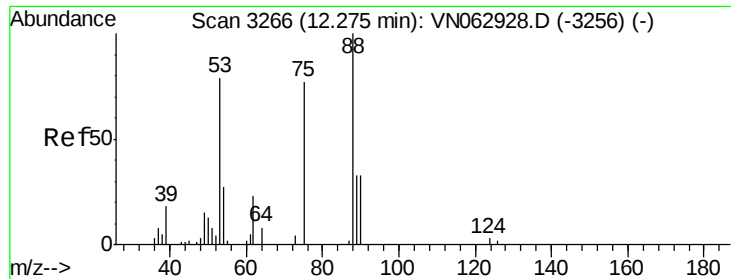
10000

5000

0

Time-->





#77
t-1,4-Dichloro-2-butene
Concen: 35.107 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062936.D
Acq: 14 Aug 2020 13:14

Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD-(AUG)

Tgt Ion: 75 Resp: 28089
Ion Ratio Lower Upper
75 100
53 0.0 52.3 157.1#
89 0.0 23.4 70.3#

