

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040921\
 Data File : VN066558.D
 Acq On : 9 Apr 2021 13:12
 Operator : JC/MD
 Sample : M1914-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Apr 09 14:01:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 05:52:50 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

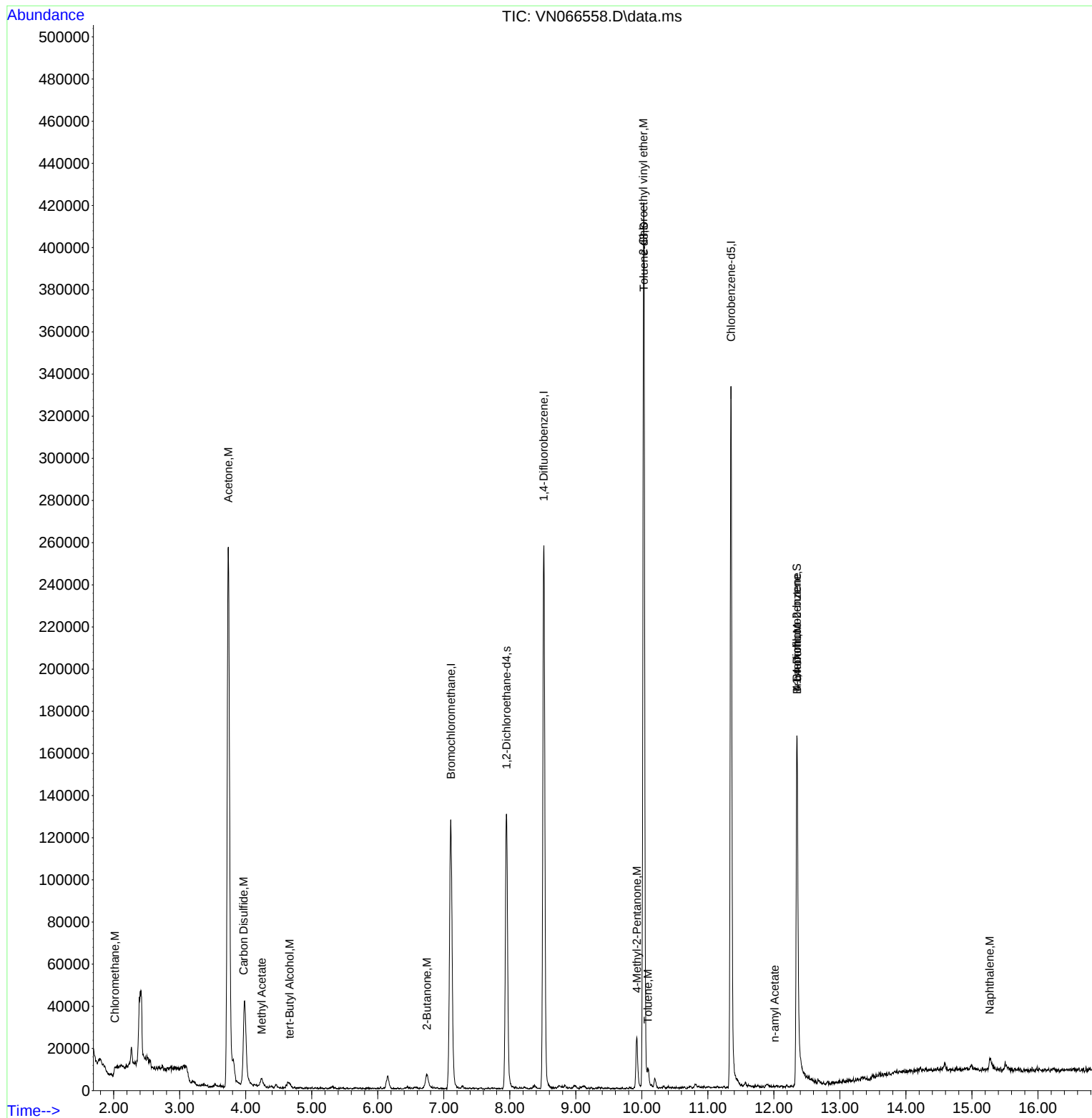
Internal Standards						
1) Bromochloromethane	7.107	128	47926	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.515	114	222487	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	196153	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.949	65	111670	30.31	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	101.03%		
60) 4-Bromofluorobenzene	12.348	95	64482	21.06	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	70.20%		
63) Toluene-d8	10.028	98	287269	31.21	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	104.03%		
Target Compounds						Qvalue
3) Chloromethane	2.017	50	1428	0.42	ug/l #	84
12) Methyl Acetate	4.240	43	6030	1.57	ug/l #	85
13) Acrolein	3.546	56	423	Below	Cal	90
15) Acetone	3.736	58	127267	275.82	ug/l	97
16) Carbon Disulfide	3.969	76	1420	0.21	ug/l #	76
23) tert-Butyl Alcohol	4.664	59	246	0.38	ug/l #	100
30) 2-Butanone	6.745	43	9341	4.79	ug/l #	64
47) n-amyl Acetate	12.012	43	20	6.14	ug/l #	54
55) 2-Chloroethyl vinyl ether	10.022	63	155	0.26	ug/l #	1
56) Bromoform	12.350	173	446	0.21	ug/l #	1
58) 4-Methyl-2-Pentanone	9.923	43	19294	4.91	ug/l #	88
62) Toluene	10.092	91	4867	0.45	ug/l	96
77) t-1,4-Dichloro-2-butene	12.348	75	34226	30.23	ug/l #	10
91) Naphthalene	15.268	128	2364	0.27	ug/l	97

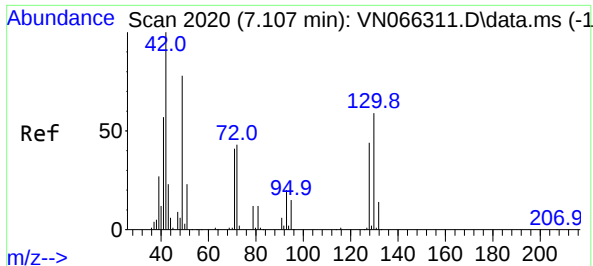
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040921\
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Quant Time: Apr 09 14:01:45 2021
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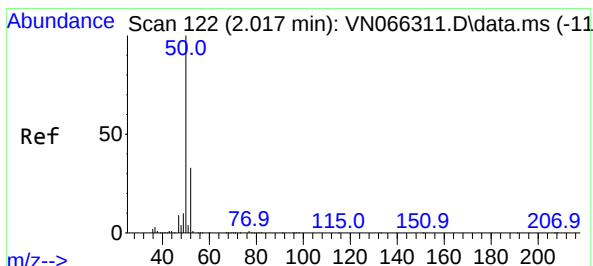
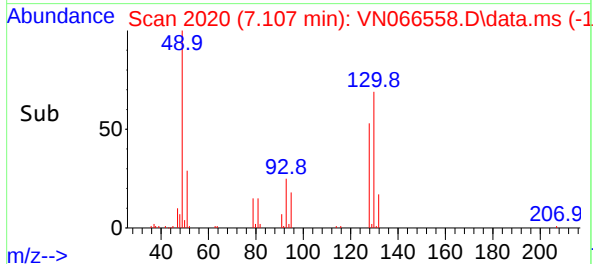
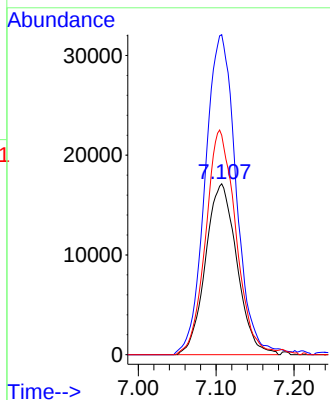
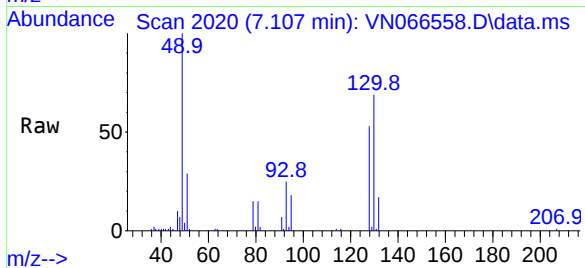




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.107 min Scan# 2020
Delta R.T. 0.000 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

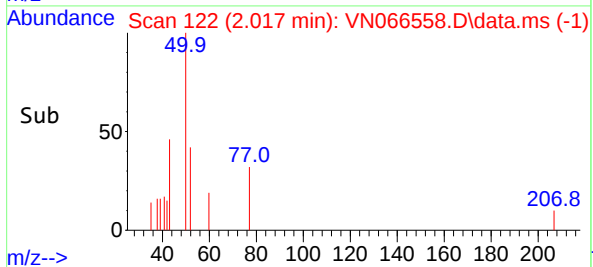
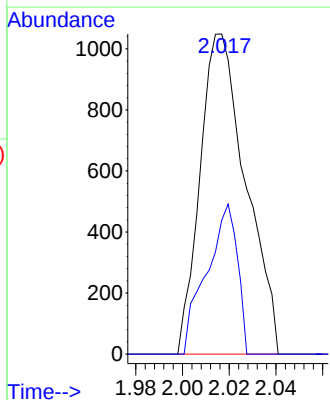
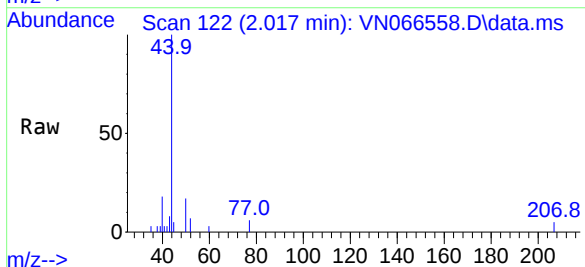
Instrument :
MSVOA_N
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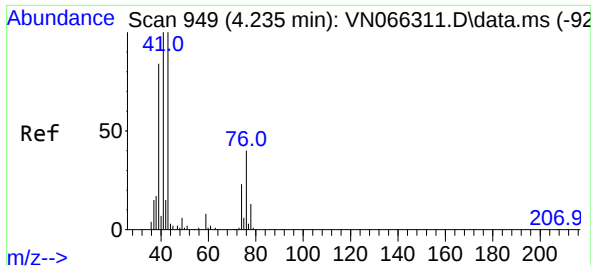
Tgt Ion:128 Resp: 47926
Ion Ratio Lower Upper
128 100
49 182.8 0.0 429.3
130 126.5 0.0 328.5



#3
Chloromethane
Concen: 0.42 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

Tgt Ion: 50 Resp: 1428
Ion Ratio Lower Upper
50 100
52 41.8 26.2 39.4#

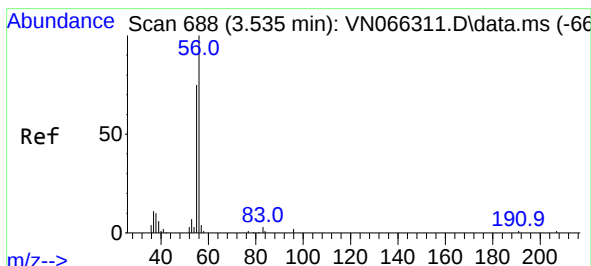
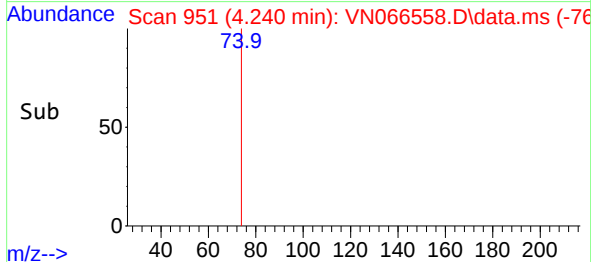
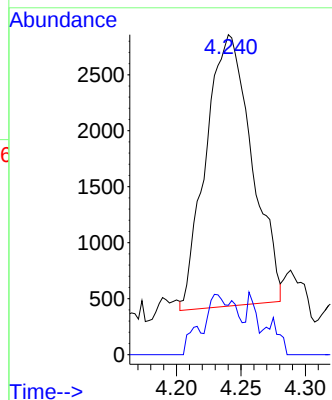
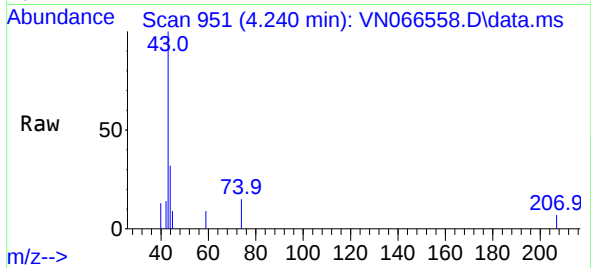




#12
Methyl Acetate
Concen: 1.57 ug/l
RT: 4.240 min Scan# 951
Delta R.T. 0.005 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

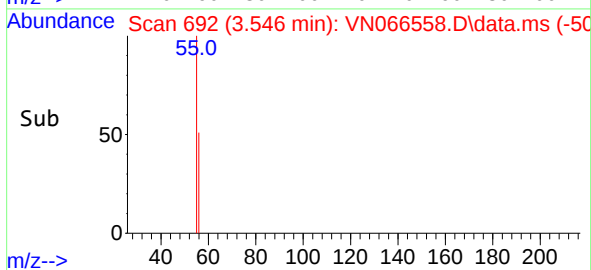
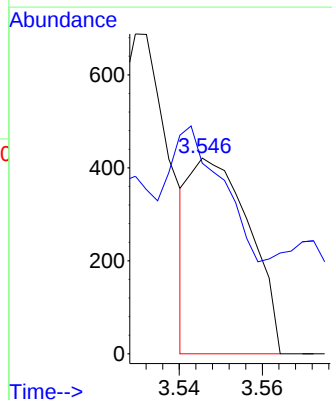
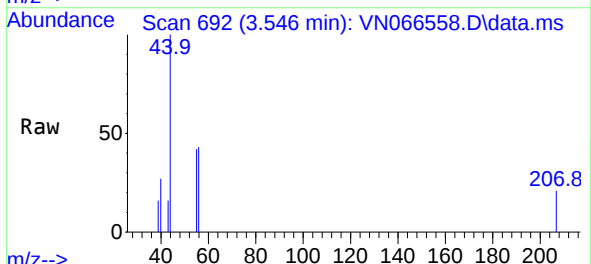
Instrument :
MSVOA_N
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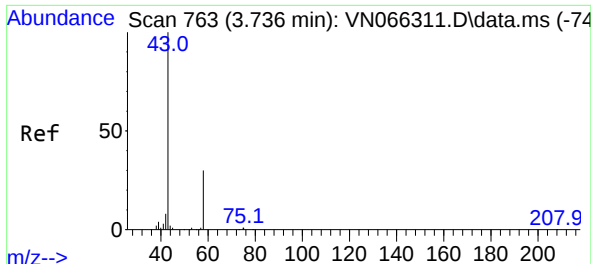
Tgt Ion: 43 Resp: 6030
Ion Ratio Lower Upper
43 100
74 15.3 18.0 27.0#



#13
Acrolein
Concen: Below Cal
RT: 3.546 min Scan# 692
Delta R.T. 0.011 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

Tgt Ion: 56 Resp: 423
Ion Ratio Lower Upper
56 100
55 75.7 54.1 81.1

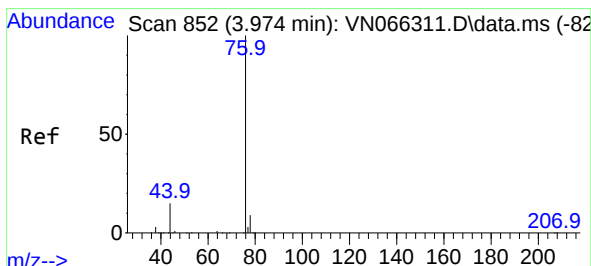
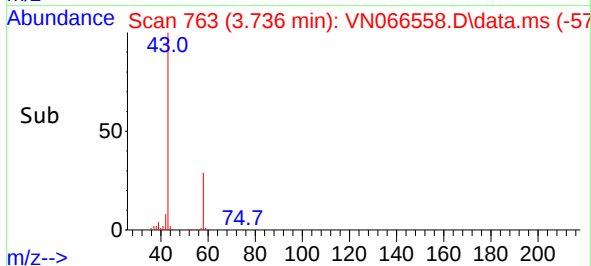
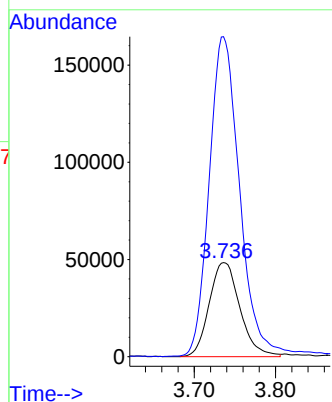
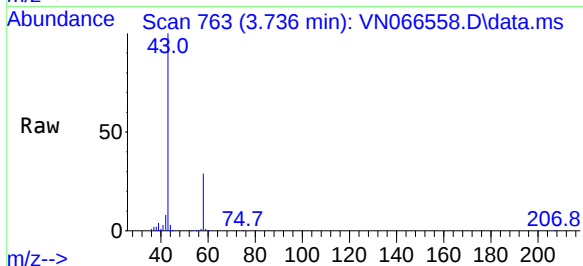




#15
Acetone
Concen: 275.82 ug/l
RT: 3.736 min Scan# 763
Delta R.T. -0.000 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

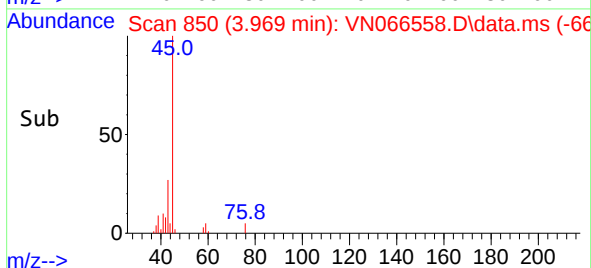
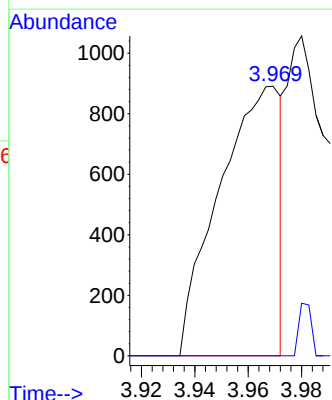
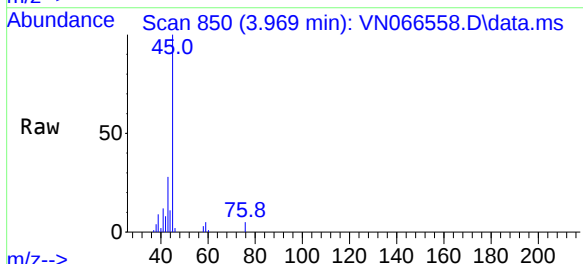
Instrument :
MSVOA_N
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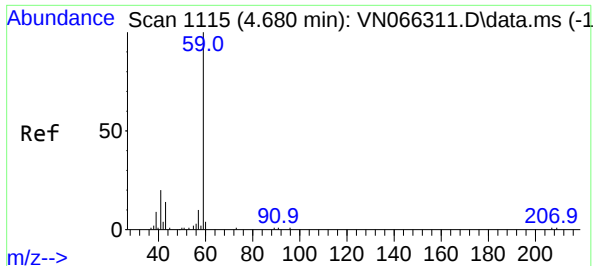
Tgt Ion: 58 Resp: 127267
Ion Ratio Lower Upper
58 100
43 339.4 267.3 400.9



#16
Carbon Disulfide
Concen: 0.21 ug/l
RT: 3.969 min Scan# 850
Delta R.T. -0.005 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

Tgt Ion: 76 Resp: 1420
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

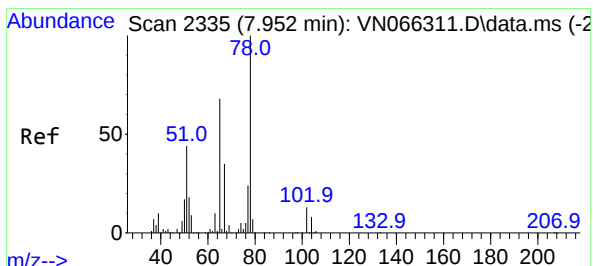
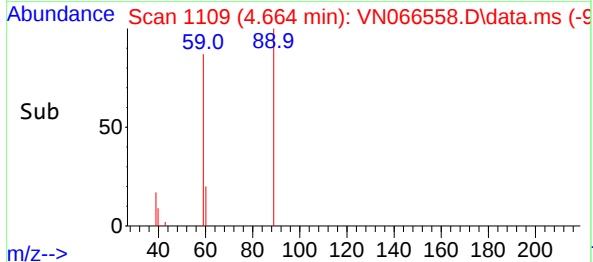
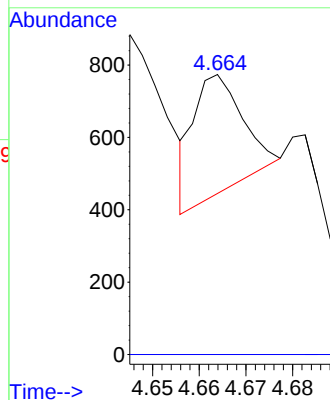
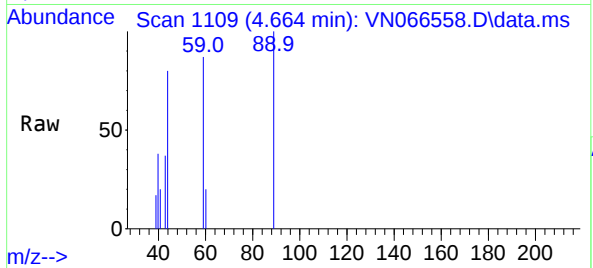




#23
tert-Butyl Alcohol
Concen: 0.38 ug/l
RT: 4.664 min Scan# 1109
Delta R.T. -0.016 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

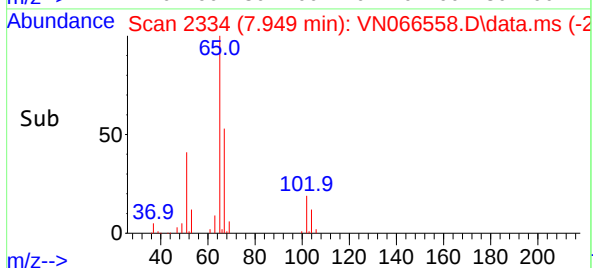
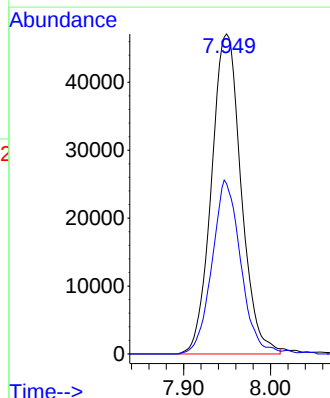
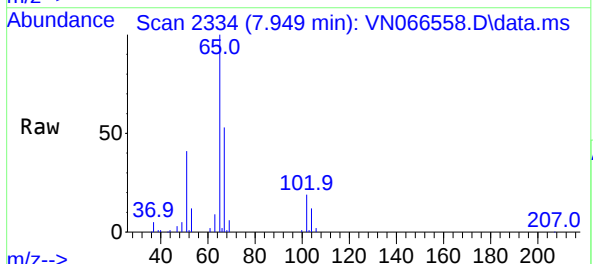
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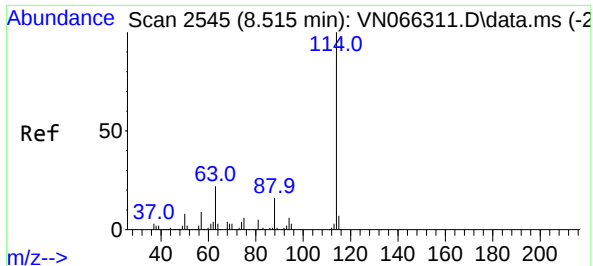
Tgt Ion: 59 Resp: 246
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 30.31 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. -0.003 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

Tgt Ion: 65 Resp: 111670
Ion Ratio Lower Upper
65 100
67 51.9 42.2 63.4



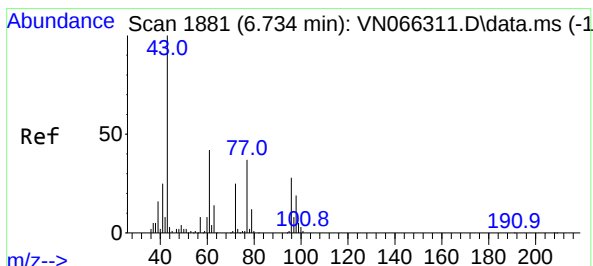
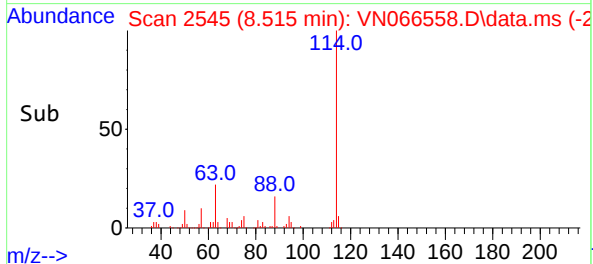
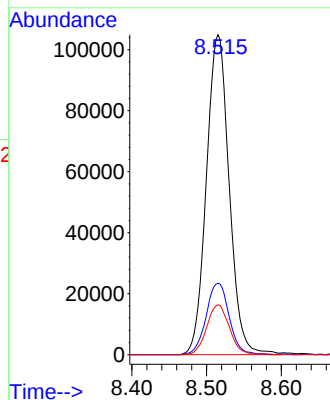
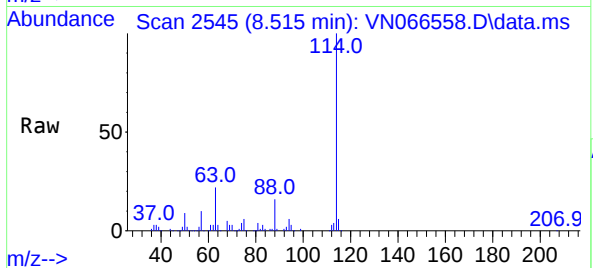


#28

1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

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

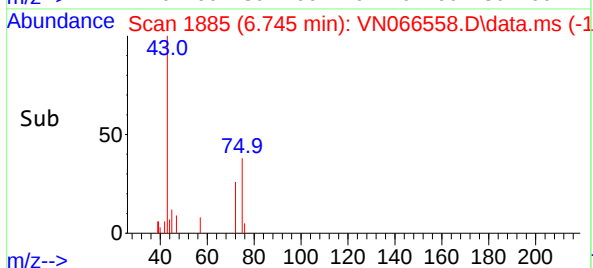
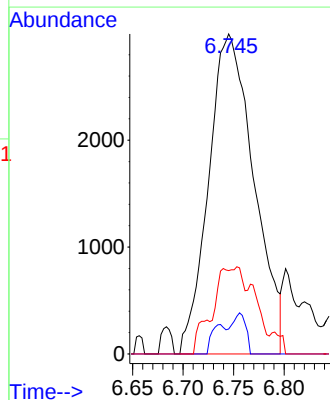
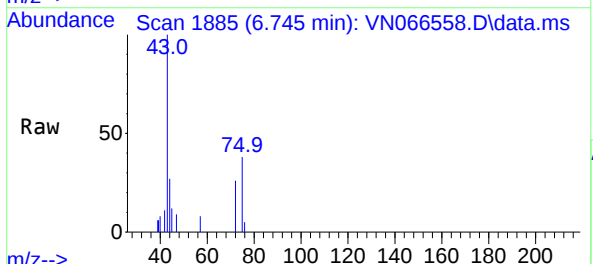
Tgt Ion:114 Resp: 222487
Ion Ratio Lower Upper
114 100
63 22.5 17.4 26.0
88 15.4 12.6 19.0

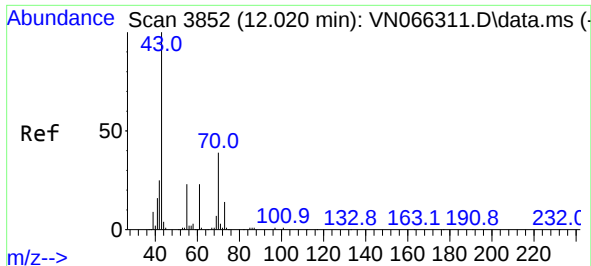


#30

2-Butanone
Concen: 4.79 ug/l
RT: 6.745 min Scan# 1885
Delta R.T. 0.011 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

Tgt Ion: 43 Resp: 9341
Ion Ratio Lower Upper
43 100
57 2.8 6.9 10.3#
72 4.1 20.9 31.3#

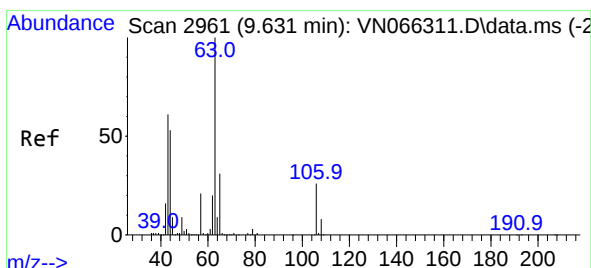
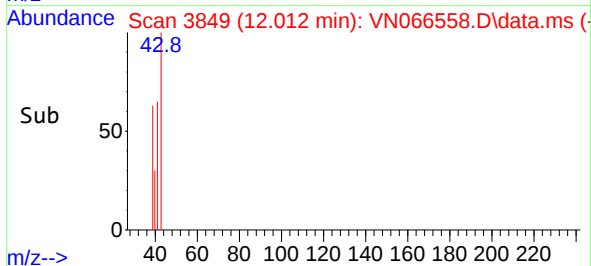
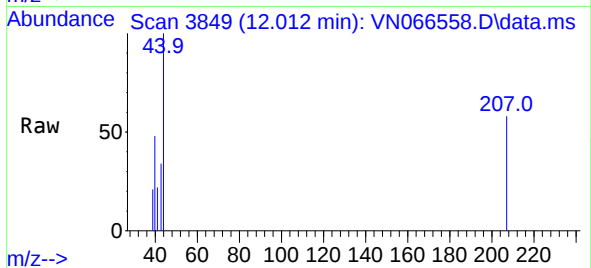




#47
n-amy1 Acetate
Concen: 6.14 ug/l
RT: 12.012 min Scan# 3849
Delta R.T. -0.008 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

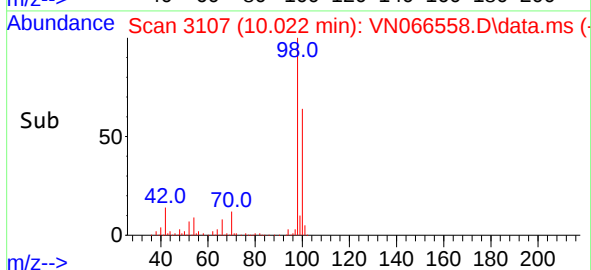
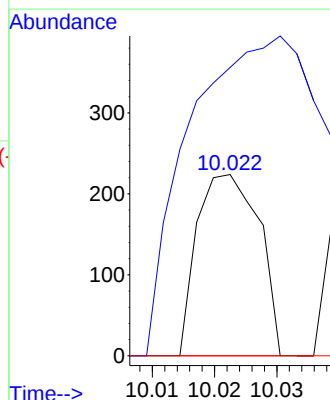
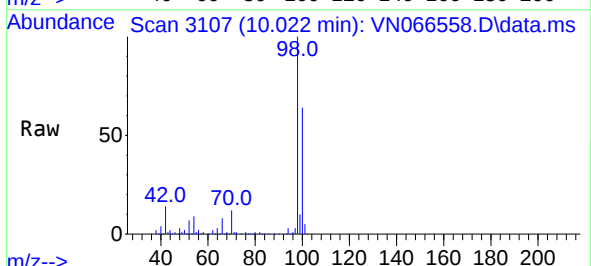
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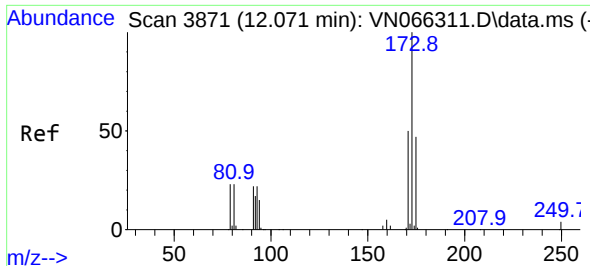
Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
55 0.0 17.7 26.5#



#55
2-Chloroethyl vinyl ether
Concen: 0.26 ug/l
RT: 10.022 min Scan# 3107
Delta R.T. 0.391 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

Tgt Ion: 63 Resp: 155
Ion Ratio Lower Upper
63 100
65 411.6 26.0 39.0#
106 0.0 20.6 31.0#

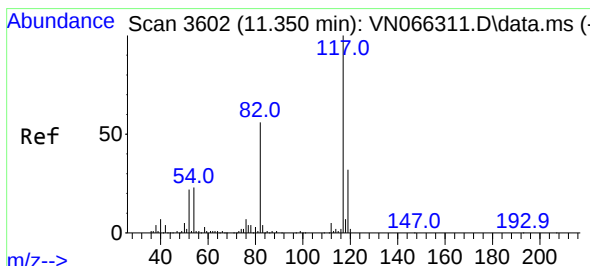
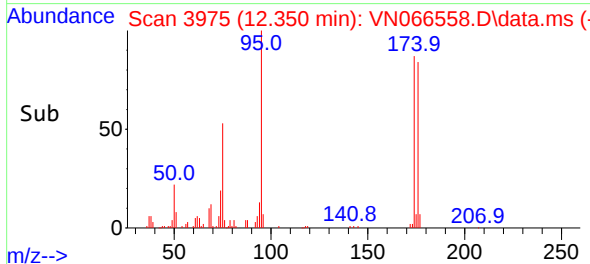
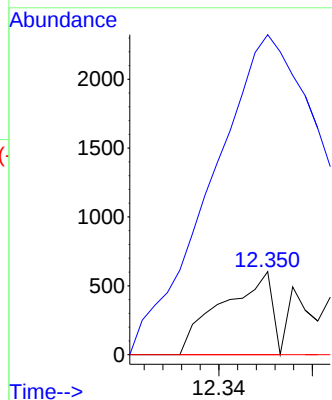
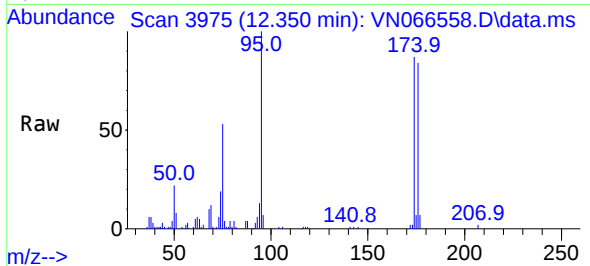




#56
Bromoform
Concen: 0.21 ug/l
RT: 12.350 min Scan# 3975
Delta R.T. 0.279 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

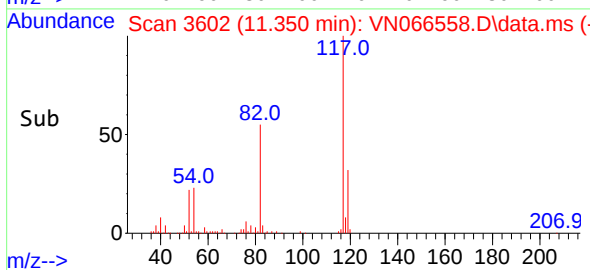
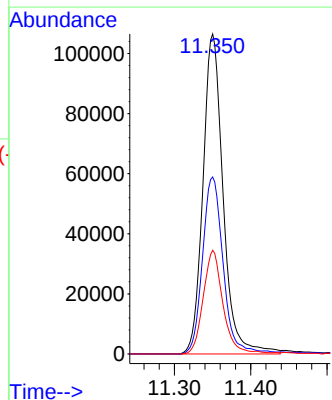
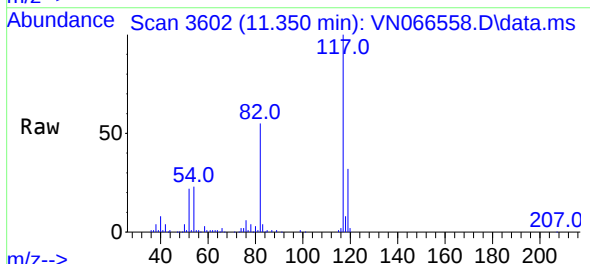
Instrument :
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001-WILLETS-PT-BLVD(APR)

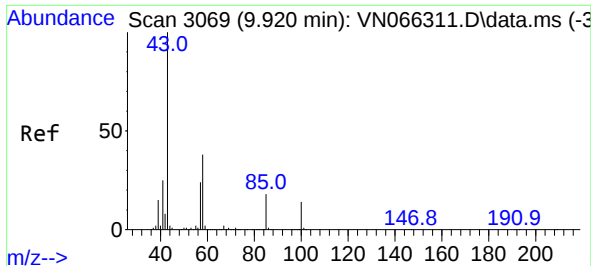
Tgt Ion:173 Resp: 446
Ion Ratio Lower Upper
173 100
175 1004.5 38.3 57.5#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.000 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

Tgt Ion:117 Resp: 196153
Ion Ratio Lower Upper
117 100
82 56.0 45.0 67.6
119 31.1 25.5 38.3

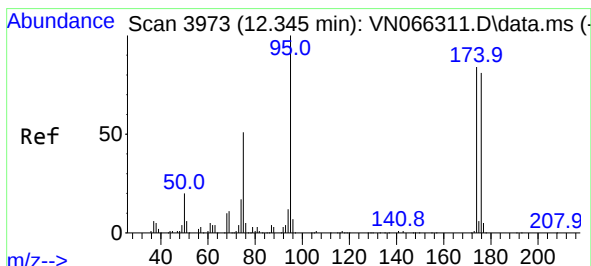
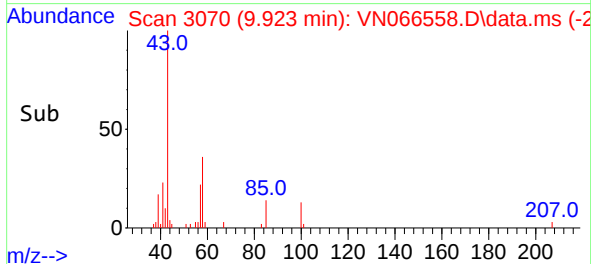
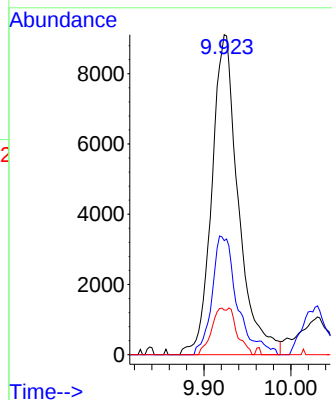
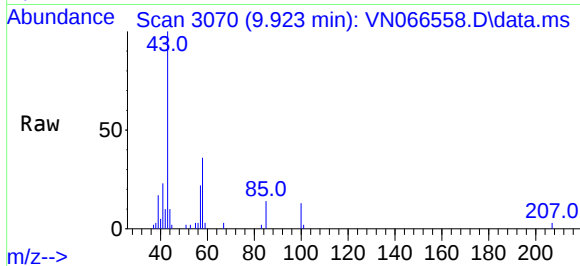




#58
4-Methyl-2-Pentanone
Concen: 4.91 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.003 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

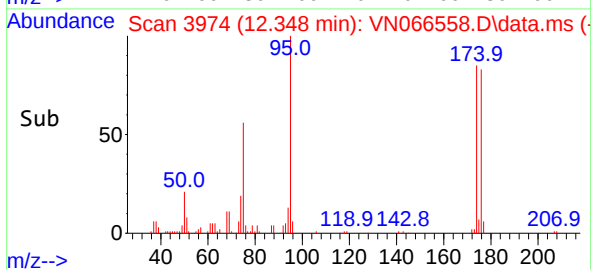
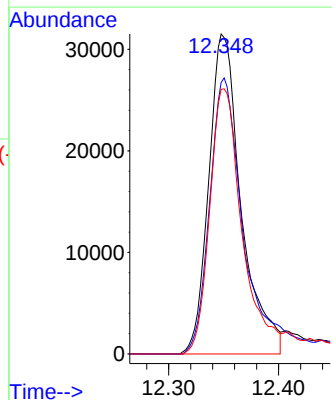
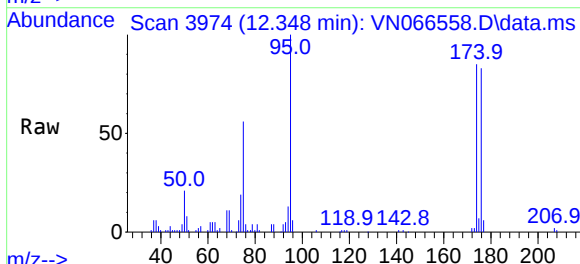
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(APR)

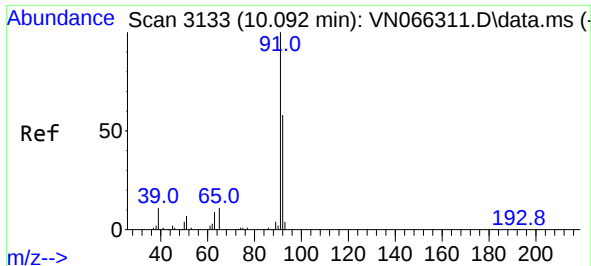
Tgt Ion:	43	Resp:	19294
Ion	Ratio	Lower	Upper
43	100		
58	33.6	30.4	45.6
85	8.3	13.8	20.8#



#60
4-Bromofluorobenzene
Concen: 21.06 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

Tgt Ion:	95	Resp:	64482
Ion	Ratio	Lower	Upper
95	100		
174	91.9	68.1	102.1
176	82.5	65.4	98.0

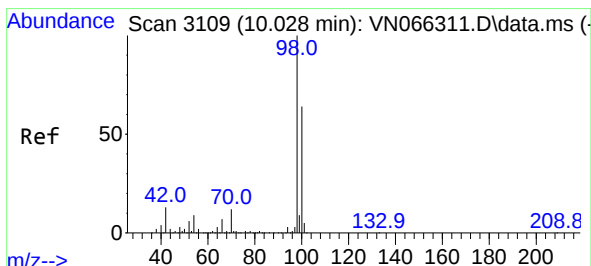
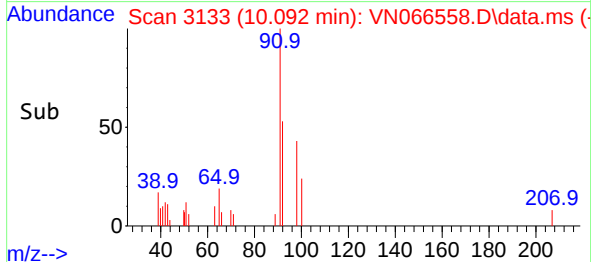
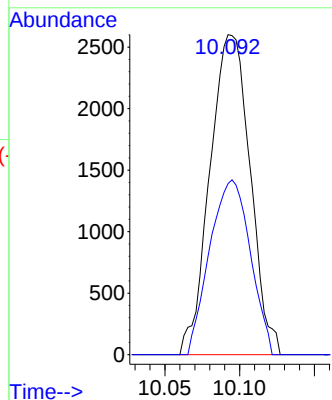
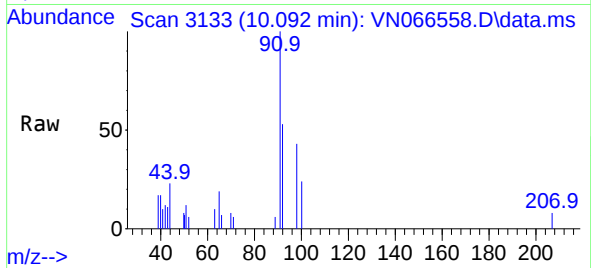




#62
Toluene
Concen: 0.45 ug/l
RT: 10.092 min Scan# 3133
Delta R.T. 0.000 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

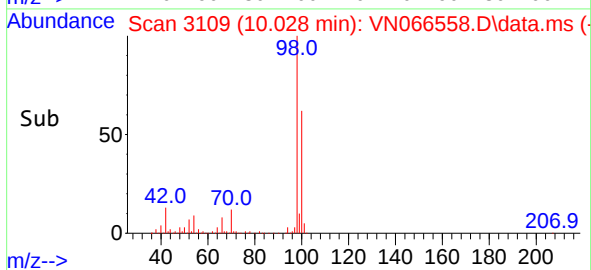
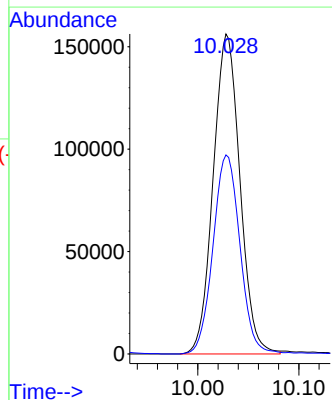
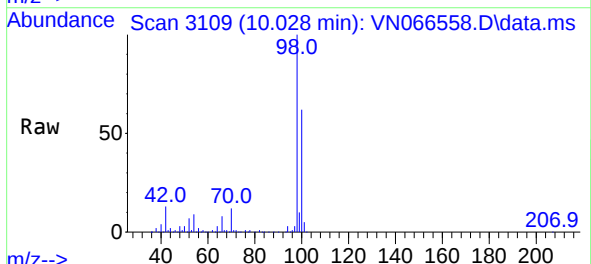
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(APR)

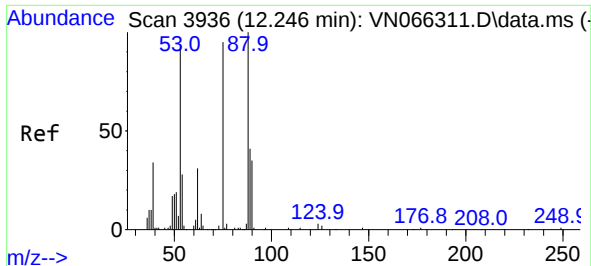
Tgt Ion: 91 Resp: 4867
Ion Ratio Lower Upper
91 100
92 55.0 46.2 69.2



#63
Toluene-d8
Concen: 31.21 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

Tgt Ion: 98 Resp: 287269
Ion Ratio Lower Upper
98 100
100 62.6 51.1 76.7

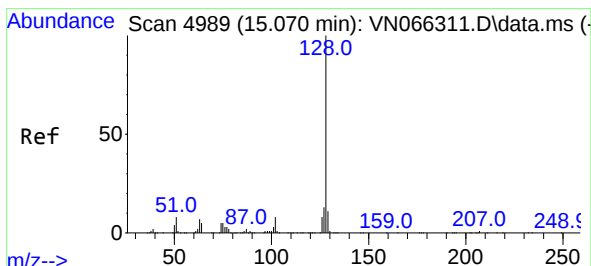
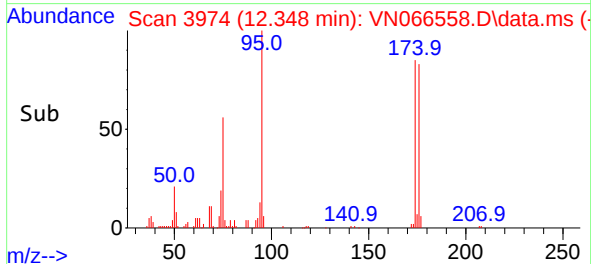
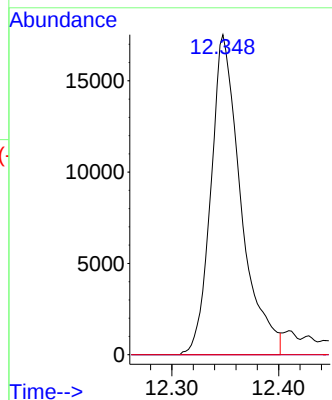
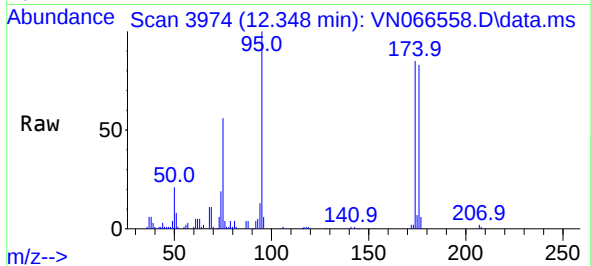




#77
t-1,4-Dichloro-2-butene
Concen: 30.23 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.102 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

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

Tgt Ion: 75 Resp: 34226
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#



#91
Naphthalene
Concen: 0.27 ug/l
RT: 15.268 min Scan# 5063
Delta R.T. 0.199 min
Lab File: VN066558.D
Acq: 9 Apr 2021 13:12

Tgt Ion: 128 Resp: 2364
Ion Ratio Lower Upper
128 100
127 14.0 10.2 15.2
129 12.1 8.6 13.0

