

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061122\
 Data File : VN072787.D
 Acq On : 11 Jun 2022 14:05
 Operator : JC\MD
 Sample : N3322-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jun 13 01:19:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

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

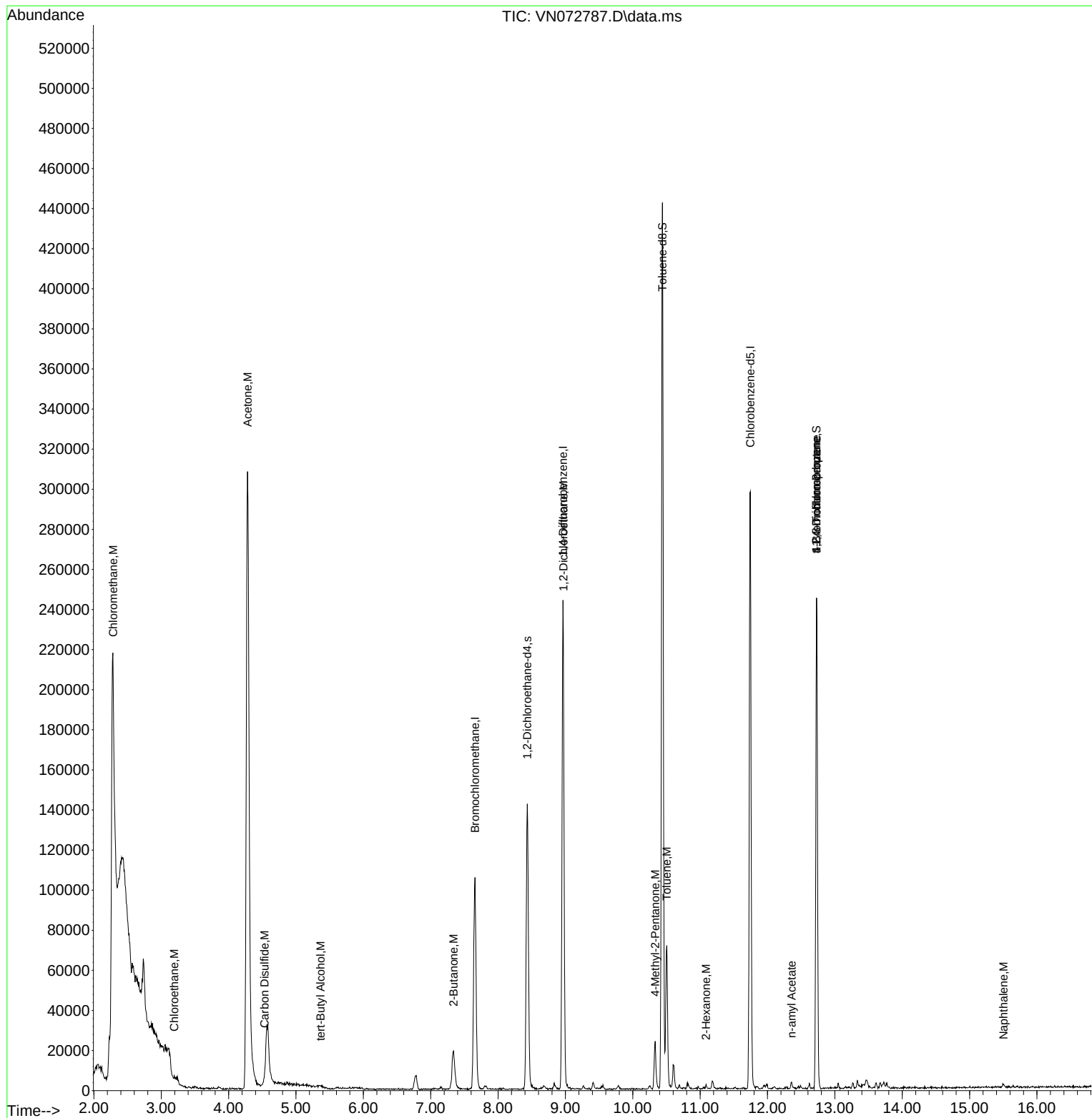
Internal Standards						
1) Bromochloromethane	7.657	128	33030	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	190826	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.745	117	161742	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	117671	31.237	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.133%
60) 4-Bromofluorobenzene	12.727	95	86260	25.930	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.433%
63) Toluene-d8	10.439	98	292366	32.631	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	108.767%
Target Compounds						
					Qvalue	
3) Chloromethane	2.287	50	10366	3.853	ug/l	# 40
6) Chloroethane	3.193	64	561	0.347	ug/l	97
15) Acetone	4.281	58	165824	333.705	ug/l	81
16) Carbon Disulfide	4.534	76	5793	1.053	ug/l	99
23) tert-Butyl Alcohol	5.363	59	448	0.525	ug/l	# 100
30) 2-Butanone	7.339	43	34443	13.084	ug/l	# 91
36) 1,2-Dichloroethane	8.969	62	8878	1.953	ug/l	# 77
47) n-amyl Acetate	12.357	43	2632	0.411	ug/l	# 61
58) 4-Methyl-2-Pentanone	10.333	43	17563	3.620	ug/l	# 95
59) 2-Hexanone	11.086	43	1680	0.457	ug/l	# 70
62) Toluene	10.504	91	49227	4.489	ug/l	97
72) 1,2,3-Trichloropropane	12.727	75	49628	13.722	ug/l	1
77) t-1,4-Dichloro-2-butene	12.727	75	49628	32.558	ug/l	# 8
91) Naphthalene	15.504	128	2183	0.252	ug/l	# 68

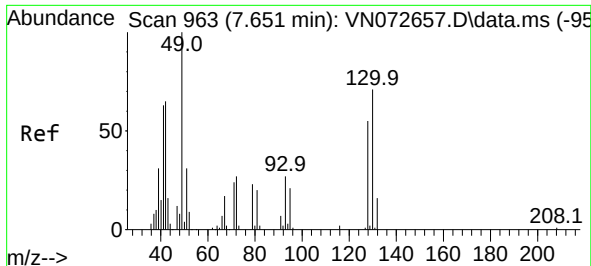
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 13 01:19:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jun 06 14:10:15 2022
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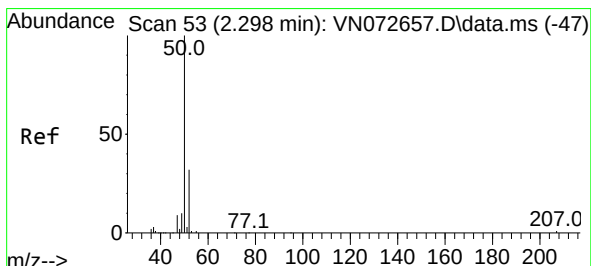
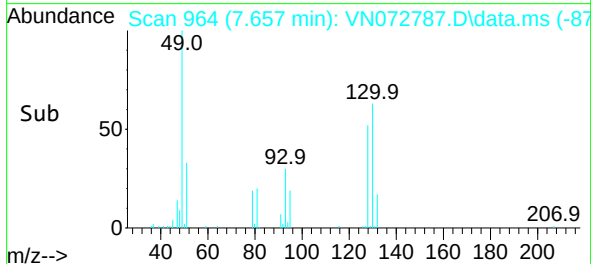
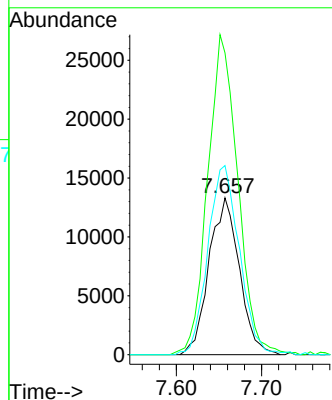
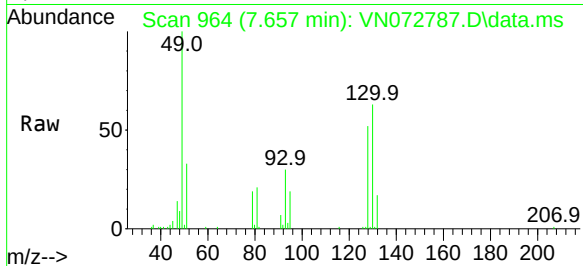




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

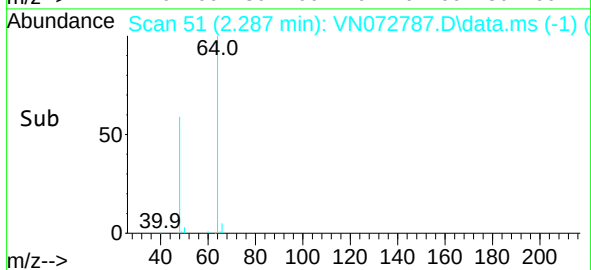
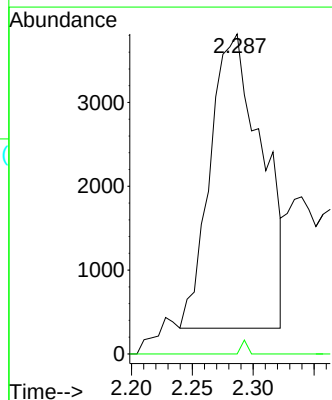
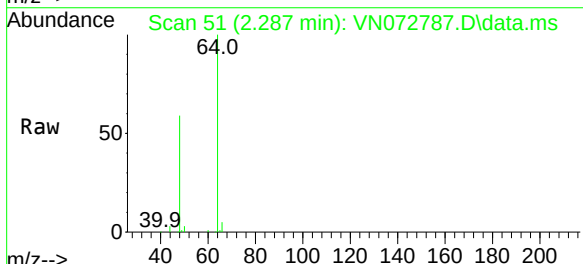
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

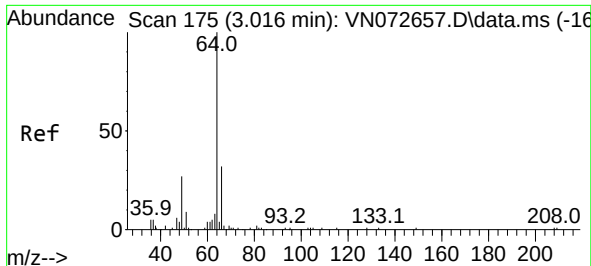
Tgt Ion:128 Resp: 33030
Ion Ratio Lower Upper
128 100
49 201.6 0.0 392.3
130 125.2 0.0 320.2



#3
Chloromethane
Concen: 3.853 ug/l
RT: 2.287 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

Tgt Ion: 50 Resp: 10366
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

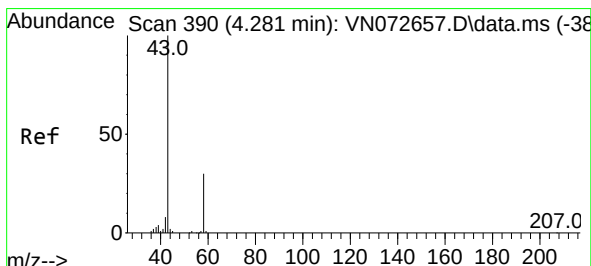
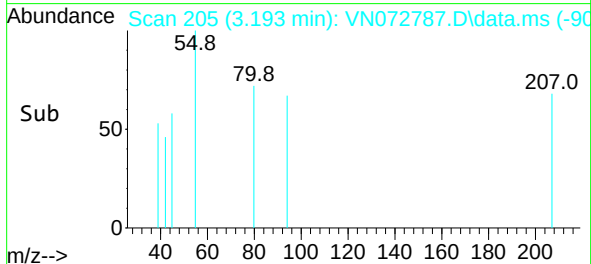
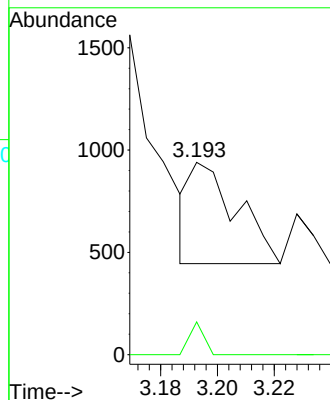
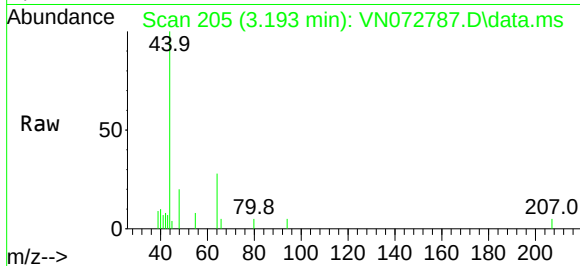




#6
Chloroethane
Concen: 0.347 ug/l
RT: 3.193 min Scan# 20
Delta R.T. 0.177 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

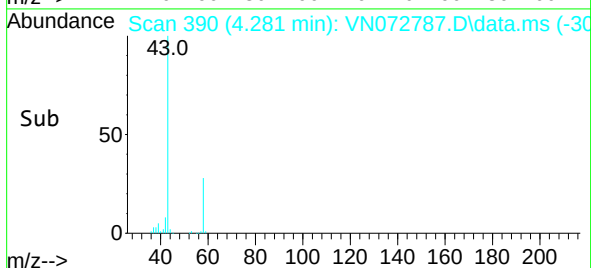
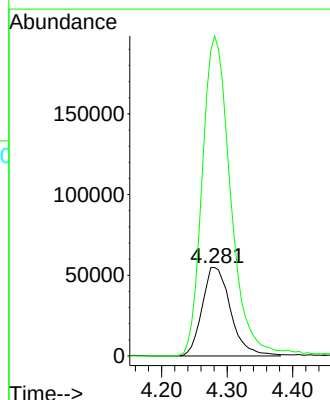
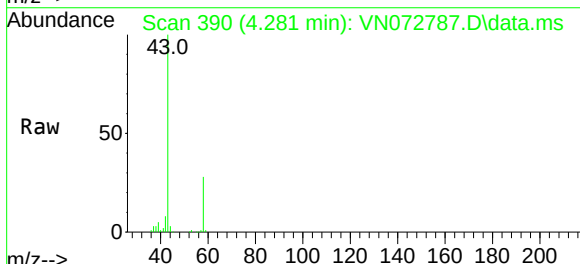
Instrument :
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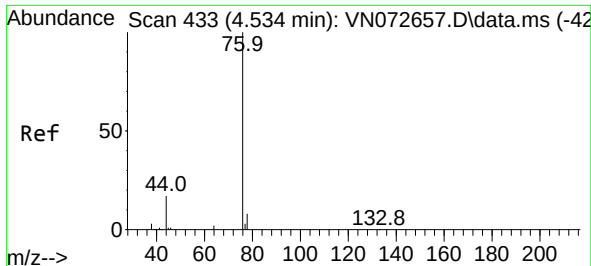
Tgt Ion: 64 Resp: 561
Ion Ratio Lower Upper
64 100
66 32.3 24.6 36.8



#15
Acetone
Concen: 333.705 ug/l
RT: 4.281 min Scan# 390
Delta R.T. 0.000 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

Tgt Ion: 58 Resp: 165824
Ion Ratio Lower Upper
58 100
43 360.1 256.6 384.8

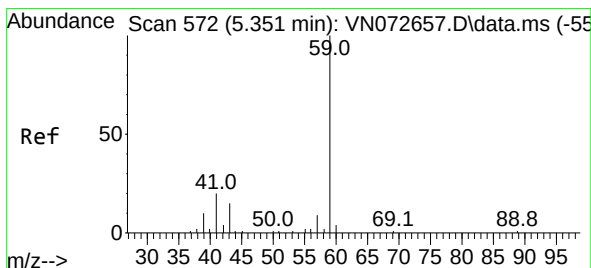
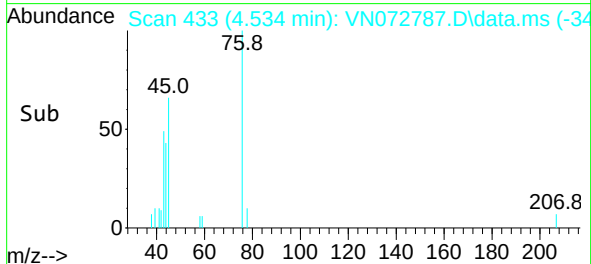
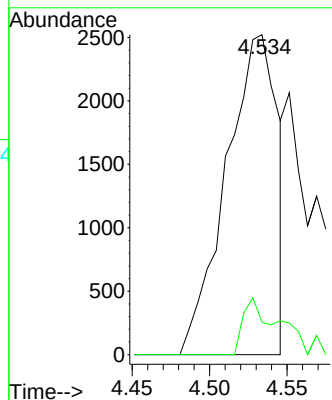
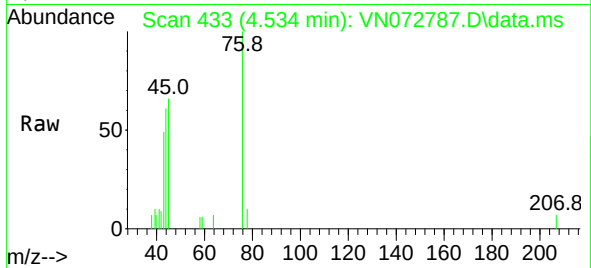




#16
Carbon Disulfide
Concen: 1.053 ug/l
RT: 4.534 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

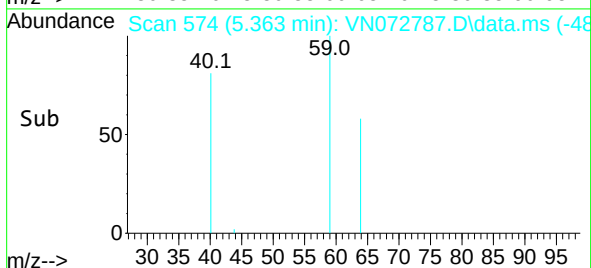
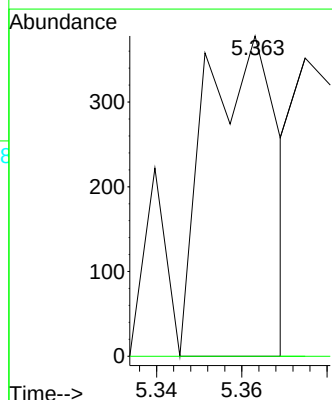
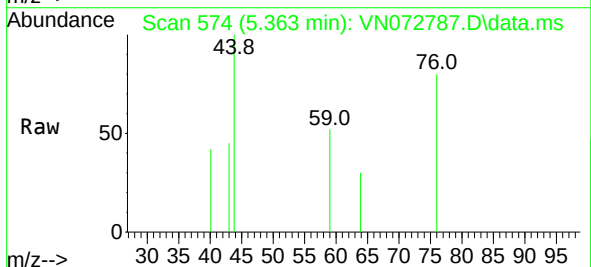
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

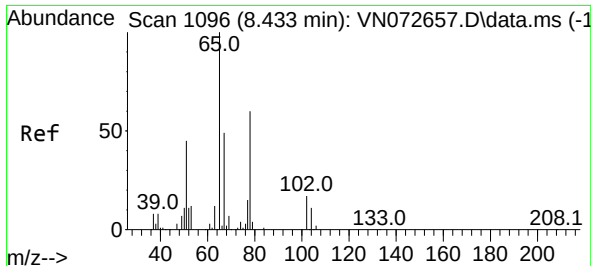
Tgt Ion: 76 Resp: 5793
Ion Ratio Lower Upper
76 100
78 10.2 7.8 11.8



#23
tert-Butyl Alcohol
Concen: 0.525 ug/l
RT: 5.363 min Scan# 574
Delta R.T. 0.012 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

Tgt Ion: 59 Resp: 448
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 31.237 ug/l

RT: 8.434 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VN072787.D

Acq: 11 Jun 2022 14:05

Instrument :

MSVOA_N

ClientSampleId :

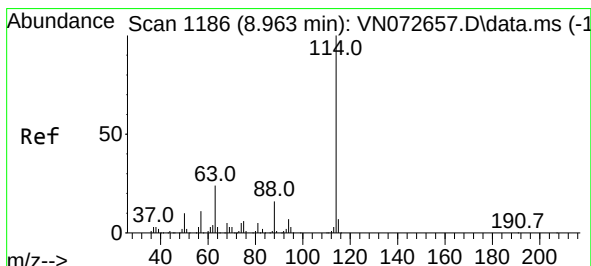
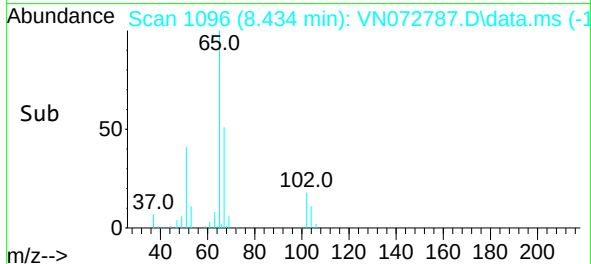
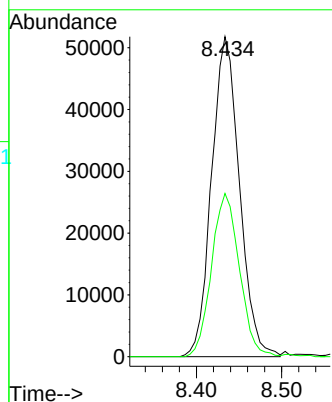
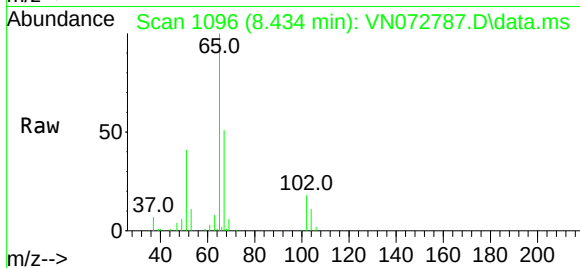
001-WILLETS-PT-BLVD(JUNE)

Tgt Ion: 65 Resp: 117671

Ion Ratio Lower Upper

65 100

67 51.0 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072787.D

Acq: 11 Jun 2022 14:05

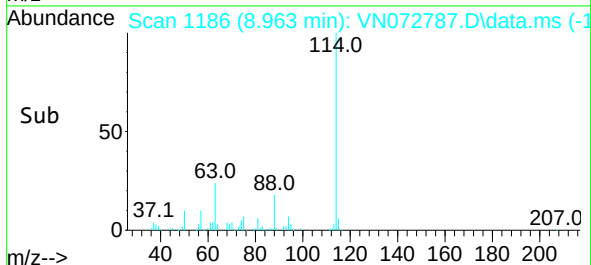
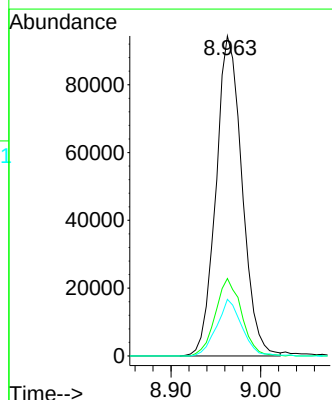
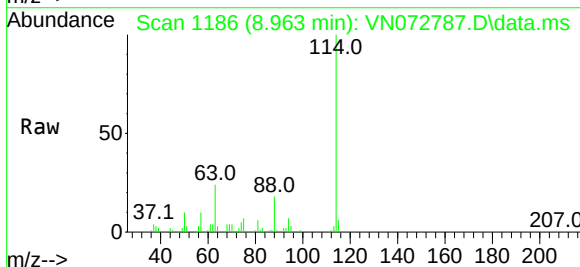
Tgt Ion: 114 Resp: 190826

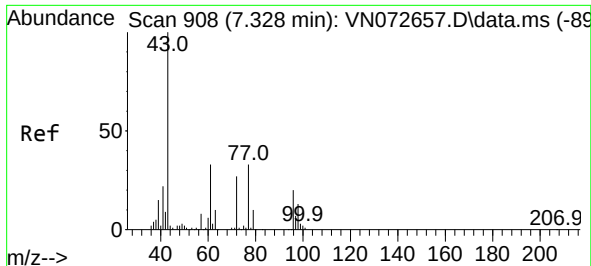
Ion Ratio Lower Upper

114 100

63 24.2 15.8 23.6#

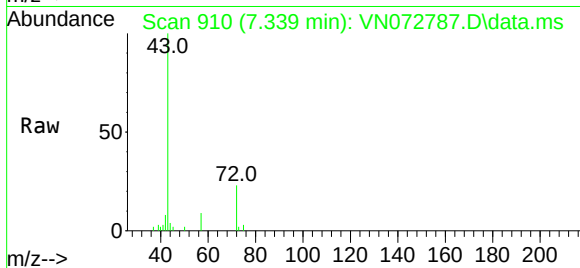
88 17.0 11.6 17.4



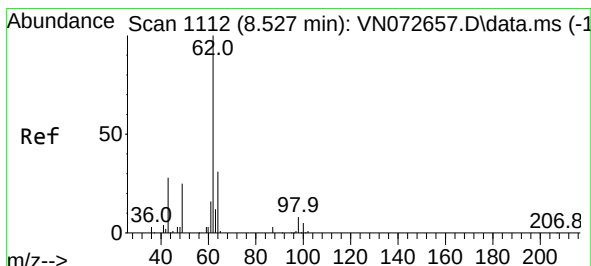
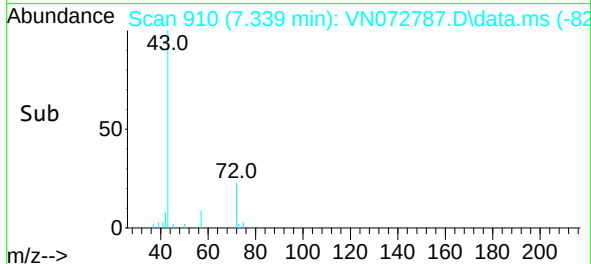
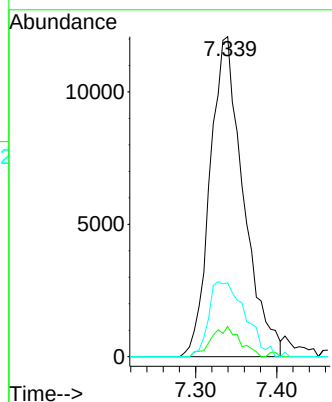


#30
2-Butanone
Concen: 13.084 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

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

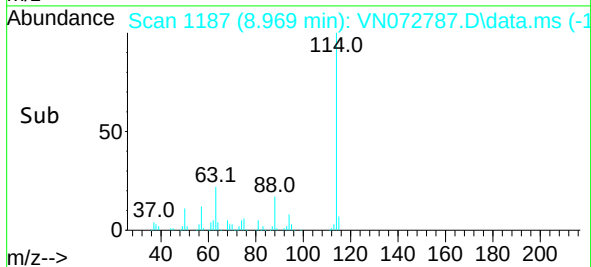
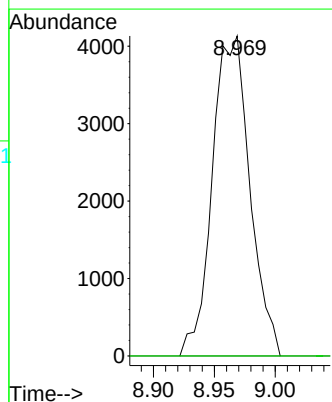
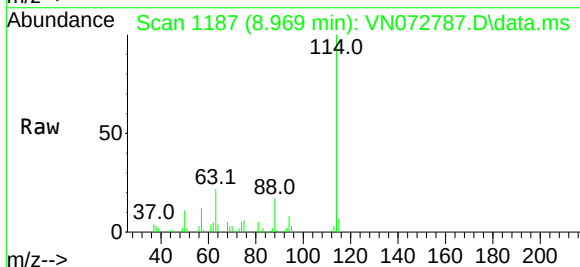


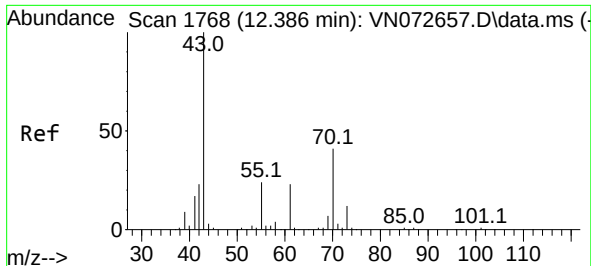
Tgt Ion: 43 Resp: 34443
Ion Ratio Lower Upper
43 100
57 2.5 6.7 10.1#
72 25.1 23.2 34.8



#36
1,2-Dichloroethane
Concen: 1.953 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.441 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

Tgt Ion: 62 Resp: 8878
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

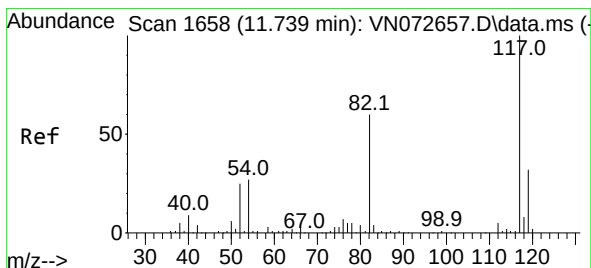
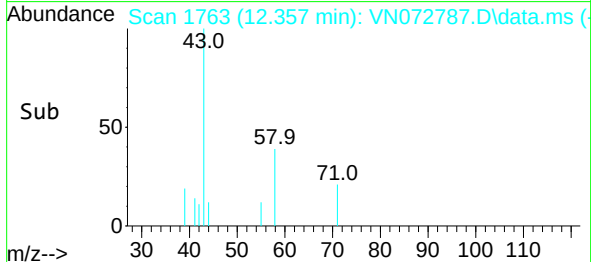
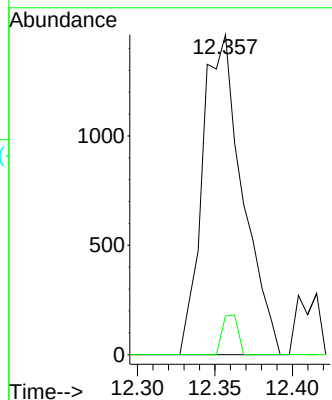
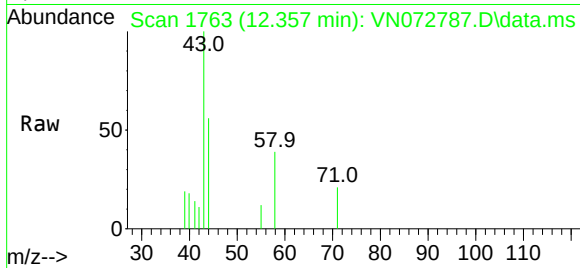




#47
n-amyl acetate
Concen: 0.411 ug/l
RT: 12.357 min Scan# 1763
Delta R.T. -0.029 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

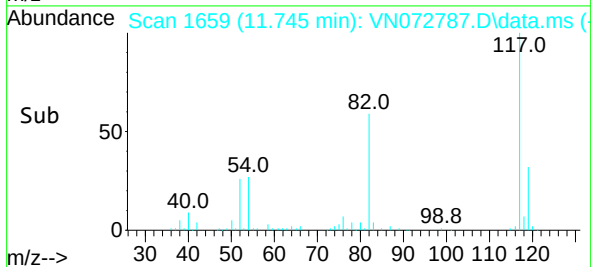
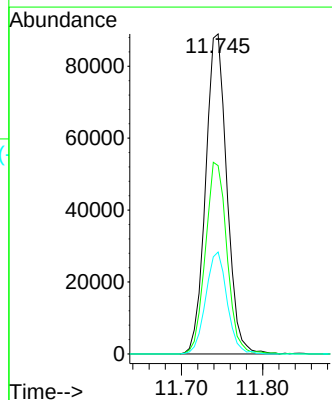
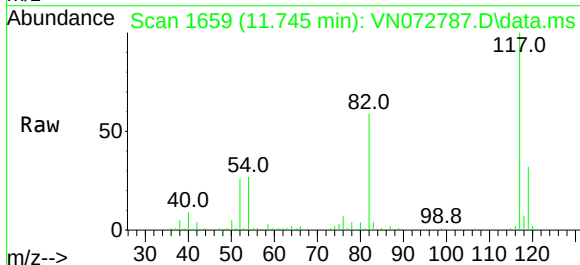
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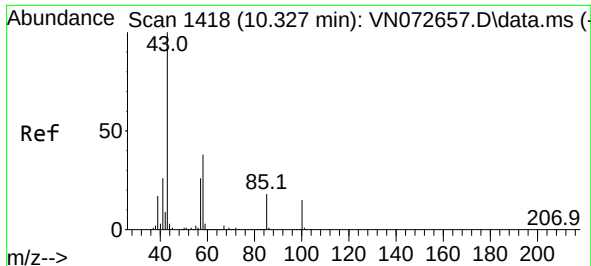
Tgt Ion: 43 Resp: 2632
Ion Ratio Lower Upper
43 100
55 4.8 19.0 28.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

Tgt Ion: 117 Resp: 161742
Ion Ratio Lower Upper
117 100
82 60.3 43.6 65.4
119 32.0 25.8 38.6

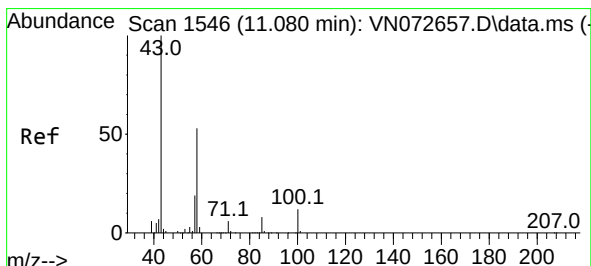
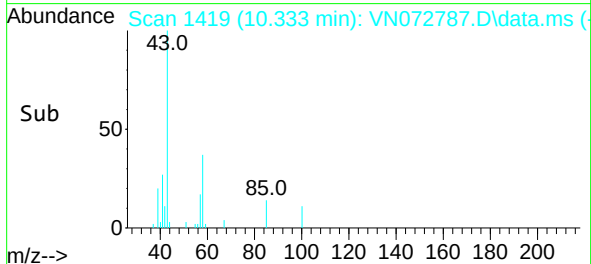
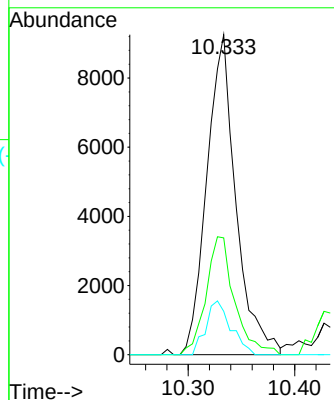
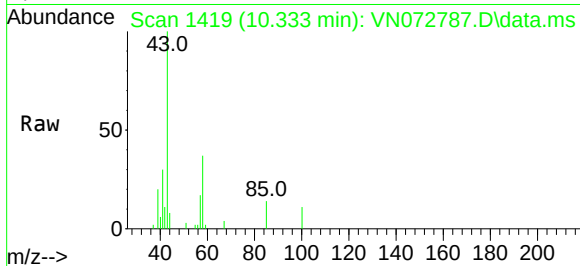




#58
4-Methyl-2-Pentanone
Concen: 3.620 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.006 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

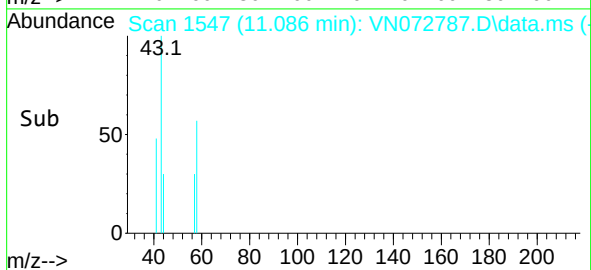
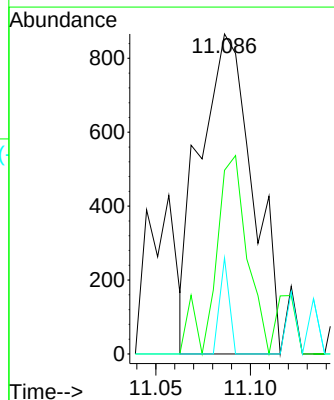
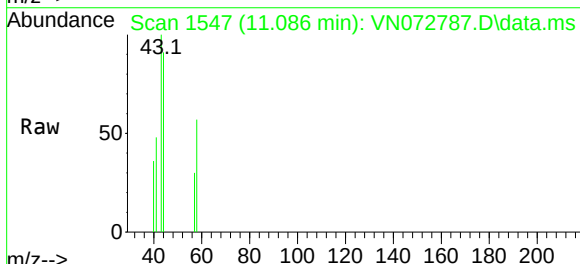
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

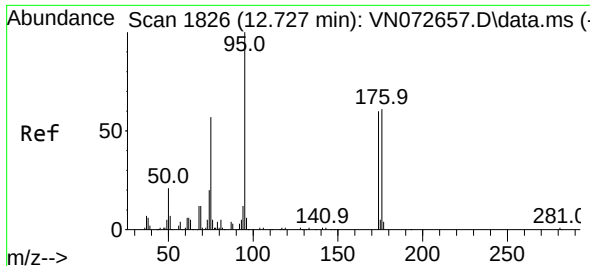
Tgt Ion: 43 Resp: 17563
Ion Ratio Lower Upper
43 100
58 35.8 30.0 45.0
85 14.5 15.0 22.6#



#59
2-Hexanone
Concen: 0.457 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

Tgt Ion: 43 Resp: 1680
Ion Ratio Lower Upper
43 100
58 34.1 42.2 63.2#
57 0.0 15.0 22.4#

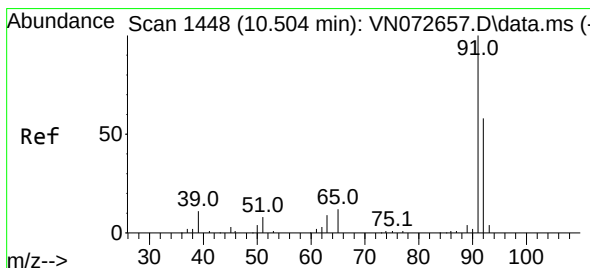
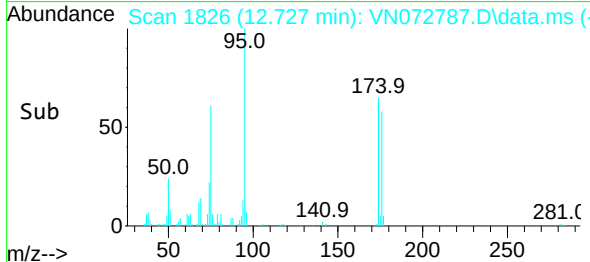
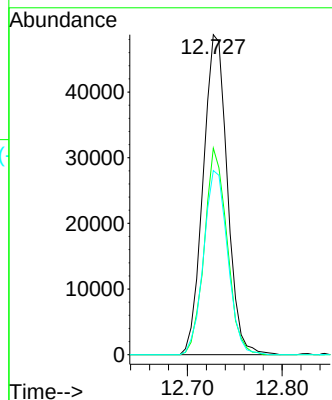
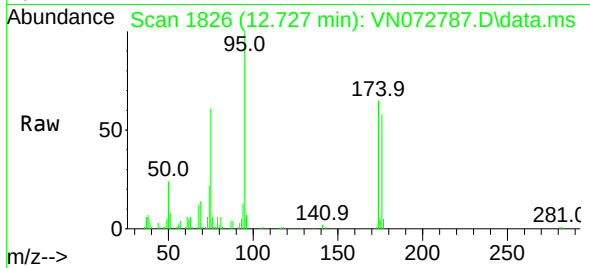




#60
4-Bromofluorobenzene
Concen: 25.930 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

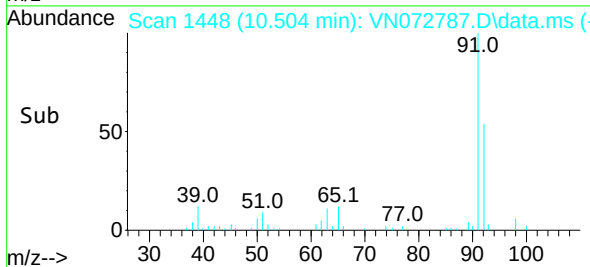
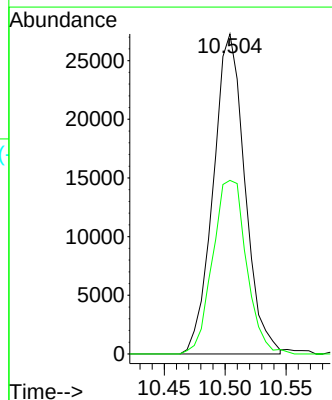
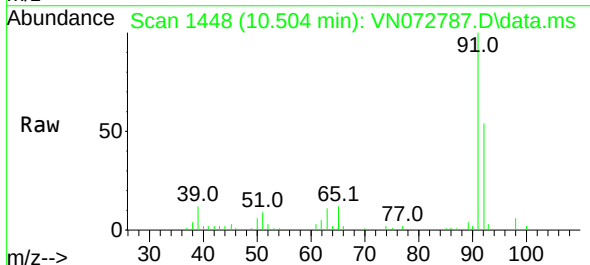
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

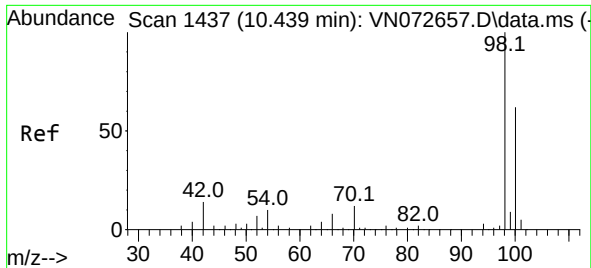
Tgt Ion: 95 Resp: 86260
Ion Ratio Lower Upper
95 100
174 60.5 62.9 94.3#
176 57.4 61.0 91.4#



#62
Toluene
Concen: 4.489 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

Tgt Ion: 91 Resp: 49227
Ion Ratio Lower Upper
91 100
92 58.0 44.6 67.0

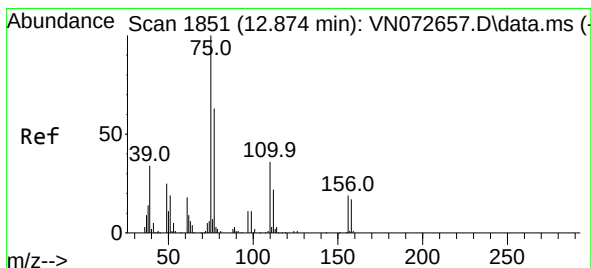
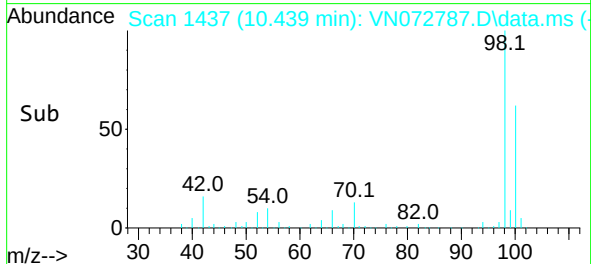
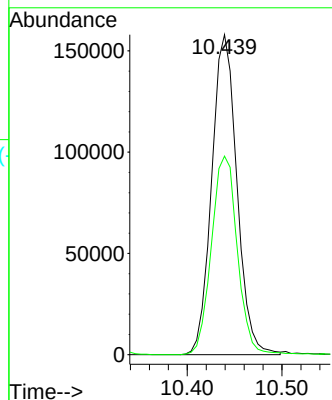
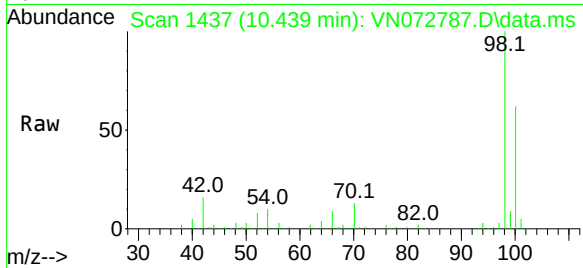




#63
Toluene-d8
Concen: 32.631 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

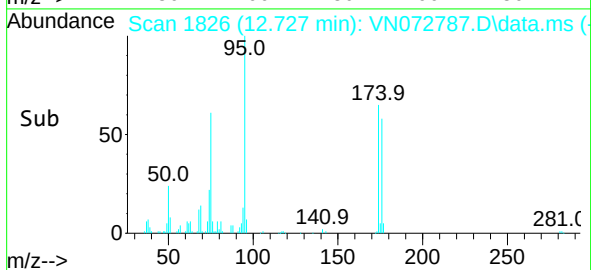
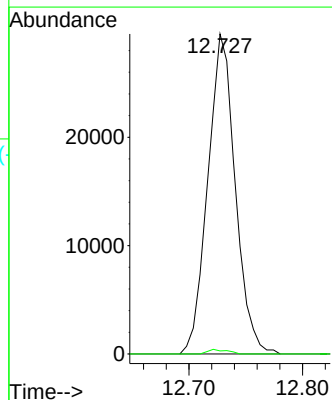
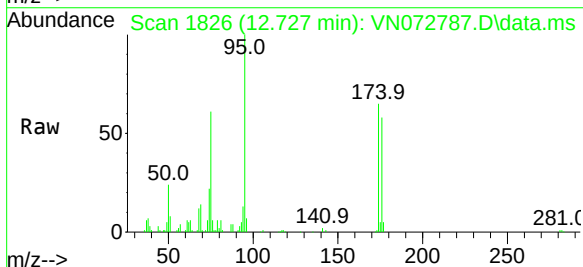
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

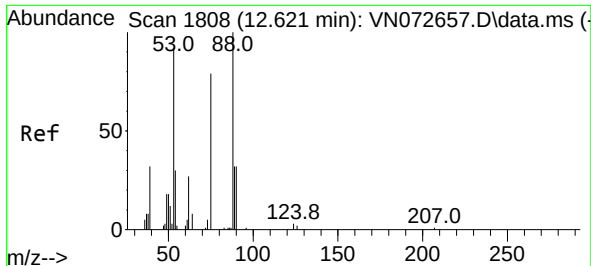
Tgt Ion: 98 Resp: 292366
Ion Ratio Lower Upper
98 100
100 63.8 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 13.722 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

Tgt Ion: 75 Resp: 49628
Ion Ratio Lower Upper
75 100
77 1.0 0.0 378.0

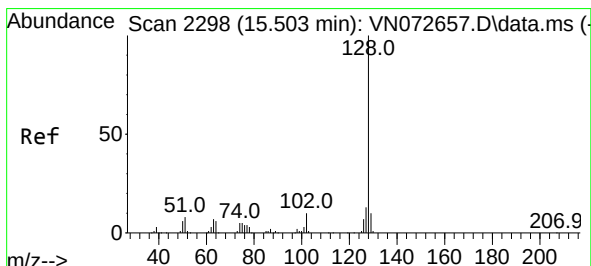
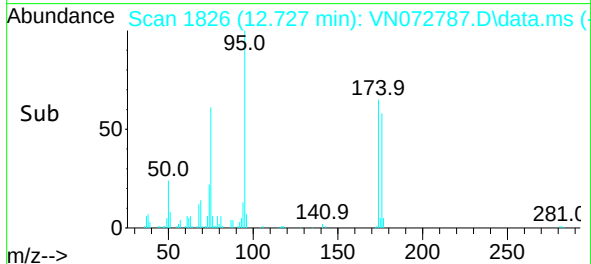
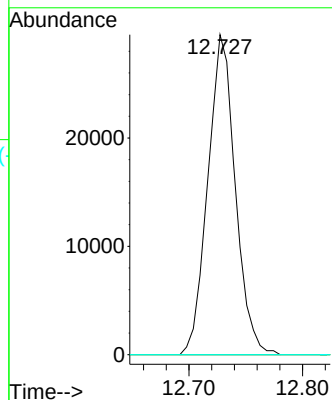
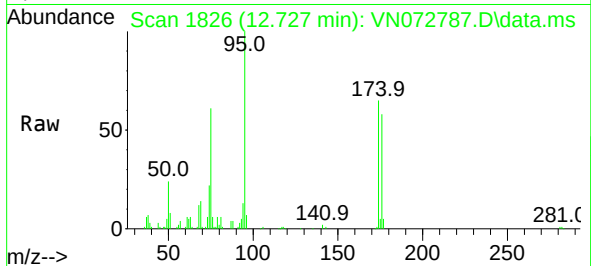




#77
t-1,4-Dichloro-2-butene
Concen: 32.558 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

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

Tgt Ion: 75 Resp: 49628
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#91
Naphthalene
Concen: 0.252 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VN072787.D
Acq: 11 Jun 2022 14:05

Tgt Ion: 128 Resp: 2183
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.6#

