

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080323\
 Data File : VN078751.D
 Acq On : 03 Aug 2023 14:32
 Operator : JC\MD
 Sample : 03884-03DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(JULY)DL

Quant Time: Aug 04 06:31:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 04:51:47 2023
 Response via : Initial Calibration

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

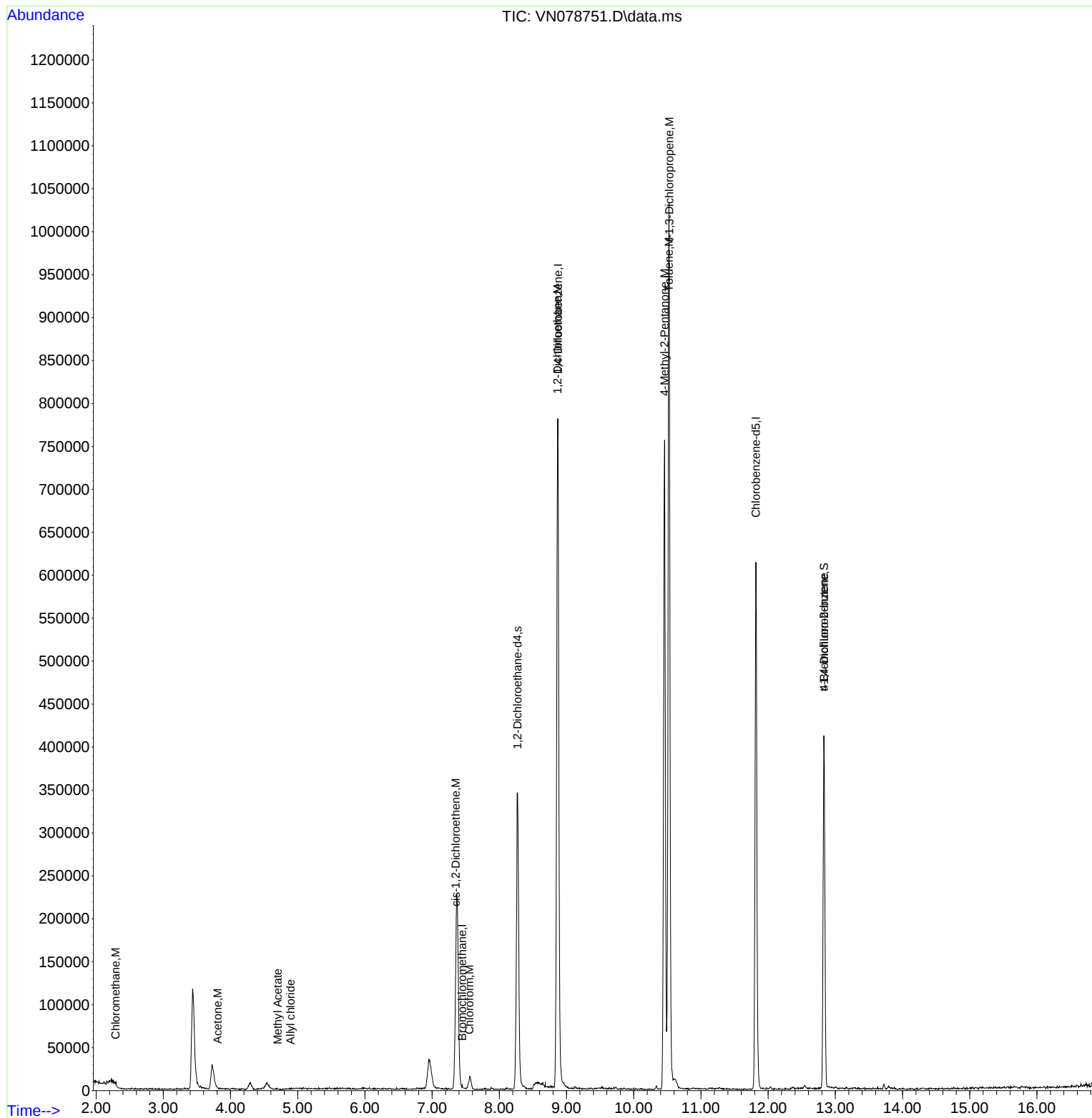
Internal Standards						
1) Bromochloromethane	7.447	128	530	30.000	ug/l	-0.38
28) 1,4-Difluorobenzene	8.871	114	745728	30.000	ug/l	-0.24
57) Chlorobenzene-d5	11.818	117	374577	30.000	ug/l	-0.05
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.271	65	300198	7556.275	ug/l	-0.32
Spiked Amount	30.000	Range 91 - 110	Recovery	= 25187.600%#		
60) 4-Bromofluorobenzene	12.829	95	148125	26.387	ug/l	-0.02
Spiked Amount	30.000	Range 63 - 112	Recovery	= 87.967%		
63) Toluene-d8	10.588	98	213	0.012	ug/l	0.02
Spiked Amount	30.000	Range 91 - 112	Recovery	= 0.0333%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.289	50	140	3.402	ug/l #	44
12) Methyl Acetate	4.701	43	69	1.441	ug/l #	49
15) Acetone	3.806	58	218	53.650	ug/l #	1
17) Allyl chloride	4.895	41	157	3.894	ug/l #	19
22) cis-1,2-Dichloroethene	7.353	96	128	3.339	ug/l #	1
25) Chloroform	7.553	83	14280	224.394	ug/l #	73
36) 1,2-Dichloroethane	8.865	62	22929	1.981	ug/l #	75
48) t-1,3-Dichloropropene	10.530	75	6402	0.491	ug/l #	1
58) 4-Methyl-2-Pentanone	10.459	43	2305	0.411	ug/l #	1
62) Toluene	10.524	91	821918	36.479	ug/l	99
77) t-1,4-Dichloro-2-butene	12.829	75	79395	38.181	ug/l #	15

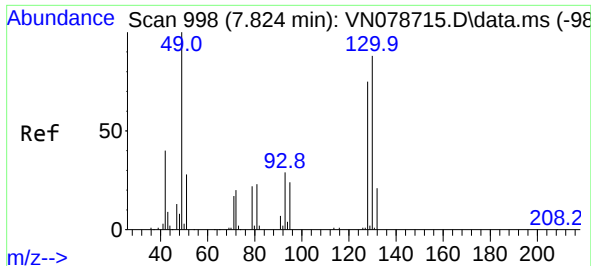
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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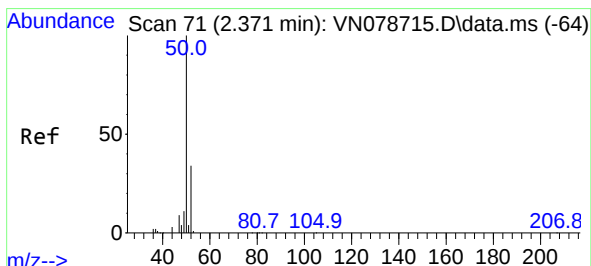
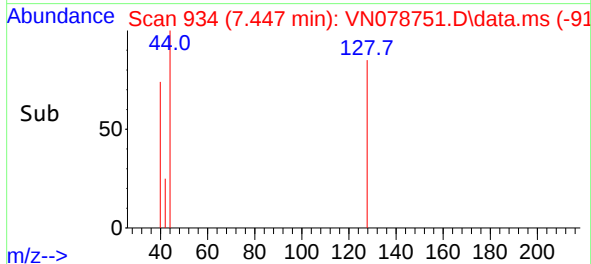
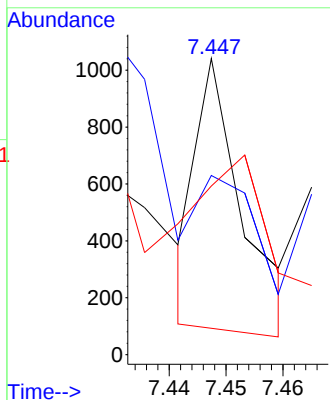
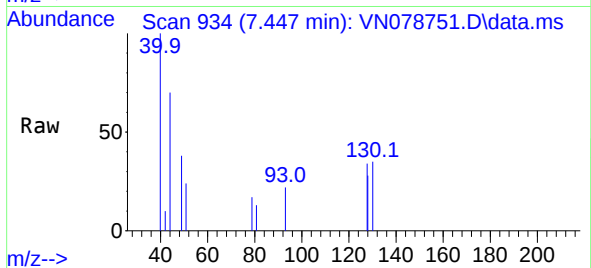




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.447 min Scan# 91
Delta R.T. -0.377 min
Lab File: VN078751.D
Acq: 03 Aug 2023 14:32

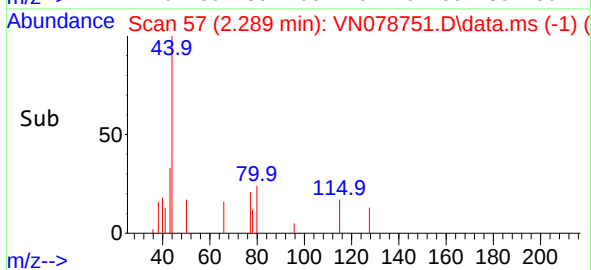
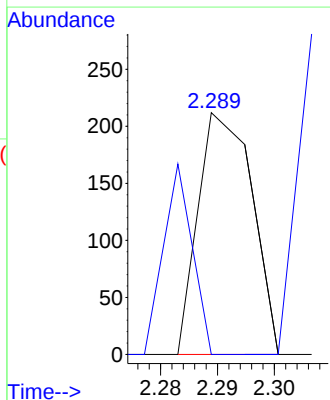
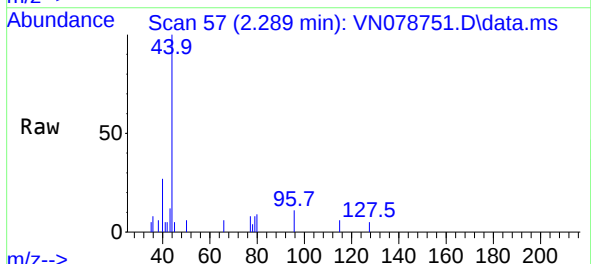
Instrument :
MSVOA_N
ClientSampleId :
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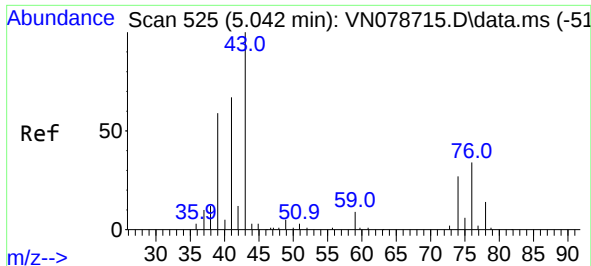
Tgt Ion:128 Resp: 530
Ion Ratio Lower Upper
128 100
49 51.5 0.0 370.8
130 163.2 0.0 307.0



#3
Chloromethane
Concen: 3.402 ug/l
RT: 2.289 min Scan# 57
Delta R.T. -0.082 min
Lab File: VN078751.D
Acq: 03 Aug 2023 14:32

Tgt Ion: 50 Resp: 140
Ion Ratio Lower Upper
50 100
52 0.0 24.6 36.8#

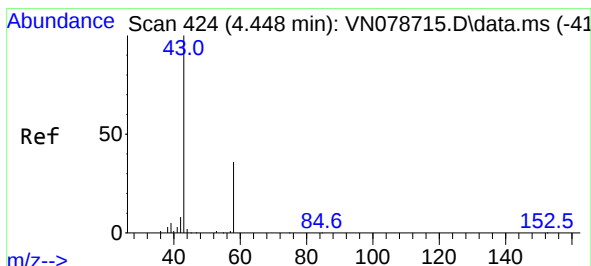
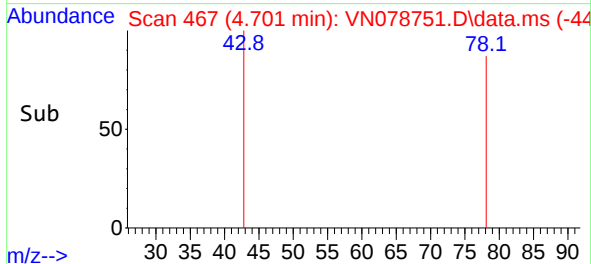
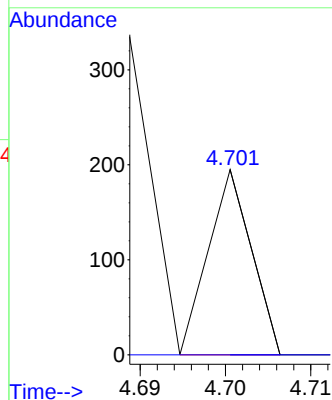
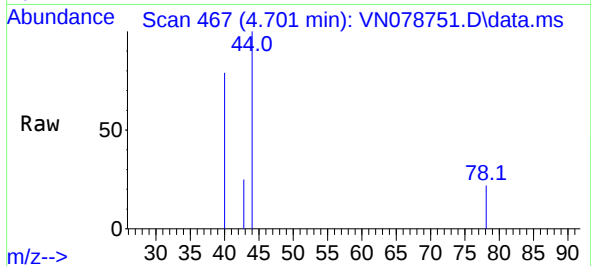




#12
Methyl Acetate
Concen: 1.441 ug/l
RT: 4.701 min Scan# 41
Delta R.T. -0.341 min
Lab File: VN078751.D
Acq: 03 Aug 2023 14:32

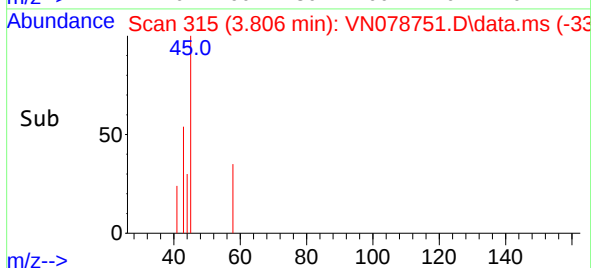
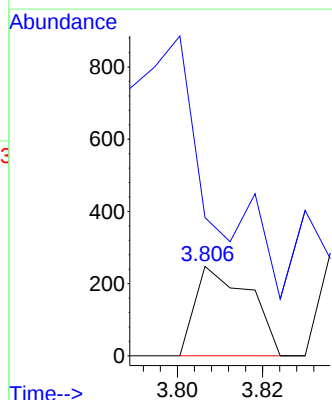
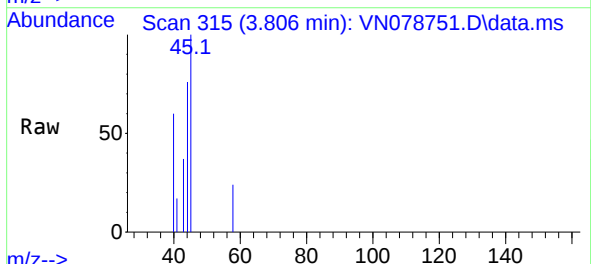
Instrument :
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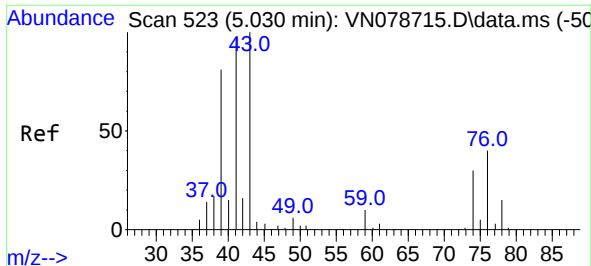
Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
74 0.0 20.5 30.7#



#15
Acetone
Concen: 53.650 ug/l
RT: 3.806 min Scan# 315
Delta R.T. -0.641 min
Lab File: VN078751.D
Acq: 03 Aug 2023 14:32

Tgt Ion: 58 Resp: 218
Ion Ratio Lower Upper
58 100
43 91.1 227.5 341.3#





#17

Allyl chloride

Concen: 3.894 ug/l

RT: 4.895 min Scan# 50

Delta R.T. -0.135 min

Lab File: VN078751.D

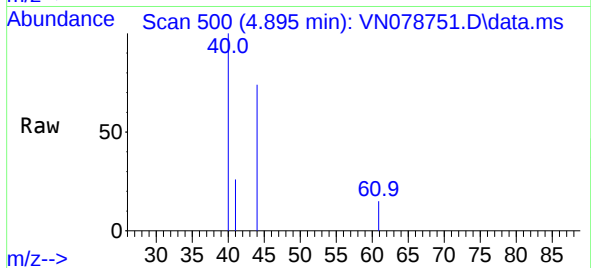
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Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(JULY)DL



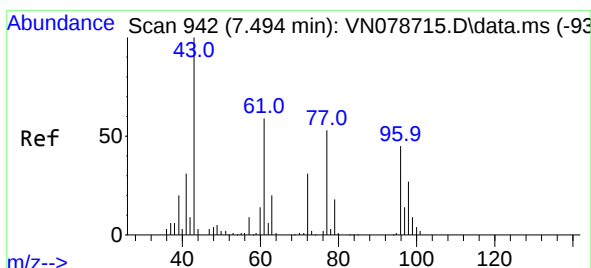
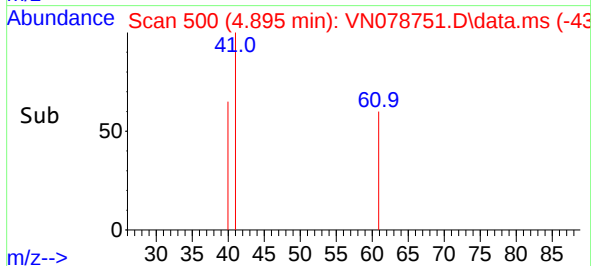
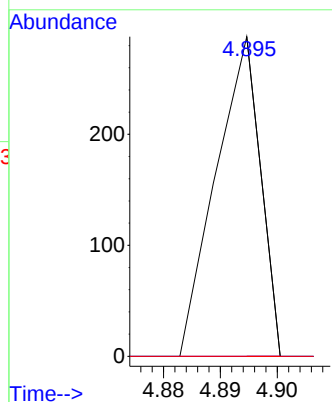
Tgt Ion: 41 Resp: 157

Ion Ratio Lower Upper

41 100

39 0.0 37.6 112.8#

76 0.0 23.8 71.4#



#22

cis-1,2-Dichloroethene

Concen: 3.339 ug/l

RT: 7.353 min Scan# 918

Delta R.T. -0.141 min

Lab File: VN078751.D

Acq: 03 Aug 2023 14:32

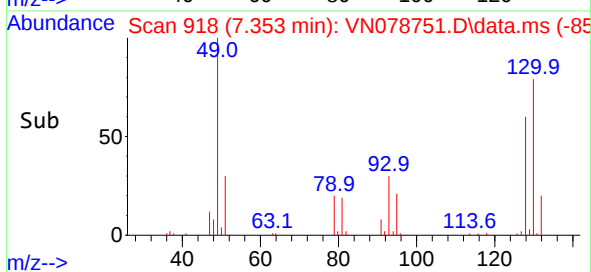
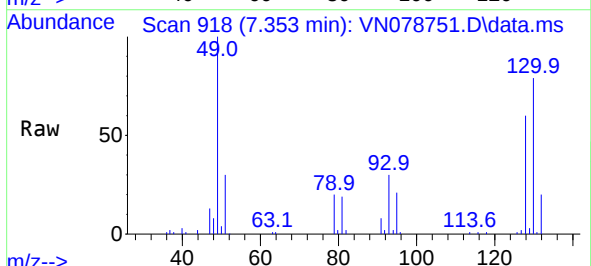
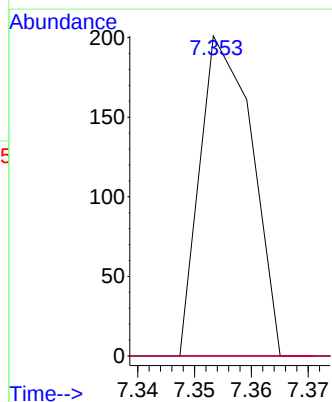
Tgt Ion: 96 Resp: 128

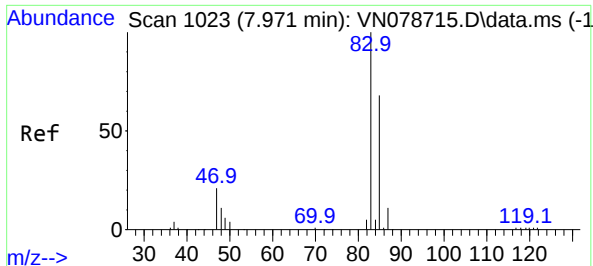
Ion Ratio Lower Upper

96 100

61 0.0 113.8 170.6#

98 0.0 52.2 78.4#

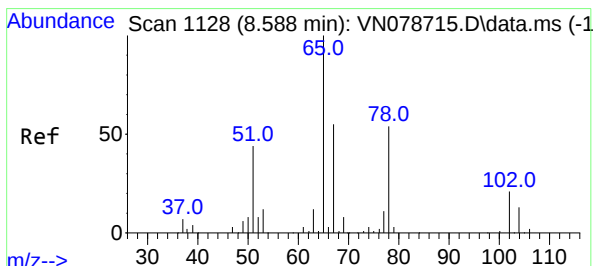
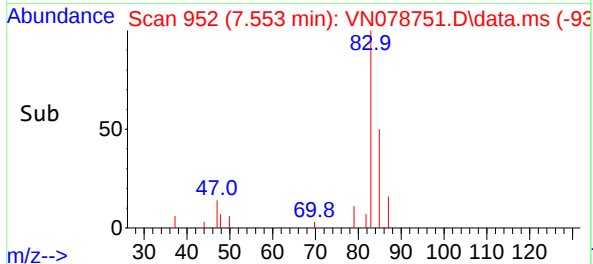
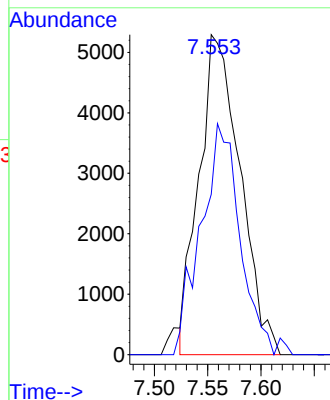
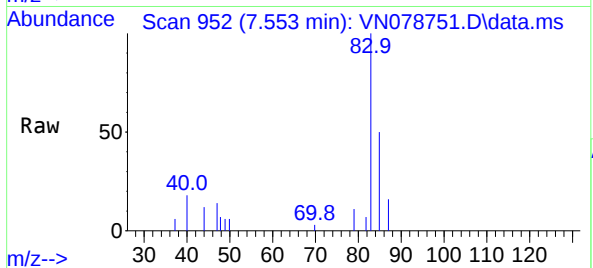




#25
Chloroform
Concen: 224.394 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.418 min
Lab File: VN078751.D
Acq: 03 Aug 2023 14:32

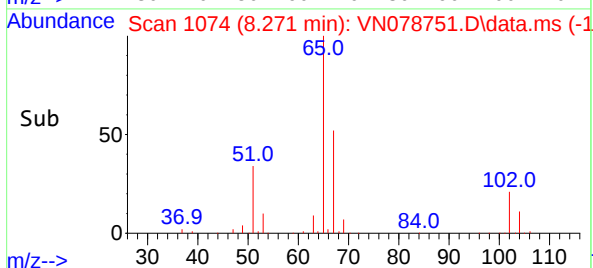
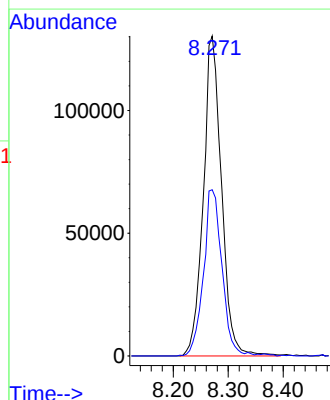
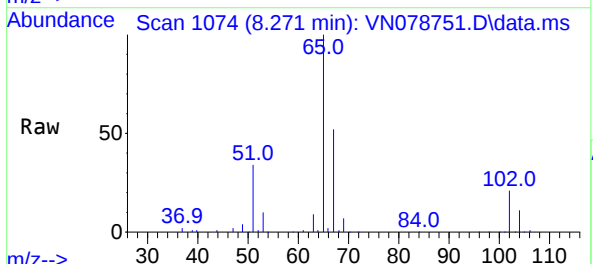
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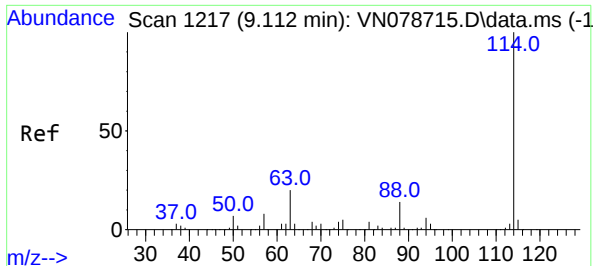
Tgt Ion: 83 Resp: 14280
Ion Ratio Lower Upper
83 100
85 44.9 53.4 80.0#



#27
1,2-Dichloroethane-d4
Concen: 7556.275 ug/l
RT: 8.271 min Scan# 1074
Delta R.T. -0.318 min
Lab File: VN078751.D
Acq: 03 Aug 2023 14:32

Tgt Ion: 65 Resp: 300198
Ion Ratio Lower Upper
65 100
67 52.4 42.9 64.3

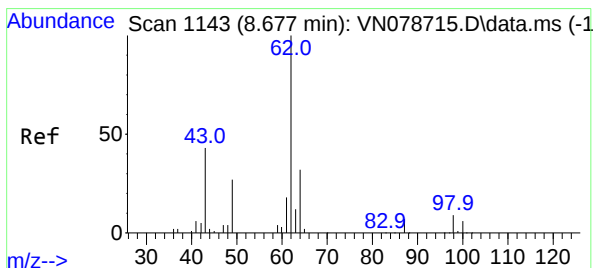
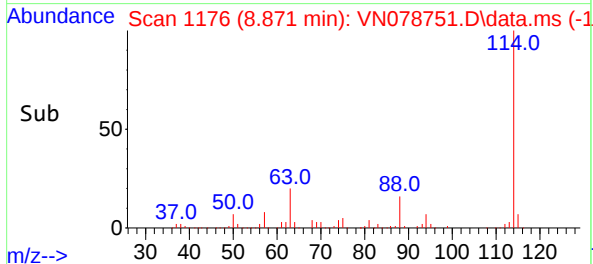
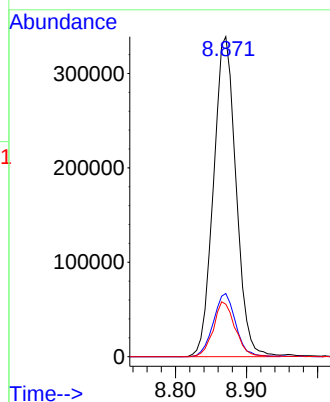
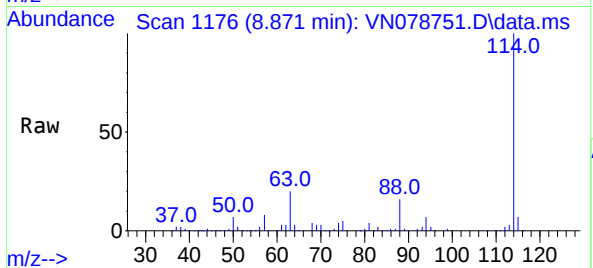




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.871 min Scan# 1176
Delta R.T. -0.241 min
Lab File: VN078751.D
Acq: 03 Aug 2023 14:32

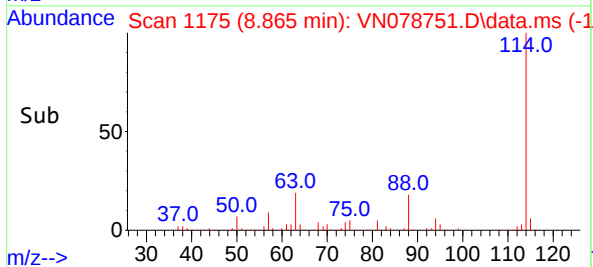
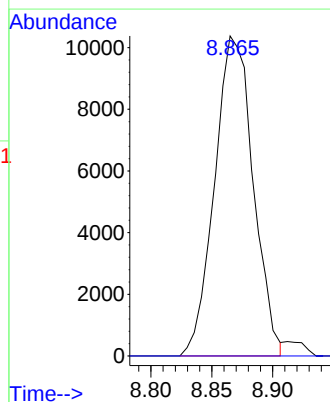
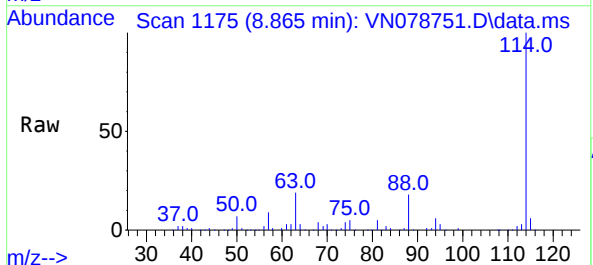
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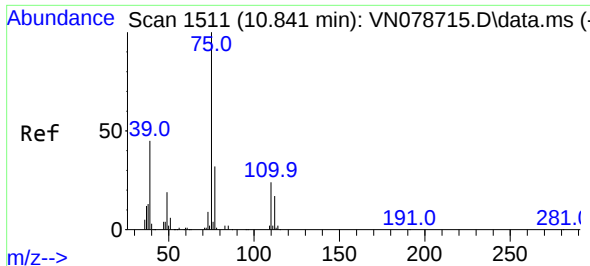
Tgt Ion:114 Resp: 745728
Ion Ratio Lower Upper
114 100
63 19.6 15.2 22.8
88 16.6 12.5 18.7



#36
1,2-Dichloroethane
Concen: 1.981 ug/l
RT: 8.865 min Scan# 1175
Delta R.T. 0.188 min
Lab File: VN078751.D
Acq: 03 Aug 2023 14:32

Tgt Ion: 62 Resp: 22929
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#

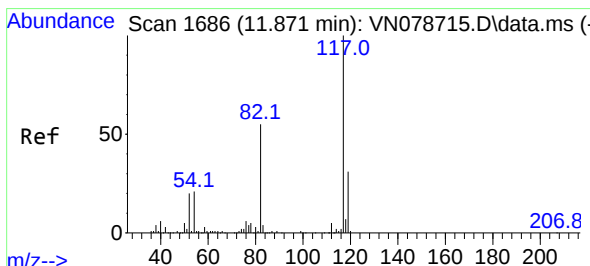
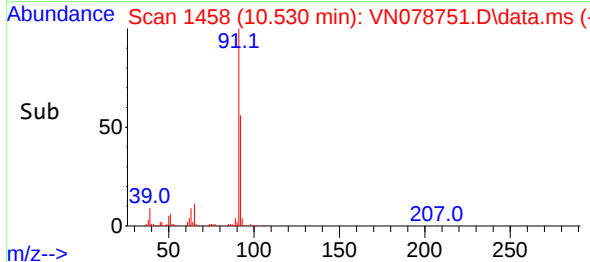
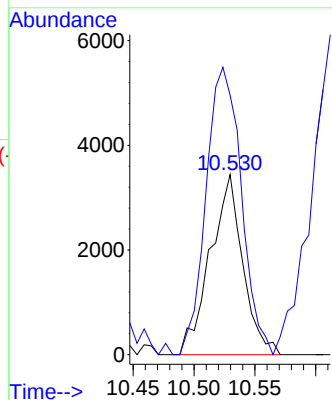
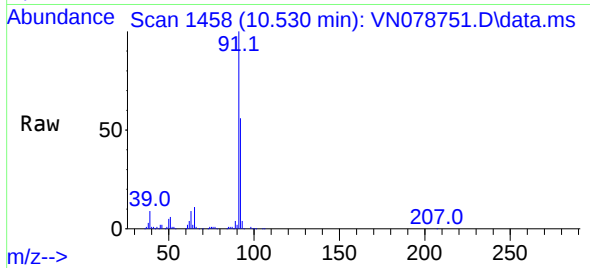




#48
t-1,3-Dichloropropene
Concen: 0.491 ug/l
RT: 10.530 min Scan# 1458
Delta R.T. -0.312 min
Lab File: VN078751.D
Acq: 03 Aug 2023 14:32

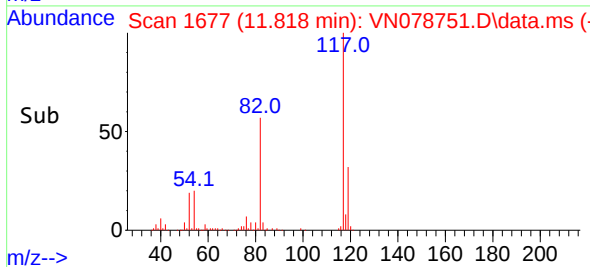
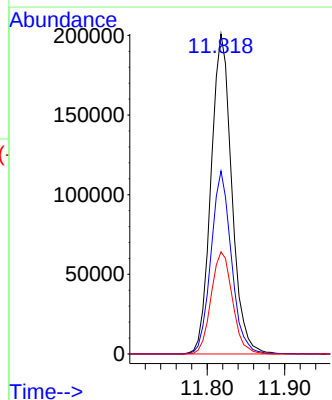
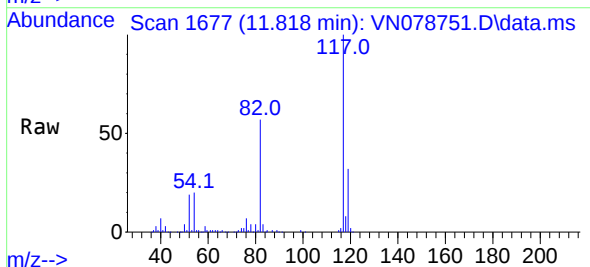
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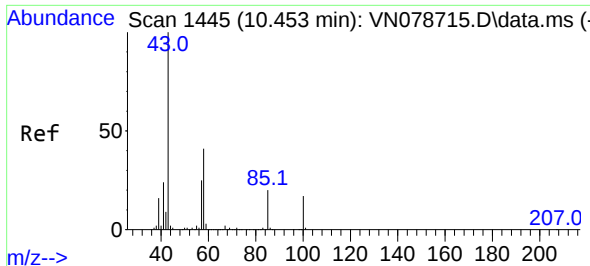
Tgt Ion: 75 Resp: 6402
Ion Ratio Lower Upper
75 100
77 144.0 26.1 39.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.818 min Scan# 1677
Delta R.T. -0.053 min
Lab File: VN078751.D
Acq: 03 Aug 2023 14:32

Tgt Ion: 117 Resp: 374577
Ion Ratio Lower Upper
117 100
82 56.2 43.9 65.9
119 32.7 26.2 39.4

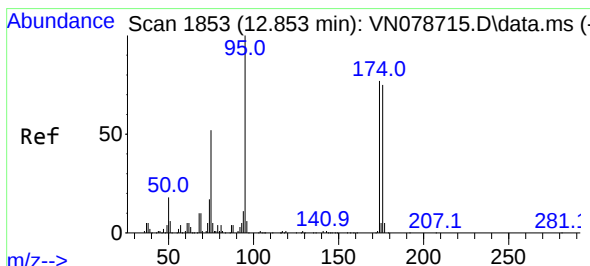
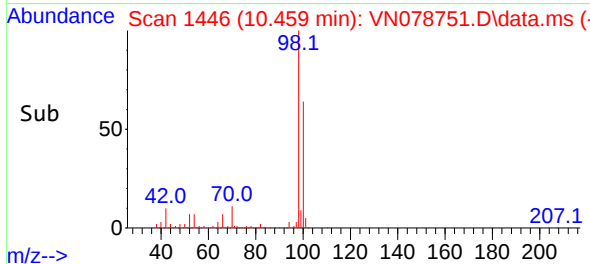
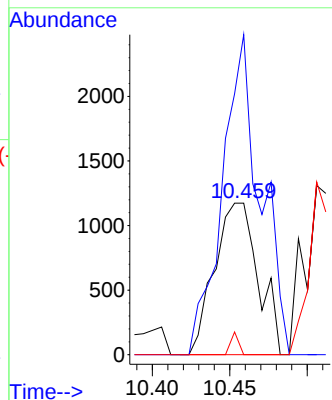
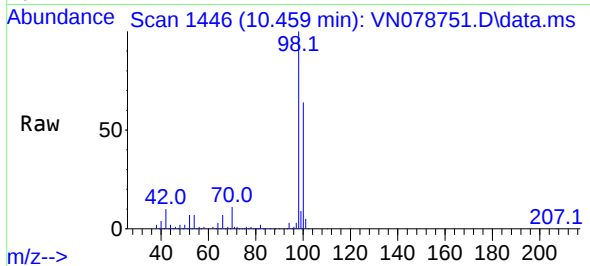




#58
4-Methyl-2-Pentanone
Concen: 0.411 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VN078751.D
Acq: 03 Aug 2023 14:32

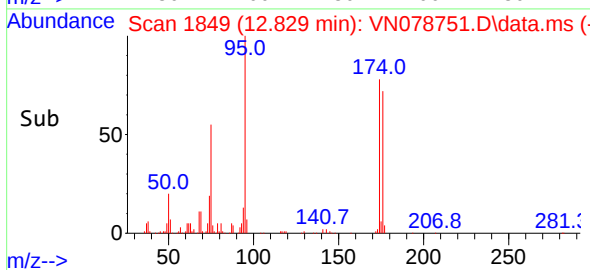
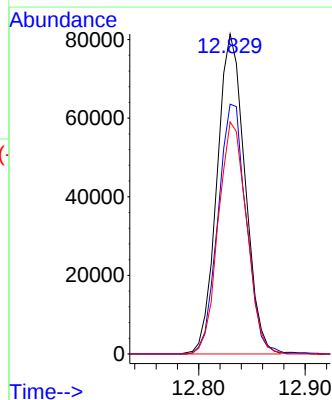
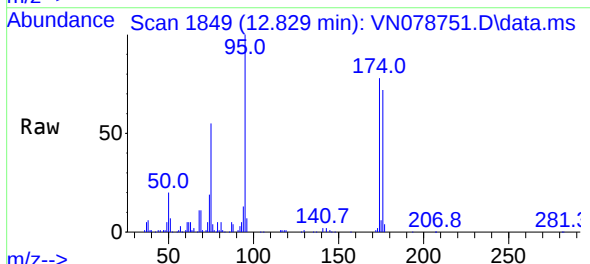
Instrument :
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001-WILLETS-PT-BLVD(JULY)DL

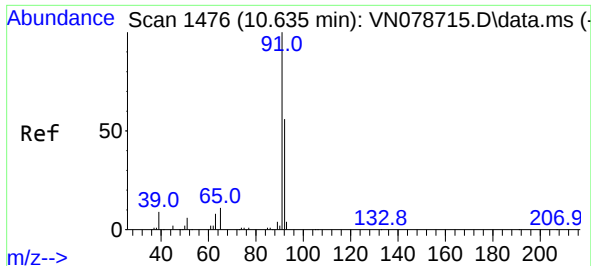
Tgt Ion: 43 Resp: 2305
Ion Ratio Lower Upper
43 100
58 156.3 32.6 48.8#
85 0.0 16.2 24.2#



#60
4-Bromofluorobenzene
Concen: 26.387 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.023 min
Lab File: VN078751.D
Acq: 03 Aug 2023 14:32

Tgt Ion: 95 Resp: 148125
Ion Ratio Lower Upper
95 100
174 79.0 61.7 92.5
176 73.5 58.1 87.1

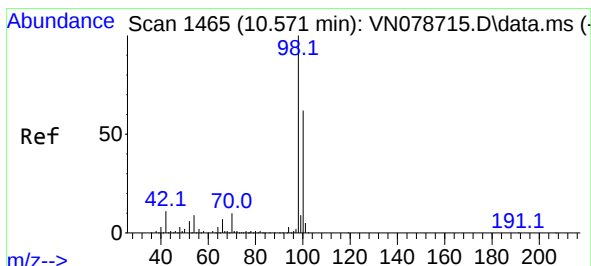
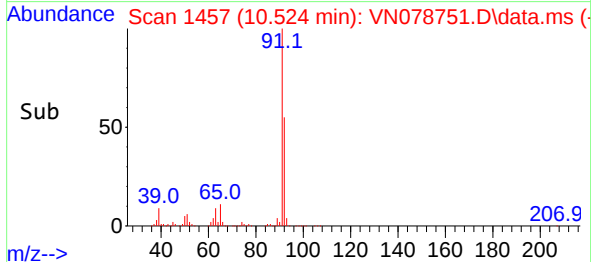
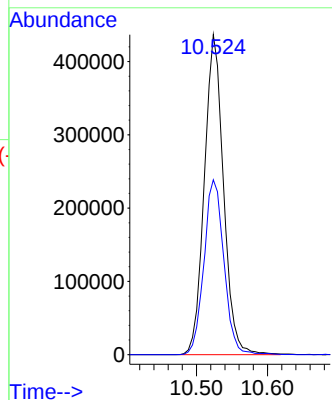
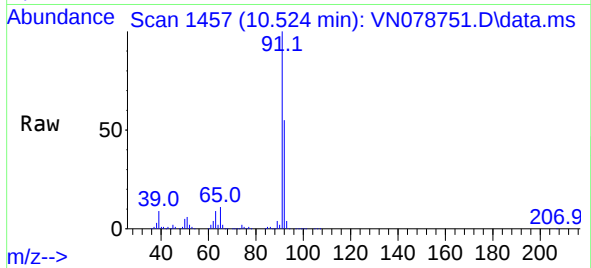




#62
Toluene
Concen: 36.479 ug/l
RT: 10.524 min Scan# 14
Delta R.T. -0.112 min
Lab File: VN078751.D
Acq: 03 Aug 2023 14:32

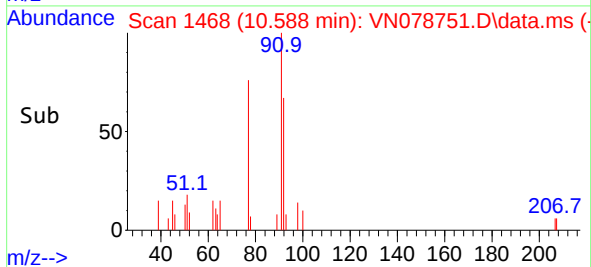
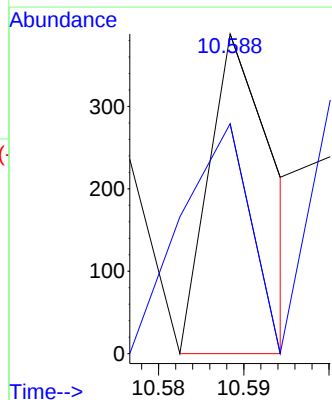
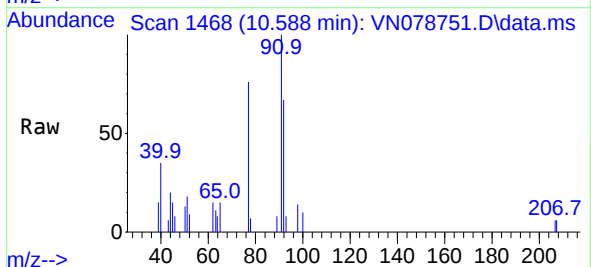
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)DL

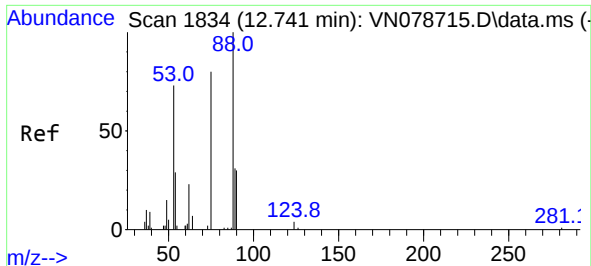
Tgt Ion: 91 Resp: 821918
Ion Ratio Lower Upper
91 100
92 56.9 45.2 67.8



#63
Toluene-d8
Concen: 0.012 ug/l
RT: 10.588 min Scan# 1468
Delta R.T. 0.018 min
Lab File: VN078751.D
Acq: 03 Aug 2023 14:32

Tgt Ion: 98 Resp: 213
Ion Ratio Lower Upper
98 100
100 73.7 49.7 74.5





#77

t-1,4-Dichloro-2-butene

Concen: 38.181 ug/l

RT: 12.829 min Scan# 11

Delta R.T. 0.088 min

Lab File: VN078751.D

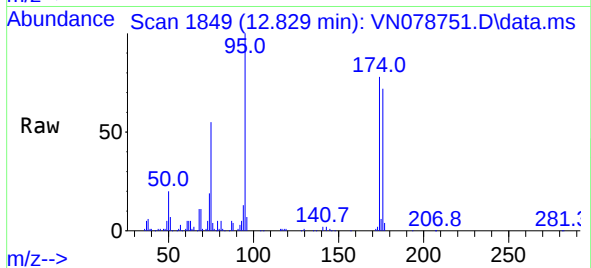
Acq: 03 Aug 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(JULY)DL



Tgt Ion: 75 Resp: 79395

Ion Ratio Lower Upper

75 100

53 0.0 41.6 124.9#

89 0.0 25.1 75.4#

