

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
 Data File : VN078383.D
 Acq On : 23 Jun 2023 17:15
 Operator : JC\MD
 Sample : 03395-01DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jun 24 01:23:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 24 00:59:50 2023
 Response via : Initial Calibration

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

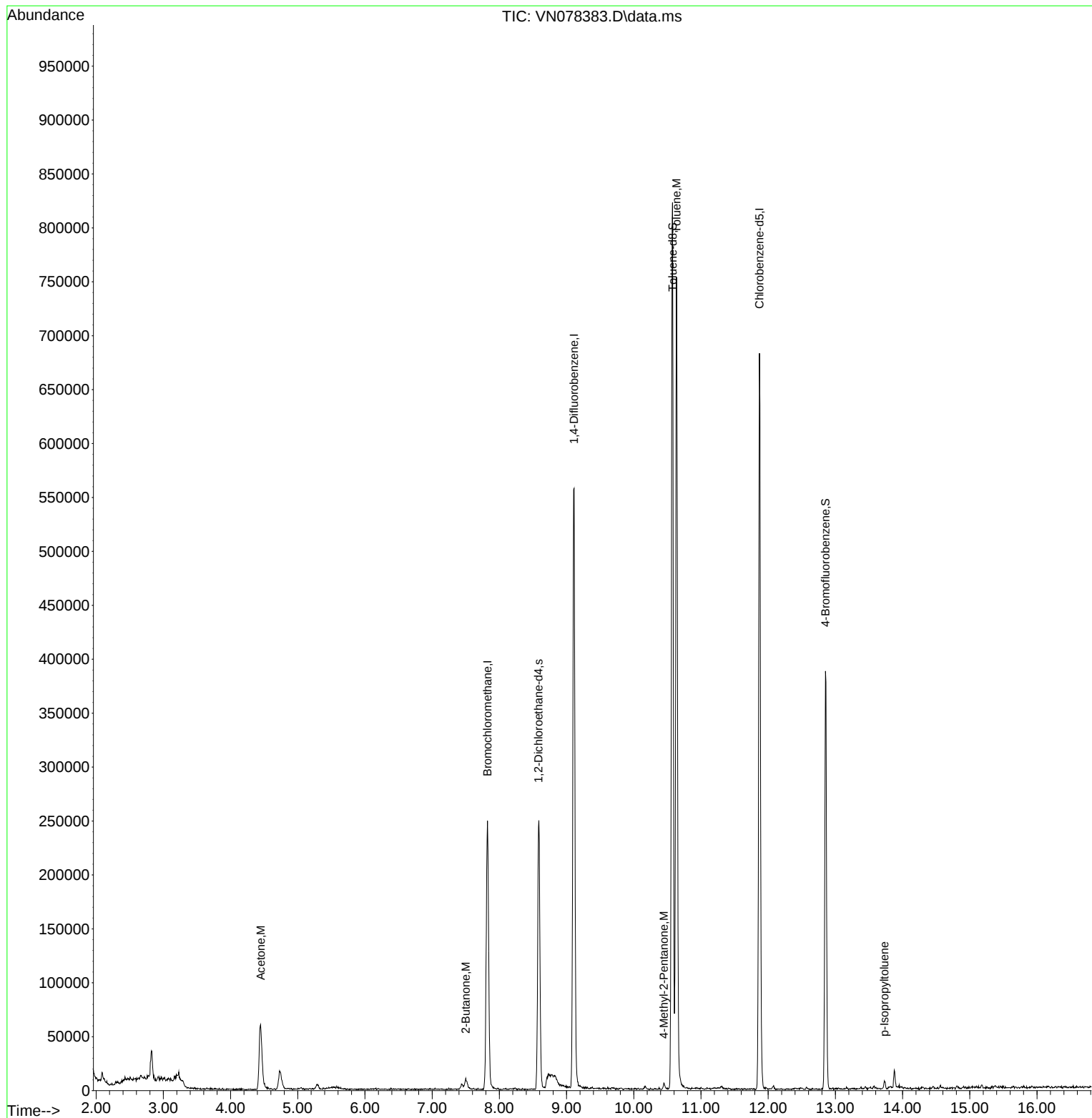
Internal Standards						
1) Bromochloromethane	7.824	128	92668	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	505038	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	413130	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	205892	29.505	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.333%		
60) 4-Bromofluorobenzene	12.853	95	142326	24.452	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	81.500%		
63) Toluene-d8	10.576	98	605740	30.261	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.867%		
Target Compounds						
					Qvalue	
15) Acetone	4.447	58	37651	60.151	ug/l	96
30) 2-Butanone	7.500	43	15232	5.551	ug/l #	77
58) 4-Methyl-2-Pentanone	10.447	43	3684	0.668	ug/l #	77
62) Toluene	10.635	91	590062	24.541	ug/l	99
82) p-Isopropyltoluene	13.729	119	4464	0.296	ug/l	94

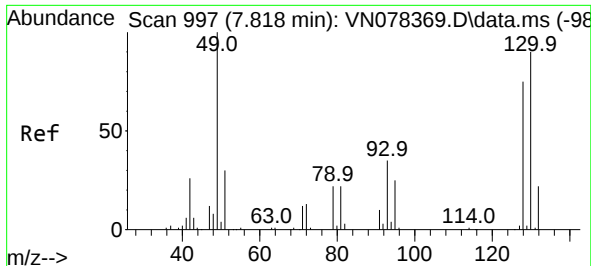
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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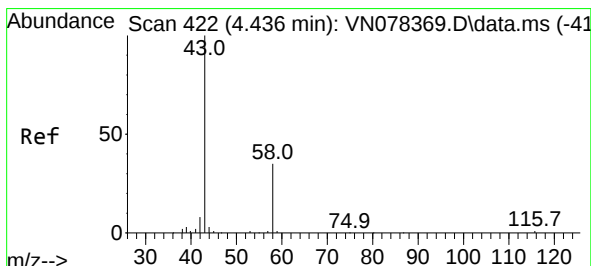
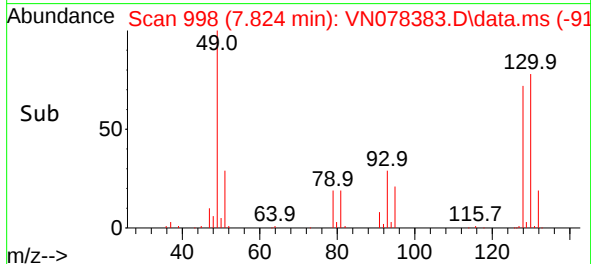
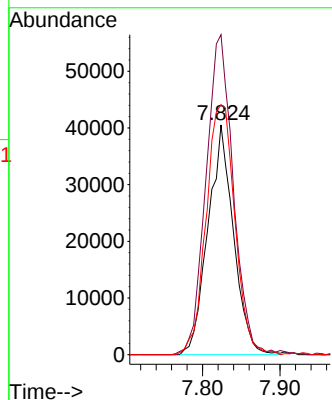
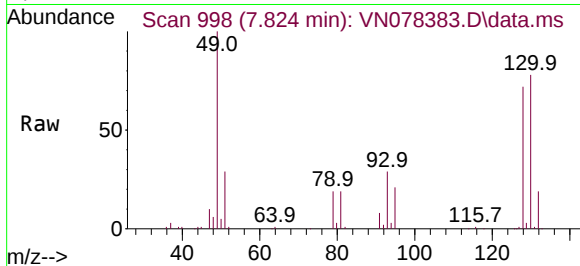




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078383.D
Acq: 23 Jun 2023 17:15

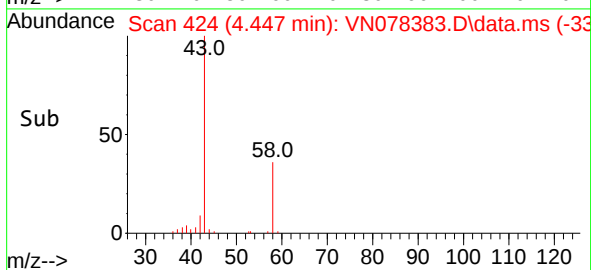
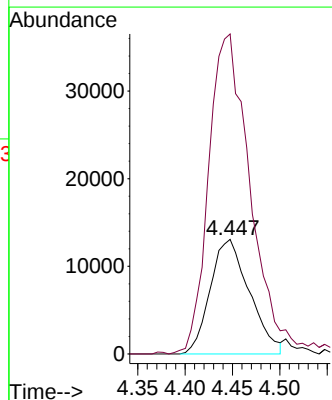
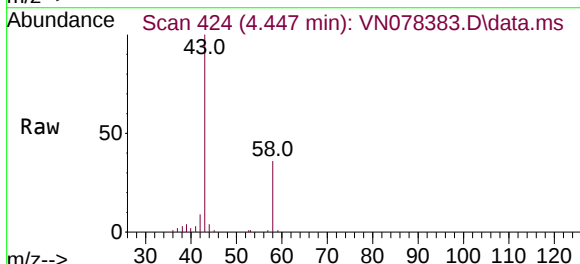
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

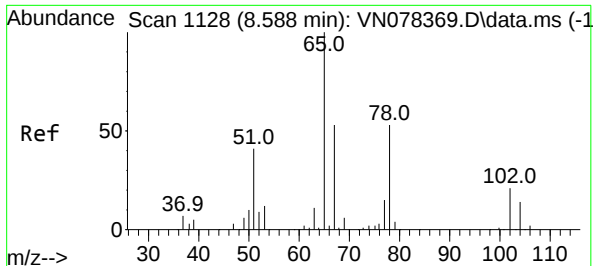
Tgt Ion:128 Resp: 92668
Ion Ratio Lower Upper
128 100
49 148.0 0.0 370.8
130 122.9 0.0 307.0



#15
Acetone
Concen: 60.151 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN078383.D
Acq: 23 Jun 2023 17:15

Tgt Ion: 58 Resp: 37651
Ion Ratio Lower Upper
58 100
43 276.2 227.5 341.3





#27

1,2-Dichloroethane-d4

Concen: 29.505 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN078383.D

Acq: 23 Jun 2023 17:15

Instrument :

MSVOA_N

ClientSampleId :

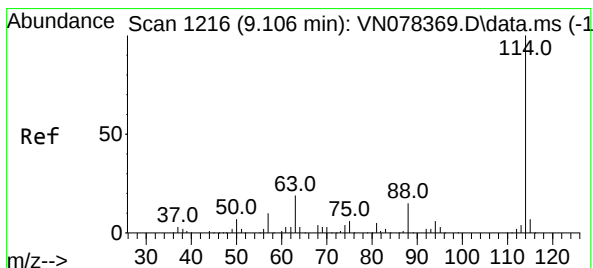
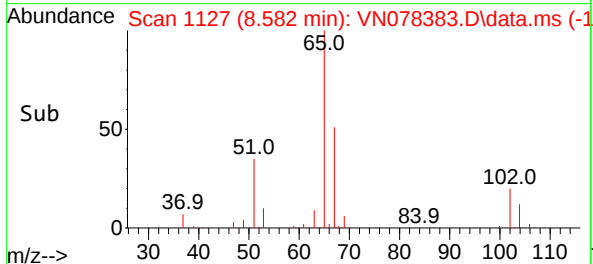
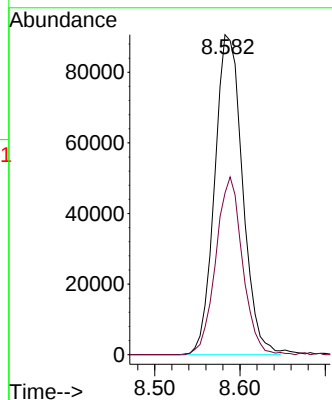
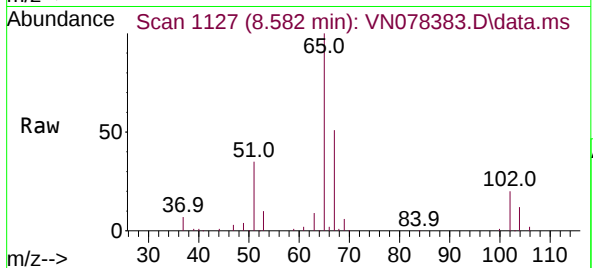
001-WILLETS-PT-BLVD(JUNE)DL

Tgt Ion: 65 Resp: 205892

Ion Ratio Lower Upper

65 100

67 53.2 42.9 64.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078383.D

Acq: 23 Jun 2023 17:15

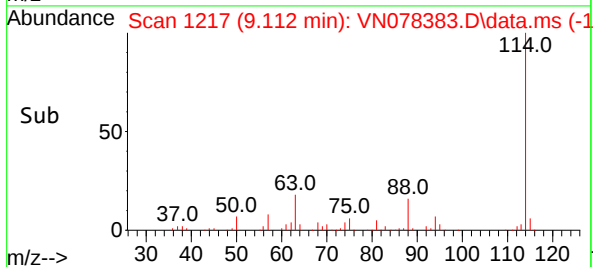
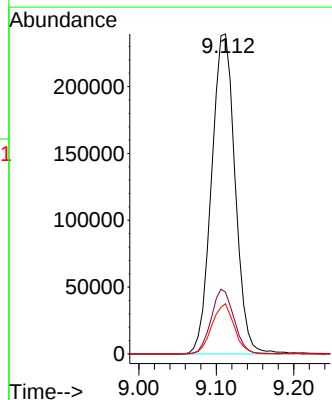
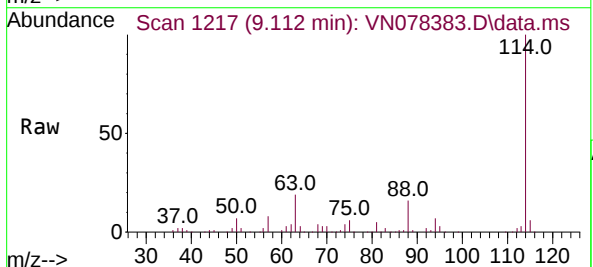
Tgt Ion: 114 Resp: 505038

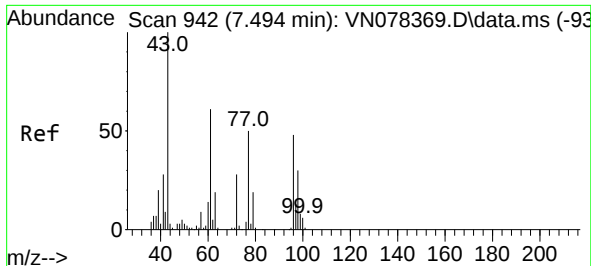
Ion Ratio Lower Upper

114 100

63 19.6 15.2 22.8

88 15.0 12.5 18.7

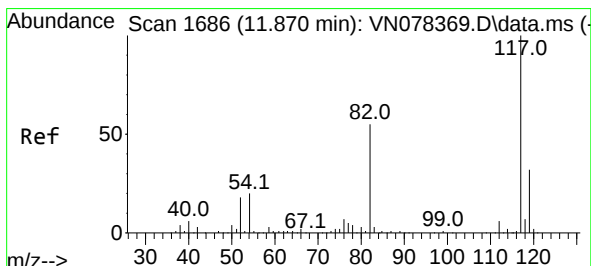
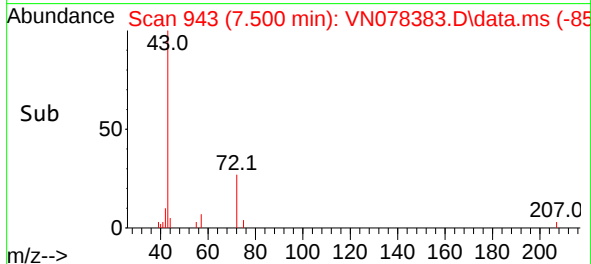
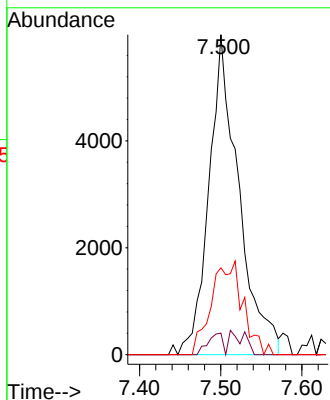
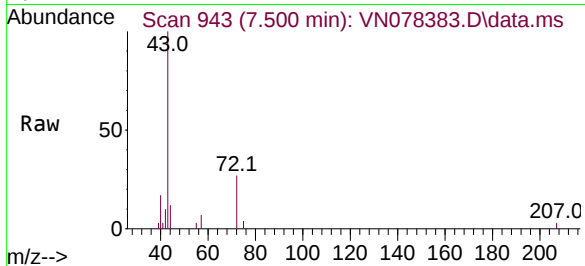




#30
2-Butanone
Concen: 5.551 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN078383.D
Acq: 23 Jun 2023 17:15

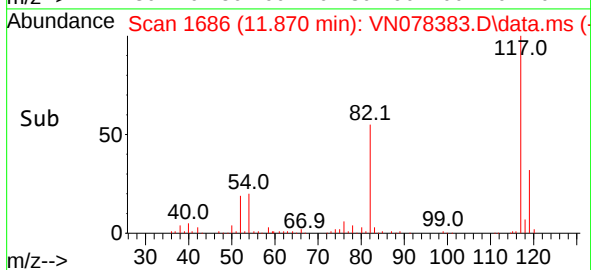
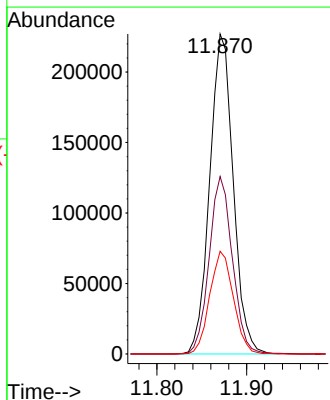
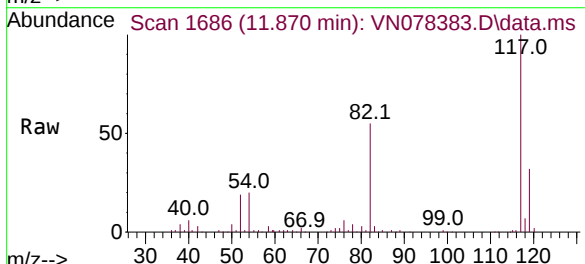
Instrument :
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001-WILLETS-PT-BLVD(JUNE)DL

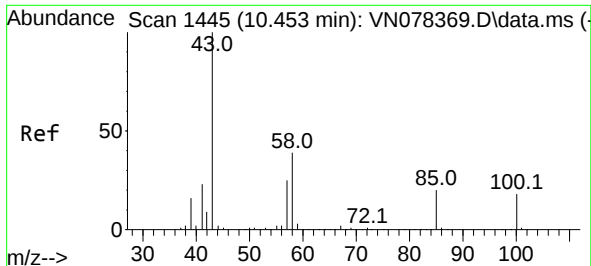
Tgt Ion: 43 Resp: 15232
Ion Ratio Lower Upper
43 100
57 3.3 6.8 10.2#
72 16.2 23.8 35.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078383.D
Acq: 23 Jun 2023 17:15

Tgt Ion: 117 Resp: 413130
Ion Ratio Lower Upper
117 100
82 54.8 43.9 65.9
119 32.3 26.2 39.4

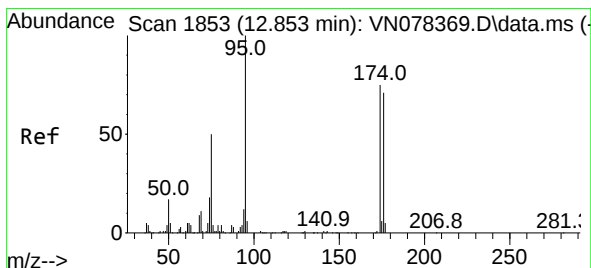
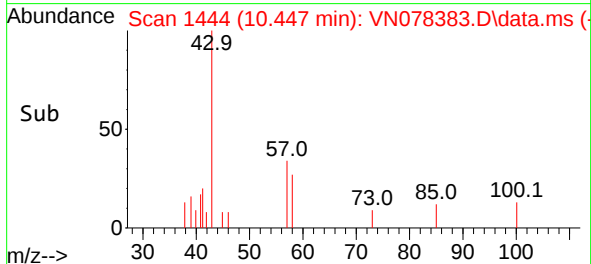
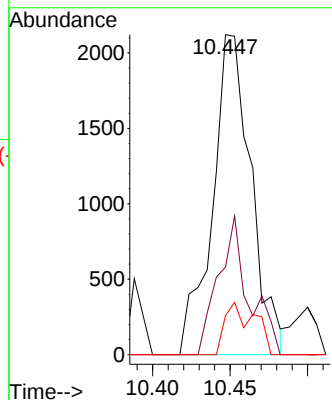
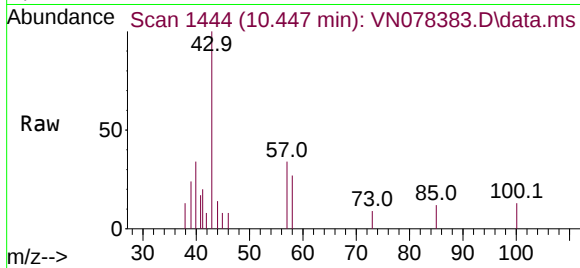




#58
4-Methyl-2-Pentanone
Concen: 0.668 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078383.D
Acq: 23 Jun 2023 17:15

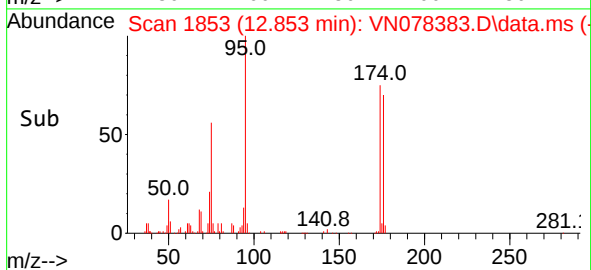
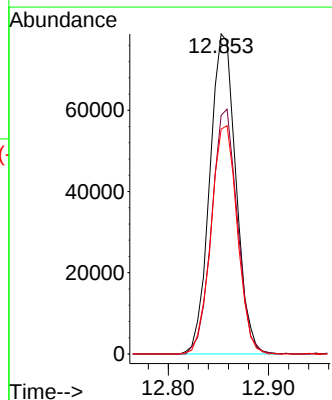
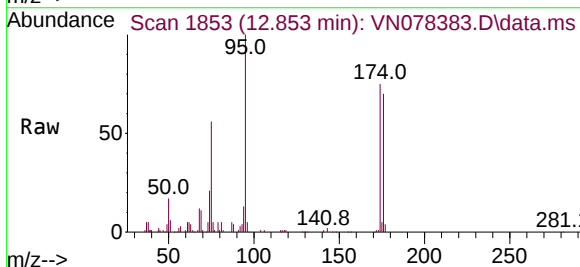
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

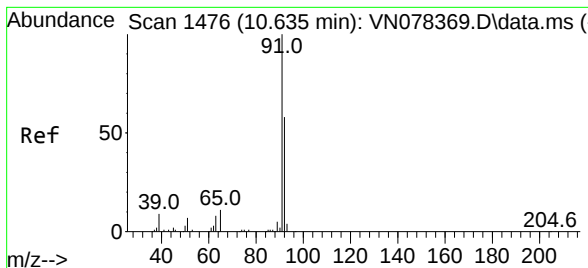
Tgt Ion: 43 Resp: 3684
Ion Ratio Lower Upper
43 100
58 28.2 32.6 48.8#
85 7.5 16.2 24.2#



#60
4-Bromofluorobenzene
Concen: 24.452 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078383.D
Acq: 23 Jun 2023 17:15

Tgt Ion: 95 Resp: 142326
Ion Ratio Lower Upper
95 100
174 75.0 61.7 92.5
176 71.5 58.1 87.1





#62

Toluene

Concen: 24.541 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN078383.D

Acq: 23 Jun 2023 17:15

Instrument :

MSVOA_N

ClientSampleId :

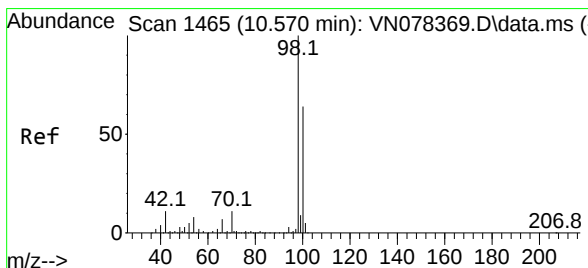
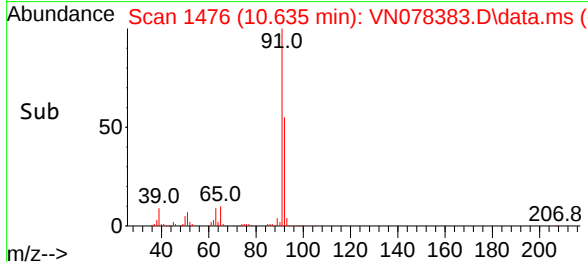
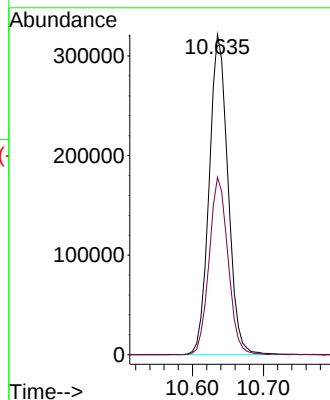
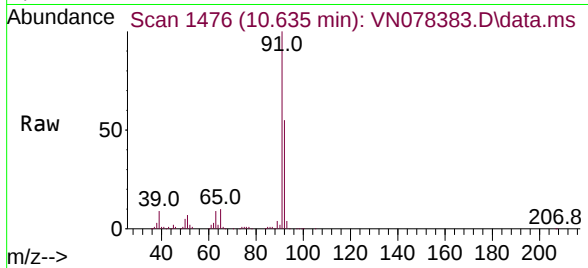
001-WILLETS-PT-BLVD(JUNE)DL

Tgt Ion: 91 Resp: 590062

Ion Ratio Lower Upper

91 100

92 55.6 45.2 67.8



#63

Toluene-d8

Concen: 30.261 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN078383.D

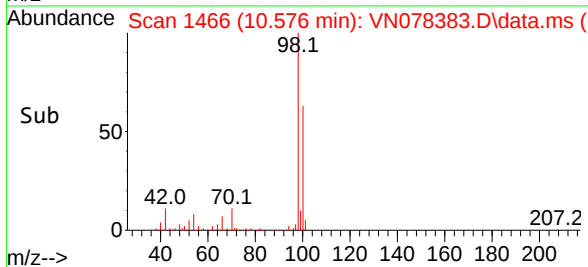
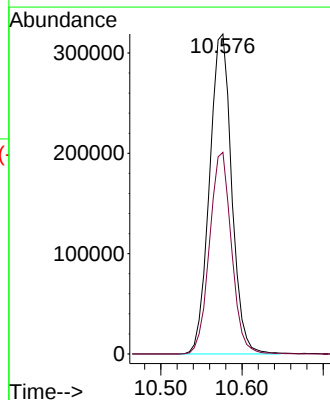
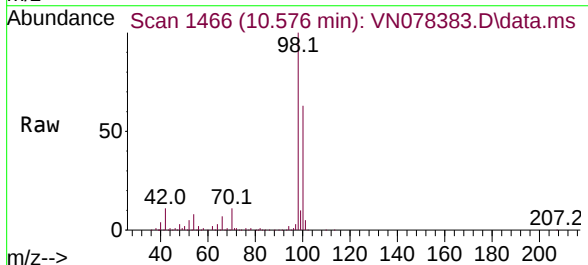
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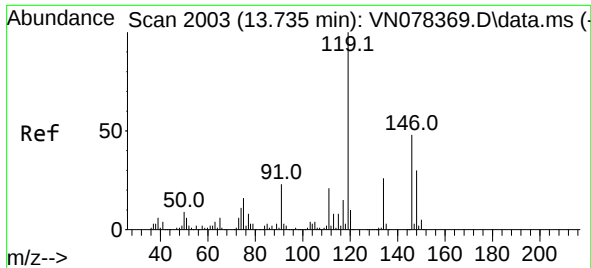
Tgt Ion: 98 Resp: 605740

Ion Ratio Lower Upper

98 100

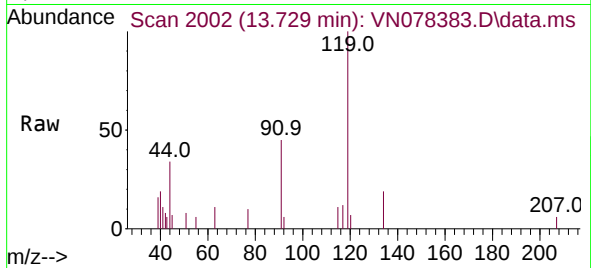
100 62.3 49.7 74.5





#82
 p-Isopropyltoluene
 Concen: 0.296 ug/l
 RT: 13.729 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN078383.D
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Tgt Ion:	119	Resp:	4464
Ion	Ratio	Lower	Upper
119	100		
134	21.4	0.0	52.4
91	25.5	0.0	48.2

