

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)

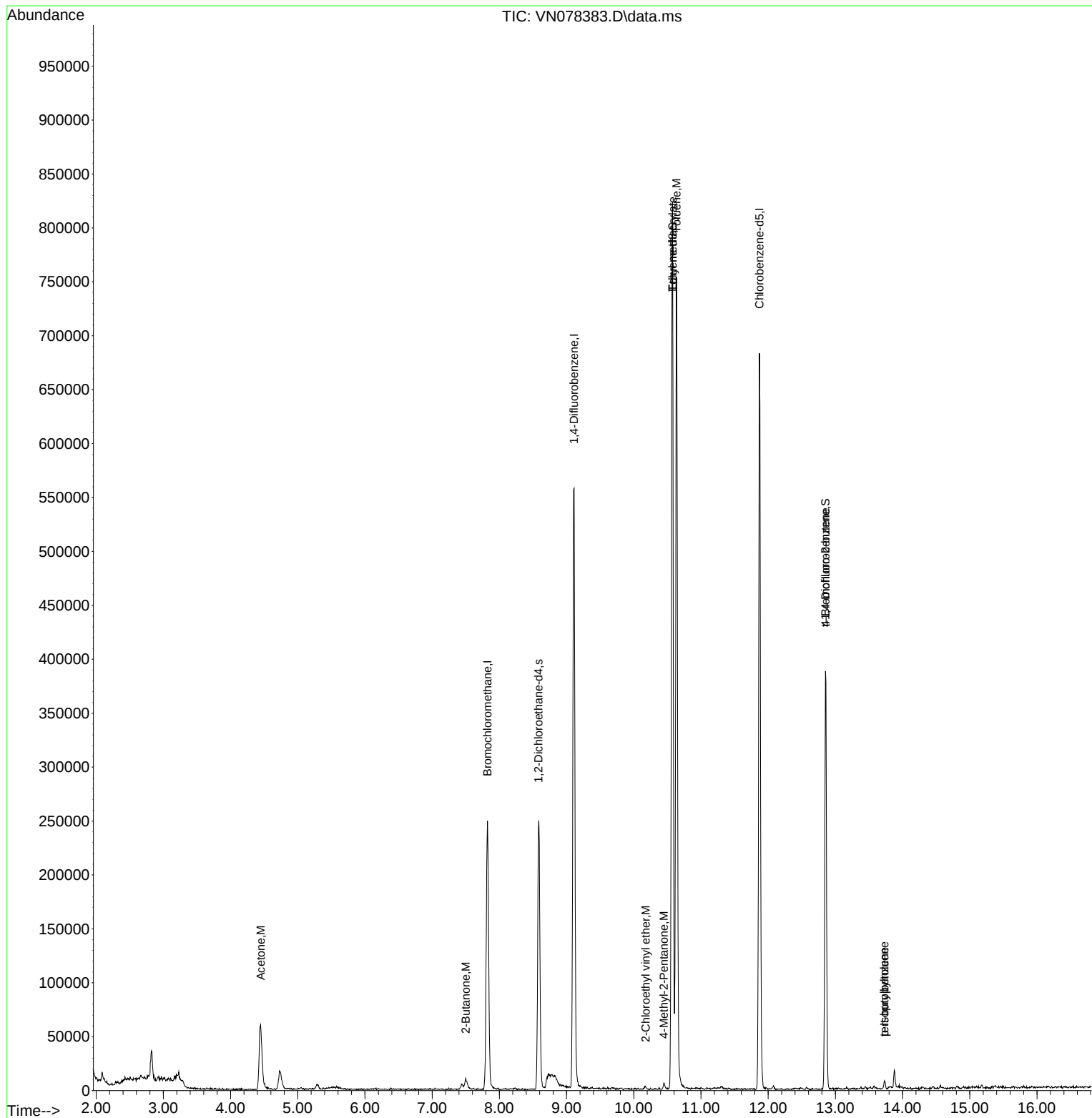
Internal Standards						
1) Bromochloromethane	7.824	128	92668	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	505038	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	413130	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	205892	29.505	ug/l	0.00
Spiked Amount	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
51) Ethyl methacrylate	10.576	69	2371	0.306	ug/l #	60
55) 2-Chloroethyl vinyl ether	10.176	63	1421	0.498	ug/l #	82
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
77) t-1,4-Dichloro-2-butene	12.853	75	75099	38.887	ug/l #	15
79) tert-butylbenzene	13.729	119	4464	0.297	ug/l	64
82) p-Isopropyltoluene	13.729	119	4464	0.296	ug/l	94

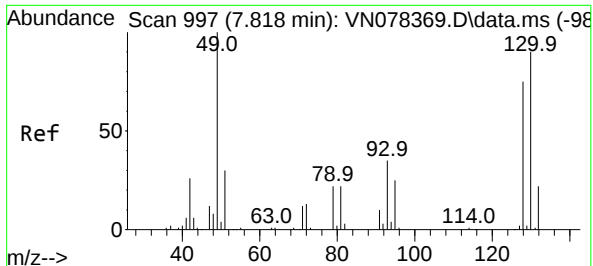
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

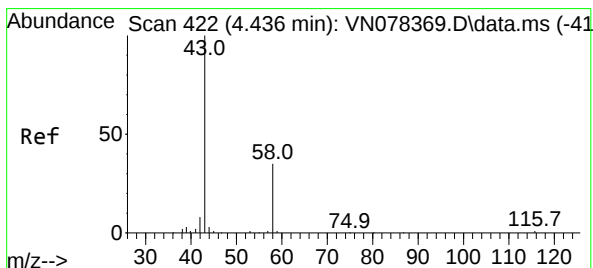
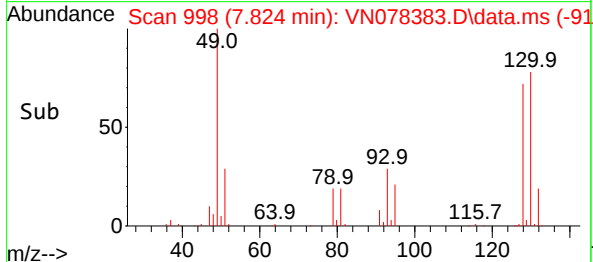
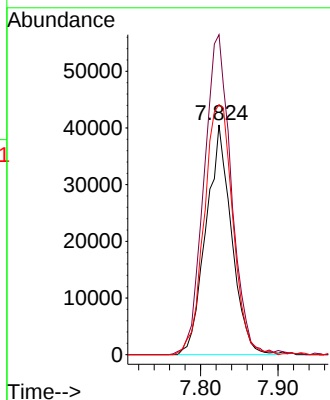
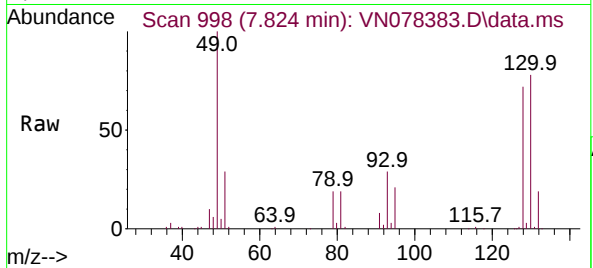




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078383.D
Acq: 23 Jun 2023 17:15

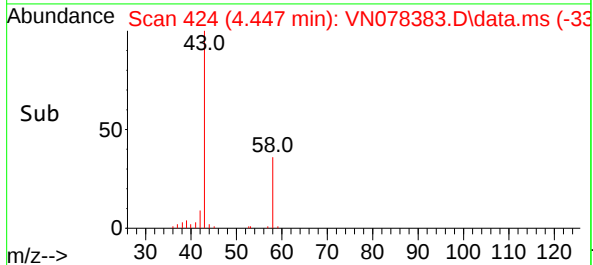
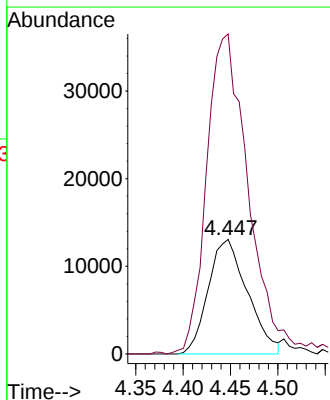
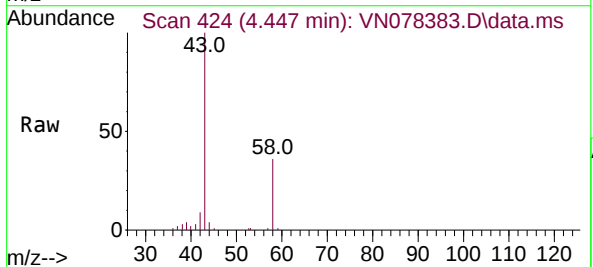
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

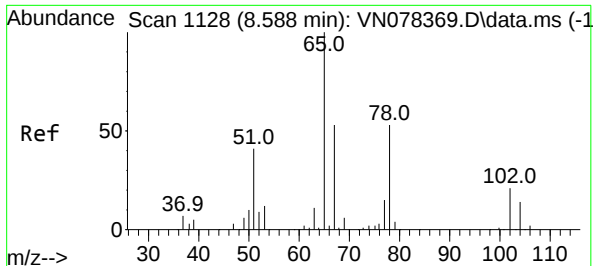
Tgt Ion:128 Resp: 92668
Ion Ratio Lower Upper
128 100
49 148.0 0.0 370.8
130 122.9 0.0 307.0



#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 :

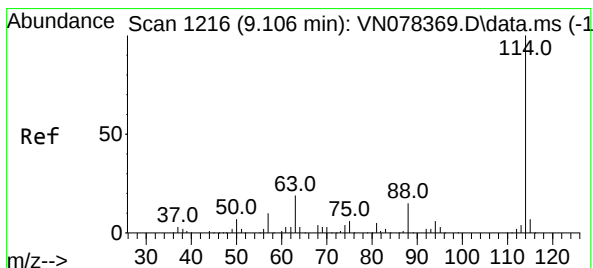
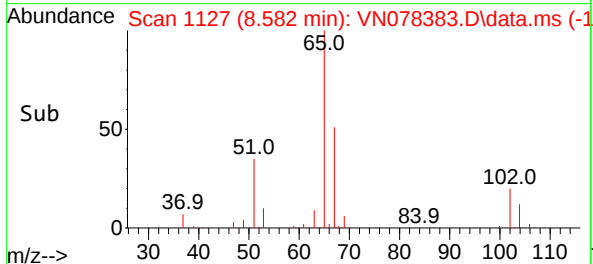
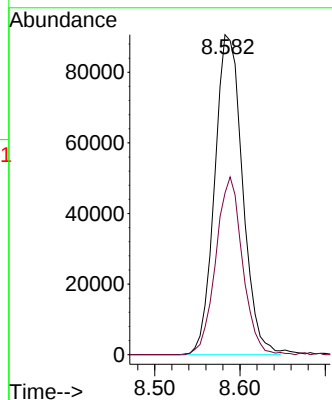
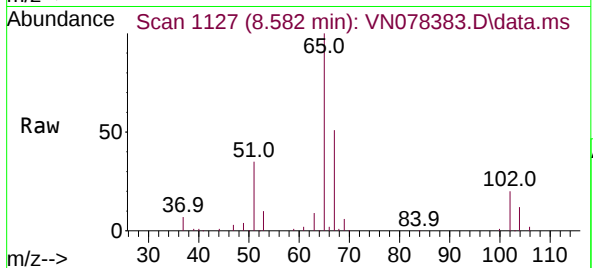
001-WILLETS-PT-BLVD(JUNE)DL

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

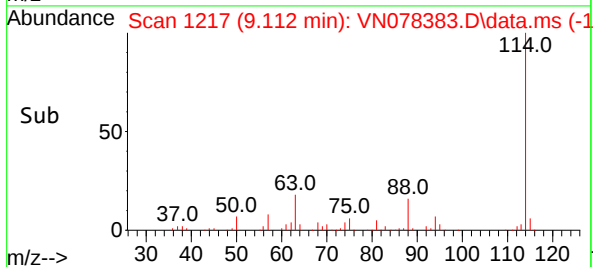
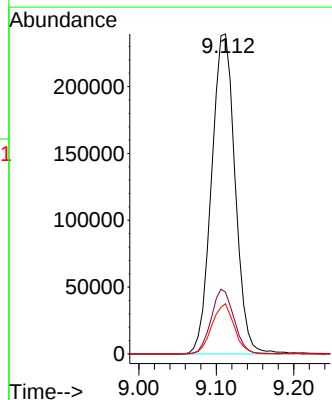
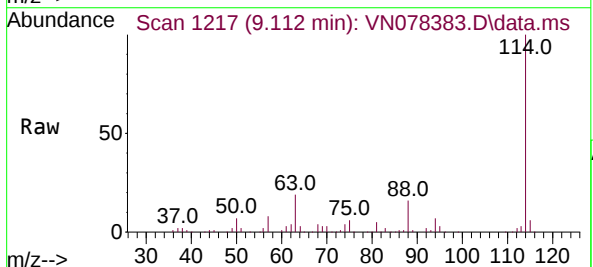
Tgt Ion: 114 Resp: 505038

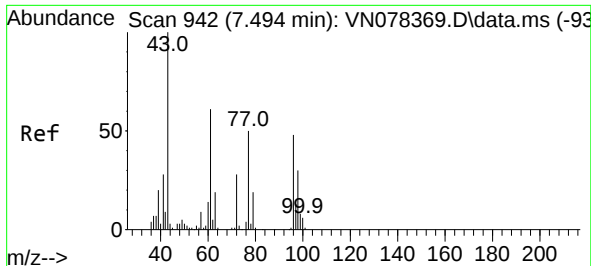
Ion Ratio Lower Upper

114 100

63 19.6 15.2 22.8

88 15.0 12.5 18.7

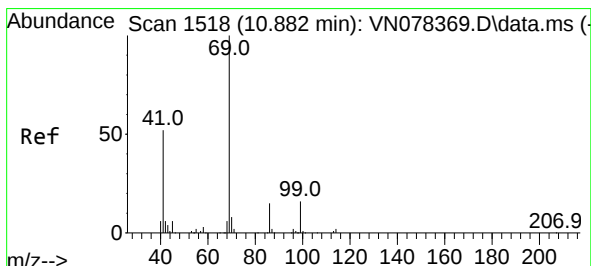
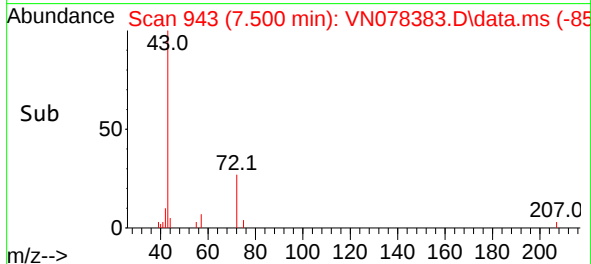
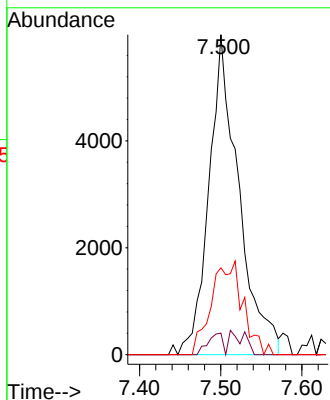
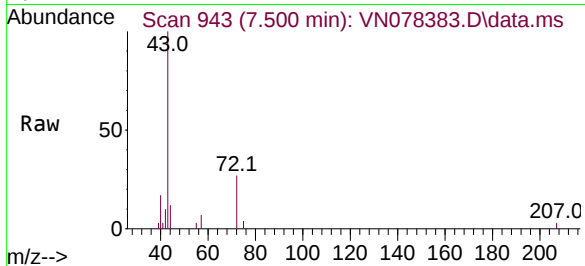




#30
2-Butanone
Concen: 5.551 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN078383.D
Acq: 23 Jun 2023 17:15

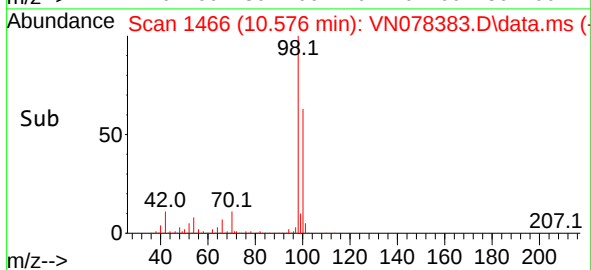
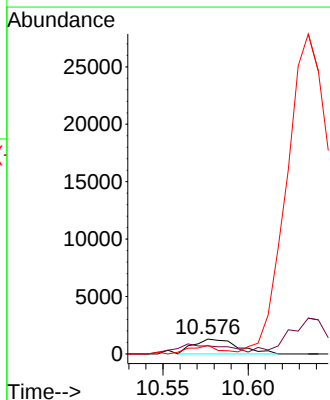
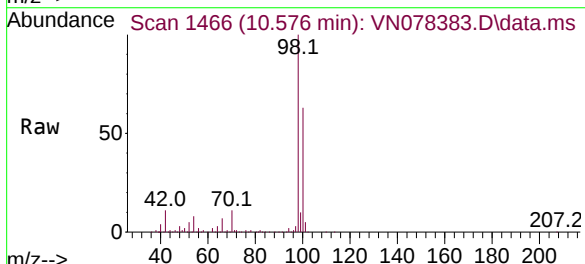
Instrument :
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ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

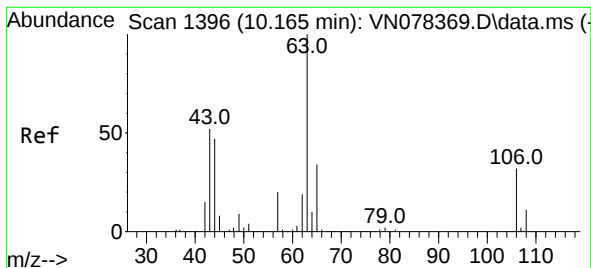
Tgt Ion: 43 Resp: 15232
Ion Ratio Lower Upper
43 100
57 3.3 6.8 10.2#
72 16.2 23.8 35.6#



#51
Ethyl methacrylate
Concen: 0.306 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.306 min
Lab File: VN078383.D
Acq: 23 Jun 2023 17:15

Tgt Ion: 69 Resp: 2371
Ion Ratio Lower Upper
69 100
41 17.3 26.0 78.0#
39 46.5 16.3 48.9

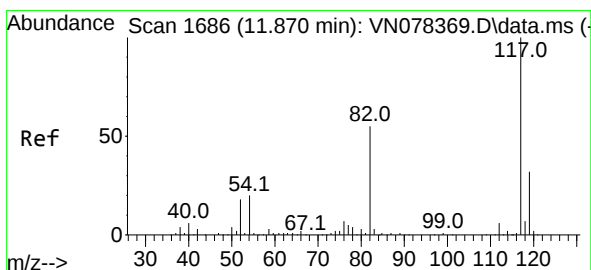
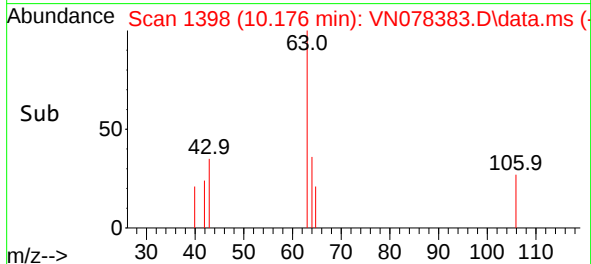
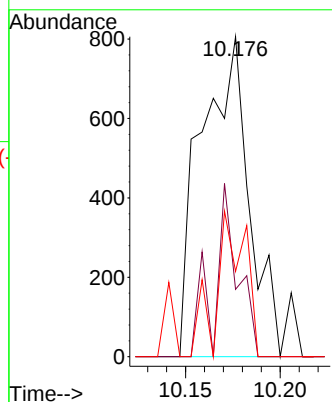
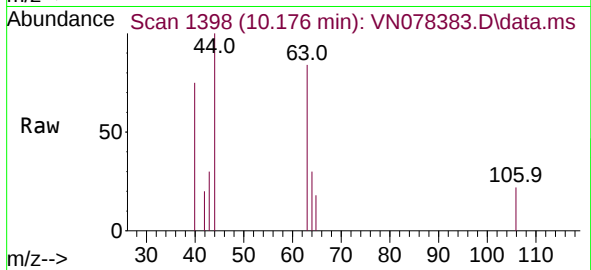




#55
2-Chloroethyl vinyl ether
Concen: 0.498 ug/l
RT: 10.176 min Scan# 1396
Delta R.T. 0.012 min
Lab File: VN078383.D
Acq: 23 Jun 2023 17:15

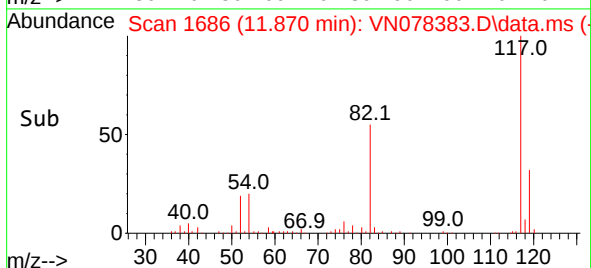
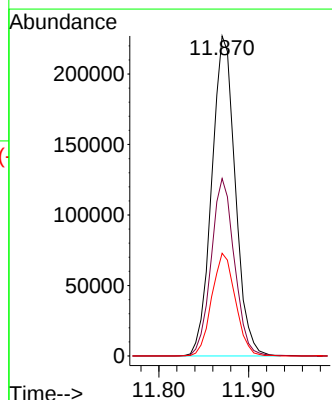
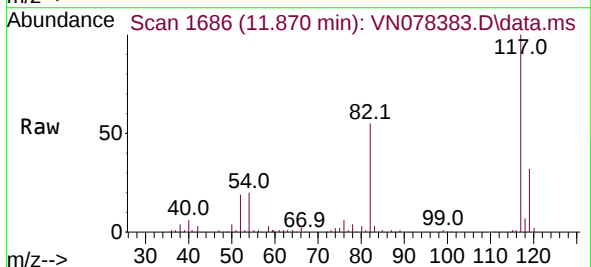
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

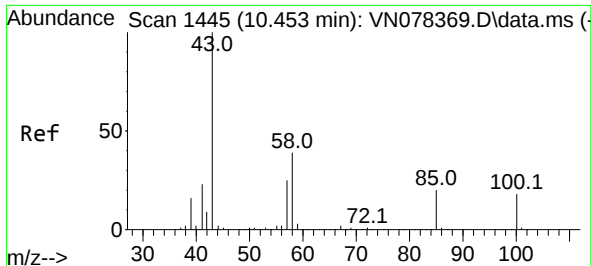
Tgt Ion: 63 Resp: 1421
Ion Ratio Lower Upper
63 100
65 20.1 26.3 39.5#
106 22.7 23.8 35.6#



#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

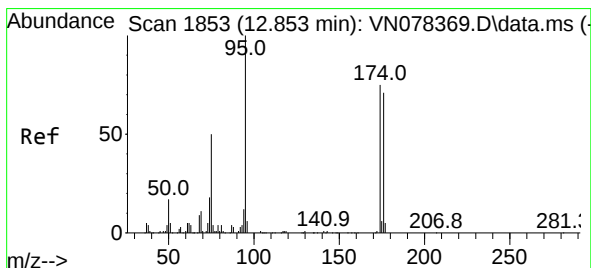
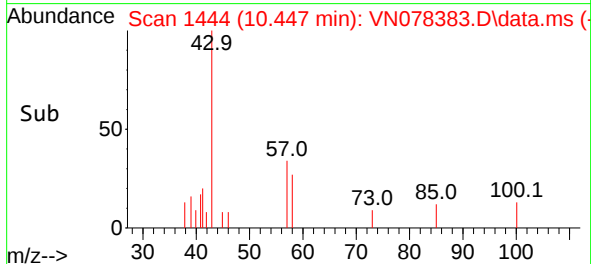
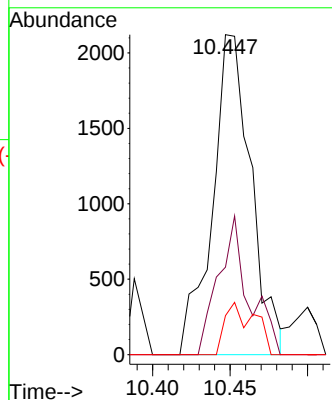
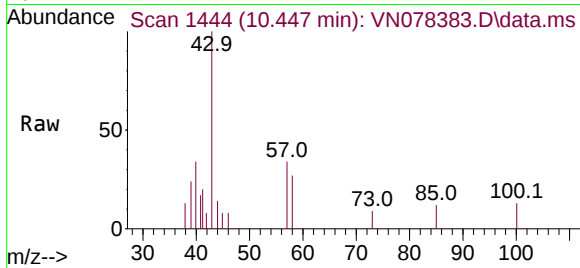




#58
4-Methyl-2-Pentanone
Concen: 0.668 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078383.D
Acq: 23 Jun 2023 17:15

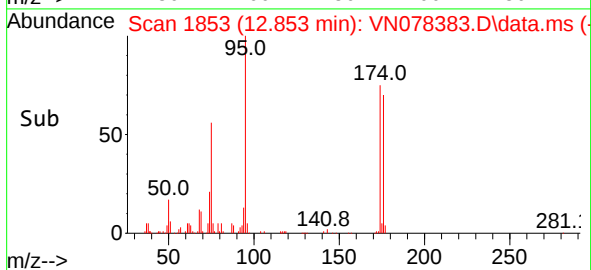
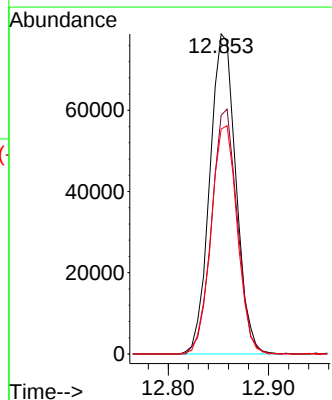
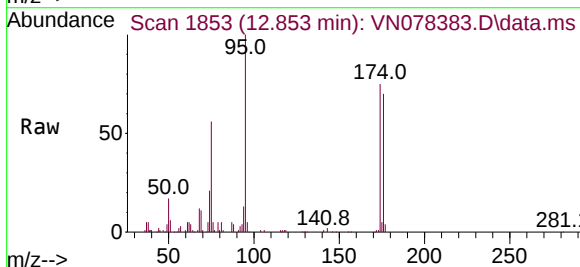
Instrument :
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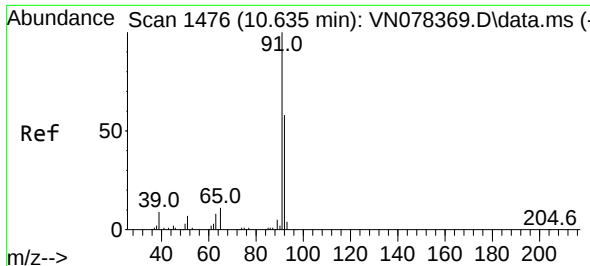
Tgt Ion: 43 Resp: 3684
Ion Ratio Lower Upper
43 100
58 28.2 32.6 48.8#
85 7.5 16.2 24.2#



#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

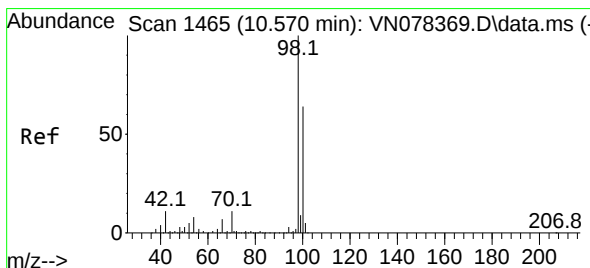
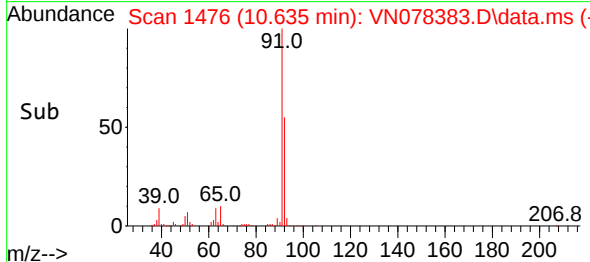
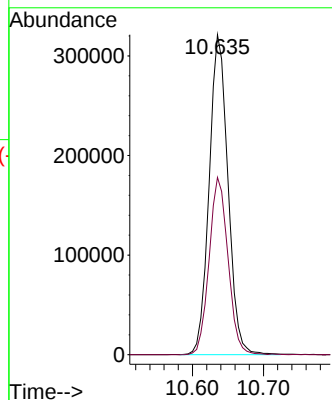
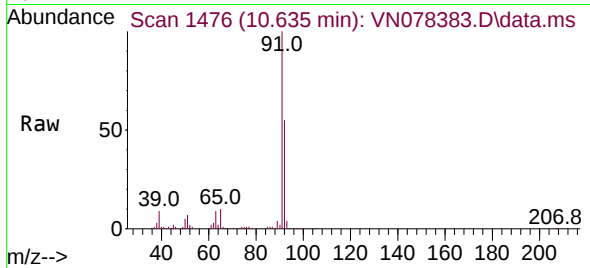




#62
Toluene
Concen: 24.541 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078383.D
Acq: 23 Jun 2023 17:15

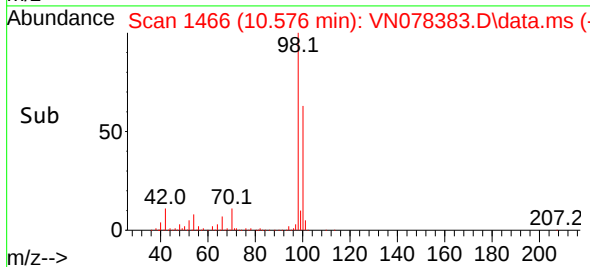
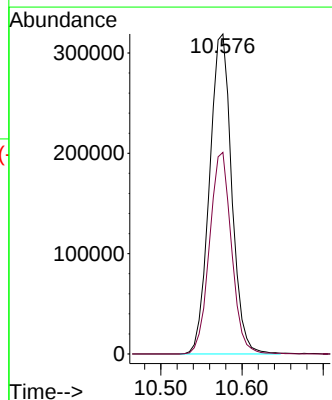
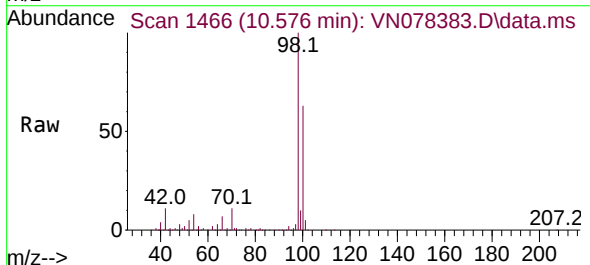
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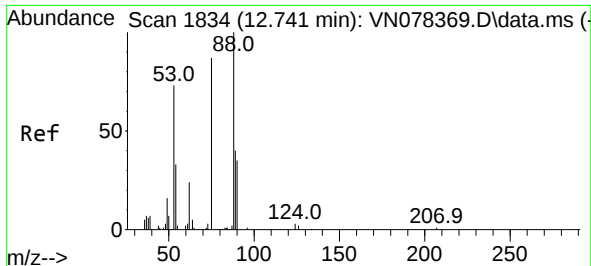
Tgt Ion: 91 Resp: 590062
Ion Ratio Lower Upper
91 100
92 55.6 45.2 67.8



#63
Toluene-d8
Concen: 30.261 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078383.D
Acq: 23 Jun 2023 17:15

Tgt Ion: 98 Resp: 605740
Ion Ratio Lower Upper
98 100
100 62.3 49.7 74.5

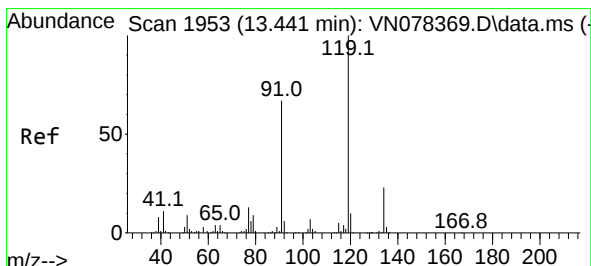
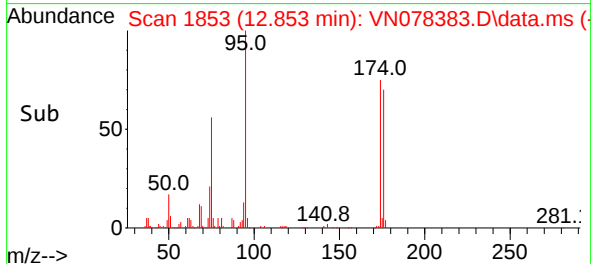
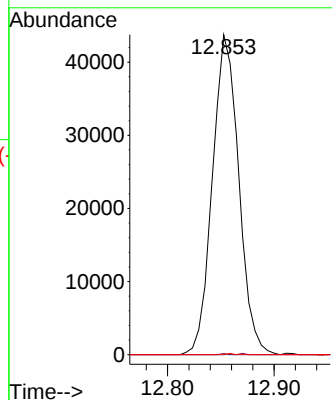
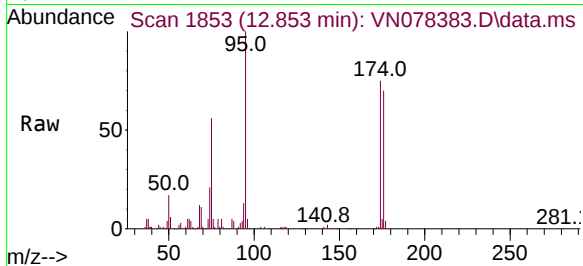




#77
t-1,4-Dichloro-2-butene
Concen: 38.887 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN078383.D
Acq: 23 Jun 2023 17:15

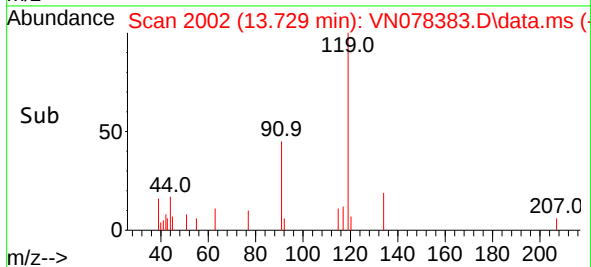
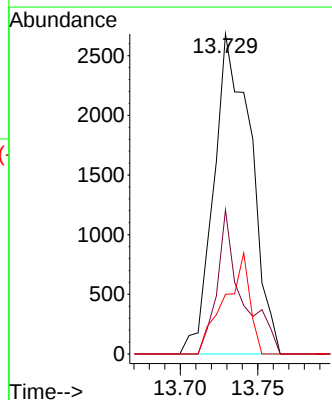
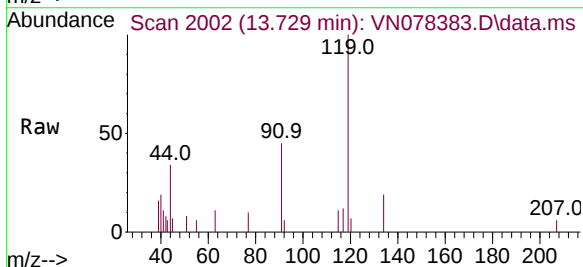
Instrument :
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001-WILLETS-PT-BLVD(JUNE)DL

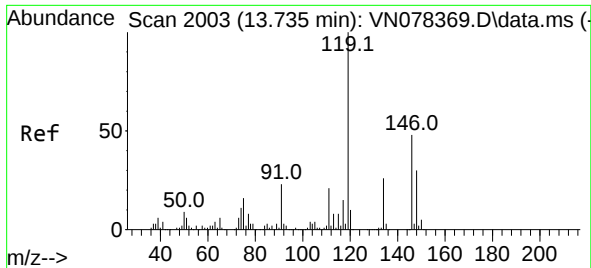
Tgt Ion: 75 Resp: 75099
Ion Ratio Lower Upper
75 100
53 0.4 41.6 124.9#
89 0.0 25.1 75.4#



#79
tert-butylbenzene
Concen: 0.297 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.288 min
Lab File: VN078383.D
Acq: 23 Jun 2023 17:15

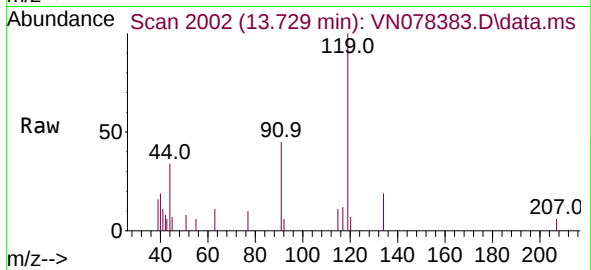
Tgt Ion: 119 Resp: 4464
Ion Ratio Lower Upper
119 100
91 25.5 0.0 126.6
134 21.4 0.0 44.0





#82
 p-Isopropyltoluene
 Concen: 0.296 ug/l
 RT: 13.729 min Scan# 20
 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:	119	Resp:	4464
Ion	Ratio	Lower	Upper
119	100		
134	21.4	0.0	52.4
91	25.5	0.0	48.2

