

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090821\
 Data File : VN068432.D
 Acq On : 8 Sep 2021 11:34
 Operator : JC/MD
 Sample : M3664-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 9/10/2021 10:50:54 AM

Quant Time: Sep 09 03:31:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 03 13:24:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.665	128	82026	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	425956	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.747	117	367128	30.000	ug/l	# 0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	160073	32.917	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 109.733%			
60) 4-Bromofluorobenzene	12.733	95	137979	26.539	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 88.467%			
63) Toluene-d8	10.443	98	499750	30.567	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.900%			
Target Compounds						
					Qvalue	
15) Acetone	4.299	58	16637	33.897	ug/l	# 65
58) 4-Methyl-2-Pentanone	10.336	43	5585	1.307	ug/l	92
59) 2-Hexanone	11.092	43	7223m	2.436	ug/l	
82) p-Isopropyltoluene	13.619	119	5238	0.270	ug/l	95
83) 1,3-Dichlorobenzene	13.619	146	4332	0.400	ug/l	90
84) 1,4-Dichlorobenzene	13.699	146	5093m	0.487	ug/l	
85) n-Butylbenzene	13.946	91	8801	0.609	ug/l	95
87) 1,2-Dichlorobenzene	13.989	146	4499m	0.437	ug/l	
89) 1,2,4-Trichlorobenzene	15.263	180	6949	1.256	ug/l	96
91) Naphthalene	15.509	128	20378	1.742	ug/l	98
92) 1,2,3-Trichlorobenzene	15.700	180	8754	1.663	ug/l	94

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

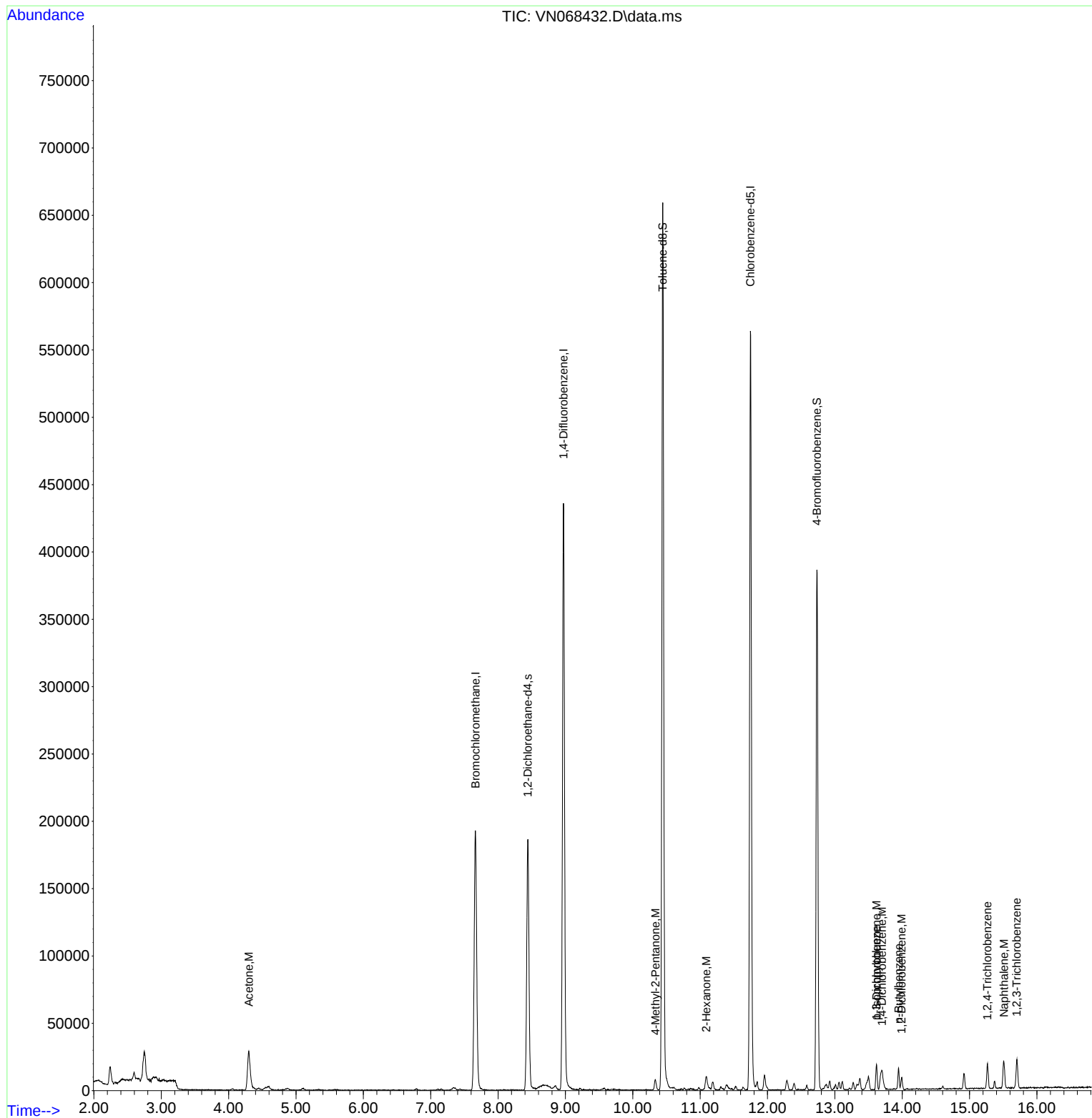
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090821\
Data File : VN068432.D
Acq On : 8 Sep 2021 11:34
Operator : JC/MD
Sample : M3664-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

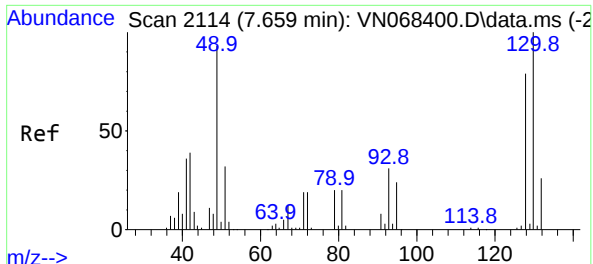
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)

Manual Integrations
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Quant Time: Sep 09 03:31:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 03 13:24:01 2021
Response via : Initial Calibration





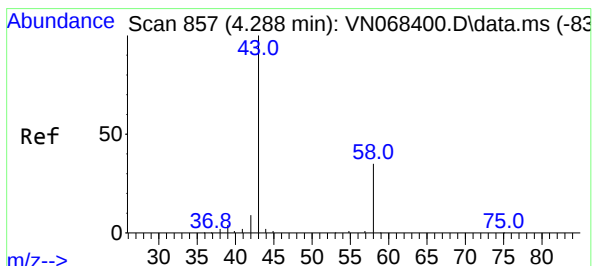
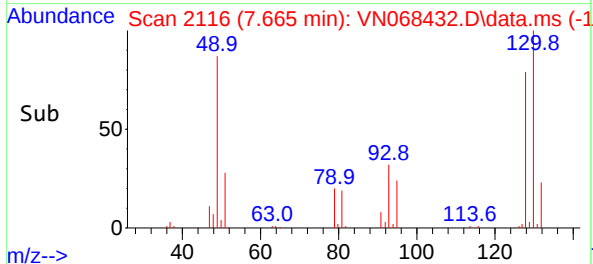
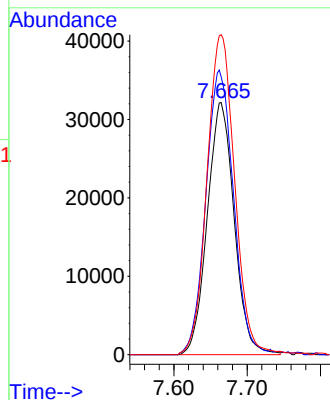
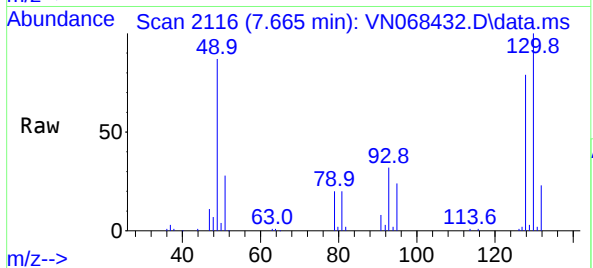
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.665 min Scan# 2116
Delta R.T. 0.006 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 128 Resp: 82026
Ion Ratio Lower Upper
128 100
49 116.2 0.0 517.5
130 130.4 0.0 325.8

Instrument :
MSVOA_N
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001-WILLETS-PT-BLVD(SEP)

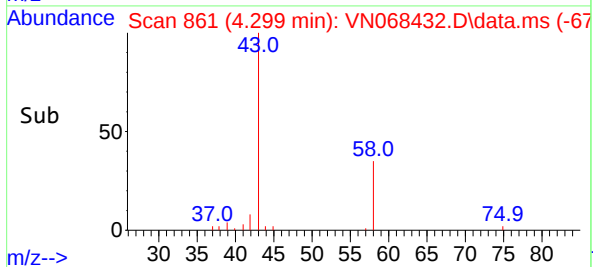
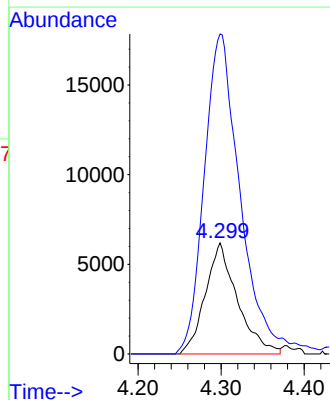
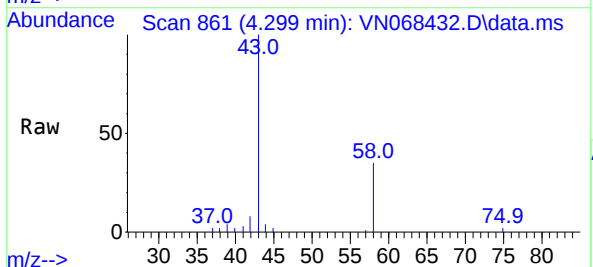
Manual Integrations
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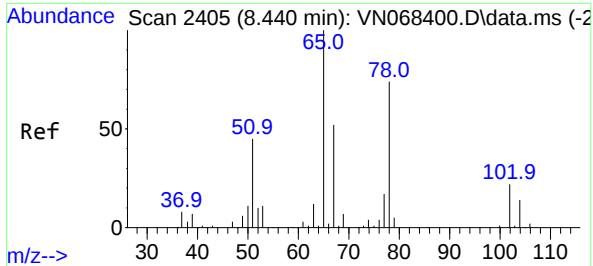
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#15
Acetone
Concen: 33.897 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 58 Resp: 16637
Ion Ratio Lower Upper
58 100
43 283.3 289.6 434.4#





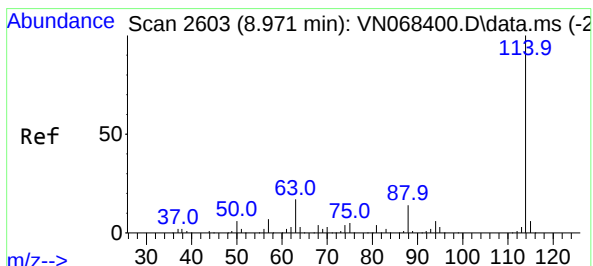
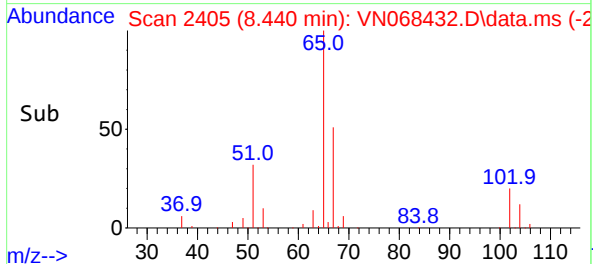
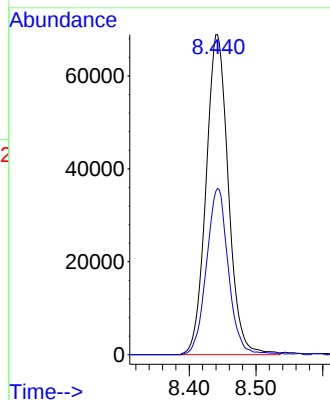
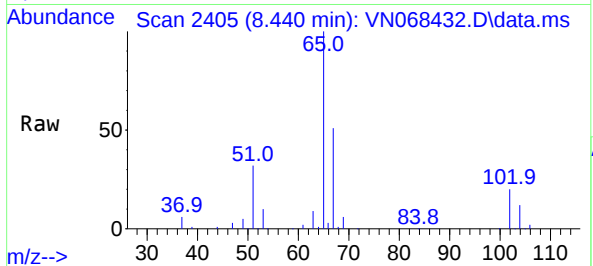
#27
1,2-Dichloroethane-d4
Concen: 32.917 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 65 Resp: 160073
Ion Ratio Lower Upper
65 100
67 50.5 39.8 59.8

Instrument :
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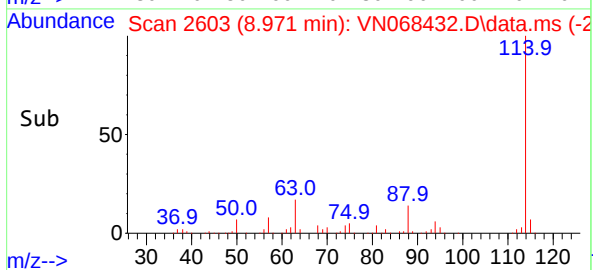
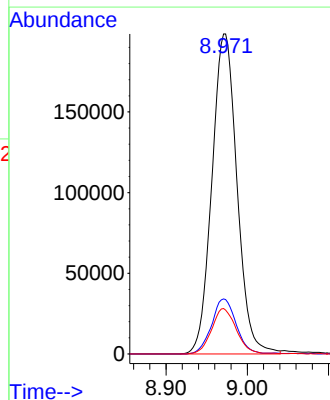
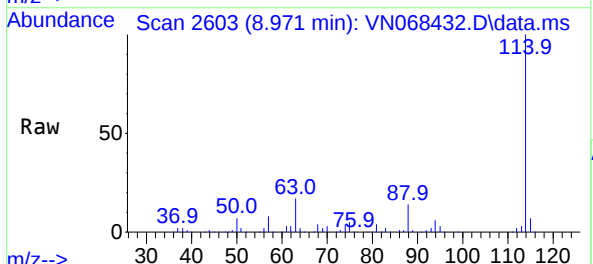
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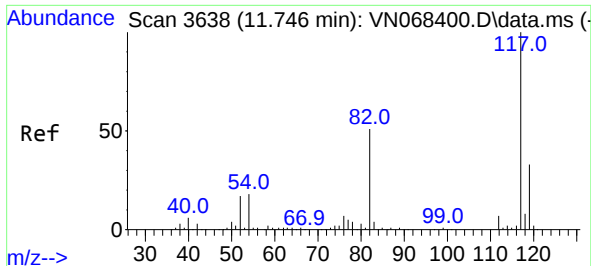
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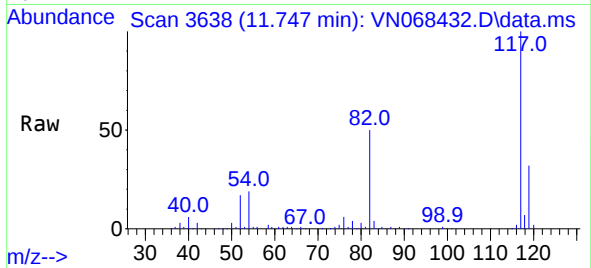
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 114 Resp: 425956
Ion Ratio Lower Upper
114 100
63 16.9 20.3 30.5#
88 14.0 14.6 22.0#

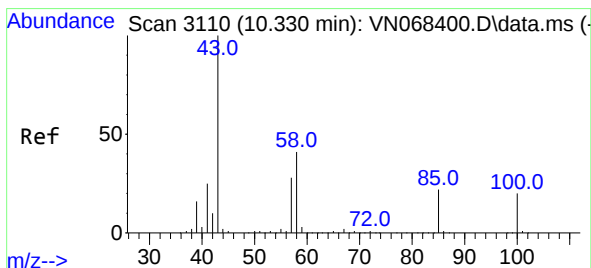
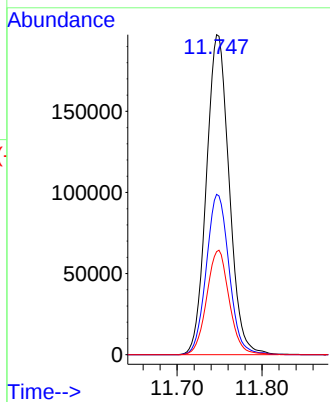
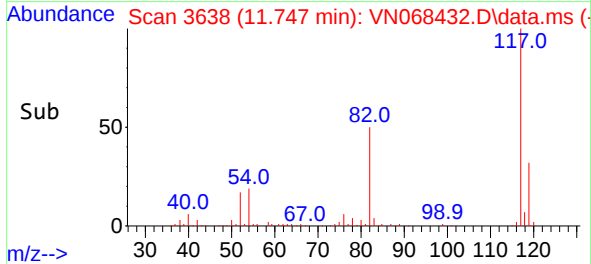




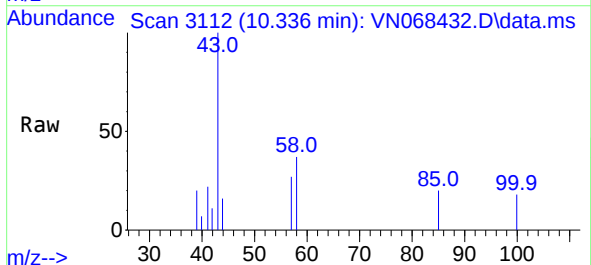
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34



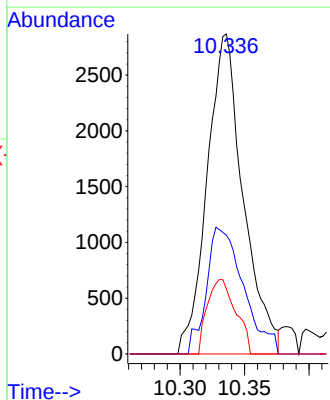
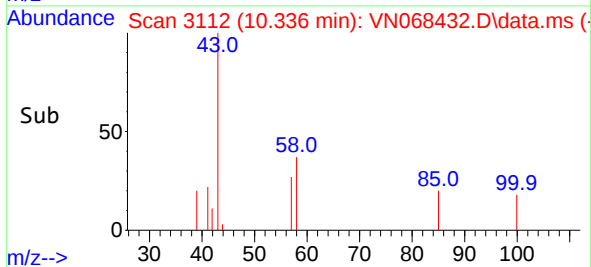
Tgt Ion: 117 Resp: 367128
Ion Ratio Lower Upper
117 100
82 50.3 52.5 78.7#
119 32.4 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 1.307 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.006 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34



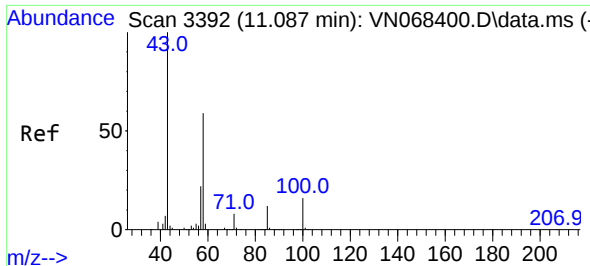
Tgt Ion: 43 Resp: 5585
Ion Ratio Lower Upper
43 100
58 30.7 29.0 43.4
85 18.3 13.2 19.8



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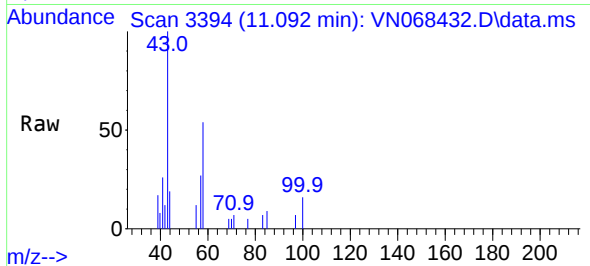
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#59
2-Hexanone
Concen: 2.436 ug/l m
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

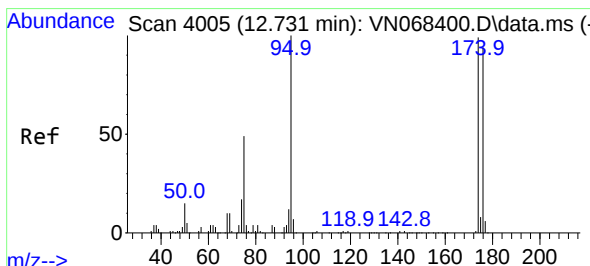
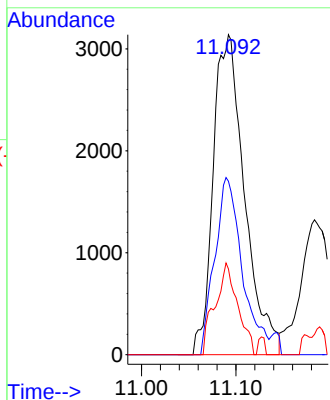
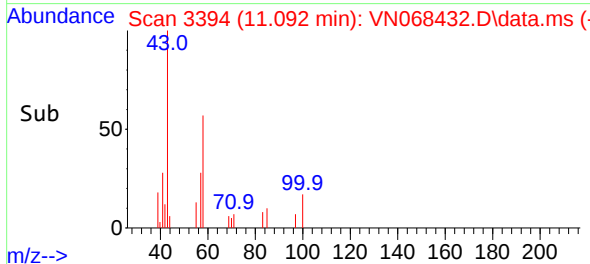
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)



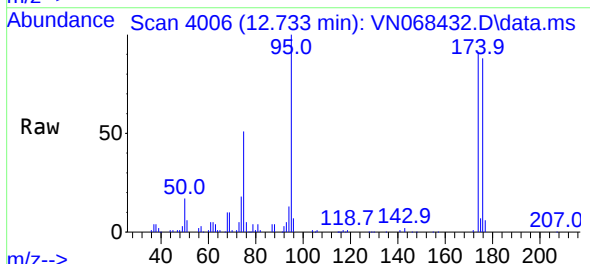
Tgt Ion: 43 Resp: 7223
Ion Ratio Lower Upper
43 100
58 46.7 39.4 59.0
57 20.8 14.4 21.6

Manual Integrations
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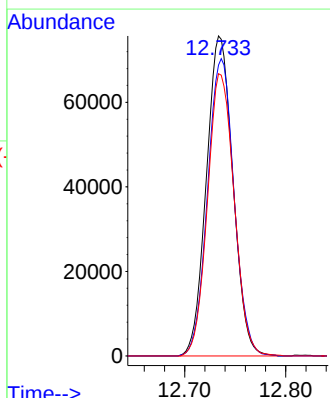
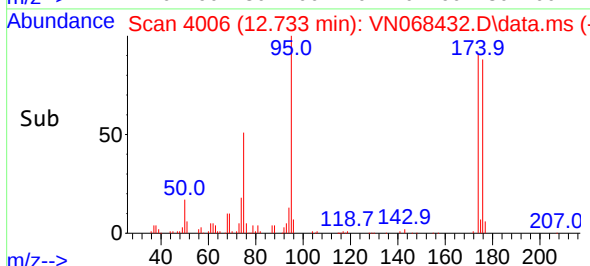
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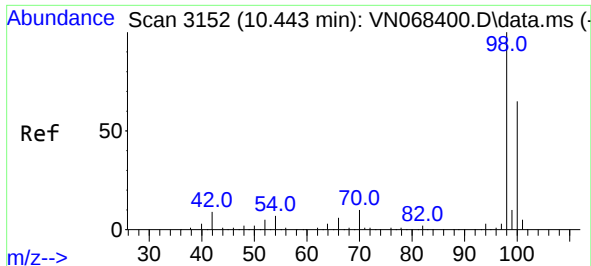


#60
4-Bromofluorobenzene
Concen: 26.539 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

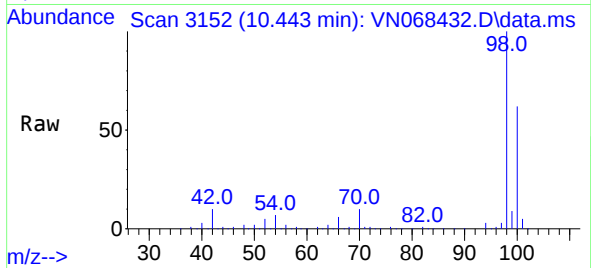


Tgt Ion: 95 Resp: 137979
Ion Ratio Lower Upper
95 100
174 92.7 47.7 71.5#
176 88.7 45.7 68.5#

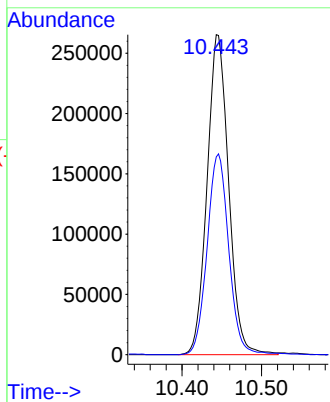
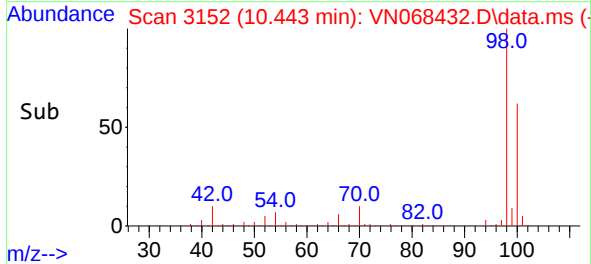




#63
Toluene-d8
Concen: 30.567 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34



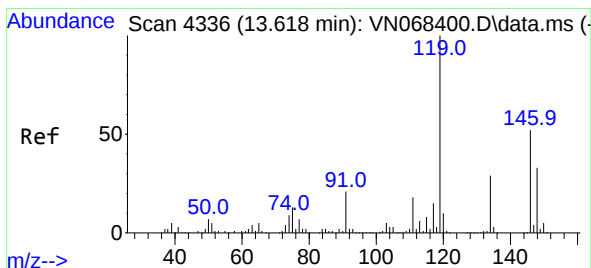
Tgt Ion: 98 Resp: 499750
Ion Ratio Lower Upper
98 100
100 62.5 51.2 76.8



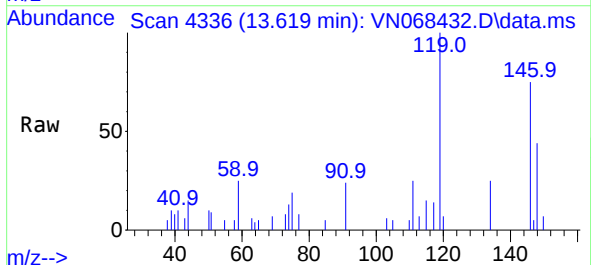
Instrument :
MSVOA_N
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001-WILLETS-PT-BLVD(SEP)

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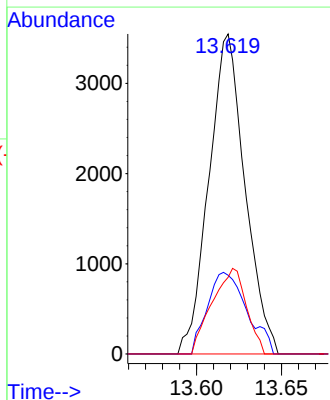
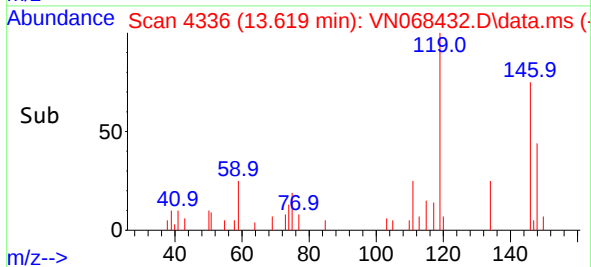
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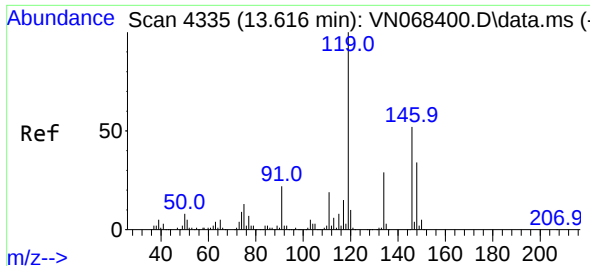


#82
p-Isopropyltoluene
Concen: 0.270 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34



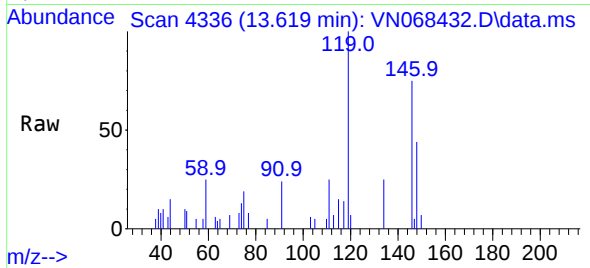
Tgt Ion: 119 Resp: 5238
Ion Ratio Lower Upper
119 100
134 25.6 0.0 49.0
91 25.4 0.0 59.6





#83
1,3-Dichlorobenzene
Concen: 0.400 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.003 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

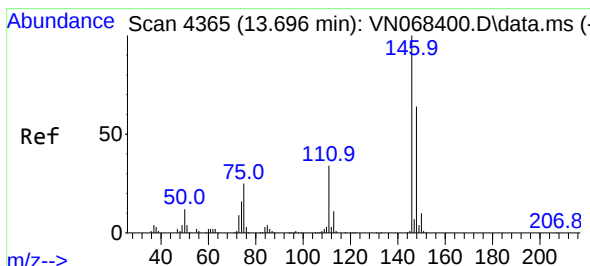
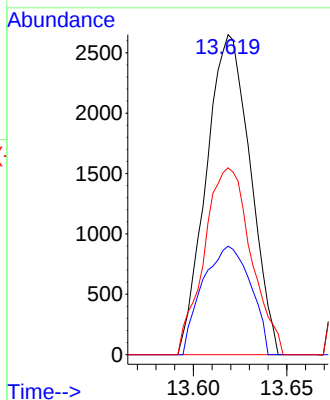
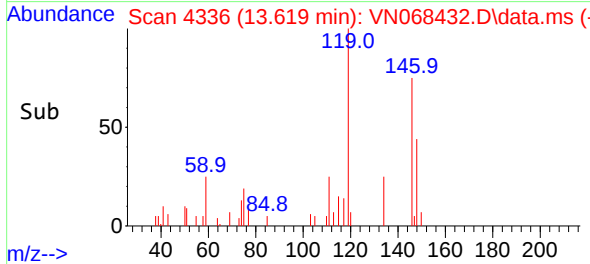
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MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)



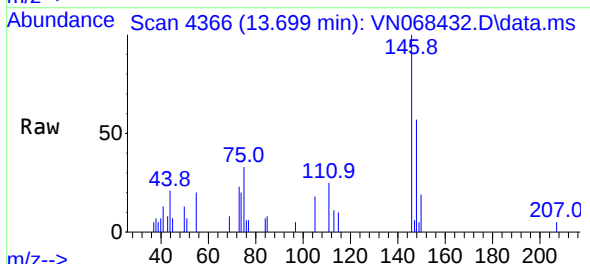
Tgt Ion:146 Resp: 4332
Ion Ratio Lower Upper
146 100
111 37.0 25.0 75.0
148 62.3 32.6 97.7

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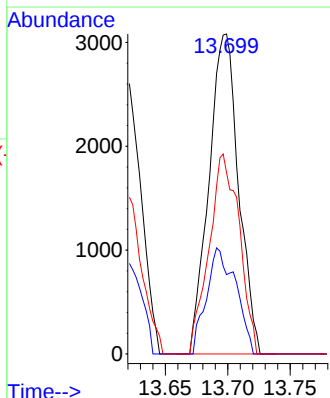
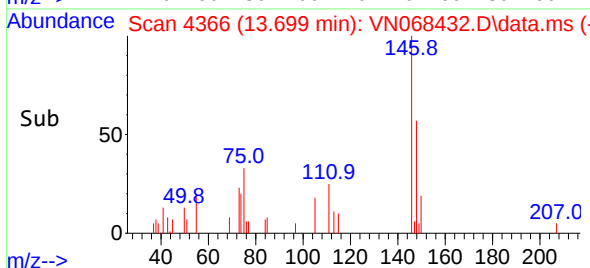
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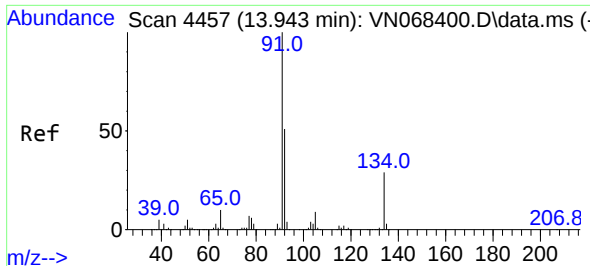


#84
1,4-Dichlorobenzene
Concen: 0.487 ug/l m
RT: 13.699 min Scan# 4366
Delta R.T. 0.003 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34



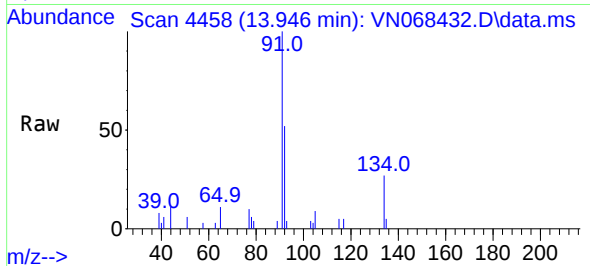
Tgt Ion:146 Resp: 5093
Ion Ratio Lower Upper
146 100
111 31.4 23.6 71.0
148 53.0 31.8 95.3





#85
n-Butylbenzene
Concen: 0.609 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

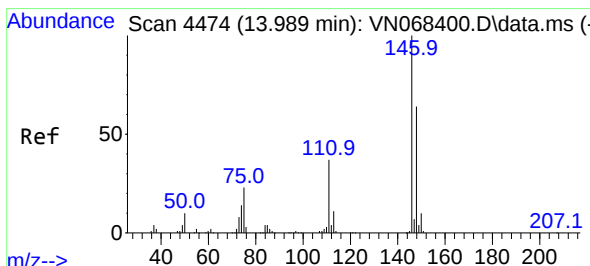
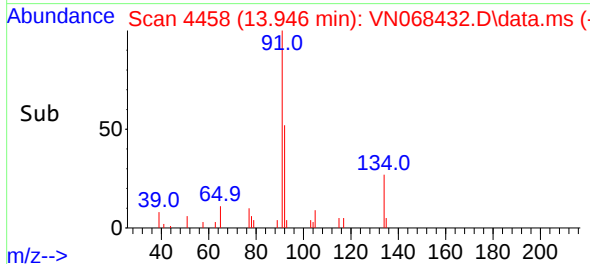
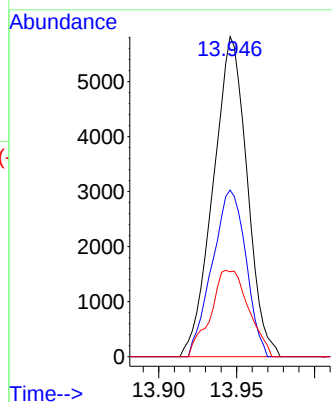
Instrument :
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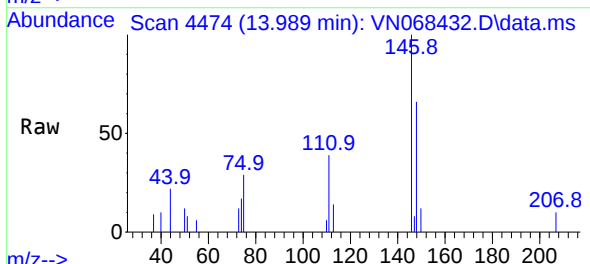
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Ion Ratio Lower Upper
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134 30.1 0.0 43.6

Manual Integrations
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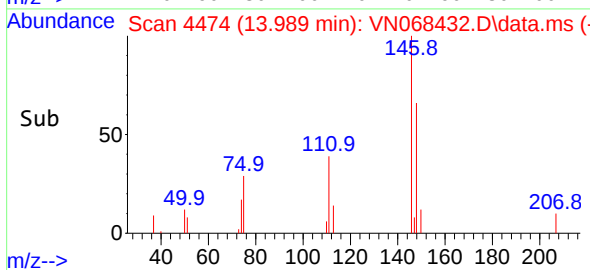
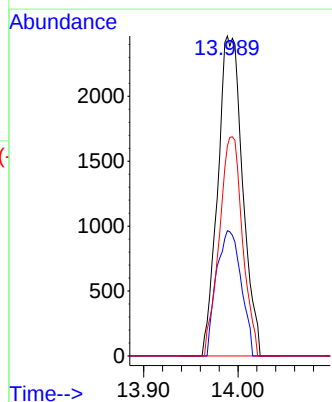
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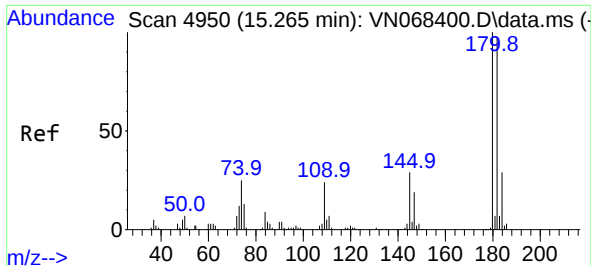


#87
1,2-Dichlorobenzene
Concen: 0.437 ug/l m
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34



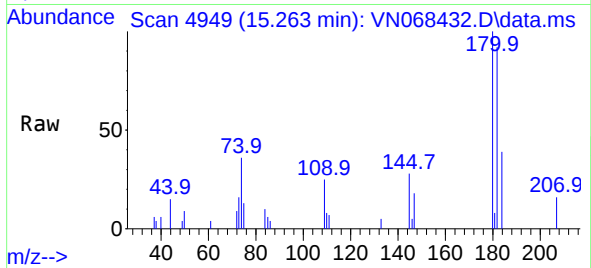
Tgt Ion: 146 Resp: 4499
Ion Ratio Lower Upper
146 100
111 35.6 25.0 75.0
148 59.9 32.0 96.0





#89
1,2,4-Trichlorobenzene
Concen: 1.256 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

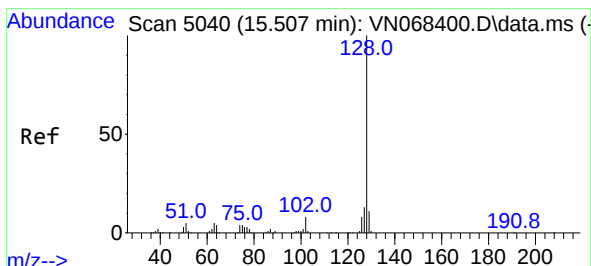
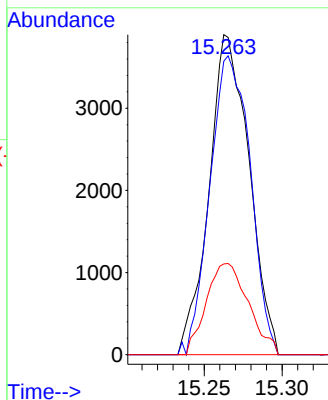
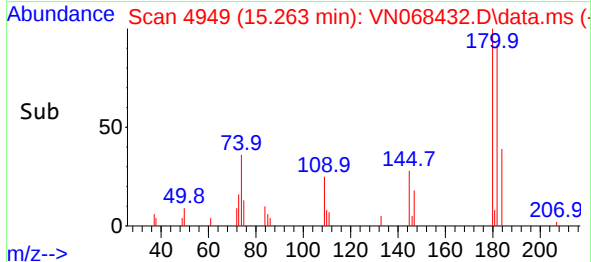
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)



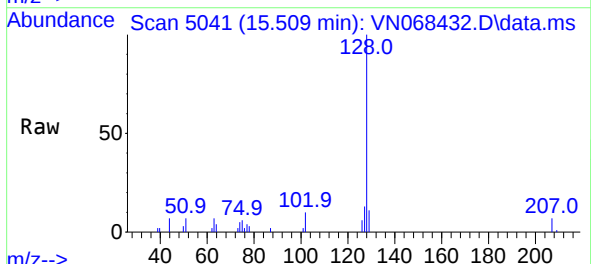
Tgt Ion:180 Resp: 6949
Ion Ratio Lower Upper
180 100
182 93.8 75.9 113.9
145 30.0 28.8 43.2

Manual Integrations
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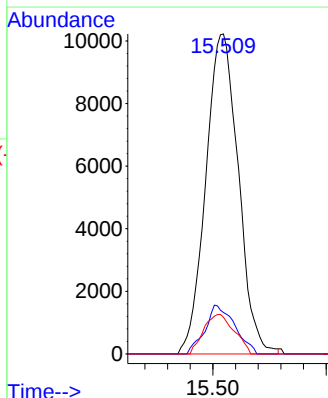
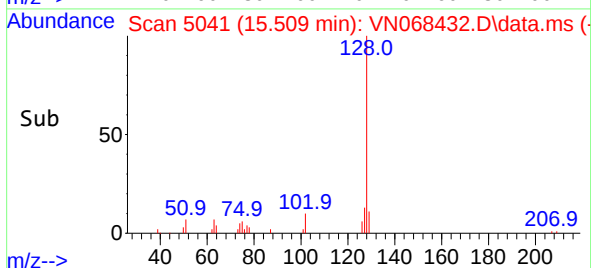
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9/10/2021 10:50:54 AM

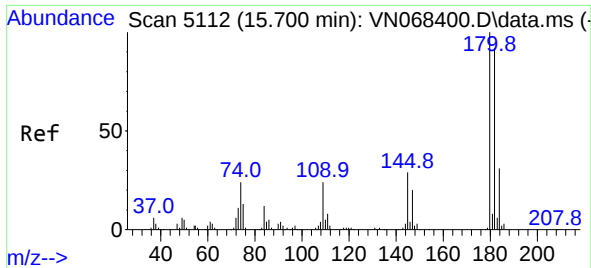


#91
Naphthalene
Concen: 1.742 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34



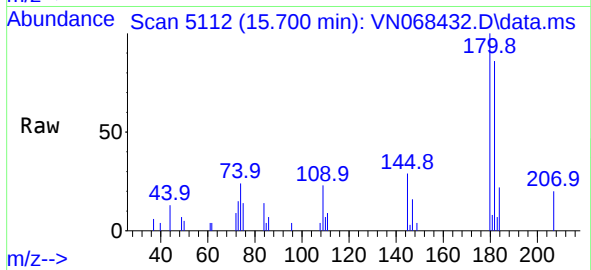
Tgt Ion:128 Resp: 20378
Ion Ratio Lower Upper
128 100
127 13.9 10.1 15.1
129 11.5 8.9 13.3





#92
 1,2,3-Trichlorobenzene
 Concen: 1.663 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. 0.000 min
 Lab File: VN068432.D
 Acq: 8 Sep 2021 11:34

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



Tgt Ion:180 Resp: 8754
 Ion Ratio Lower Upper
 180 100
 182 90.7 0.0 184.6
 145 28.7 0.0 76.0

Manual Integrations
 APPROVED

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