Quantitation Report (Not Reviewed)

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)

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
3) Chloromethane	2.309	50	1826	0.486	ug/l	# 87
5) Bromomethane	2.880	94	1686	0.328	ug/l	87
12) Methyl Acetate	4.873	43	1493	0.363	ug/l	# 73
13) Acrolein	4.063	56	590	1.598	ug/l	96
14) Acrylonitrile	5.575	53	409	0.245	ug/l	# 45
15) Acetone	4.299	58	16637	33.897	ug/l	# 65
30) 2-Butanone	7.345	43	575	0.263	ug/l	# 73
45) 1,4-Dioxane	9.574	88	118	1.671	ug/l	# 17
47) n-amyl Acetate	12.393	43	2957	0.547	ug/l	# 79
51) Ethyl methacrylate	10.448	69	1884	0.307	ug/l	81
55) 2-Chloroethyl vinyl ether	10.443	63	166	46.452	ug/l	# 1
58) 4-Methyl-2-Pentanone	10.336	43	5585	1.307	ug/l	92
59) 2-Hexanone	11.084	43	2679	0.904	ug/l	# 1
67) m/p-Xylenes	11.956	106	2945	0.331	ug/l	74
74) n-propylbenzene	12.924	91	5991	0.250	ug/l	92
77) t-1,4-Dichloro-2-butene	12.733	75	71176	50.486	ug/l	# 6
78) 4-Chlorotoluene	13.109	91	4321	0.310	ug/l	90
81) sec-Butylbenzene	13.503	105	4864	0.216	ug/l	92
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	13.619	146	4332	0.415	ug/l	92
85) n-Butylbenzene	13.946	91	8801	0.609	ug/l	95
87) 1,2-Dichlorobenzene	13.619	146	4332	0.420	ug/l	90
89) 1,2,4-Trichlorobenzene	15.263	180	6949	1.256	ug/l	96
90) Hexachlorobutadiene	15.373	225	1348	0.414	ug/l	88
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

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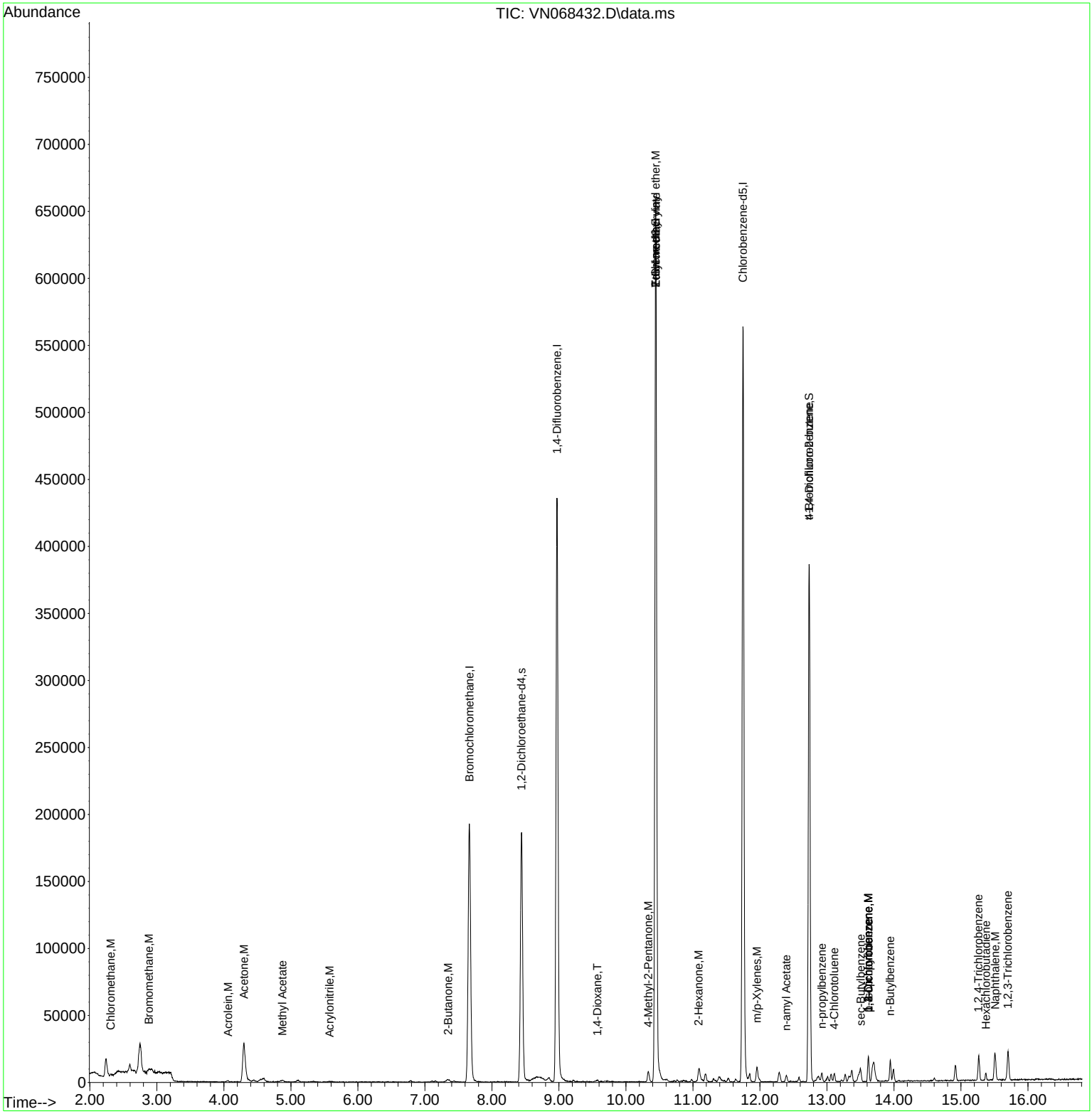
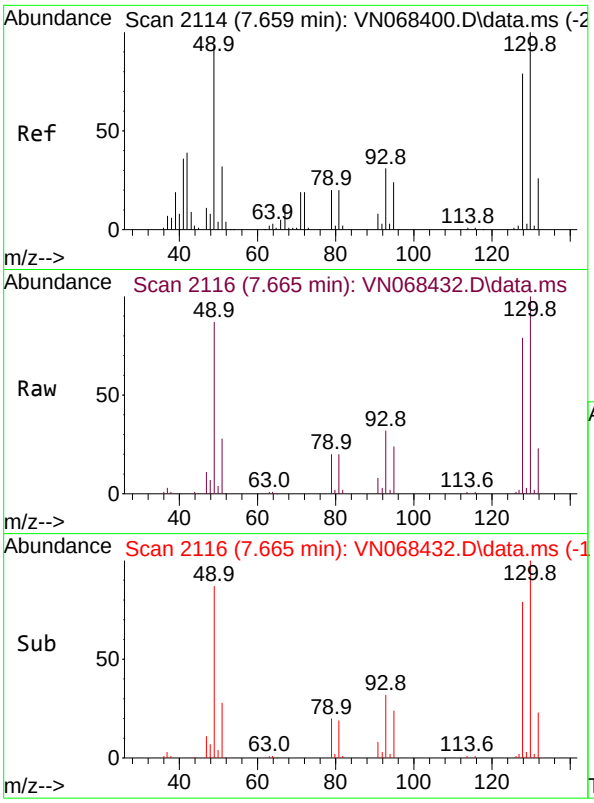
Sample : M3664-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

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

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

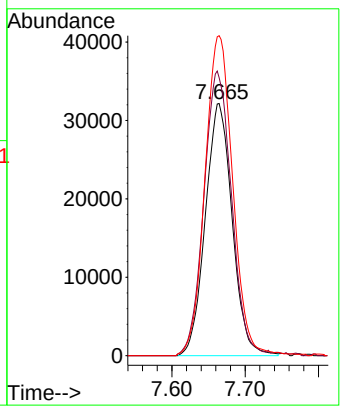




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.665 min Scan# 2116
Delta R.T. 0.006 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

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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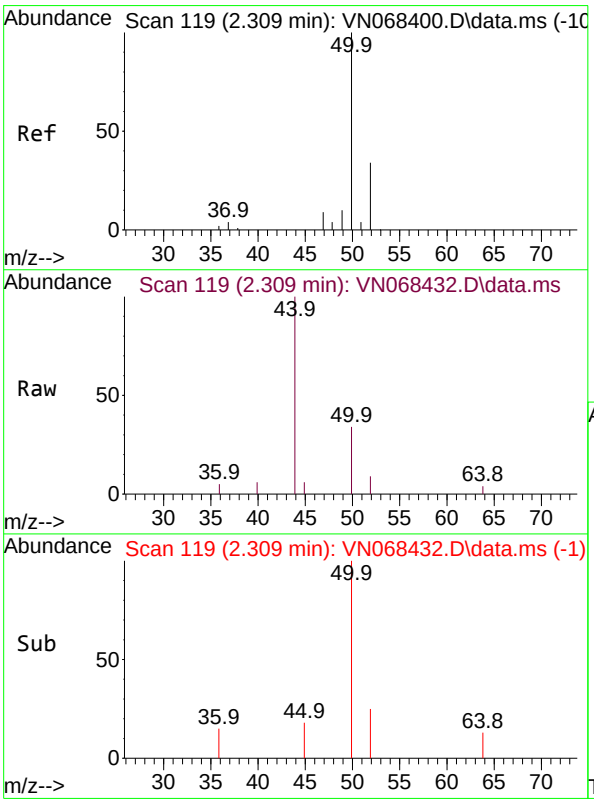
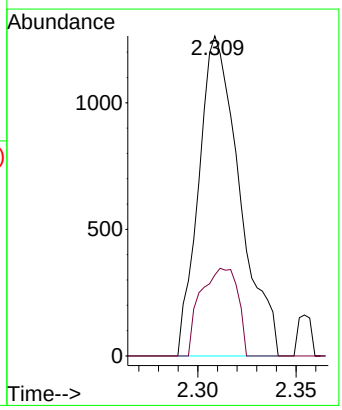
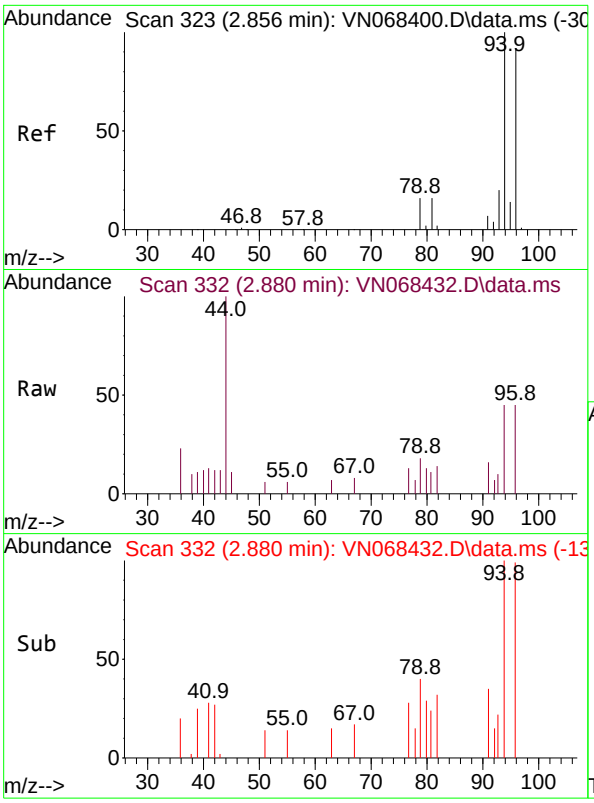


#3
Chloromethane
Concen: 0.486 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.000 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 50 Resp: 1826

Ion	Ratio	Lower	Upper
50	100		
52	25.3	26.0	39.0#

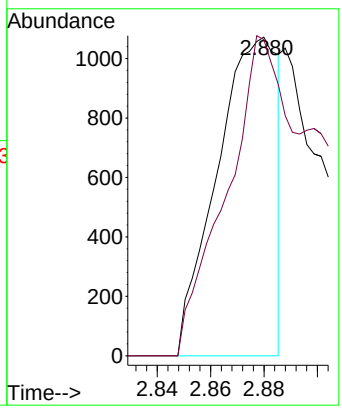




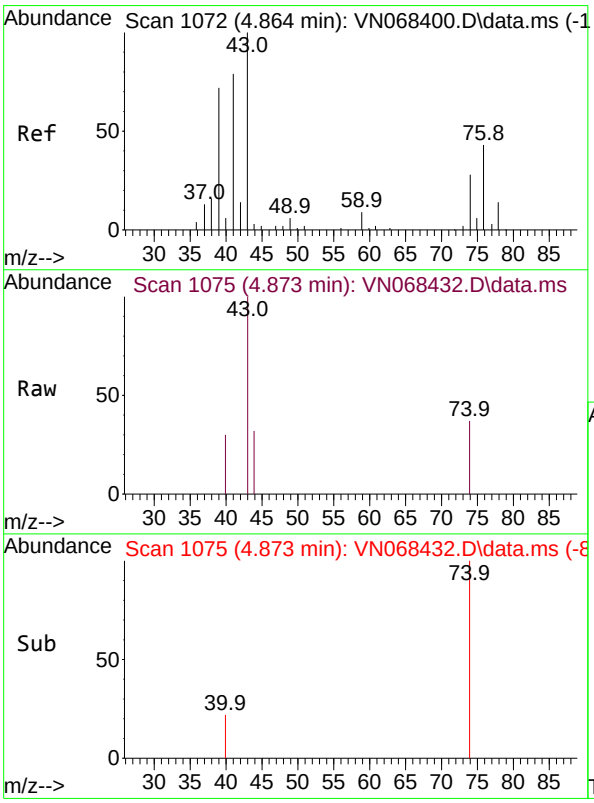
#5
Bromomethane
Concen: 0.328 ug/l
RT: 2.880 min Scan# 332
Delta R.T. 0.024 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 94 Resp: 1686

Ion	Ratio	Lower	Upper
94	100		
96	99.3	69.4	104.2



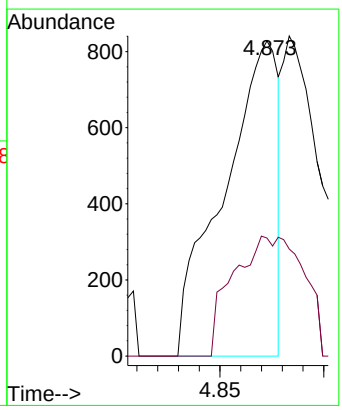
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)

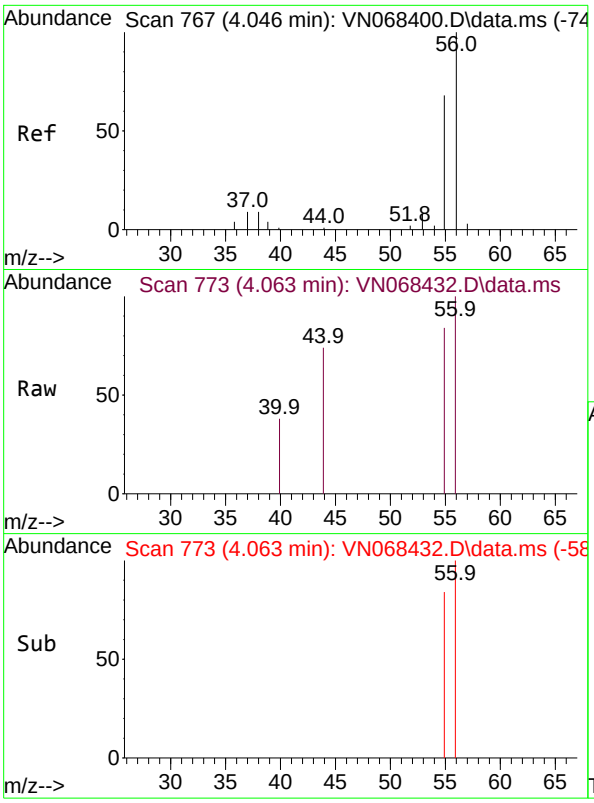


#12
Methyl Acetate
Concen: 0.363 ug/l
RT: 4.873 min Scan# 1075
Delta R.T. 0.008 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 43 Resp: 1493

Ion	Ratio	Lower	Upper
43	100		
74	33.4	16.6	25.0#

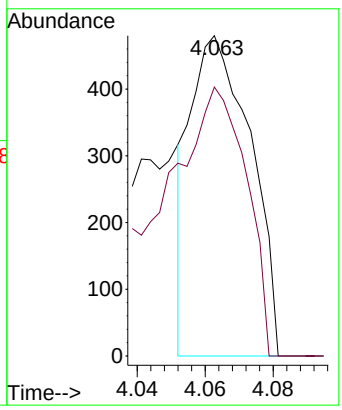




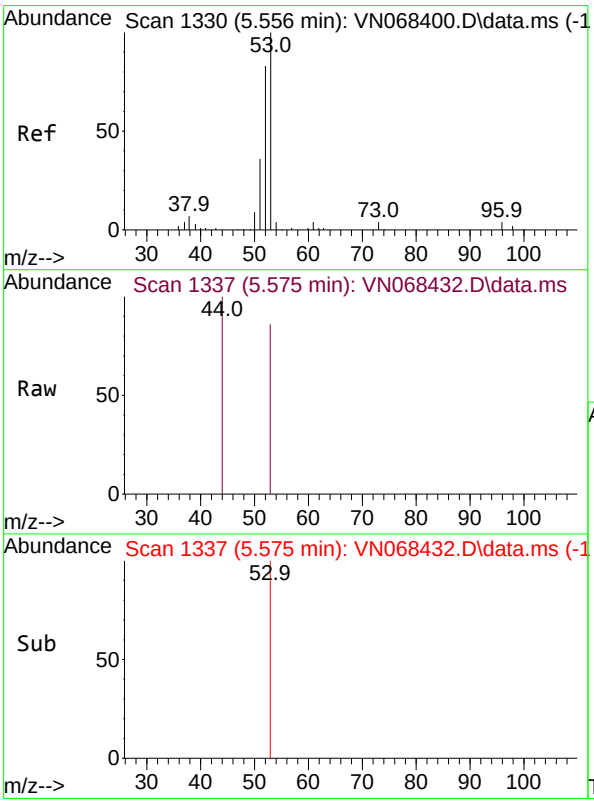
#13
Acrolein
Concen: 1.598 ug/l
RT: 4.063 min Scan# 773
Delta R.T. 0.016 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 56 Resp: 590

Ion	Ratio	Lower	Upper
56	100		
55	69.0	57.5	86.3



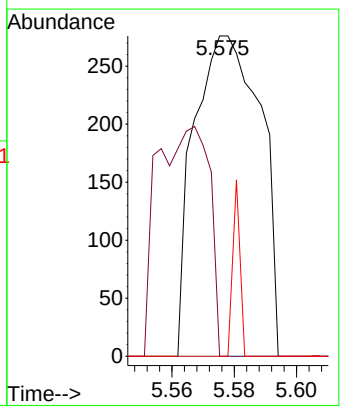
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)



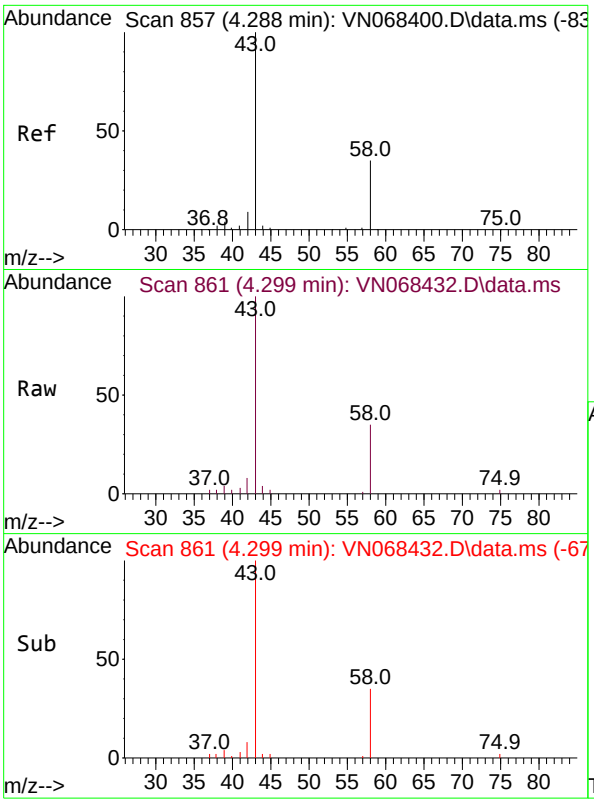
#14
Acrylonitrile
Concen: 0.245 ug/l
RT: 5.575 min Scan# 1337
Delta R.T. 0.019 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 53 Resp: 409

Ion	Ratio	Lower	Upper
53	100		
52	35.9	41.8	125.4#
51	0.0	18.1	54.3#



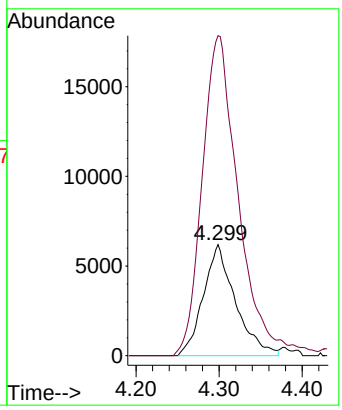
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)

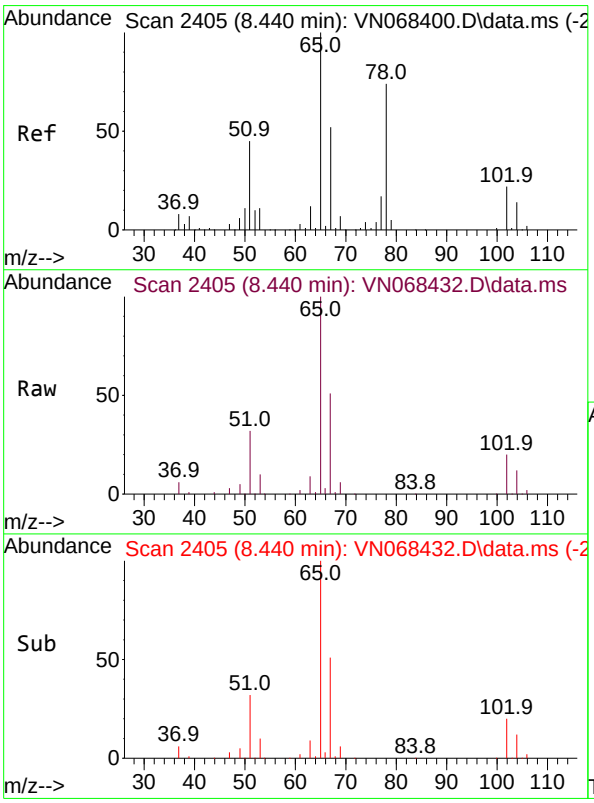


#15
Acetone
Concen: 33.897 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 58 Resp: 16637

Ion	Ratio	Lower	Upper
58	100		
43	283.3	289.6	434.4#

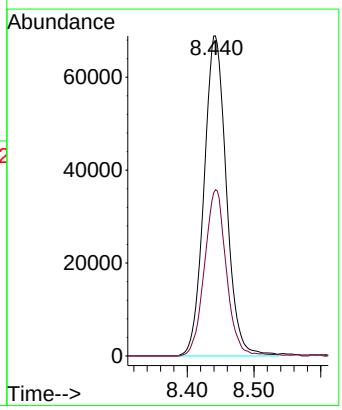


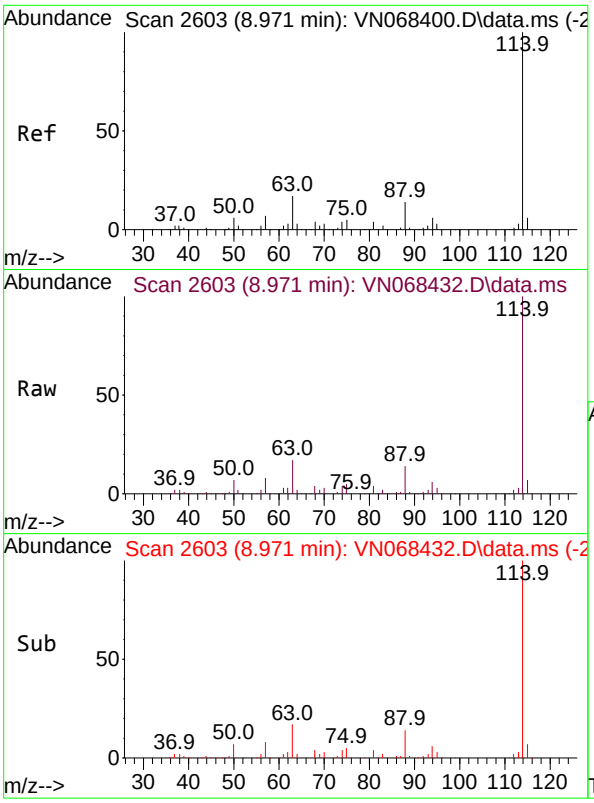


#27
1,2-Dichloroethane-d4
Concen: 32.917 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 65 Resp: 160073

Ion	Ratio	Lower	Upper
65	100		
67	50.5	39.8	59.8

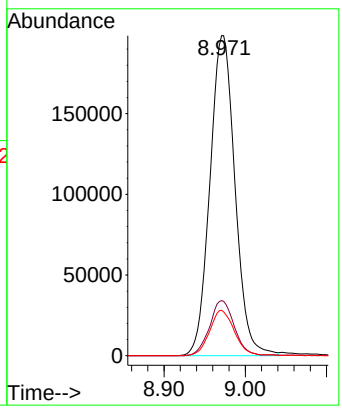




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

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#



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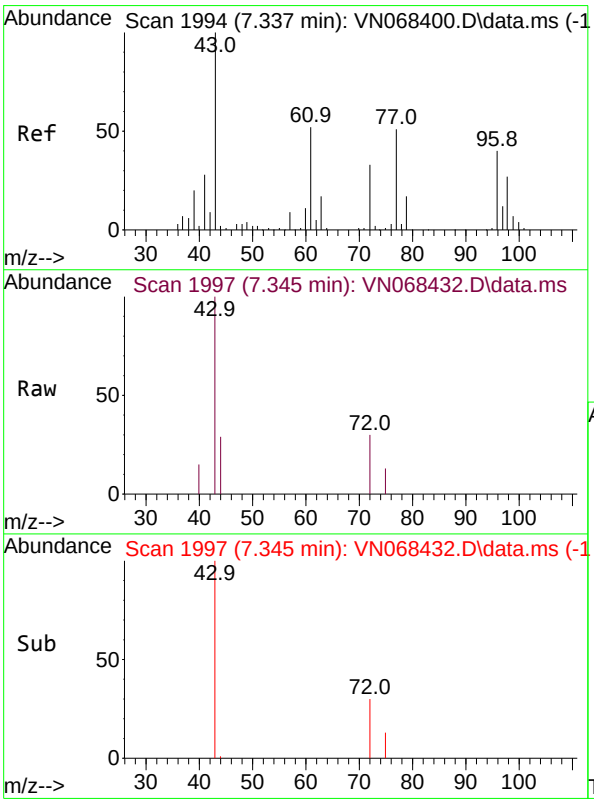
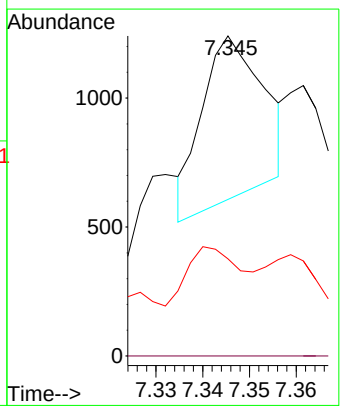
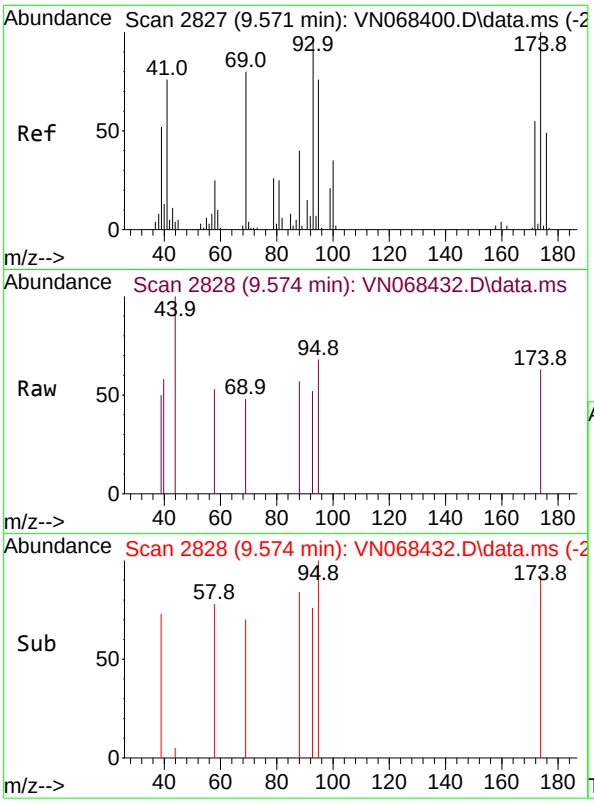


#30
2-Butanone
Concen: 0.263 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 43 Resp: 575

Ion	Ratio	Lower	Upper
43	100		
57	0.0	6.9	10.3#
72	38.8	20.0	30.0#

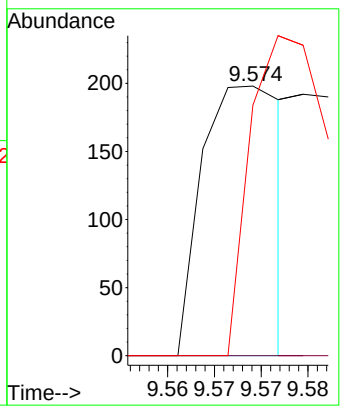




#45
1,4-Dioxane
Concen: 1.671 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.003 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 88 Resp: 118

Ion	Ratio	Lower	Upper
88	100		
43	120.3	18.0	27.0#
58	110.2	57.7	86.5#



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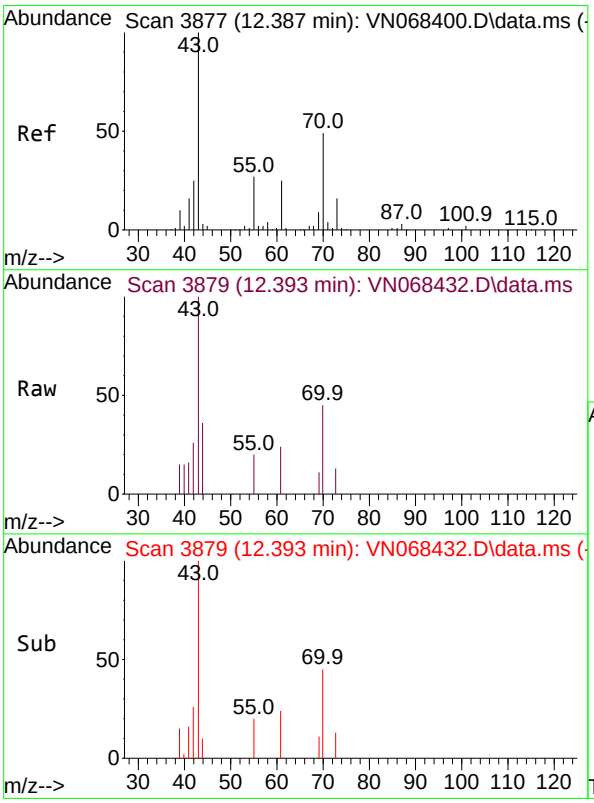
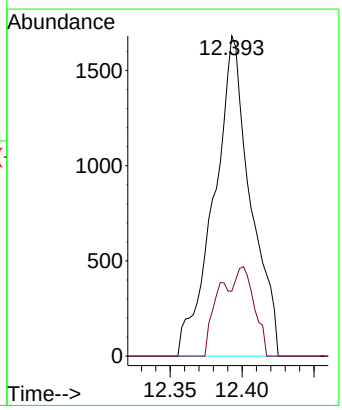
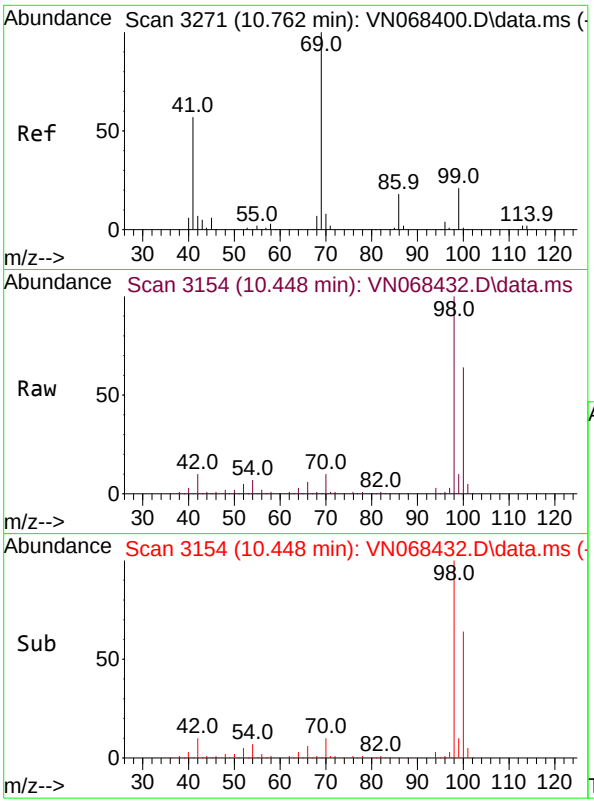


#47
n-amyl Acetate
Concen: 0.547 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.005 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 43 Resp: 2957

Ion	Ratio	Lower	Upper
43	100		
55	11.9	17.6	26.4#

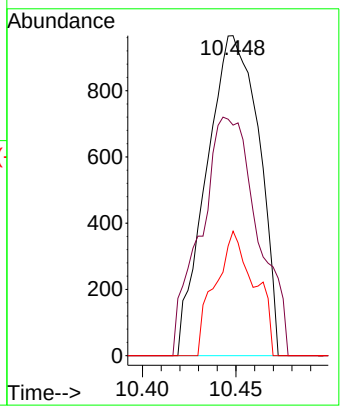




#51
Ethyl methacrylate
Concen: 0.307 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.314 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 69 Resp: 1884

Ion	Ratio	Lower	Upper
69	100		
41	54.1	36.8	110.4
39	38.9	23.8	71.2



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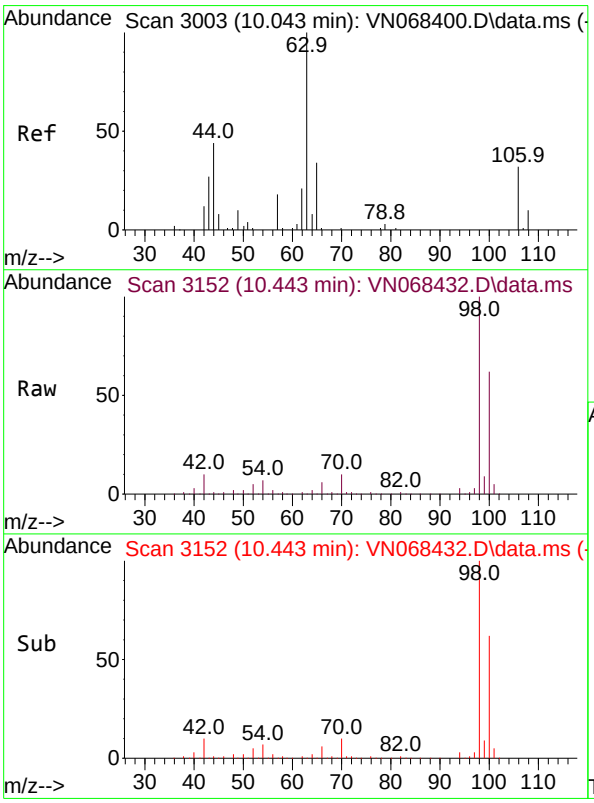
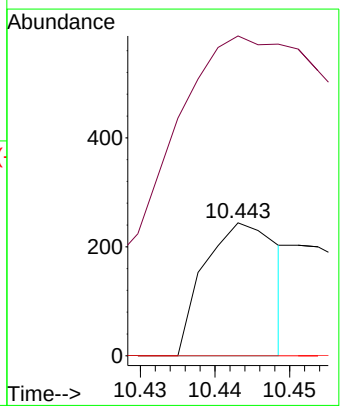


#55
2-Chloroethyl vinyl ether
Concen: 46.452 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.400 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 63 Resp: 166

Ion	Ratio	Lower	Upper
63	100		
65	345.8	25.6	38.4#
106	0.0	20.0	30.0#



Instrument :
MSVOA_N
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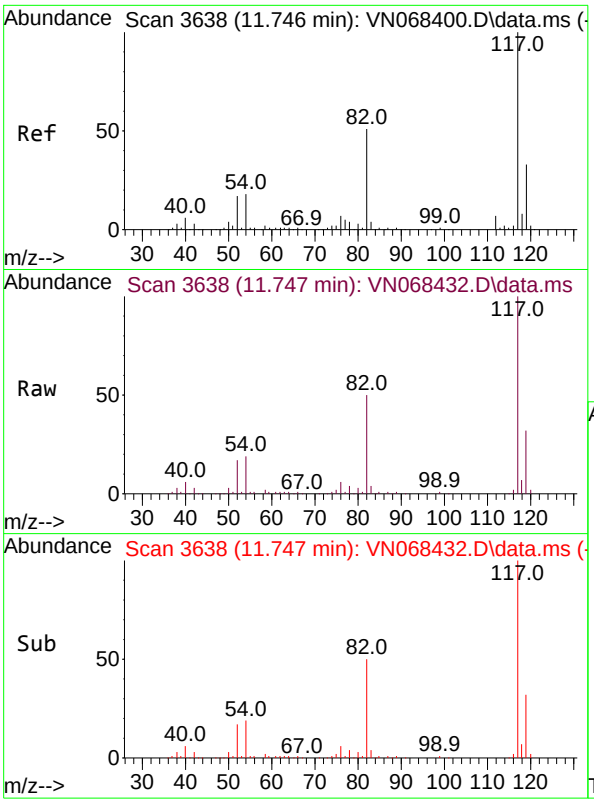
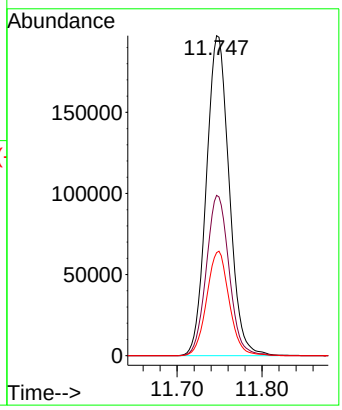
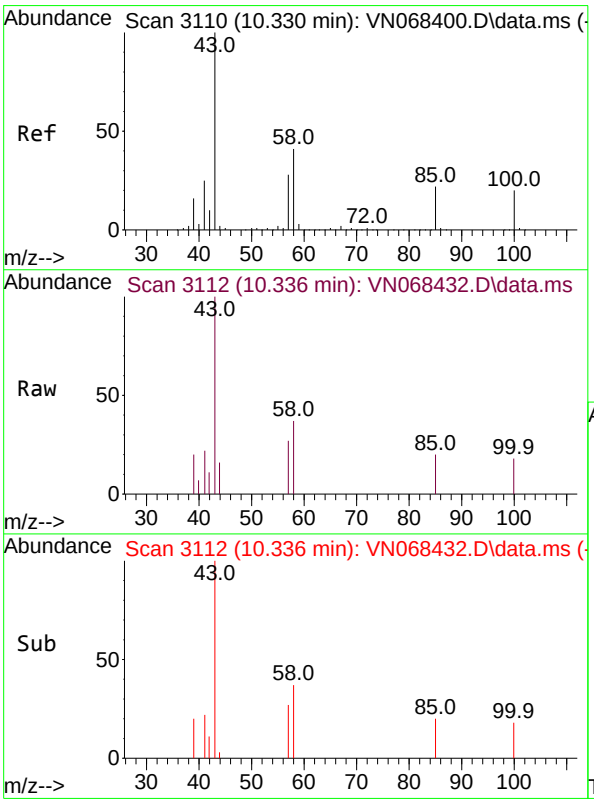


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

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

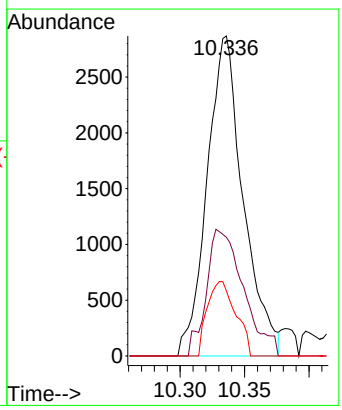




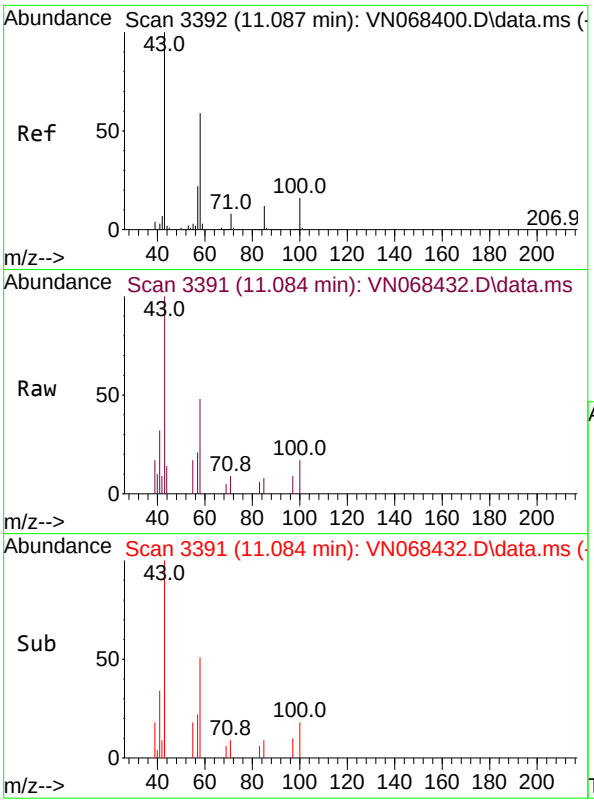
#58
4-Methyl-2-Pentanone
Concen: 1.307 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.006 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

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



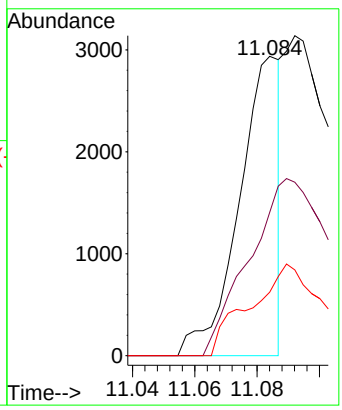
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)

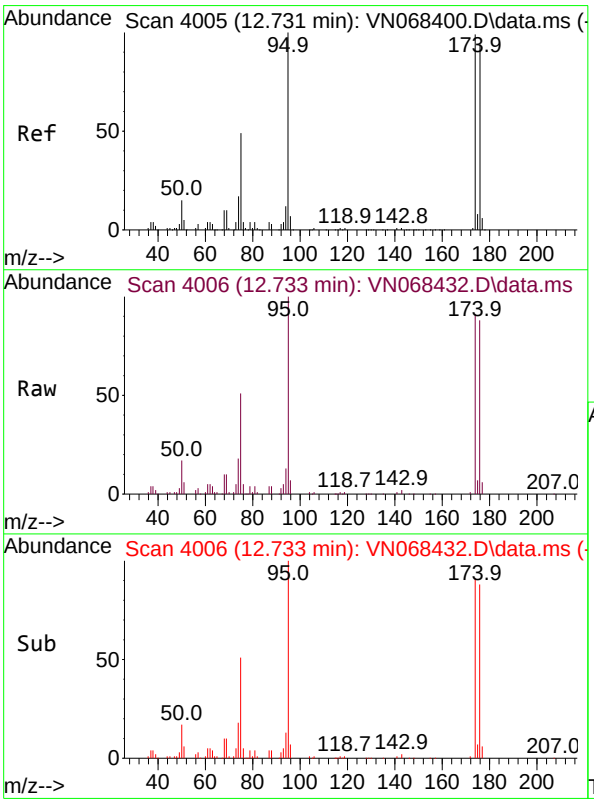


#59
2-Hexanone
Concen: 0.904 ug/l
RT: 11.084 min Scan# 3391
Delta R.T. -0.003 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 43 Resp: 2679

Ion	Ratio	Lower	Upper
43	100		
58	125.9	39.4	59.0#
57	56.1	14.4	21.6#

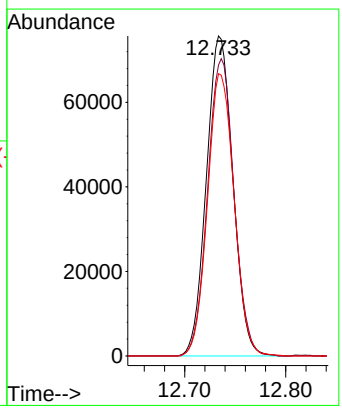


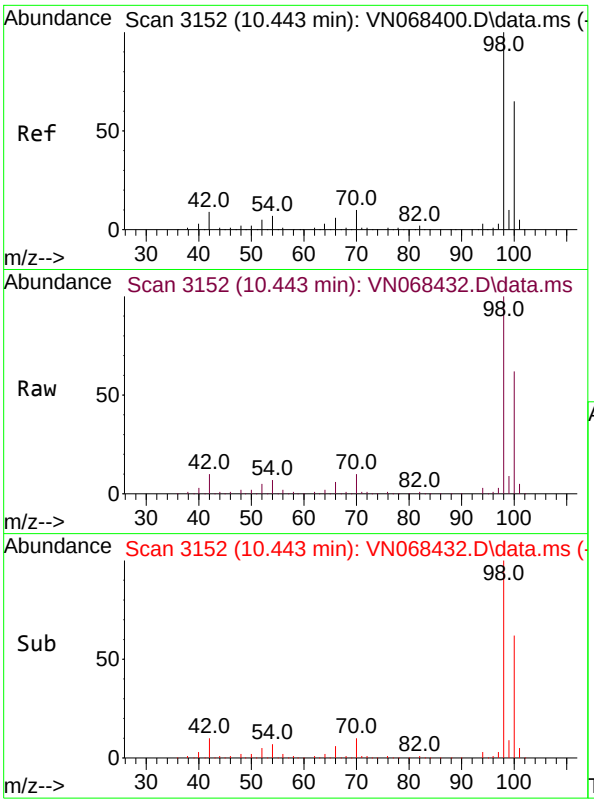


#60
4-Bromofluorobenzene
Concen: 26.539 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

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#

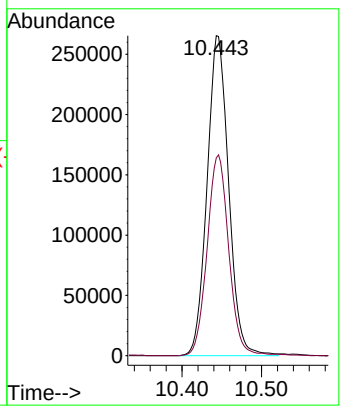




#63
Toluene-d8
Concen: 30.567 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

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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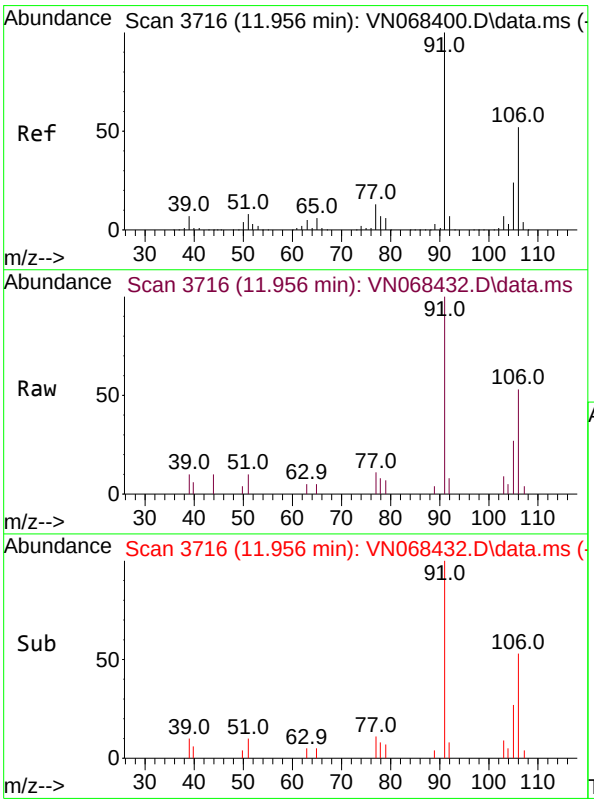
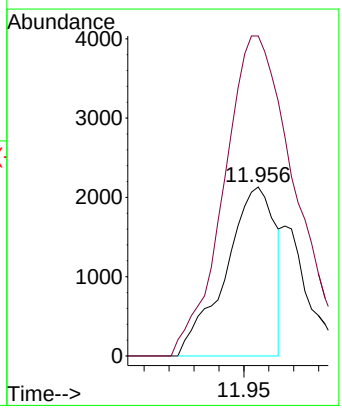


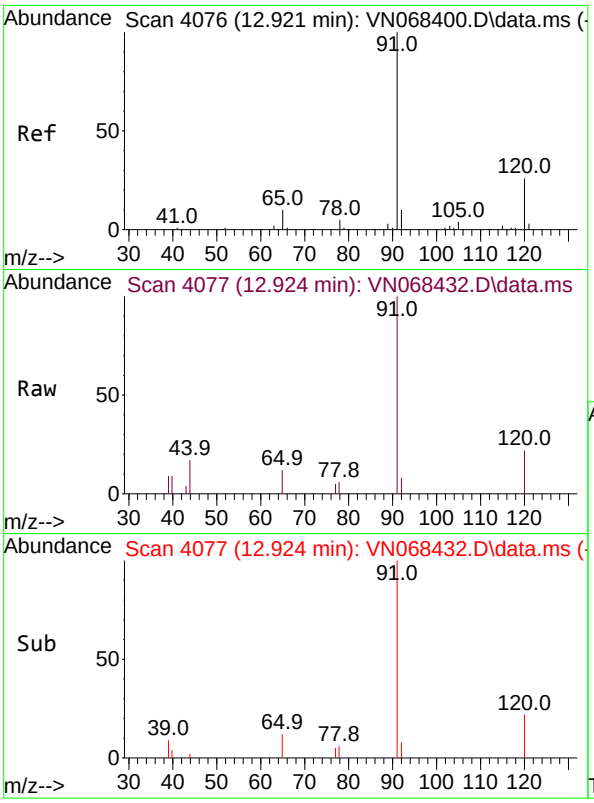
#67
m/p-Xylenes
Concen: 0.331 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.000 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion:106 Resp: 2945

Ion	Ratio	Lower	Upper
106	100		
91	269.5	181.3	271.9



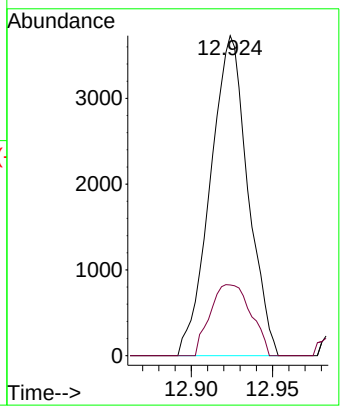
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)

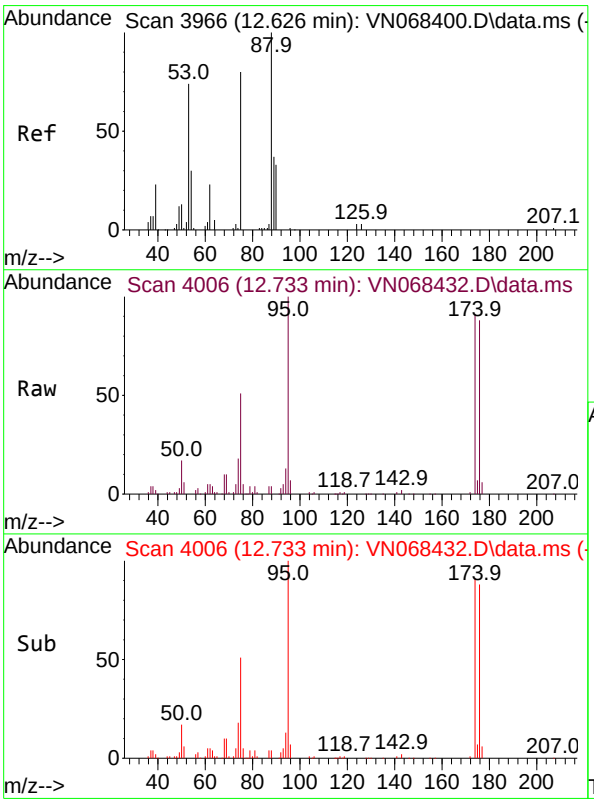


#74
n-propylbenzene
Concen: 0.250 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. 0.003 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 91 Resp: 5991

Ion	Ratio	Lower	Upper
91	100		
120	24.0	0.0	41.0

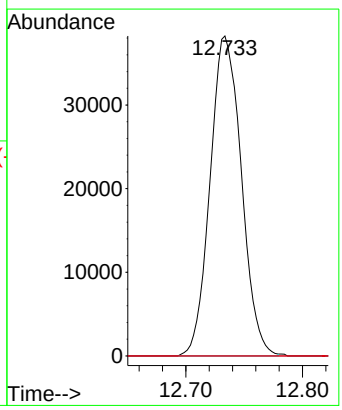


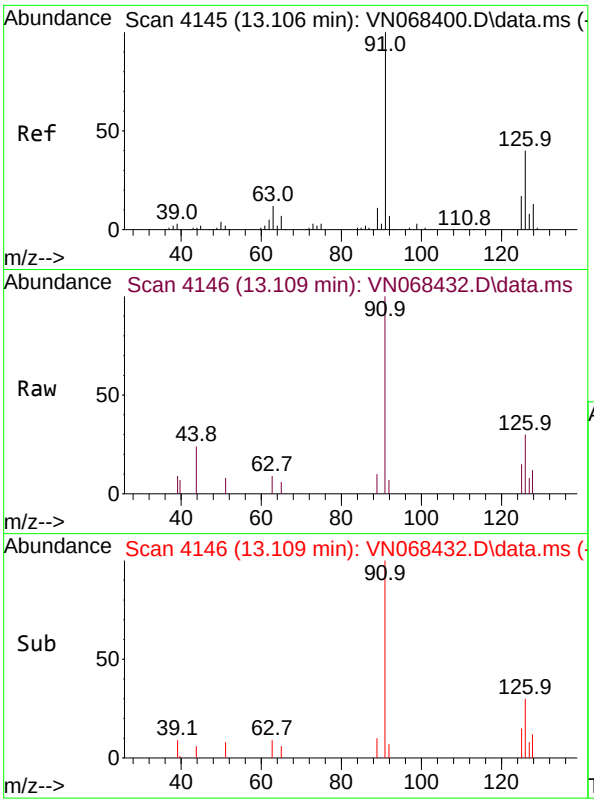


#77
t-1,4-Dichloro-2-butene
Concen: 50.486 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 75 Resp: 71176

Ion	Ratio	Lower	Upper
75	100		
53	0.0	55.2	165.6#
89	0.0	24.5	73.5#

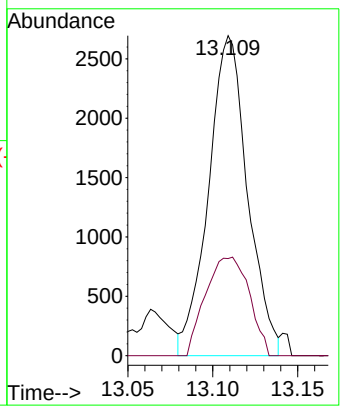




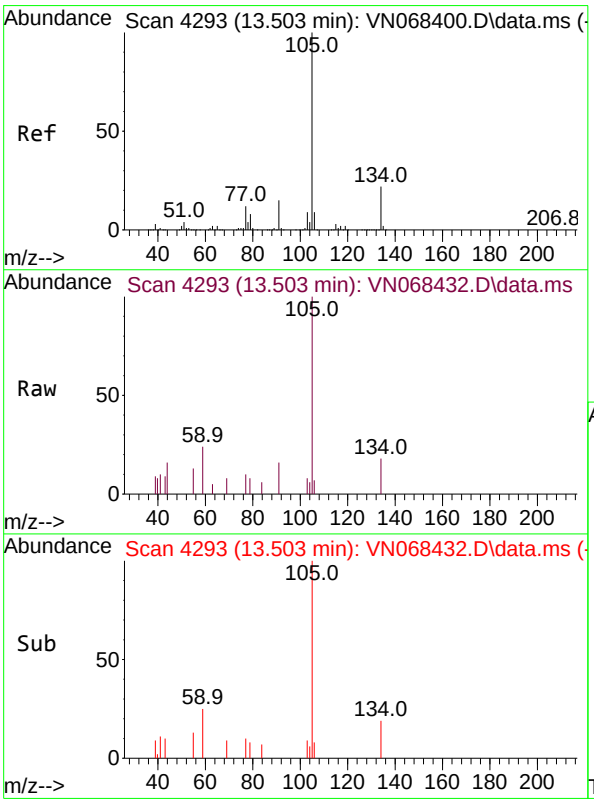
#78
4-Chlorotoluene
Concen: 0.310 ug/l
RT: 13.109 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 91 Resp: 4321

Ion	Ratio	Lower	Upper
91	100		
126	34.3	0.0	57.6



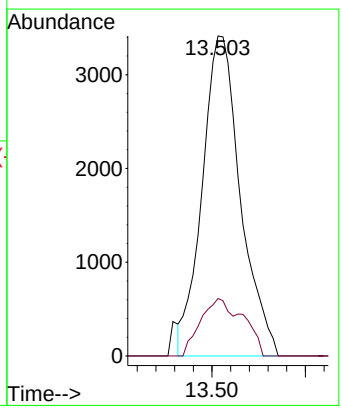
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)

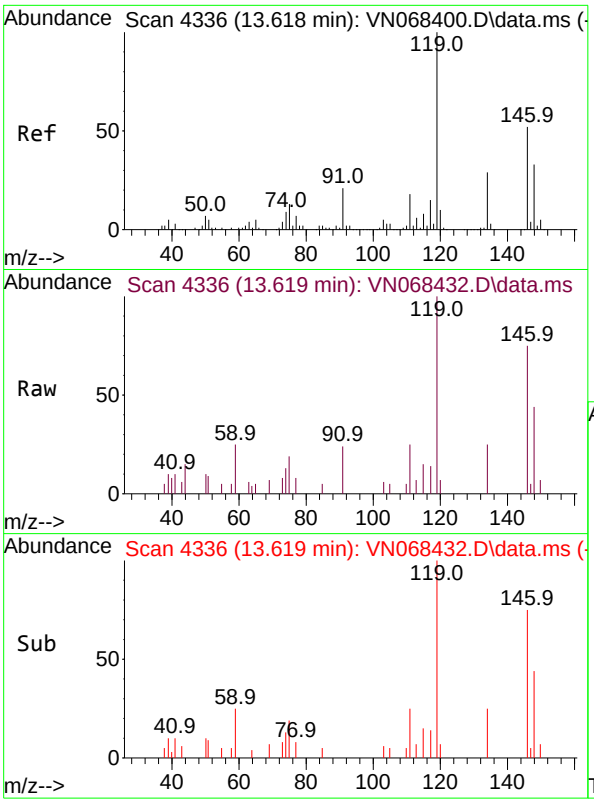


#81
sec-Butylbenzene
Concen: 0.216 ug/l
RT: 13.503 min Scan# 4293
Delta R.T. 0.000 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion:105 Resp: 4864

Ion	Ratio	Lower	Upper
105	100		
134	14.1	0.0	35.4

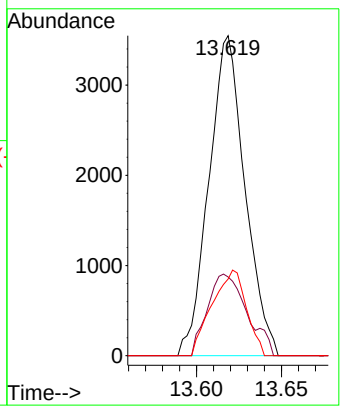




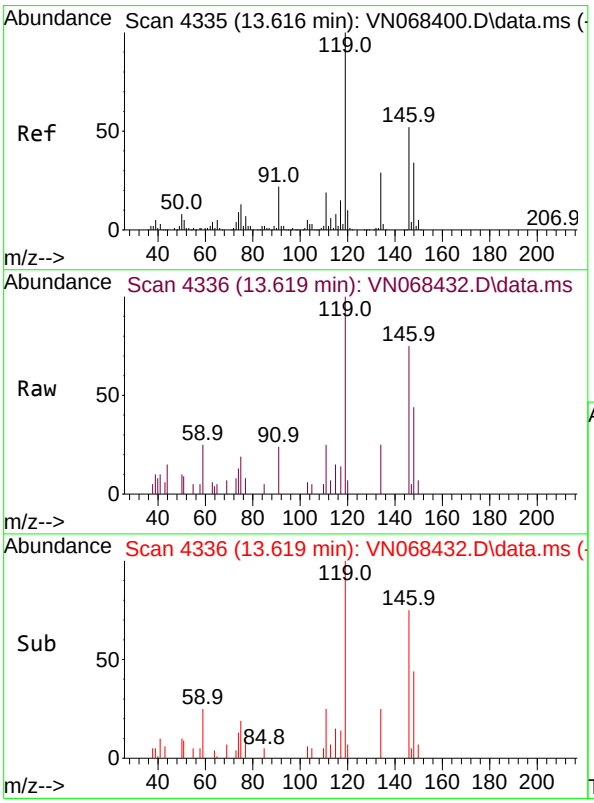
#82
p-Isopropyltoluene
Concen: 0.270 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

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



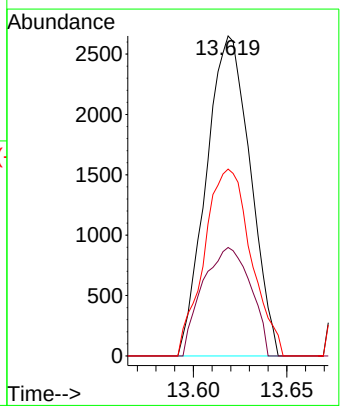
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)

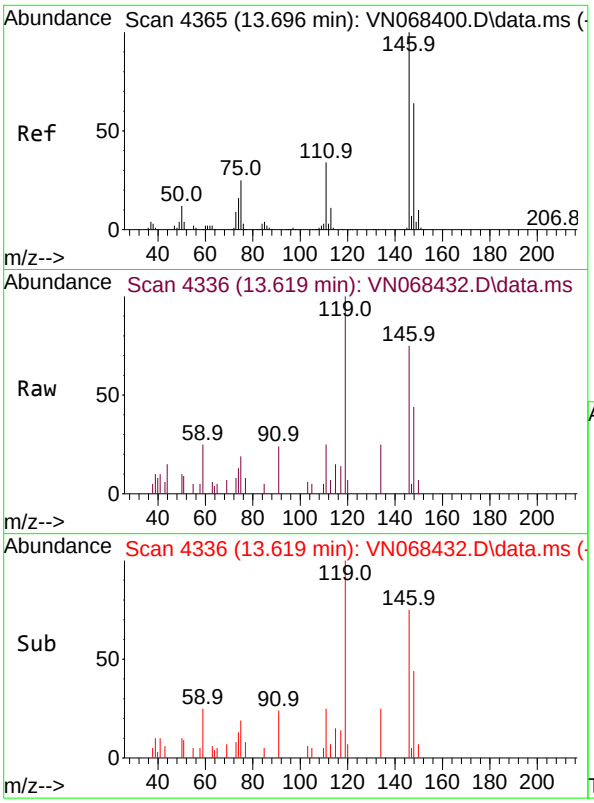


#83
1,3-Dichlorobenzene
Concen: 0.400 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.003 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

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

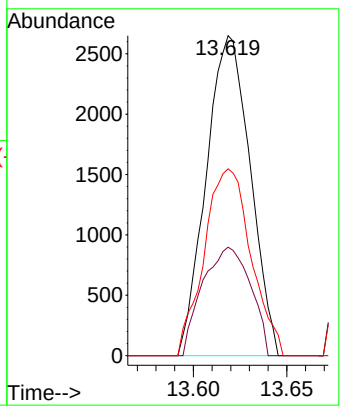




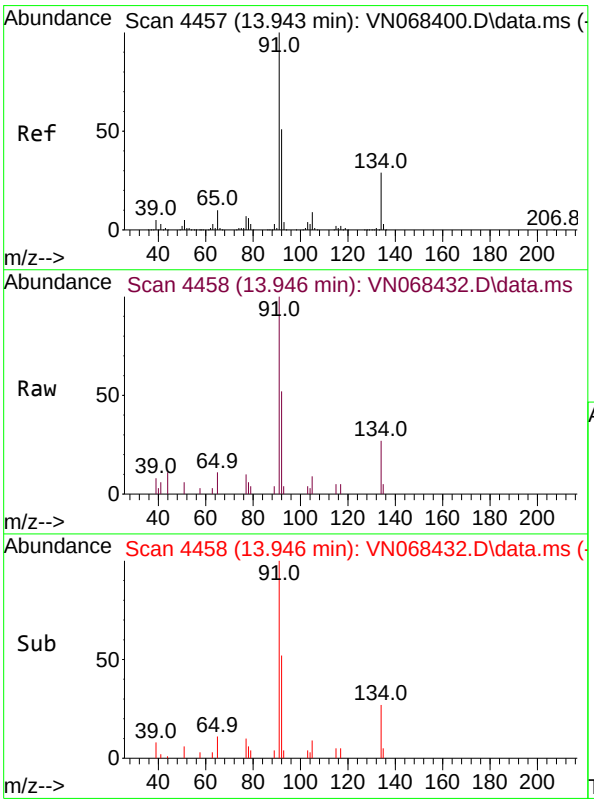
#84
1,4-Dichlorobenzene
Concen: 0.415 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. -0.078 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion:146 Resp: 4332

Ion	Ratio	Lower	Upper
146	100		
111	37.0	23.6	71.0
148	62.3	31.8	95.3



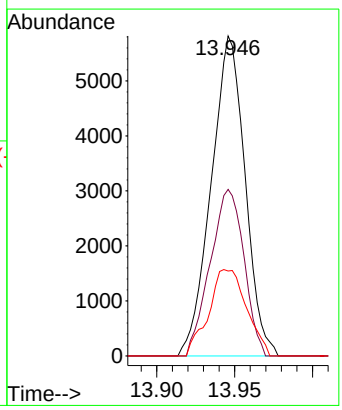
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)



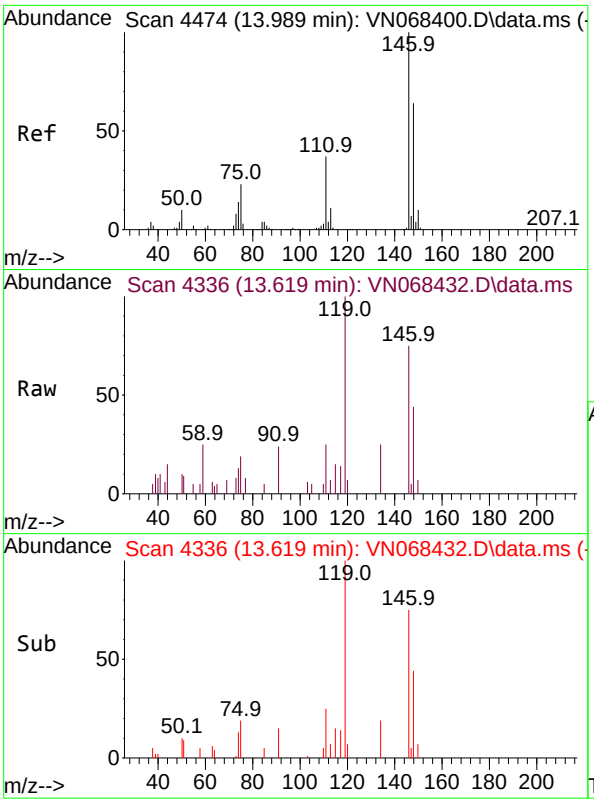
#85
n-Butylbenzene
Concen: 0.609 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion: 91 Resp: 8801

Ion	Ratio	Lower	Upper
91	100		
92	51.7	0.0	103.0
134	30.1	0.0	43.6



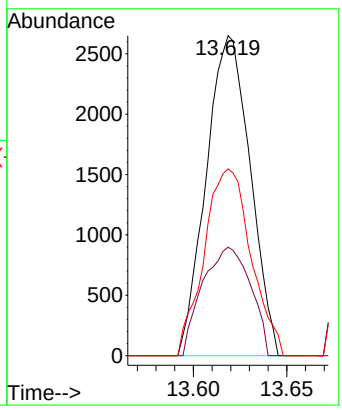
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)

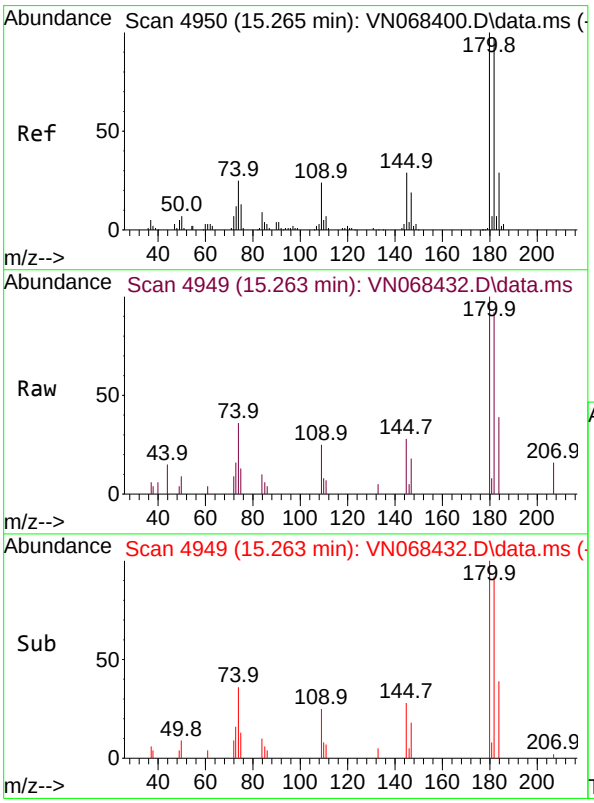


#87
1,2-Dichlorobenzene
Concen: 0.420 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. -0.370 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion:146 Resp: 4332

Ion	Ratio	Lower	Upper
146	100		
111	37.0	25.0	75.0
148	62.3	32.0	96.0

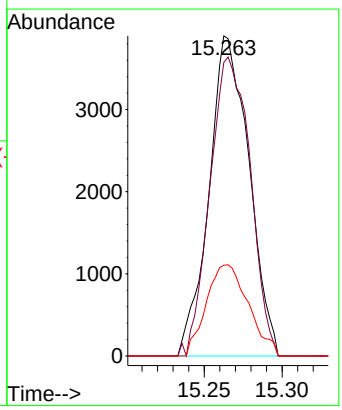




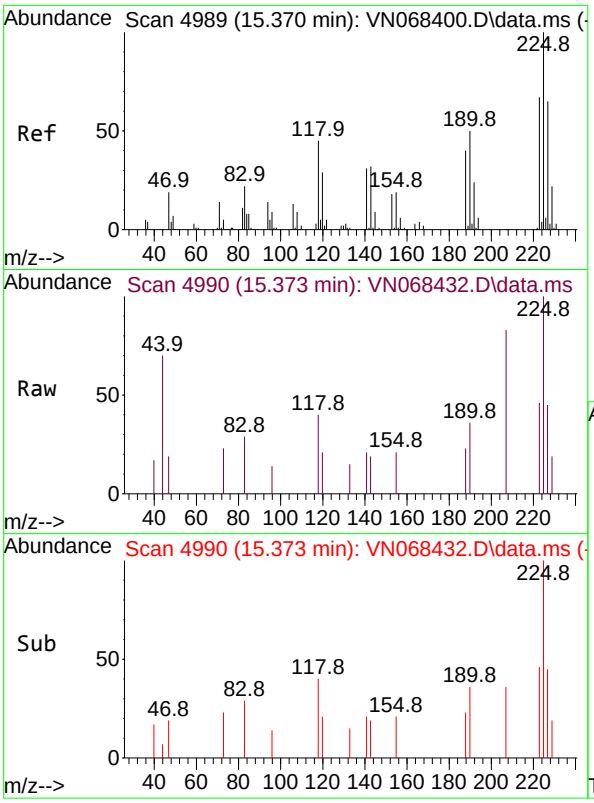
#89
1,2,4-Trichlorobenzene
Concen: 1.256 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

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



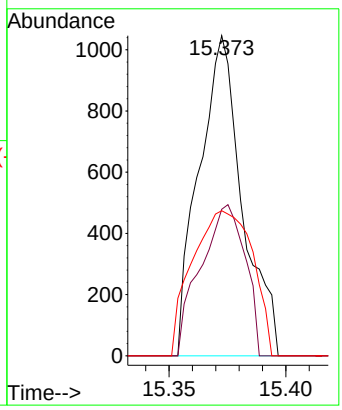
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(SEP)

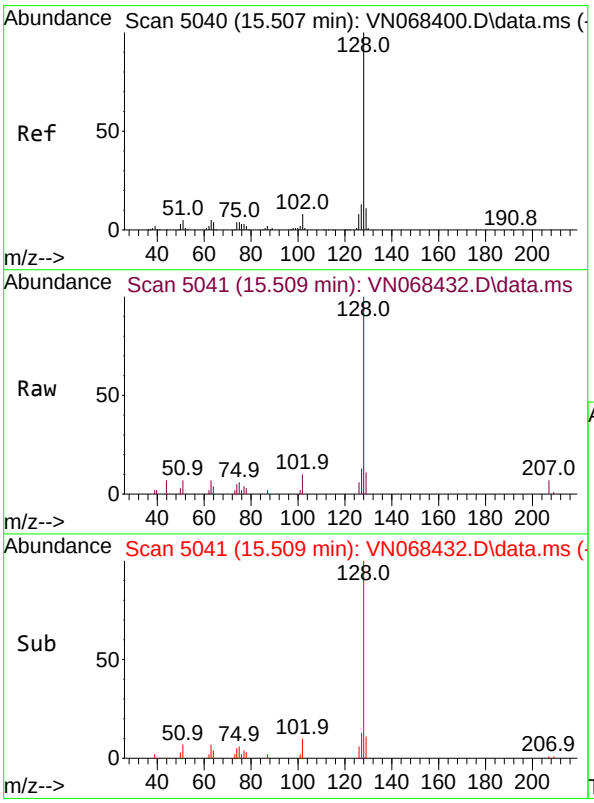


#90
Hexachlorobutadiene
Concen: 0.414 ug/l
RT: 15.373 min Scan# 4990
Delta R.T. 0.003 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

Tgt Ion:225 Resp: 1348

Ion	Ratio	Lower	Upper
225	100		
223	48.5	0.0	129.6
227	63.1	0.0	131.2

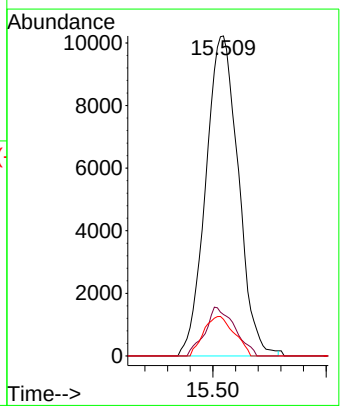


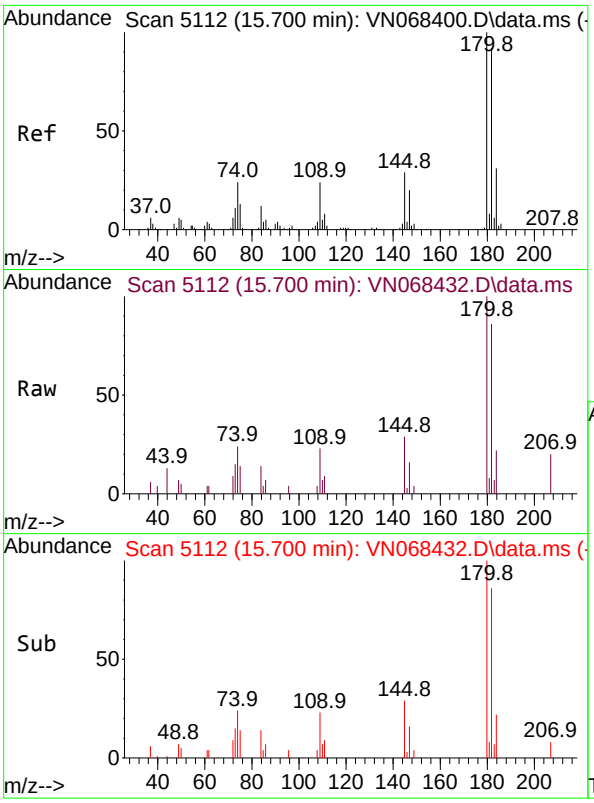


#91
Naphthalene
Concen: 1.742 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

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

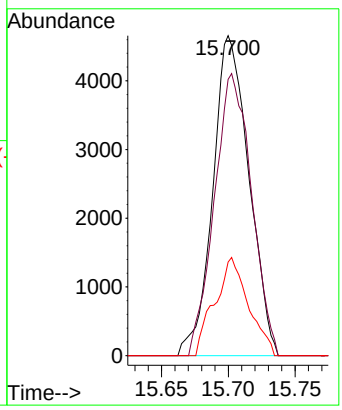




#92
1,2,3-Trichlorobenzene
Concen: 1.663 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. 0.000 min
Lab File: VN068432.D
Acq: 8 Sep 2021 11:34

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



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