Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100518\
Data File : VN051684.D
Acq On : 5 Oct 2018 14:03
Operator : MD\SY
Sample : J5239-01 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 28

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

Quant Time: Oct 05 14:54:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.20	128	95723	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.59	114	530024	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	440559	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	195808	29.47	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 98.23%				
60) 4-Bromofluorobenzene	12.40	95	150611	22.40	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 74.67%				
63) Toluene-d8	10.09	98	624517	31.93	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 106.43%				
Target Compounds							Qvalue
3) Chloromethane	2.06	50	1342	0.245	ug/l		97
5) Bromomethane	2.57	94	1858	0.287	ug/l		88
13) Acrolein	3.75	56	200	0.772	ug/l		92
15) Acetone	3.82	58	44868	130.407	ug/l		80
16) Carbon Disulfide	4.05	76	3212	0.251	ug/l	#	87
25) Chloroform	7.37	83	27127	2.626	ug/l	#	81
30) 2-Butanone	6.84	43	561	0.327	ug/l	#	51
41) Bromodichloromethane	9.40	83	2780	0.345	ug/l	#	85
45) 1,4-Dioxane	8.76	88	68	1.348	ug/l	#	1
56) Bromoform	12.41	173	1793	0.374	ug/l	#	1
62) Toluene	10.16	91	306504	13.734	ug/l		98
77) t-1,4-Dichloro-2-butene	12.40	75	82273	49.775	ug/l	#	12
79) tert-butylbenzene	13.29	119	11183	0.551	ug/l		59
82) p-Isopropyltoluene	13.29	119	11183	0.467	ug/l		97
89) 1,2,4-Trichlorobenzene	14.91	180	531	6.909	ug/l	#	87

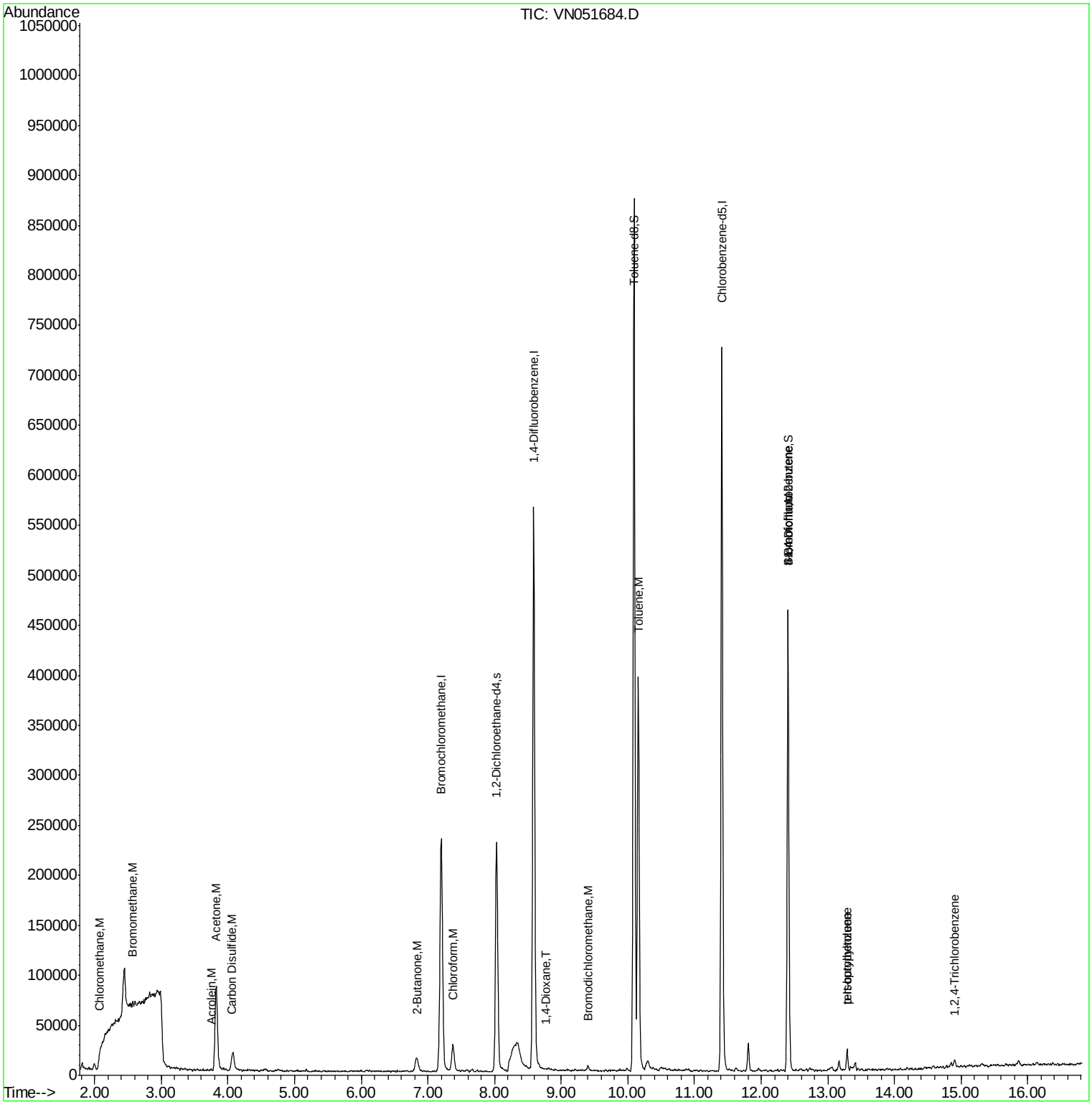
(#) = qualifier out of range (m) = manual integration (+) = signals summed

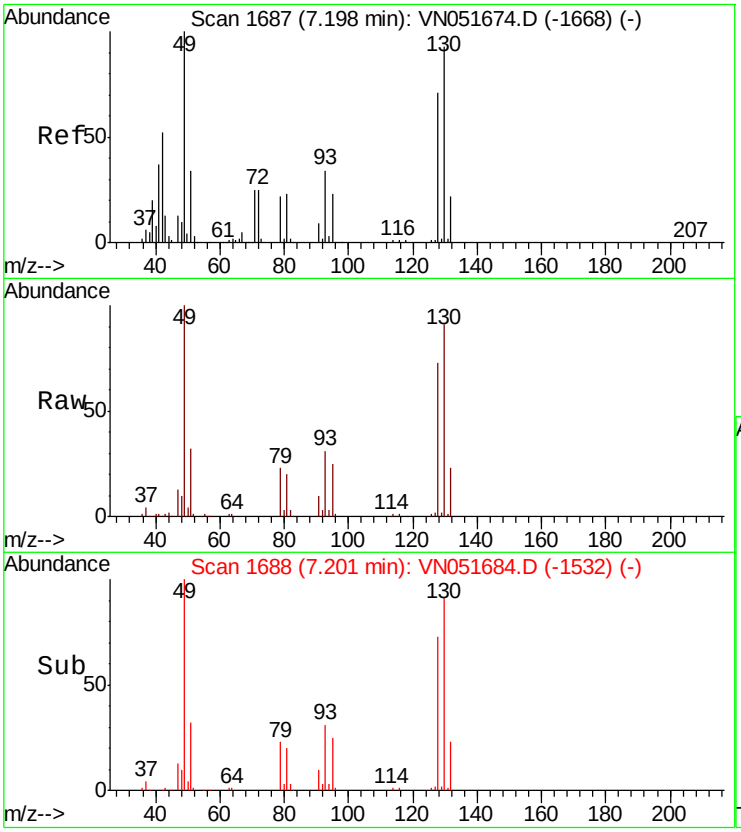
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100518\
Data File : VN051684.D
Acq On : 5 Oct 2018 14:03
Operator : MD\SY
Sample : J5239-01 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 28

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

Quant Time: Oct 05 14:54:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration



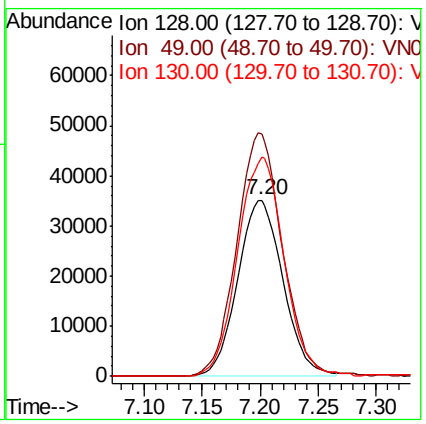


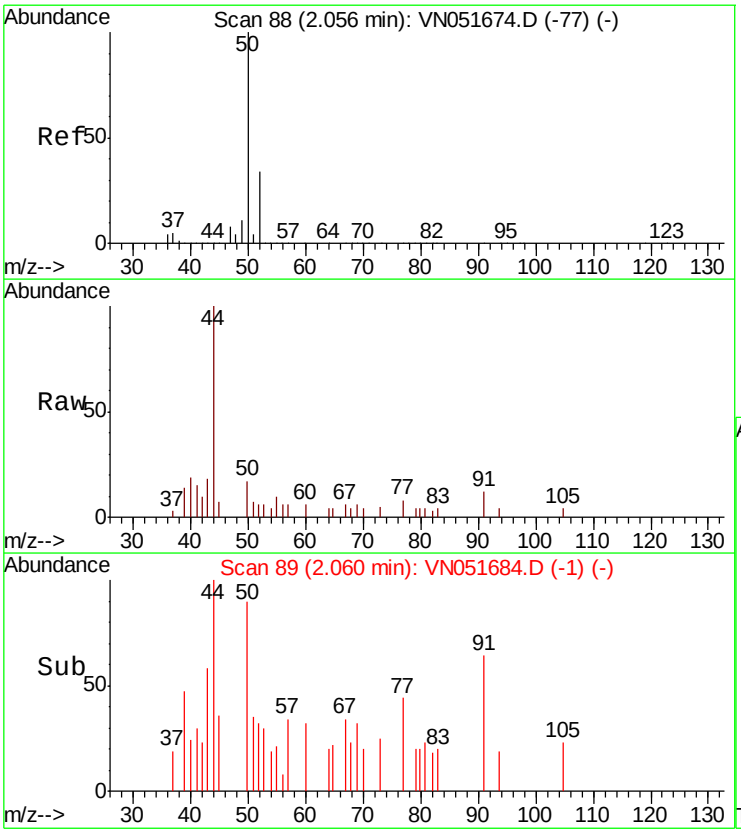
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

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

Tgt Ion:128 Resp: 95723

Ion	Ratio	Lower	Upper
128	100		
49	139.4	0.0	403.3
130	127.2	0.0	326.0

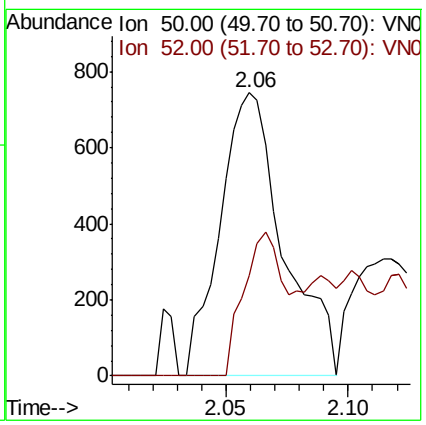


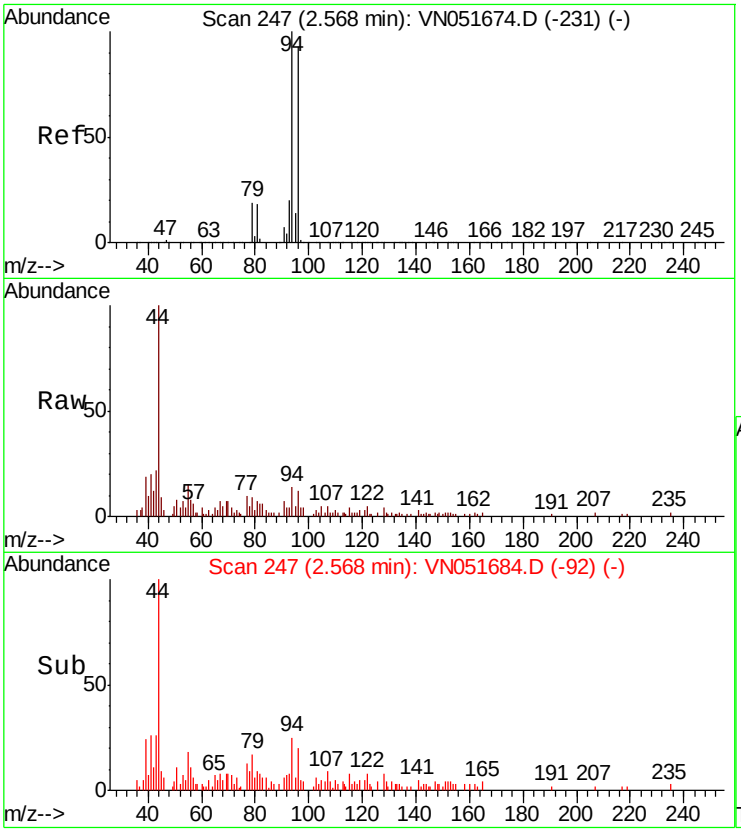


#3
Chloromethane
Concen: 0.245 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

Tgt Ion: 50 Resp: 1342

Ion	Ratio	Lower	Upper
50	100		
52	35.5	27.2	40.8



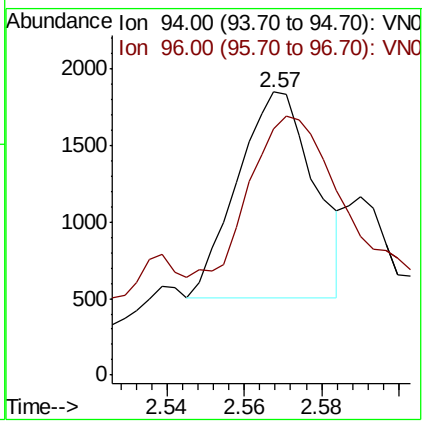


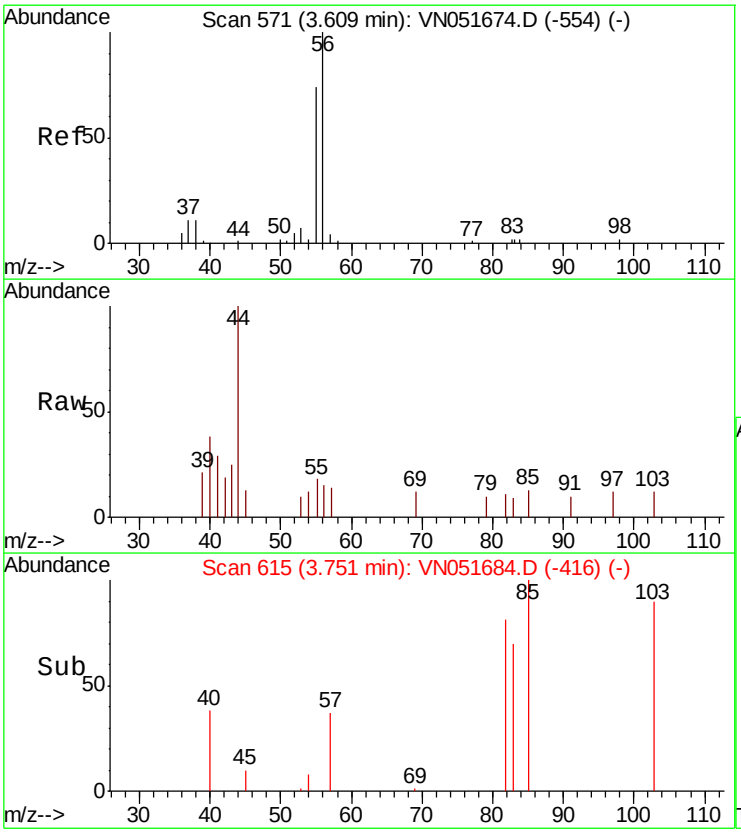
#5
Bromomethane
Concen: 0.287 ug/l
RT: 2.57 min Scan# 247
Delta R.T. -0.00 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

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

Tgt Ion: 94 Resp: 1858

Ion	Ratio	Lower	Upper
94	100		
96	72.6	66.4	99.6

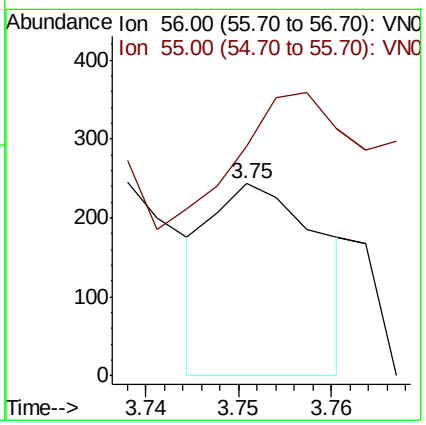


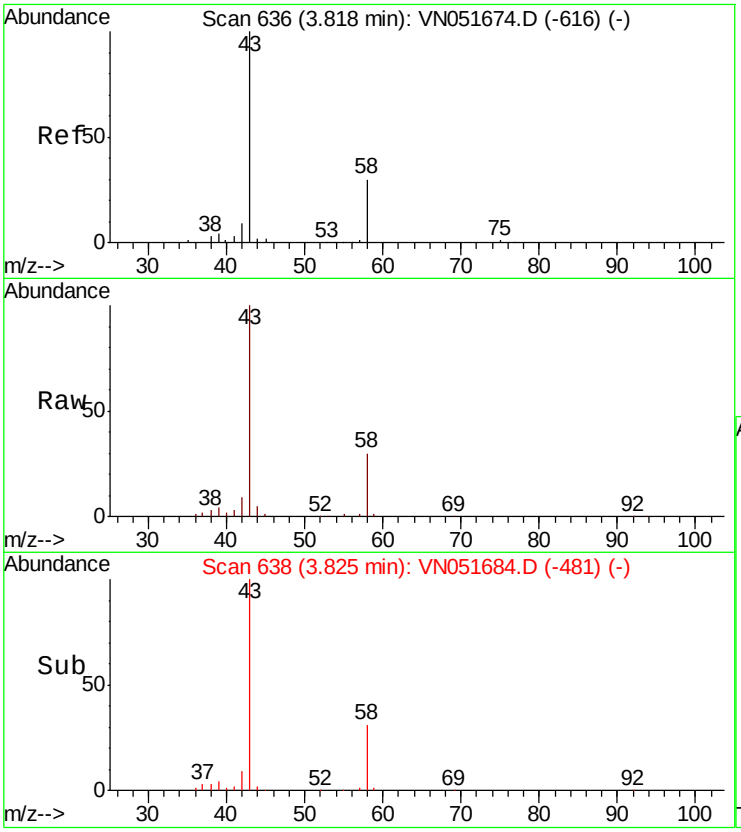


#13
Acrolein
Concen: 0.772 ug/l
RT: 3.75 min Scan# 615
Delta R.T. 0.14 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

Tgt Ion: 56 Resp: 200

Ion	Ratio	Lower	Upper
56	100		
55	73.0	64.0	96.0



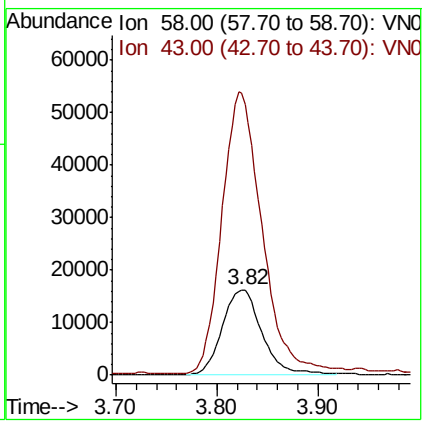


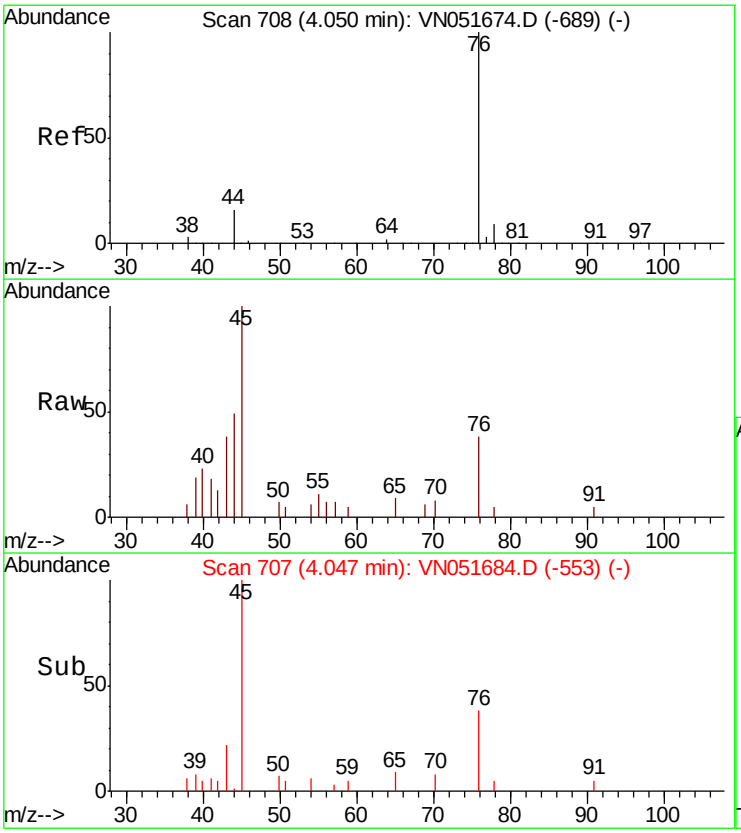
#15
Acetone
Concen: 130.407 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

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

Tgt Ion: 58 Resp: 44868

Ion	Ratio	Lower	Upper
58	100		
43	328.6	232.2	348.2

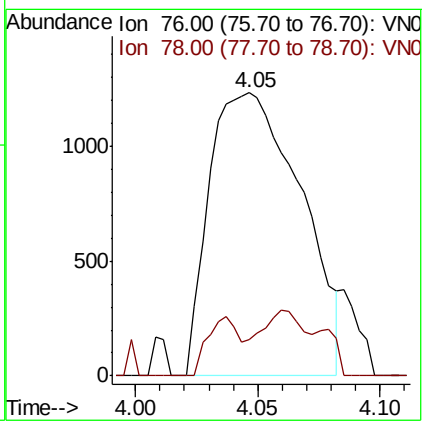


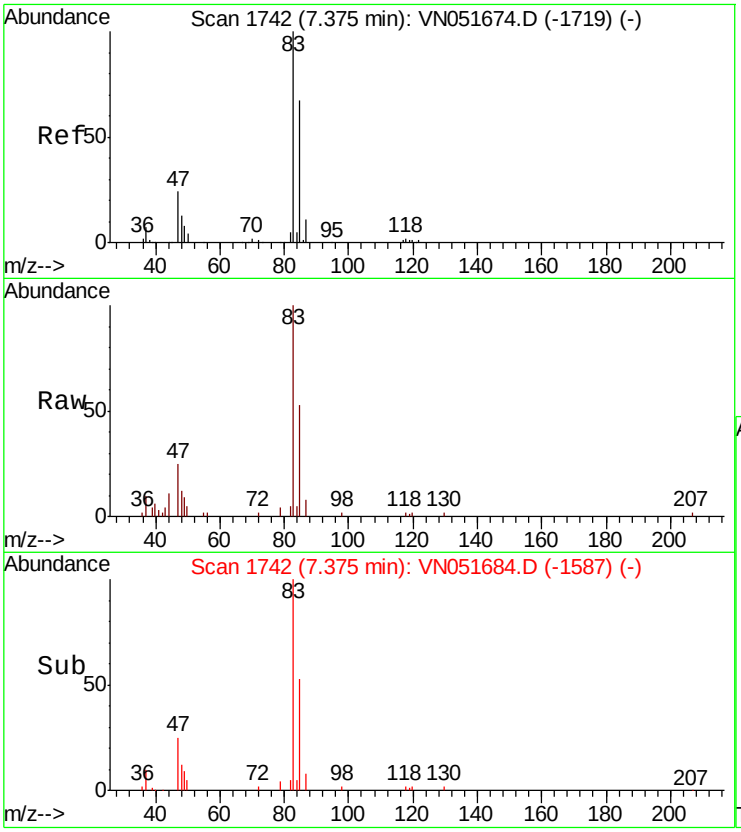


#16
Carbon Disulfide
Concen: 0.251 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

Tgt Ion: 76 Resp: 3212

Ion	Ratio	Lower	Upper
76	100		
78	12.9	6.7	10.1#



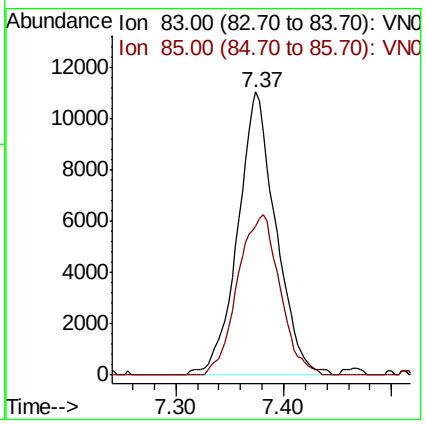


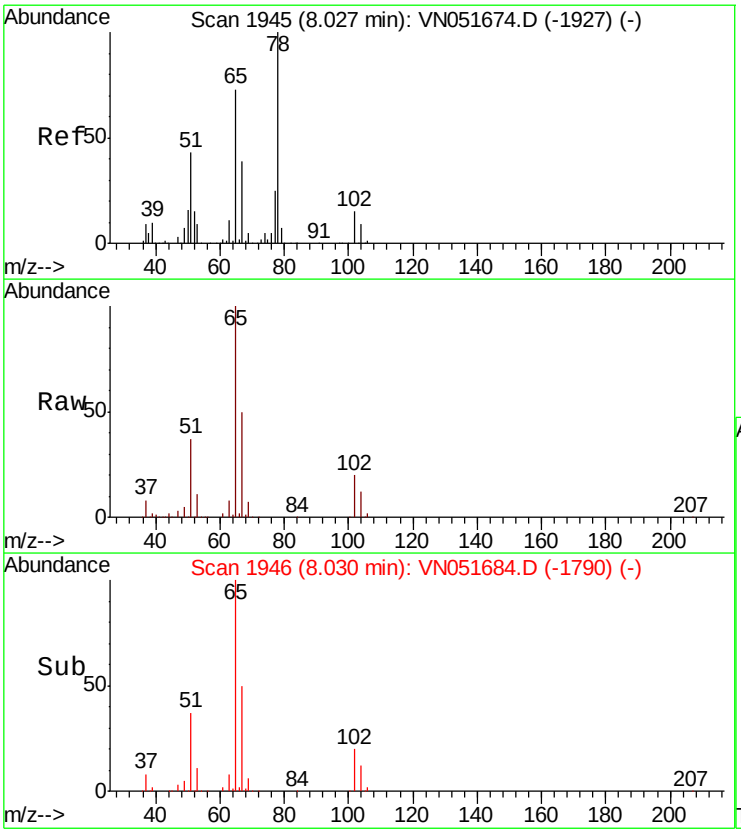
#25
Chloroform
Concen: 2.626 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

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

Tgt Ion: 83 Resp: 27127

Ion	Ratio	Lower	Upper
83	100		
85	52.6	54.6	82.0#

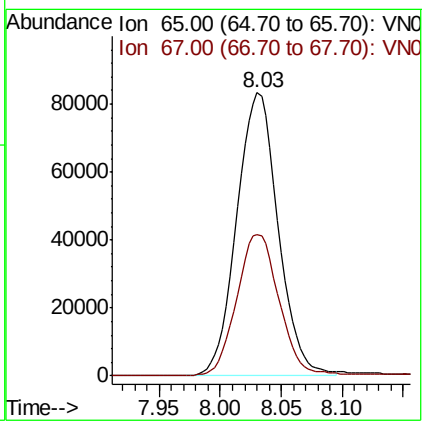


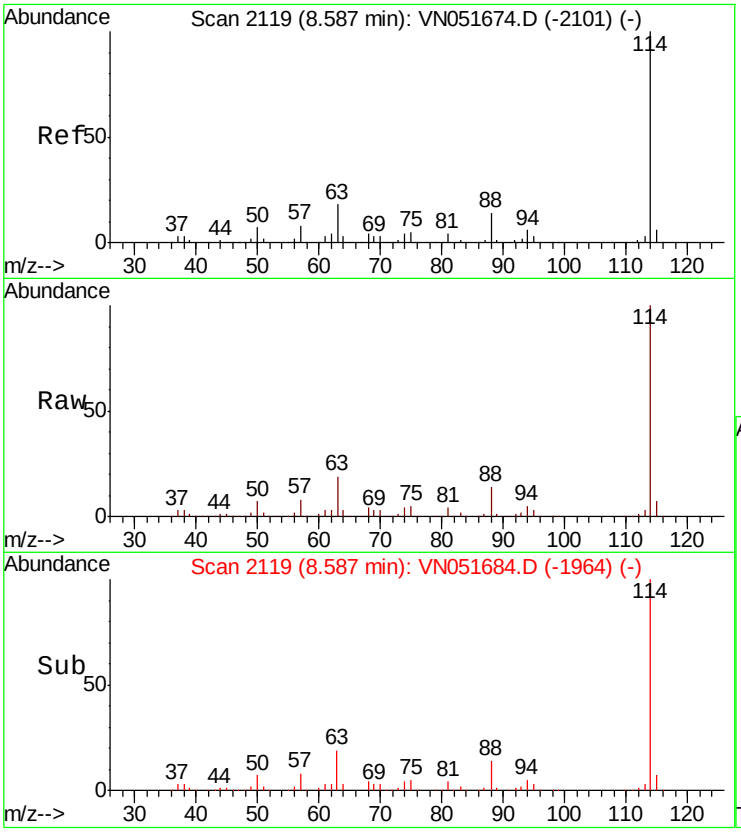


#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

Tgt Ion: 65 Resp: 195808

Ion	Ratio	Lower	Upper
65	100		
67	51.4	41.8	62.8



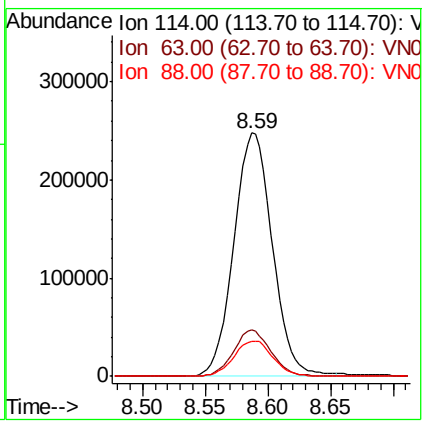


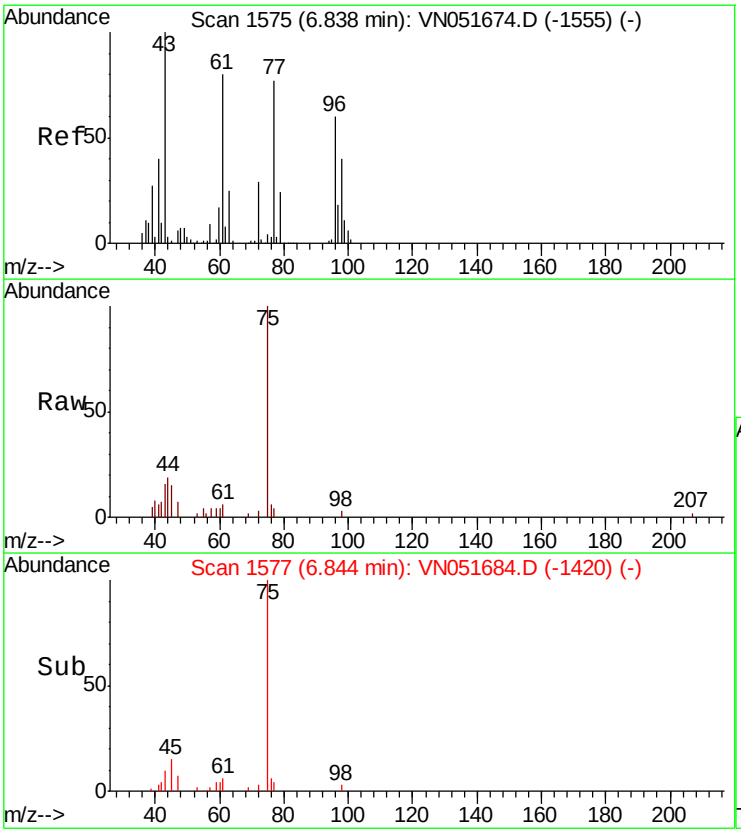
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

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

Tgt Ion:114 Resp: 530024

Ion	Ratio	Lower	Upper
114	100		
63	18.3	16.2	24.2
88	14.7	12.2	18.4

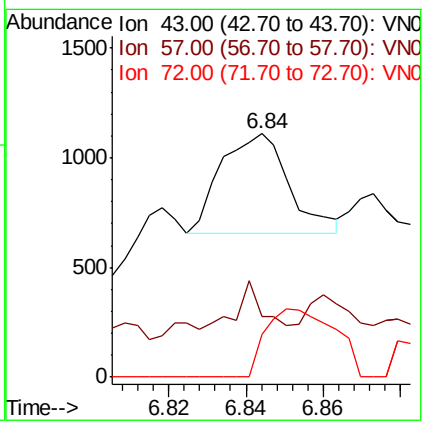


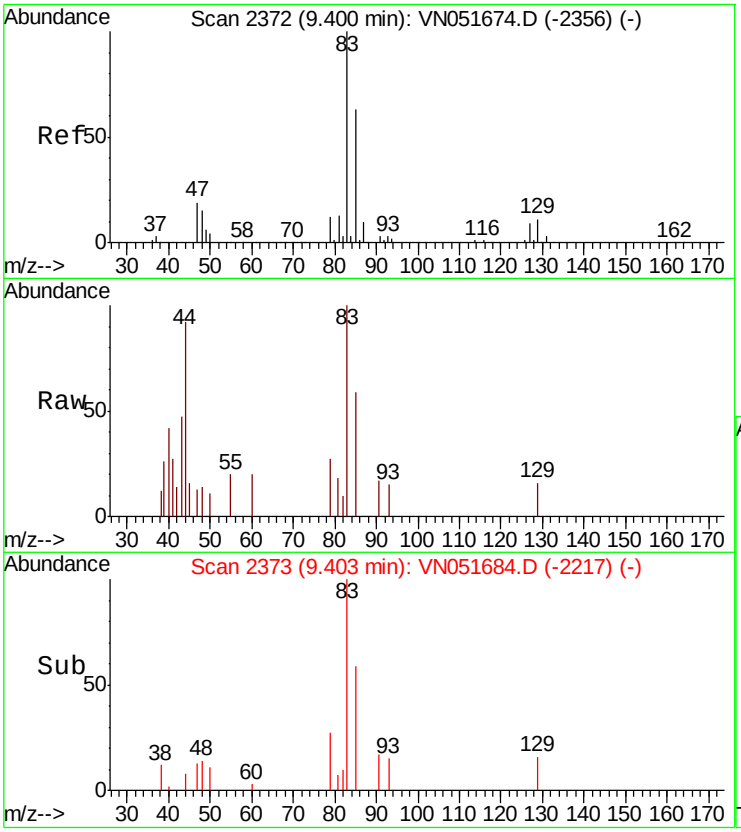


#30
2-Butanone
Concen: 0.327 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

Tgt Ion: 43 Resp: 561

Ion	Ratio	Lower	Upper
43	100		
57	17.1	4.5	6.7#
72	0.0	21.5	32.3#



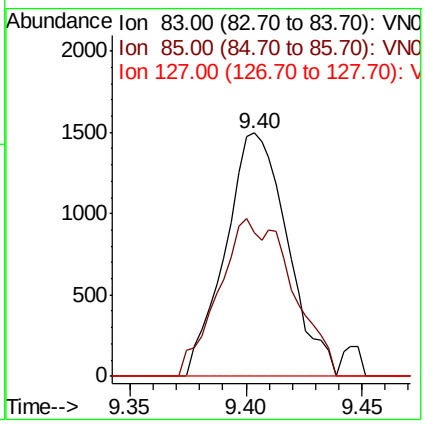


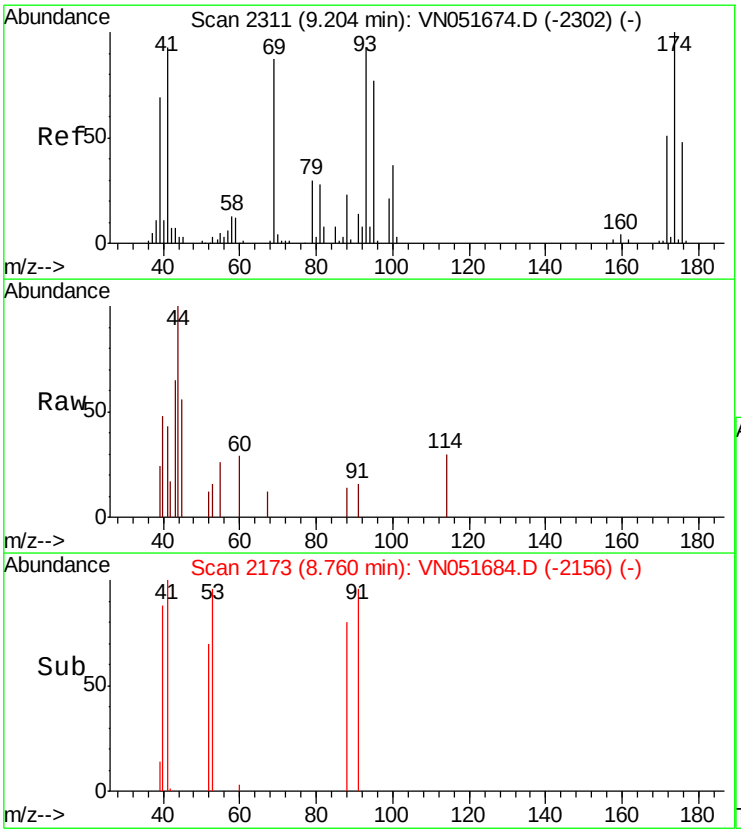
#41
Bromodichloromethane
Concen: 0.345 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

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

Tgt Ion: 83 Resp: 2780

Ion	Ratio	Lower	Upper
83	100		
85	58.9	55.7	83.5
127	0.0	8.2	12.4#

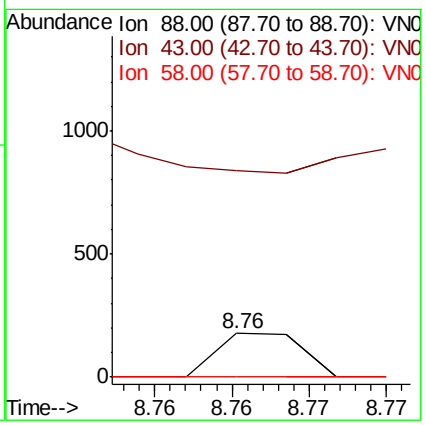


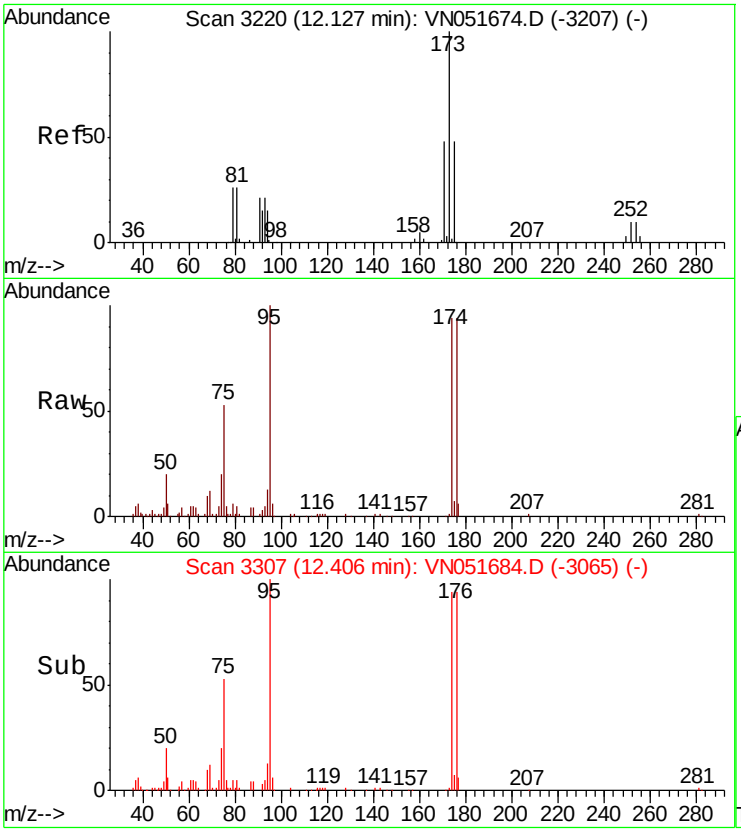


#45
1,4-Dioxane
Concen: 1.348 ug/l
RT: 8.76 min Scan# 2173
Delta R.T. -0.44 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

Tgt Ion: 88 Resp: 68

Ion	Ratio	Lower	Upper
88	100		
43	283.8	26.2	39.2#
58	0.0	65.6	98.4#



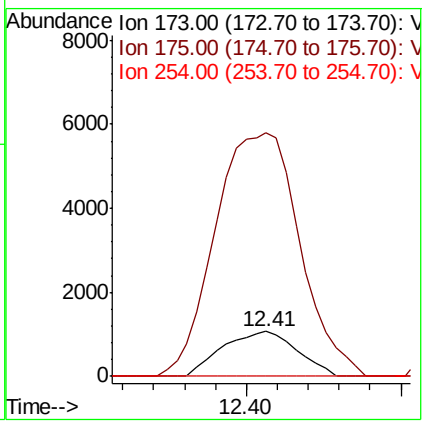


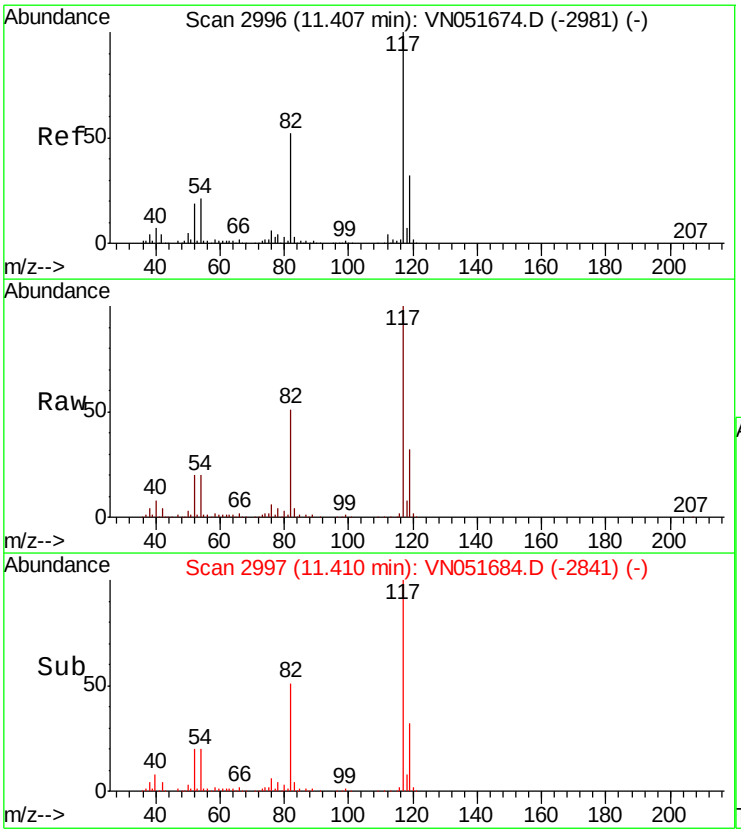
#56
Bromoform
Concen: 0.374 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

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

Tgt Ion:173 Resp: 1793

Ion	Ratio	Lower	Upper
173	100		
175	615.1	35.8	53.8#
254	0.0	8.6	13.0#

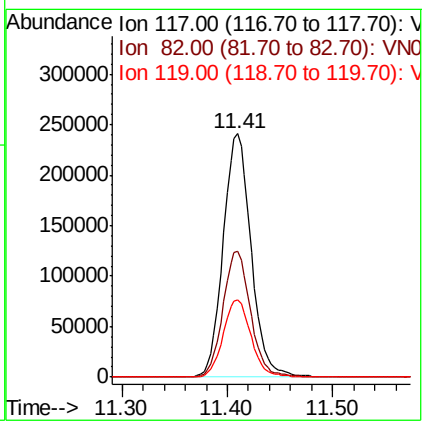


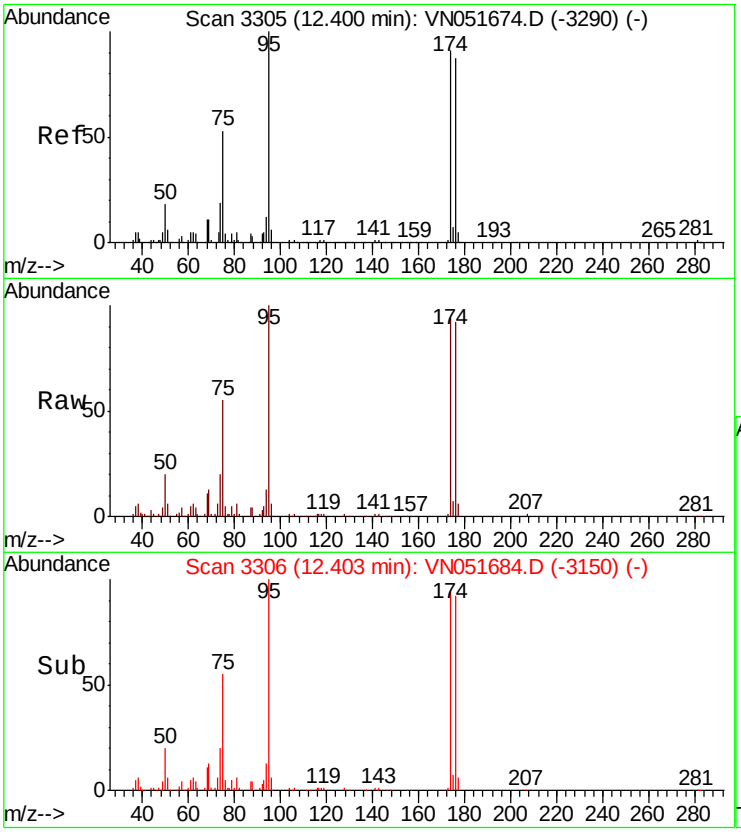


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

Tgt Ion:117 Resp: 440559

Ion	Ratio	Lower	Upper
117	100		
82	51.0	44.1	66.1
119	31.6	25.8	38.8



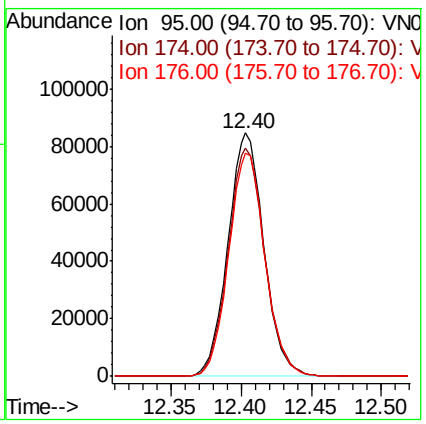


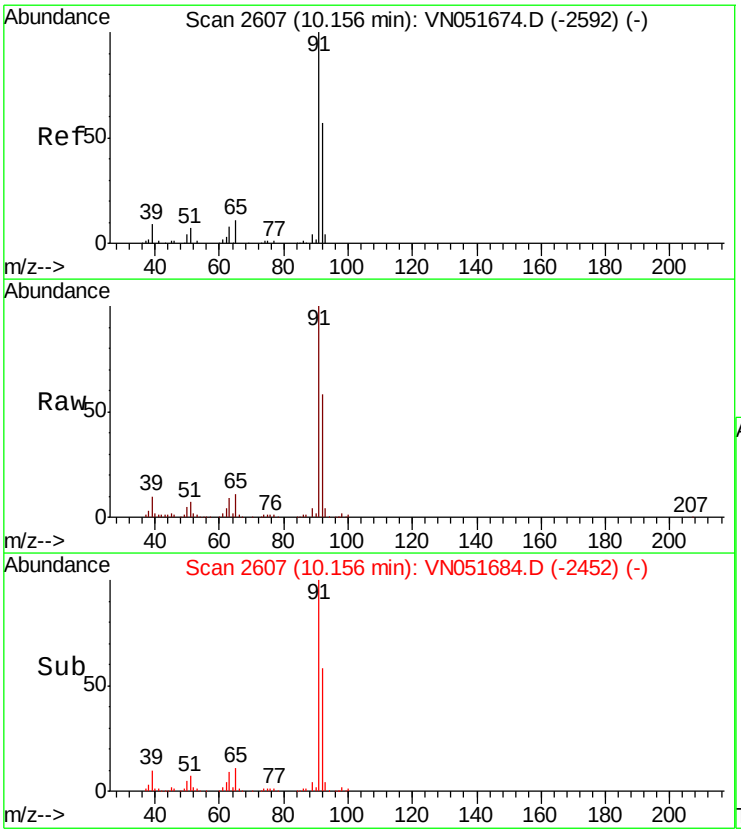
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

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

Tgt Ion: 95 Resp: 150611

Ion	Ratio	Lower	Upper
95	100		
174	95.2	73.5	110.3
176	92.7	70.2	105.2

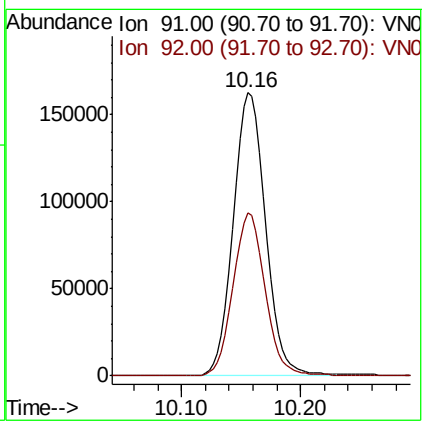


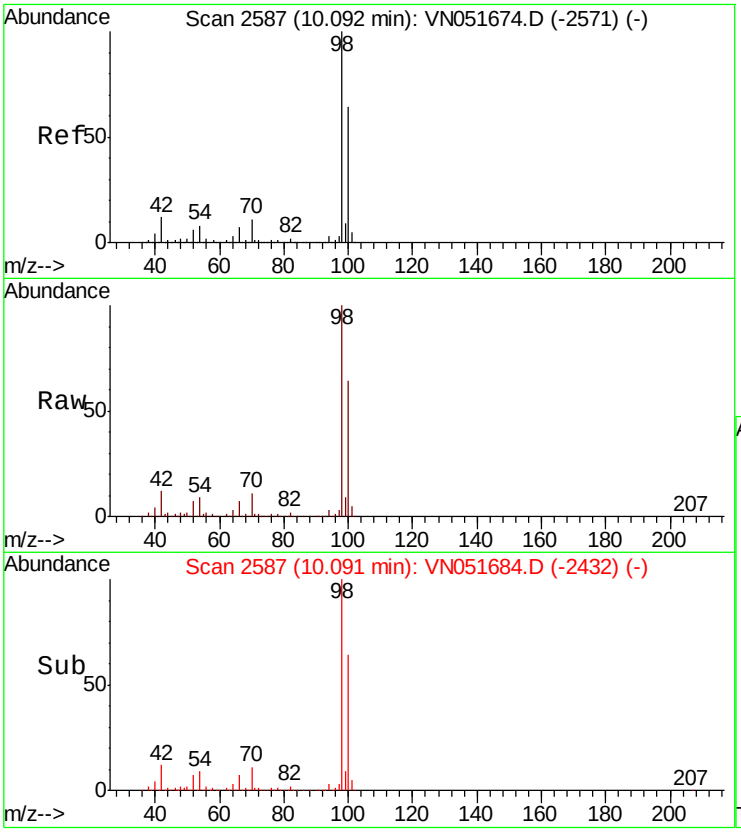


#62
Toluene
Concen: 13.734 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

Tgt Ion: 91 Resp: 306504

Ion	Ratio	Lower	Upper
91	100		
92	57.1	44.6	66.8



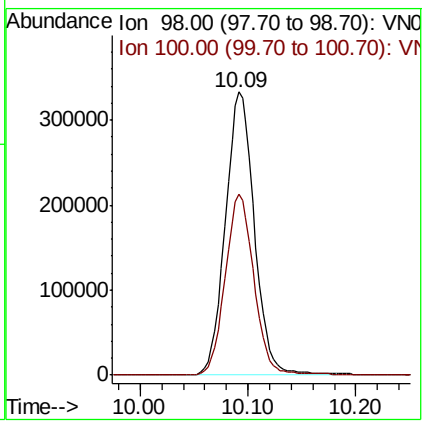


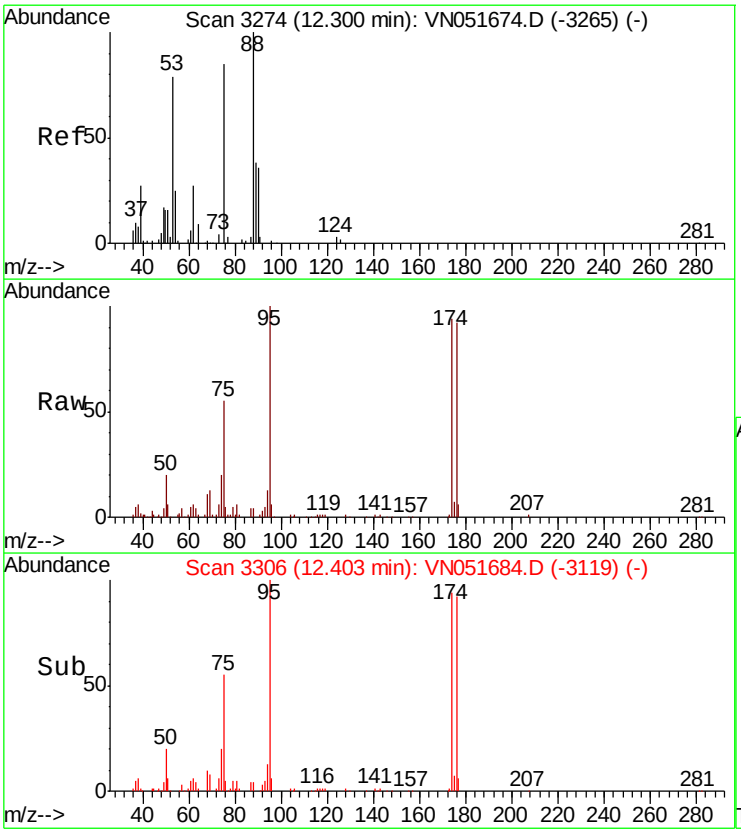
#63
Toluene-d8
Concen: 13.734 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

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

Tgt Ion: 98 Resp: 624517

Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.8	76.2

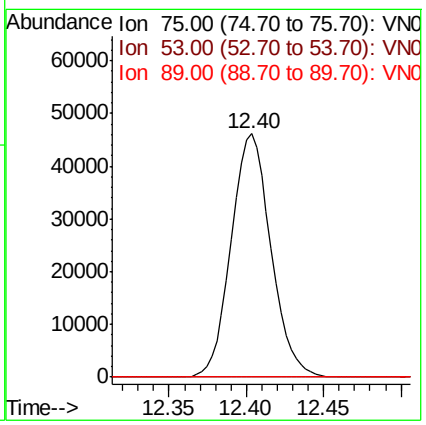


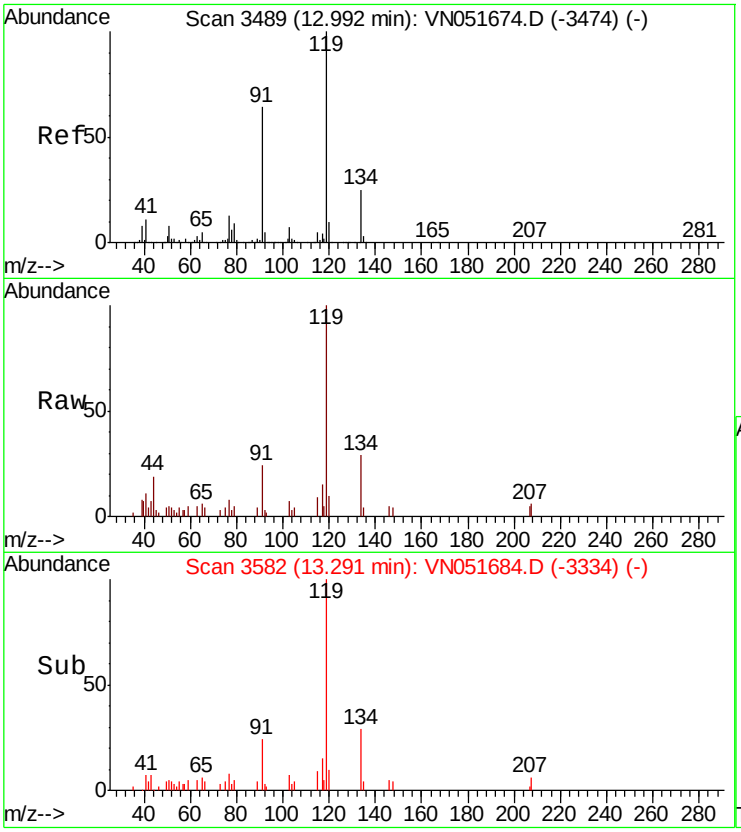


#77
t-1,4-Dichloro-2-butene
Concen: 49.775 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

Tgt Ion: 75 Resp: 82273

Ion	Ratio	Lower	Upper
75	100		
53	0.0	46.3	138.9#
89	0.0	24.6	73.8#



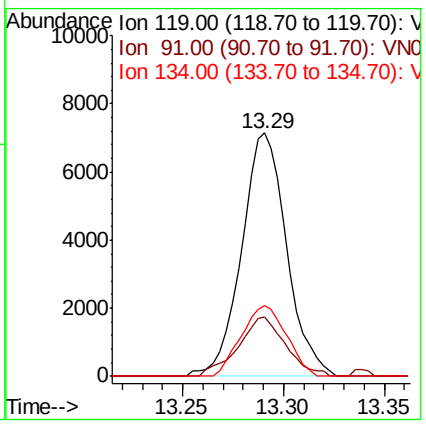


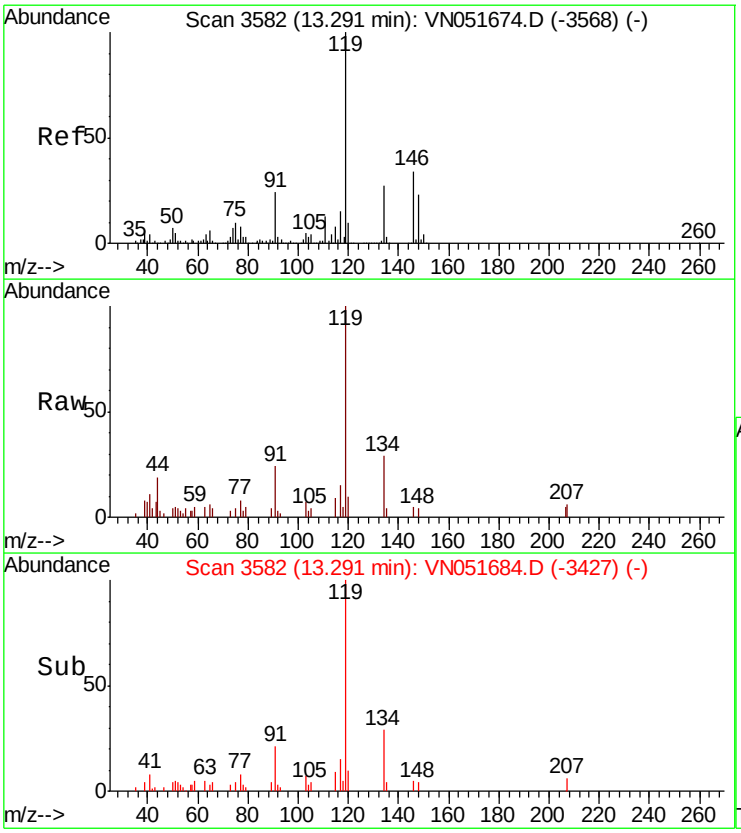
#79
tert-butylbenzene
Concen: 0.551 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.30 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

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

Tgt Ion:119 Resp: 11183

Ion	Ratio	Lower	Upper
119	100		
91	25.3	0.0	131.6
134	29.2	0.0	46.2

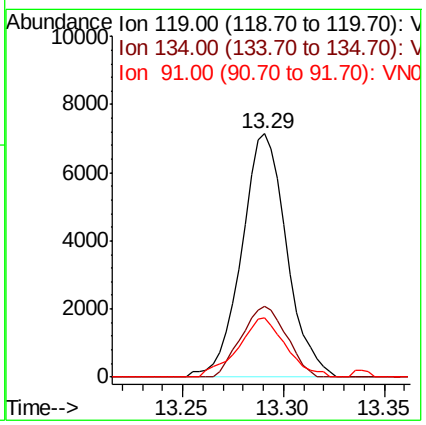


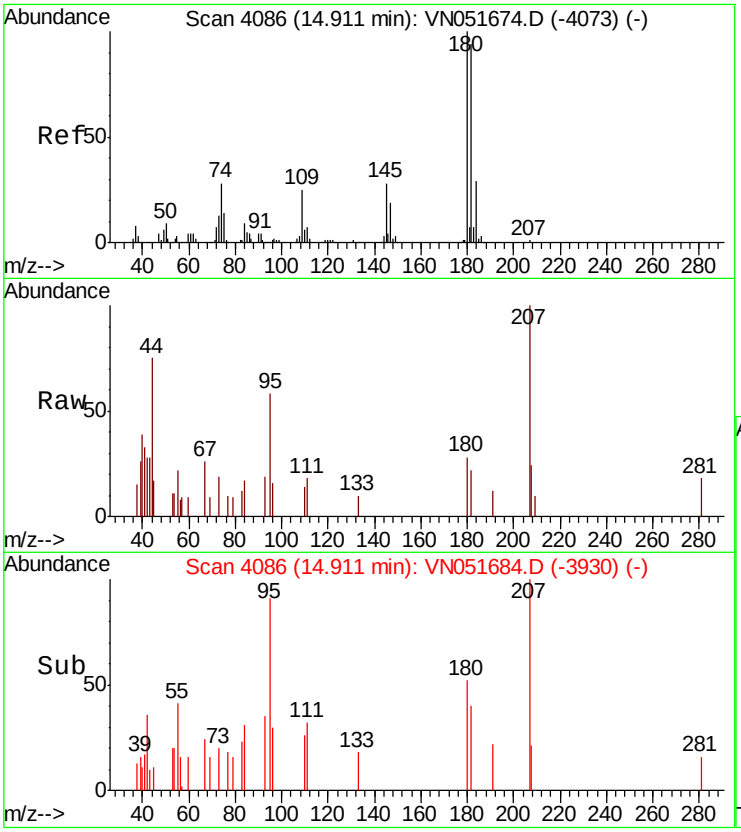


#82
p-Isopropyltoluene
Concen: 0.467 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

Tgt Ion:119 Resp: 11183

Ion	Ratio	Lower	Upper
119	100		
134	29.2	0.0	53.6
91	25.3	0.0	52.0





#89
1,2,4-Trichlorobenzene
Concen: 6.909 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN051684.D
Acq: 5 Oct 2018 14:03

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

Tgt Ion:180 Resp: 531

Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.7	116.5
145	0.0	23.4	35.2#