Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120718\
Data File : VN052734.D
Acq On : 7 Dec 2018 18:31
Operator : MD\SY
Sample : J6307-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : 001M-WILLETS-PT-BLVD(DEC)

Quant Time: Dec 07 22:14:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.48	128	105676	30.00	ug/l		0.29
28) 1,4-Difluorobenzene	8.73	114	609984	30.00	ug/l		0.15
57) Chlorobenzene-d5	11.44	117	525724	30.00	ug/l		0.03
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.34	65	381	0.05	ug/l		0.32
Spiked Amount 30.000	Range 50 - 169		Recovery = 0.17%#				
60) 4-Bromofluorobenzene	12.42	95	233271	29.02	ug/l		0.02
Spiked Amount 30.000	Range 56 - 143		Recovery = 96.73%				
63) Toluene-d8	10.16	98	709147	29.09	ug/l		0.07
Spiked Amount 30.000	Range 66 - 137		Recovery = 96.97%				
Target Compounds							Qvalue
13) Acrolein	3.67	56	167	0.282	ug/l		98
15) Acetone	4.20	58	306273	551.237	ug/l		98
40) Dibromomethane	8.73	93	8706	2.146	ug/l	#	1
41) Bromodichloromethane	9.20	83	2496	0.278	ug/l	#	24
45) 1,4-Dioxane	9.19	88	181	3.559	ug/l	#	32
53) Dibromochloromethane	10.68	129	3765	0.595	ug/l	#	12
56) Bromoform	12.42	173	866	0.209	ug/l	#	1
61) Tetrachloroethene	10.68	164	4089	0.632	ug/l		94
62) Toluene	10.23	91	482304	16.642	ug/l		100
66) Ethyl Benzene	11.54	91	7176	0.230	ug/l		99
67) m/p-Xylenes	11.65	106	3694	0.317	ug/l		92
68) o-Xylene	11.65	106	3694	0.327	ug/l		99
69) Styrene	11.99	104	3773	0.207	ug/l	#	75
70) Isopropylbenzene	12.27	105	12277	0.409	ug/l		96
74) n-propylbenzene	12.61	91	14482	0.414	ug/l		97
80) 1,2,4-Trimethylbenzene	13.07	105	17944	0.739	ug/l		32
82) p-Isopropyltoluene	13.30	119	36656	1.462	ug/l		97
85) n-Butylbenzene	13.62	91	5348	0.248	ug/l		85
86) Hexachloroethane	13.90	117	3980	0.937	ug/l	#	6
88) 1,2-Dibromo-3-Chloropropan	14.22	75	283	0.309	ug/l	#	1
89) 1,2,4-Trichlorobenzene	15.32	180	2297	0.383	ug/l		96
91) Naphthalene	15.14	128	15984	1.321	ug/l		98
92) 1,2,3-Trichlorobenzene	15.32	180	2297	0.416	ug/l		93

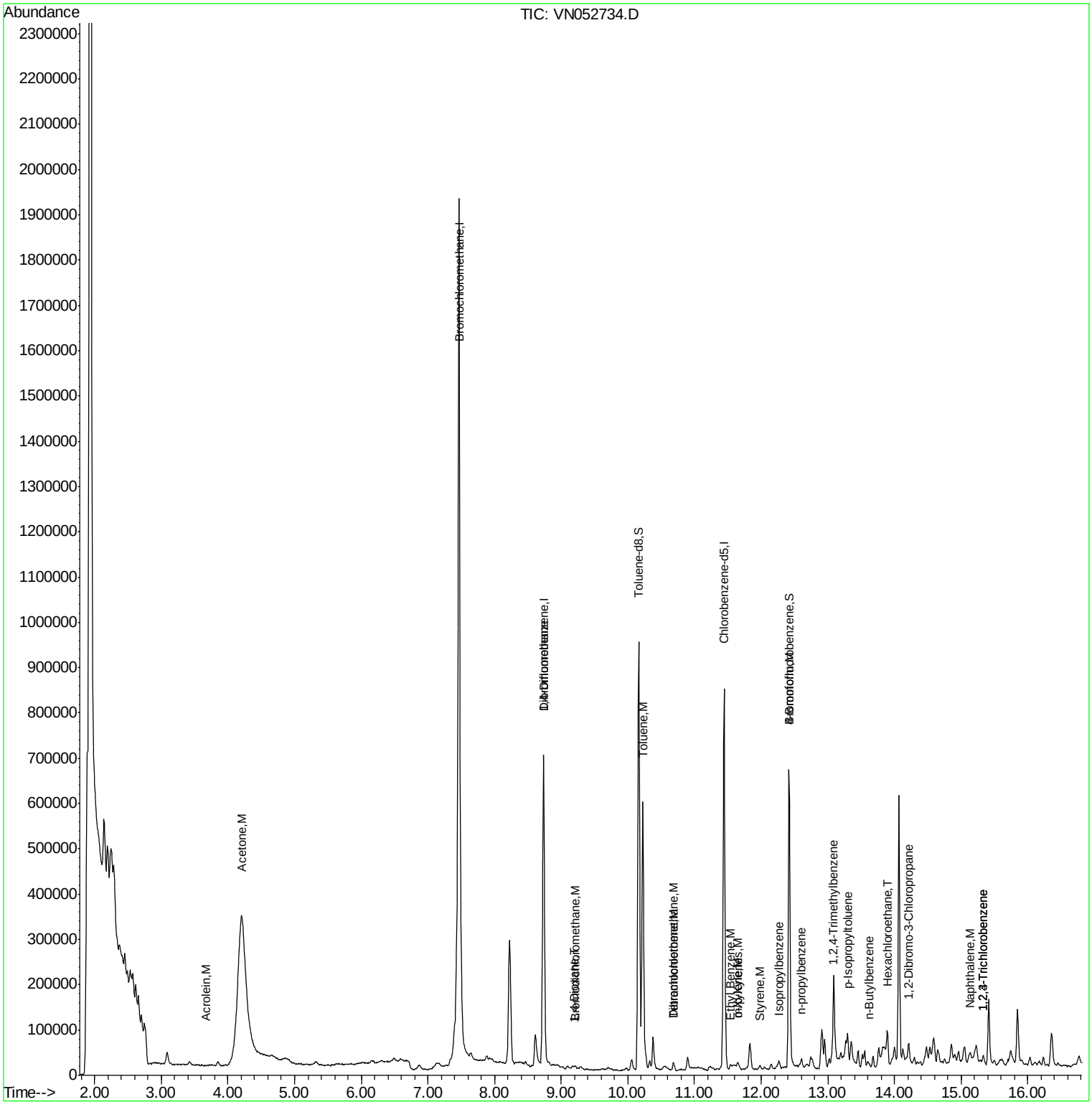
(#) = qualifier out of range (m) = manual integration (+) = signals summed

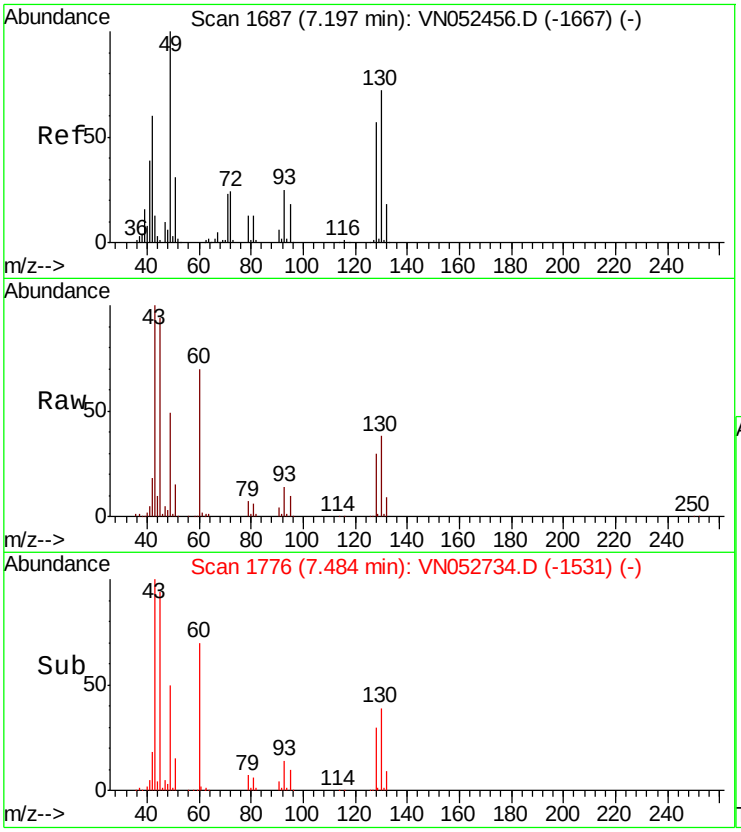
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120718\
Data File : VN052734.D
Acq On : 7 Dec 2018 18:31
Operator : MD\SY
Sample : J6307-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(DEC)

Quant Time: Dec 07 22:14:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration



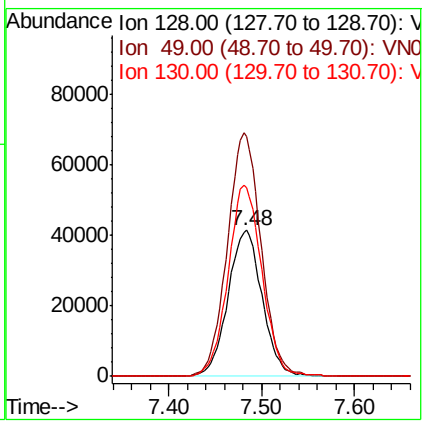


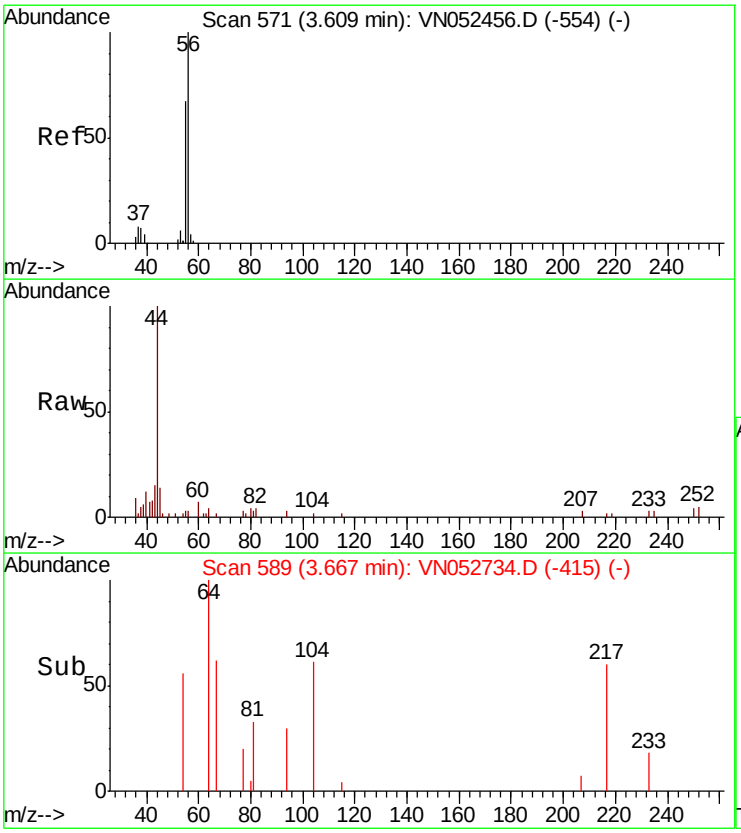
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.48 min Scan# 1776
Delta R.T. 0.29 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(DEC)

Tgt Ion:128 Resp: 105676

Ion	Ratio	Lower	Upper
128	100		
49	164.9	0.0	431.8
130	130.0	0.0	317.0

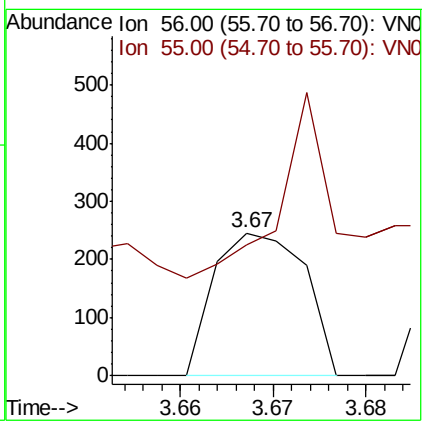


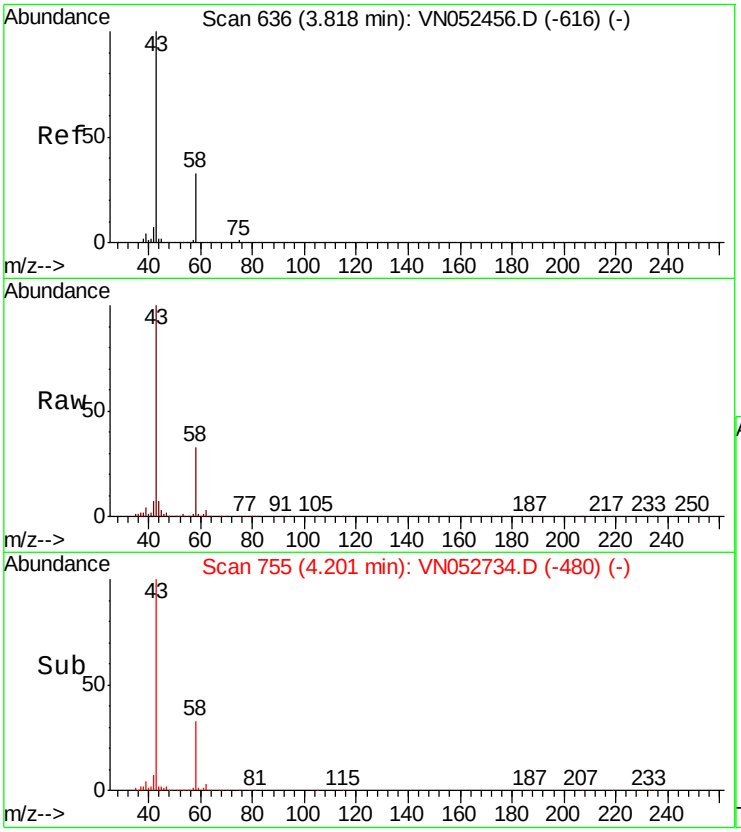


#13
Acrolein
Concen: 0.282 ug/l
RT: 3.67 min Scan# 589
Delta R.T. 0.06 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Tgt Ion: 56 Resp: 167

Ion	Ratio	Lower	Upper
56	100		
55	72.5	56.7	85.1



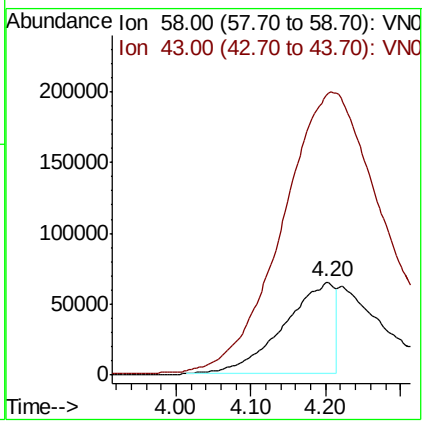


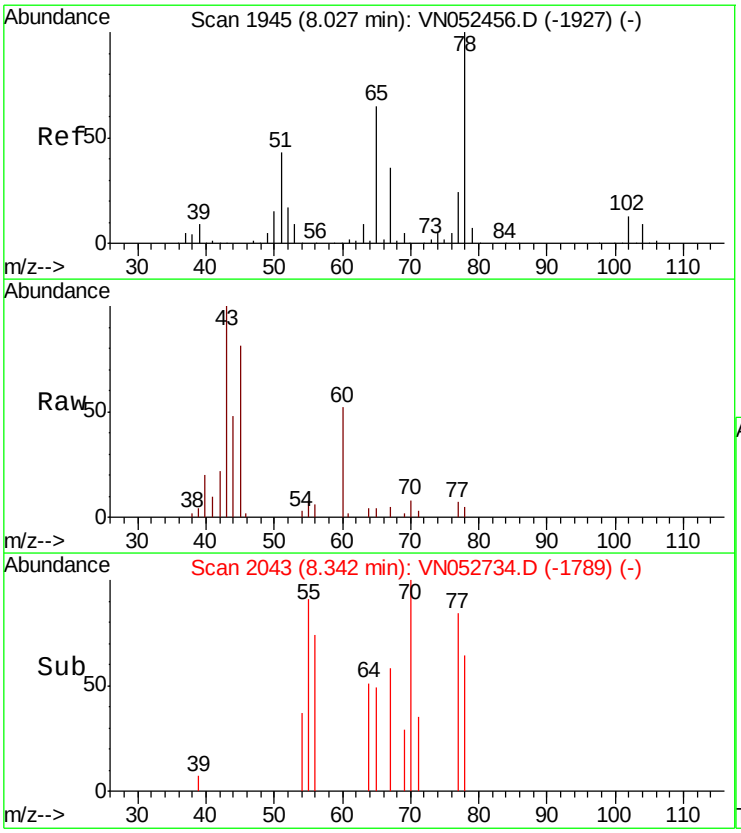
#15
Acetone
Concen: 551.237 ug/l
RT: 4.20 min Scan# 755
Delta R.T. 0.38 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(DEC)

Tgt Ion: 58 Resp: 306273

Ion	Ratio	Lower	Upper
58	100		
43	299.8	243.6	365.4

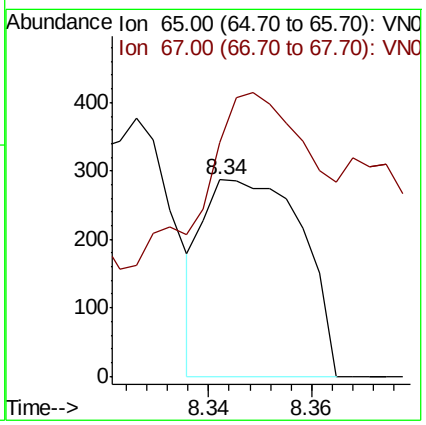


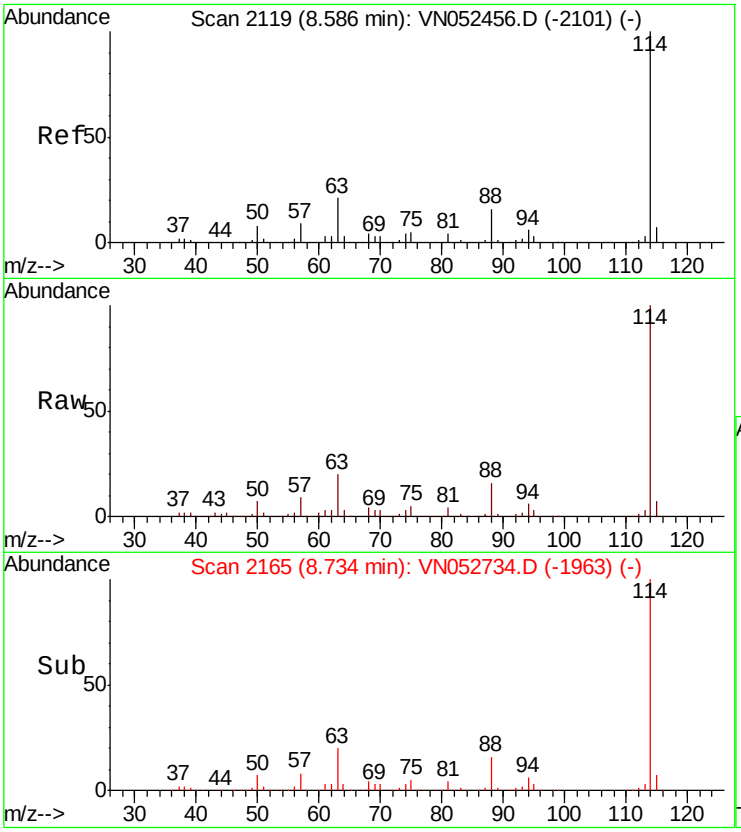


#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.34 min Scan# 2043
Delta R.T. 0.32 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Tgt Ion: 65 Resp: 381

Ion	Ratio	Lower	Upper
65	100		
67	62.7	44.6	66.8



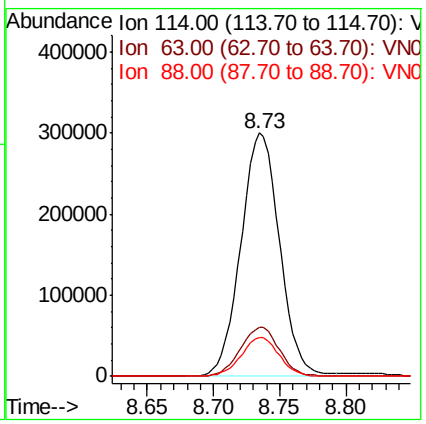


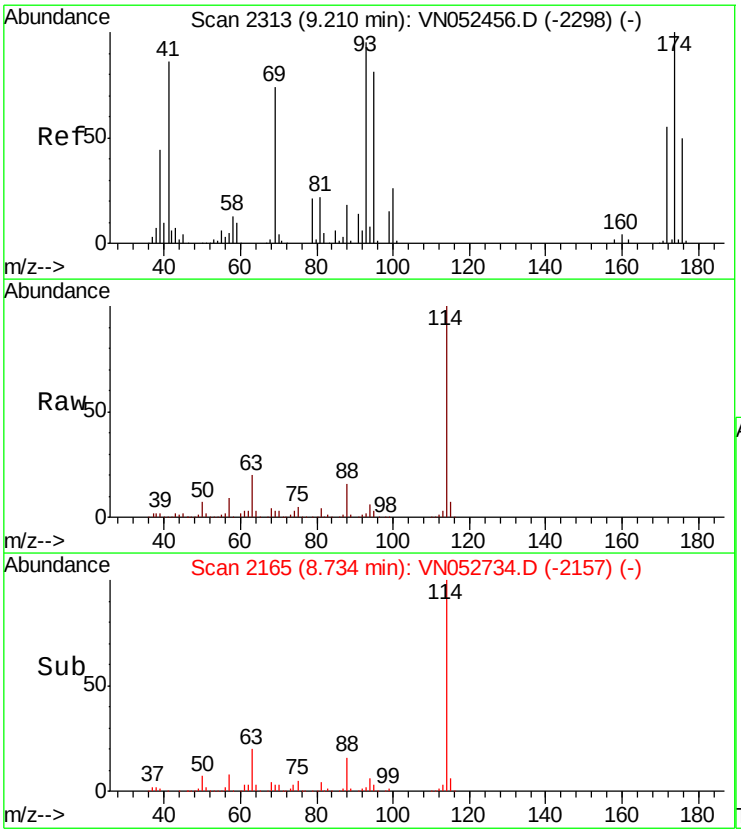
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.73 min Scan# 2165
Delta R.T. 0.15 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(DEC)

Tgt Ion:114 Resp: 609984

Ion	Ratio	Lower	Upper
114	100		
63	20.3	16.9	25.3
88	15.8	12.8	19.2

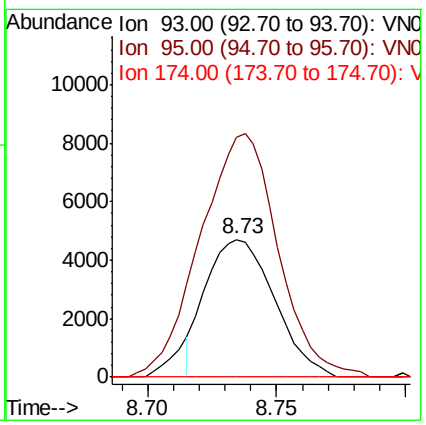


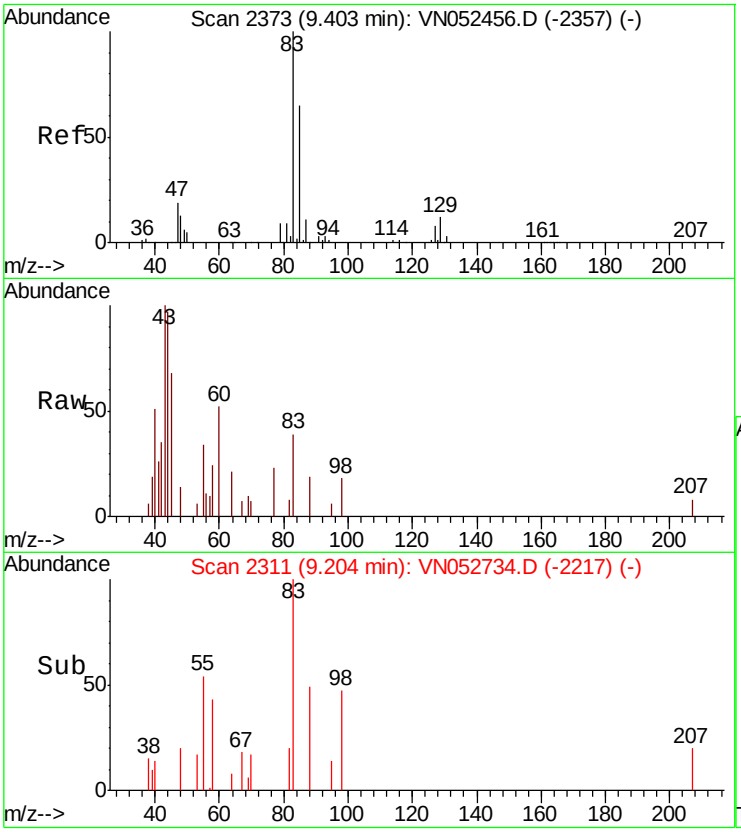


#40
Dibromomethane
Concen: 2.146 ug/l
RT: 8.73 min Scan# 2165
Delta R.T. -0.48 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Tgt Ion: 93 Resp: 8706

Ion	Ratio	Lower	Upper
93	100		
95	182.1	0.0	168.4#
174	0.0	0.0	210.0



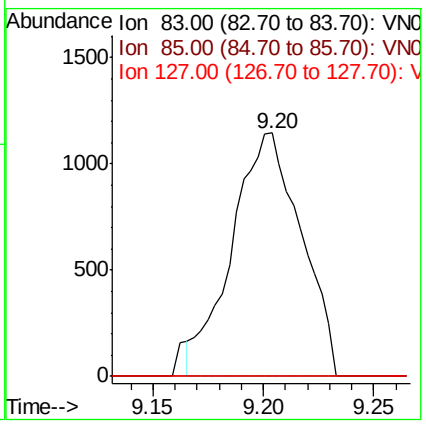


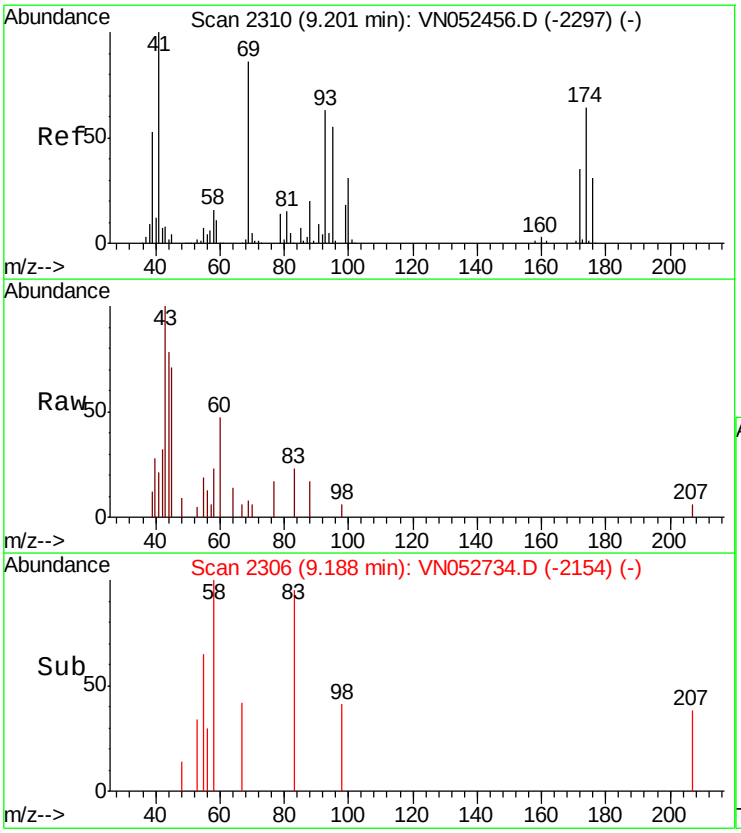
#41
Bromodichloromethane
Concen: 0.278 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.20 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(DEC)

Tgt Ion: 83 Resp: 2496

Ion	Ratio	Lower	Upper
83	100		
85	0.0	52.4	78.6#
127	0.0	6.6	9.8#

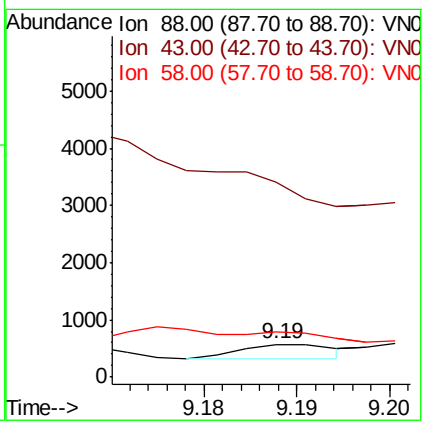


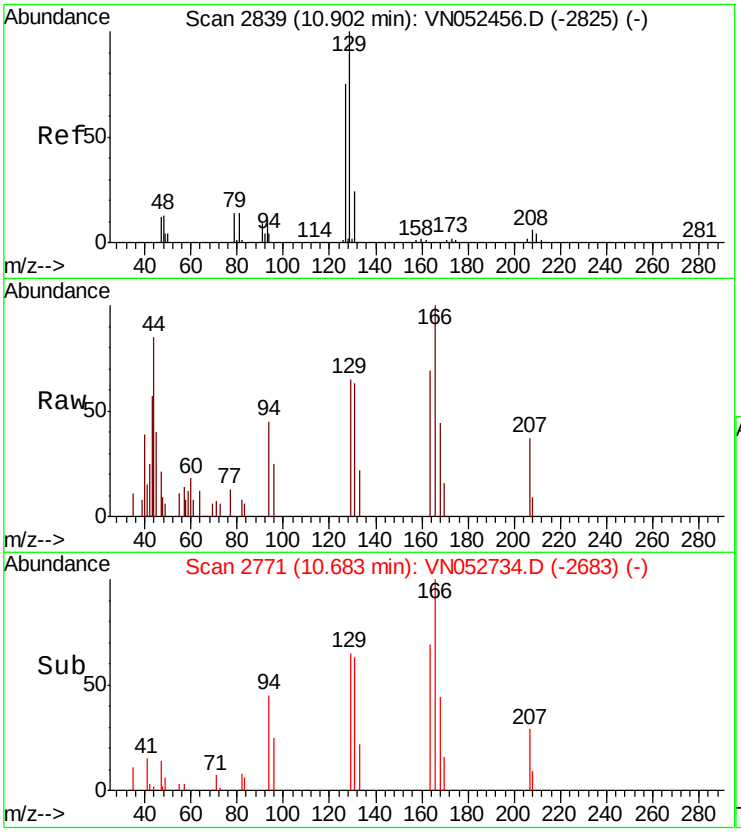


#45
1,4-Dioxane
Concen: 3.559 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.01 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Tgt Ion: 88 Resp: 181

Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.5	44.3#
58	138.7	61.5	92.3#



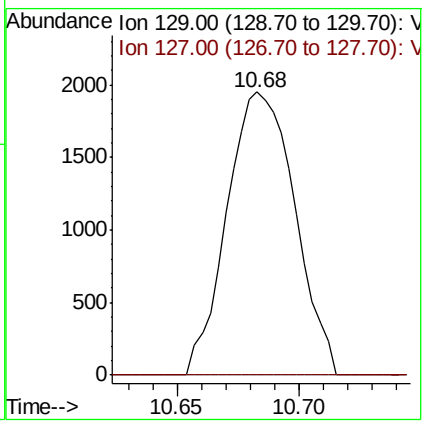


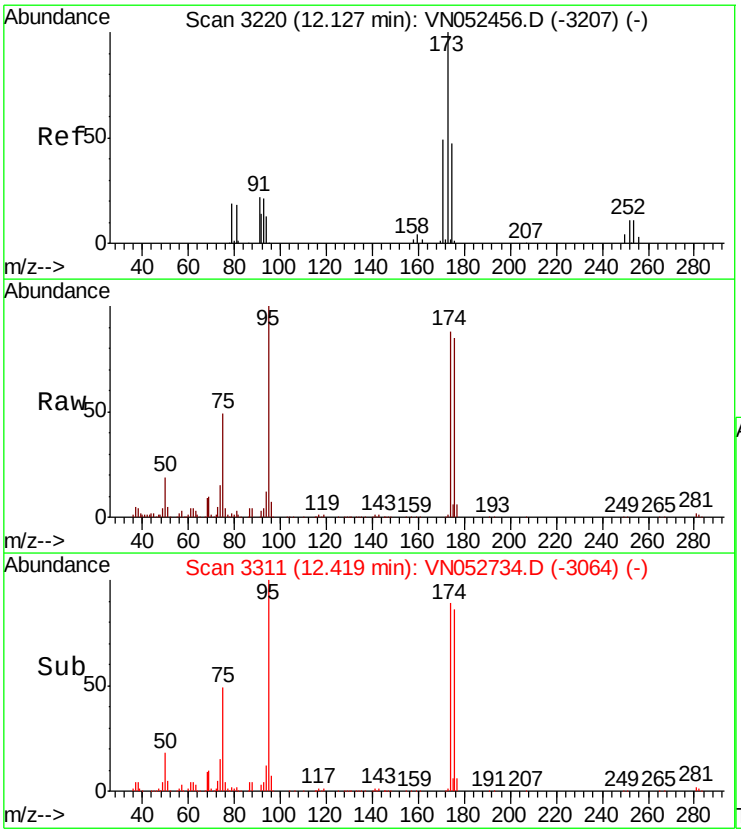
#53
Dibromochloromethane
Concen: 0.595 ug/l
RT: 10.68 min Scan# 2771
Delta R.T. -0.22 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(DEC)

Tgt Ion:129 Resp: 3765

Ion	Ratio	Lower	Upper
129	100		
127	0.0	37.6	112.8#

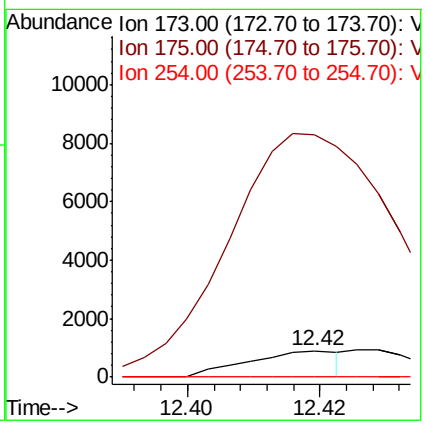


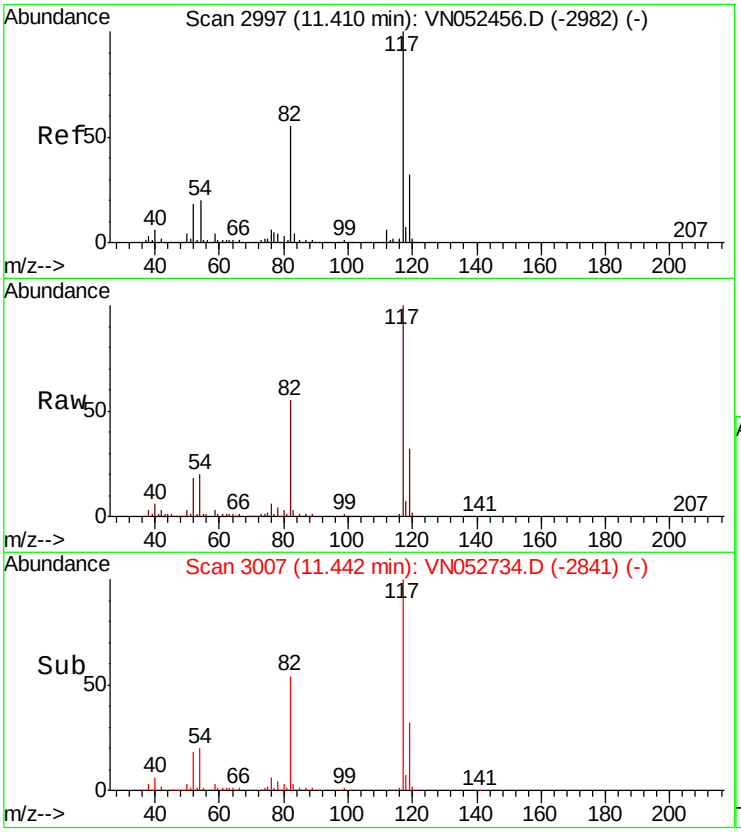


#56
Bromoform
Concen: 0.209 ug/l
RT: 12.42 min Scan# 3311
Delta R.T. 0.29 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Tgt Ion:173 Resp: 866

Ion	Ratio	Lower	Upper
173	100		
175	1750.2	38.7	58.1#
254	0.0	8.4	12.6#



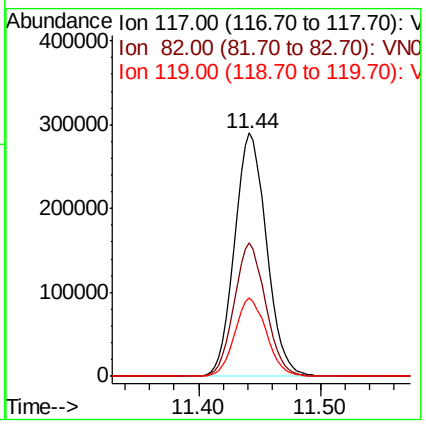


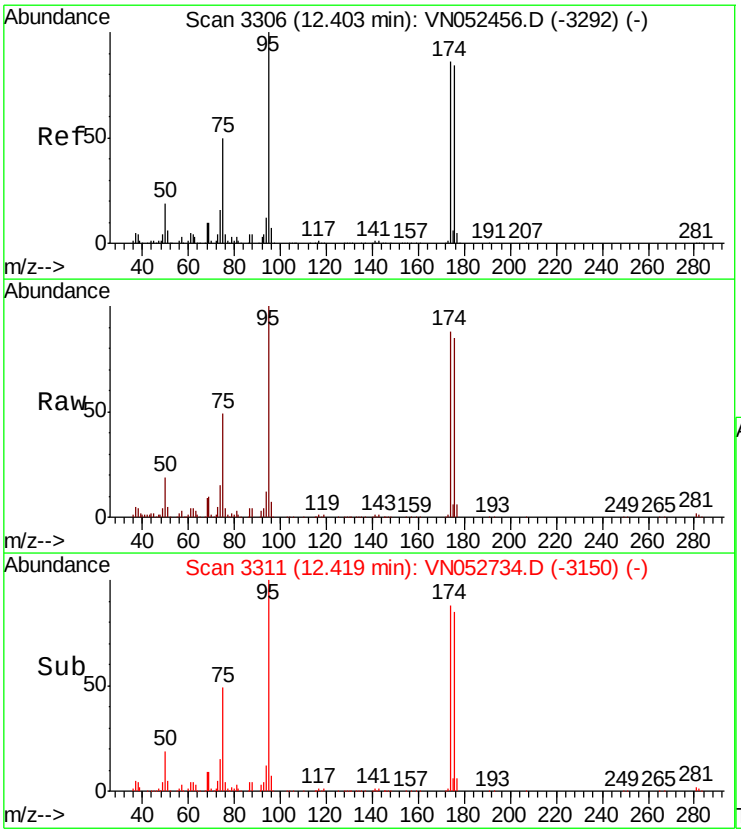
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.44 min Scan# 3007
Delta R.T. 0.03 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(DEC)

Tgt Ion:117 Resp: 525724

Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.2	66.2
119	31.8	25.4	38.2

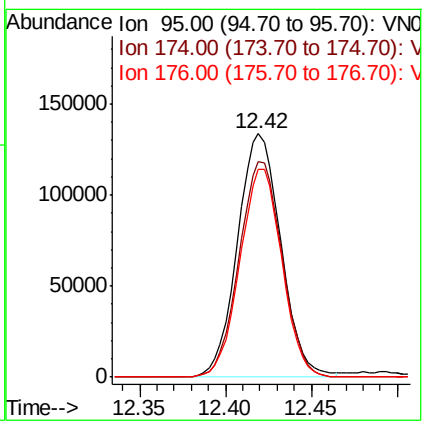


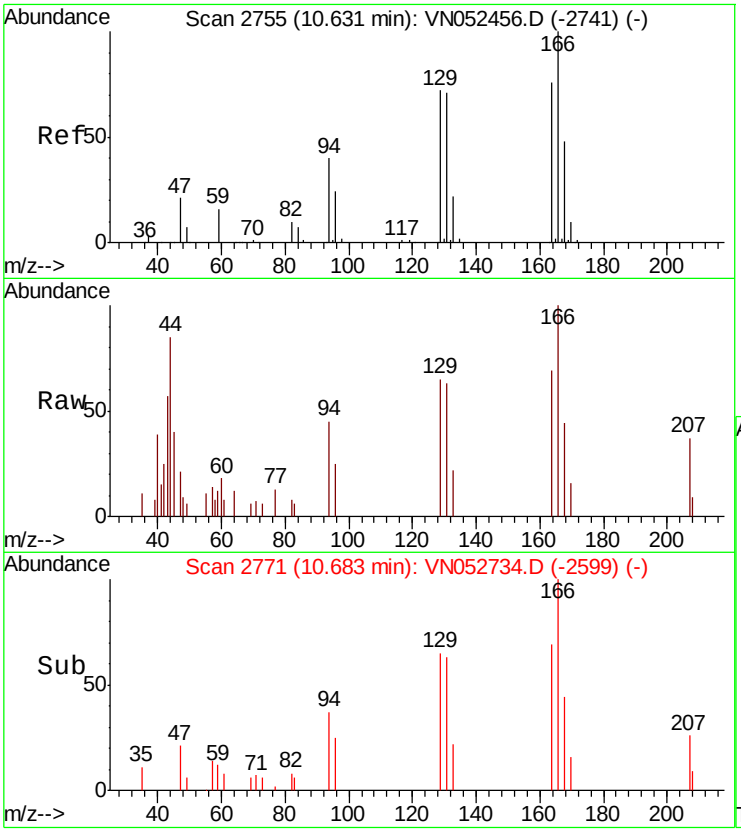


#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.42 min Scan# 3311
Delta R.T. 0.02 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Tgt Ion: 95 Resp: 233271

Ion	Ratio	Lower	Upper
95	100		
174	88.0	67.9	101.9
176	83.2	66.4	99.6



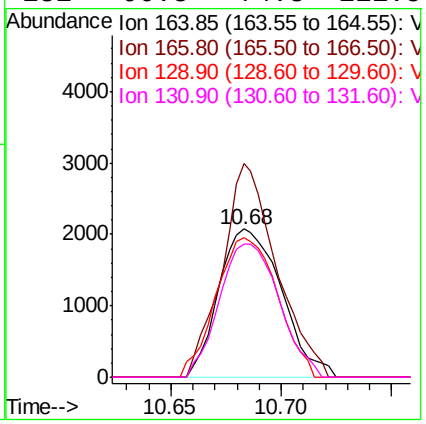


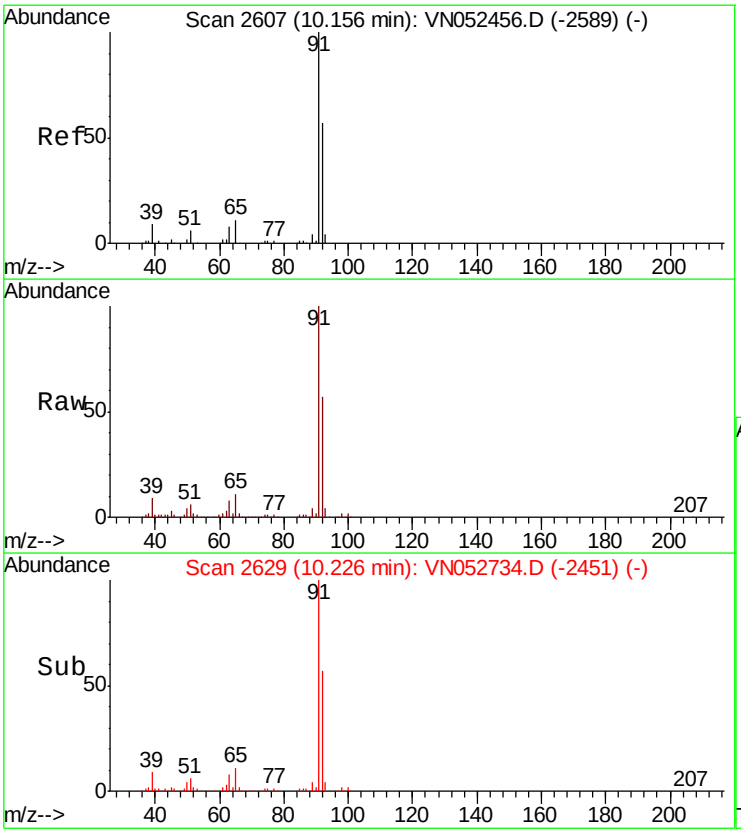
#61
Tetrachloroethene
Concen: 0.632 ug/l
RT: 10.68 min Scan# 2771
Delta R.T. 0.05 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(DEC)

Tgt Ion:164 Resp: 4089

Ion	Ratio	Lower	Upper
164	100		
166	144.2	104.6	157.0
129	94.0	75.3	112.9
131	90.3	74.3	111.5

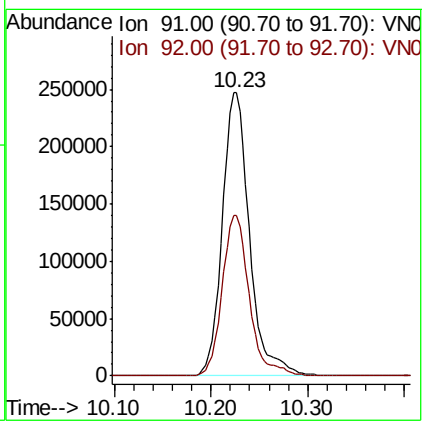


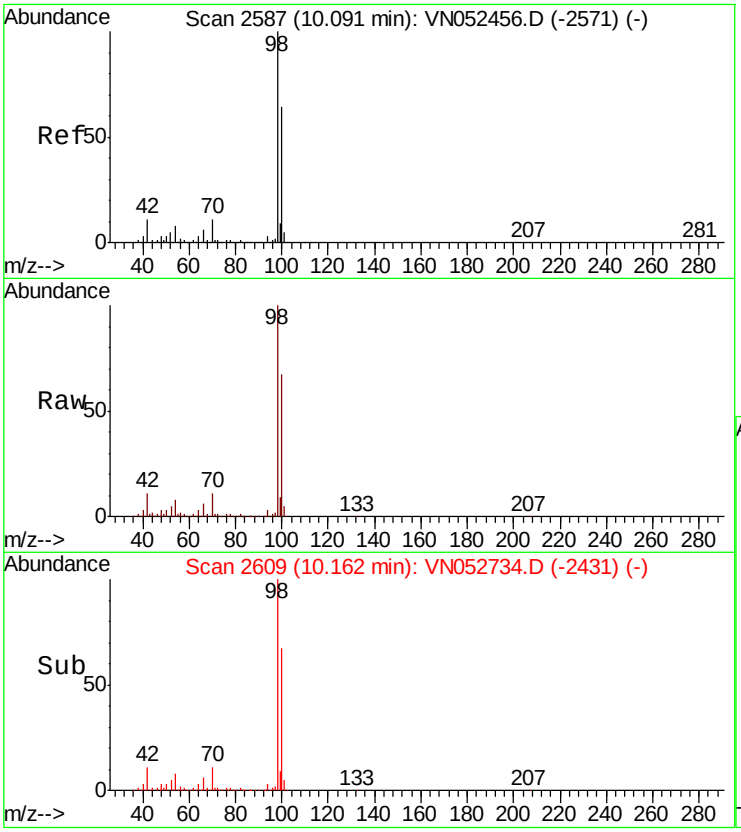


#62
Toluene
Concen: 16.642 ug/l
RT: 10.23 min Scan# 2629
Delta R.T. 0.07 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Tgt Ion: 91 Resp: 482304

Ion	Ratio	Lower	Upper
91	100		
92	56.9	45.4	68.2



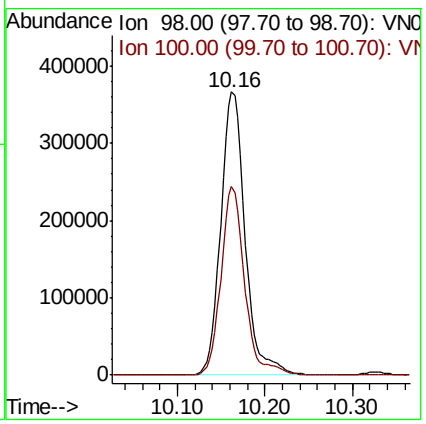


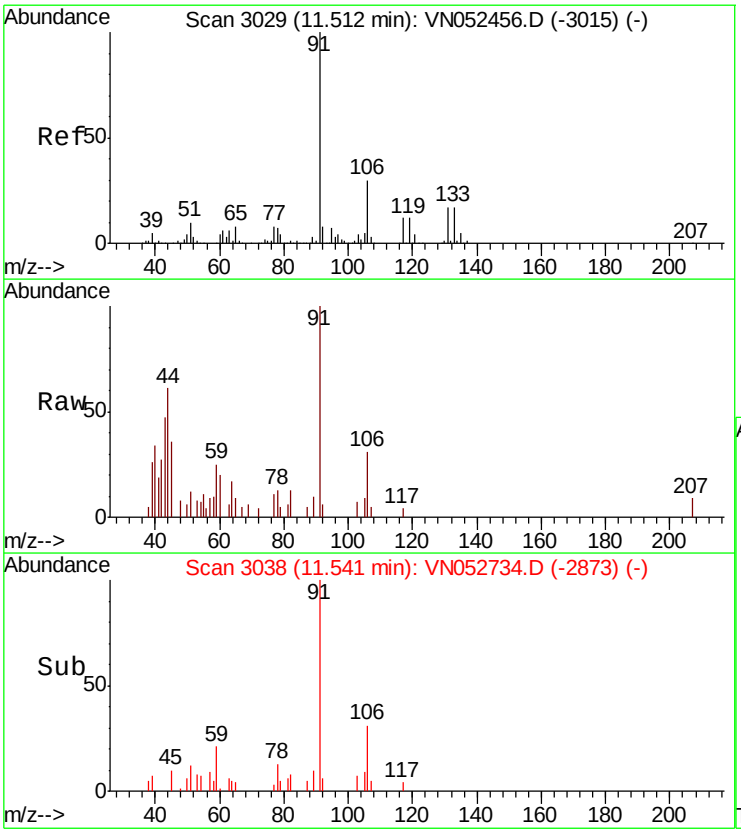
#63
Toluene-d8
Concen: 16.642 ug/l
RT: 10.16 min Scan# 2609
Delta R.T. 0.07 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(DEC)

Tgt Ion: 98 Resp: 709147

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.1	76.7

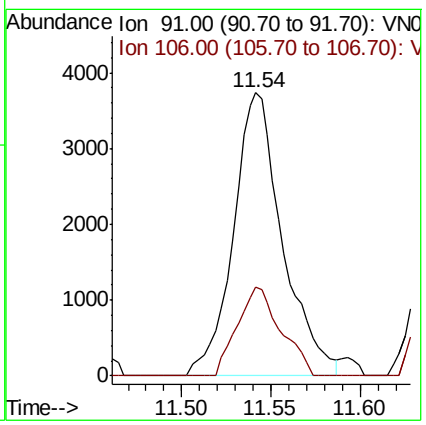


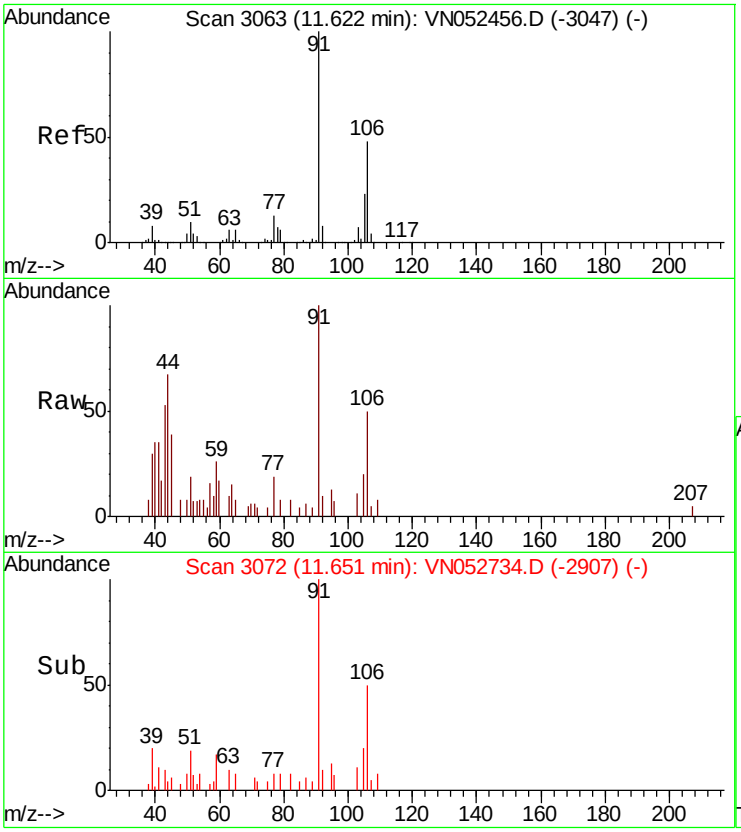


#66
Ethyl Benzene
Concen: 0.230 ug/l
RT: 11.54 min Scan# 3038
Delta R.T. 0.03 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Tgt Ion: 91 Resp: 7176

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.3	36.5



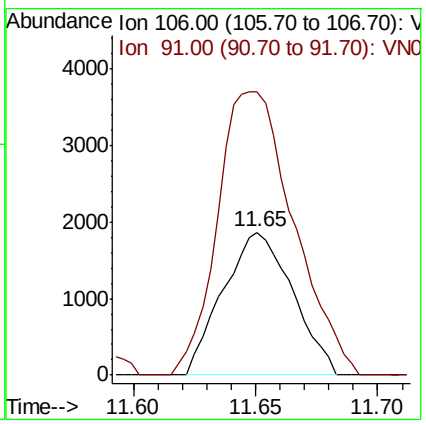


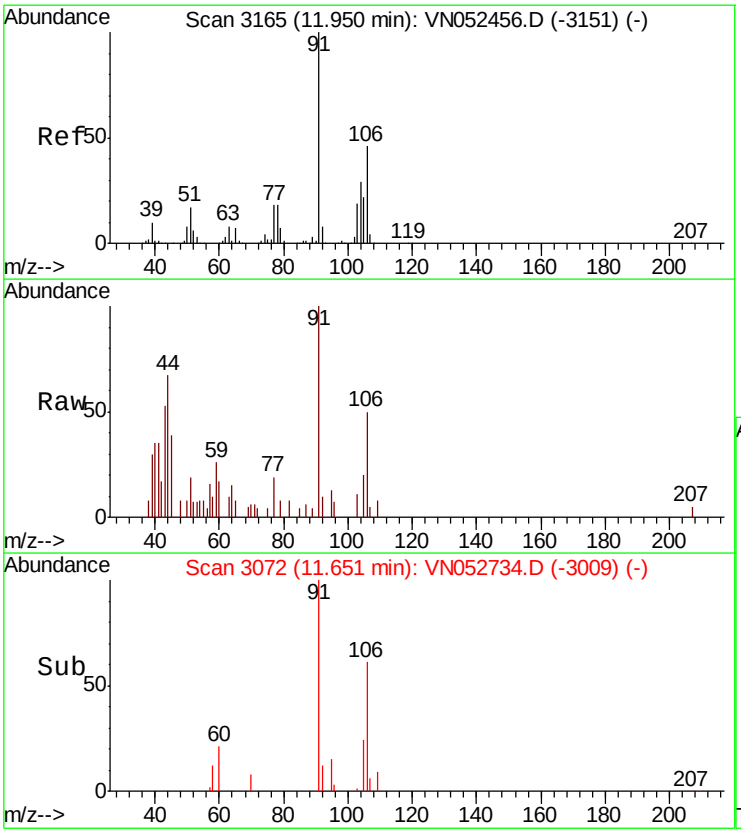
#67
m/p-Xylenes
Concen: 0.317 ug/l
RT: 11.65 min Scan# 3072
Delta R.T. 0.03 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(DEC)

Tgt Ion:106 Resp: 3694

Ion	Ratio	Lower	Upper
106	100		
91	217.2	163.9	245.9

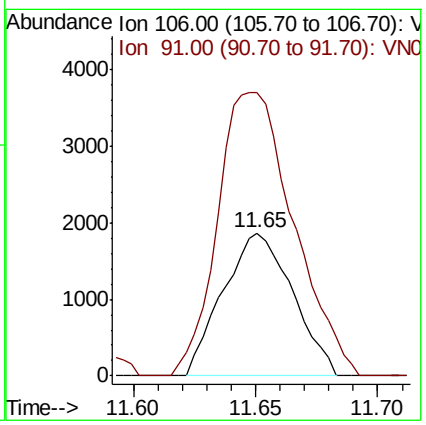


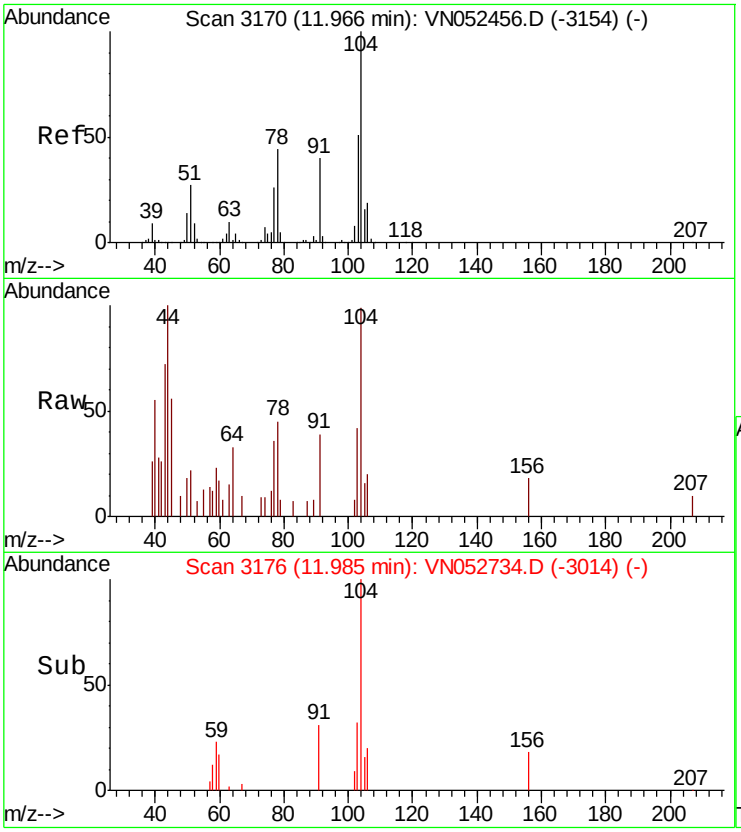


#68
o-Xylene
Concen: 0.327 ug/l
RT: 11.65 min Scan# 3072
Delta R.T. -0.30 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Tgt Ion:106 Resp: 3694

Ion	Ratio	Lower	Upper
106	100		
91	217.2	107.8	323.4



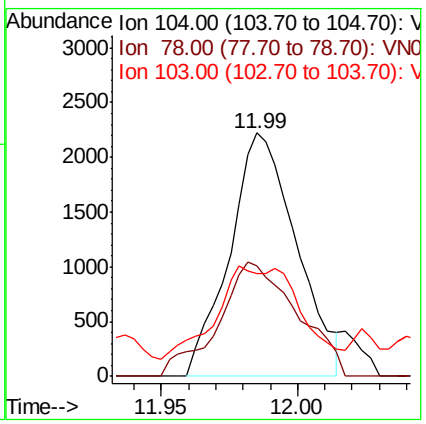


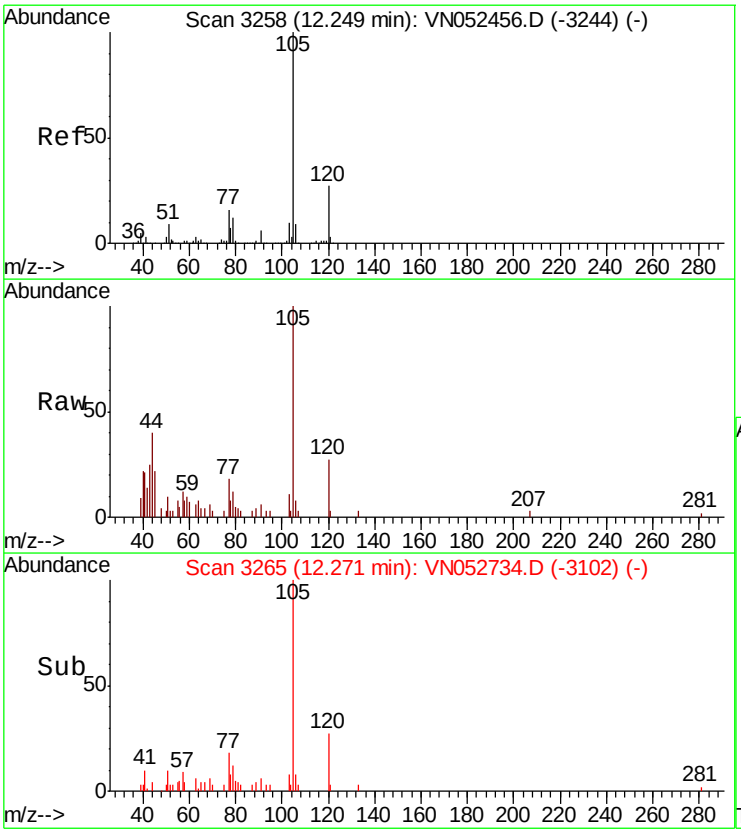
#69
Stvrene
Concen: 0.207 ug/l
RT: 11.99 min Scan# 3176
Delta R.T. 0.02 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(DEC)

Tgt Ion:104 Resp: 3773

Ion	Ratio	Lower	Upper
104	100		
78	55.4	39.3	58.9
103	28.0	44.6	66.8#

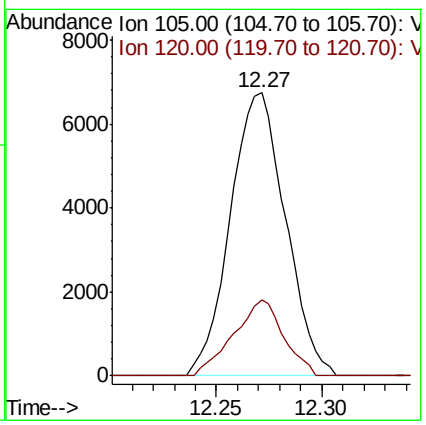


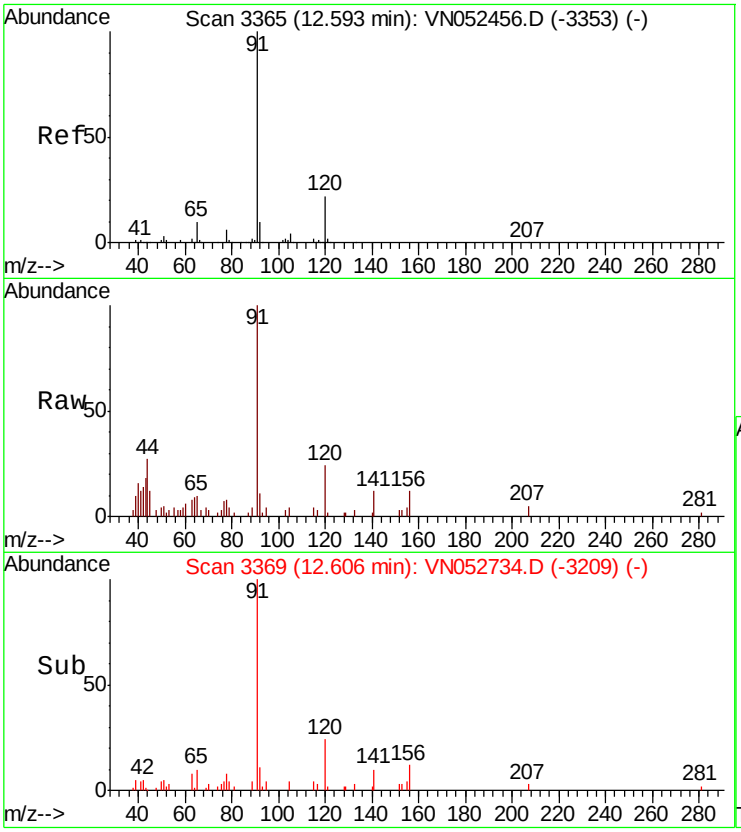


#70
Isopropylbenzene
Concen: 0.409 ug/l
RT: 12.27 min Scan# 3265
Delta R.T. 0.02 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Tgt Ion:105 Resp: 12277

Ion	Ratio	Lower	Upper
105	100		
120	24.3	18.6	34.6



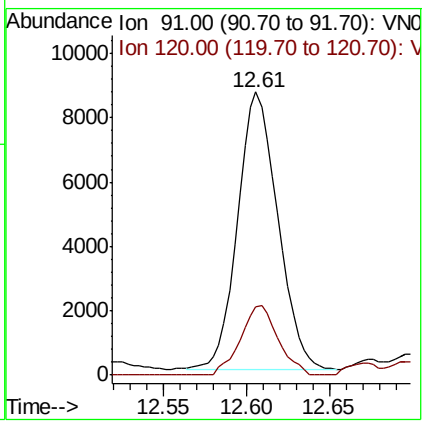


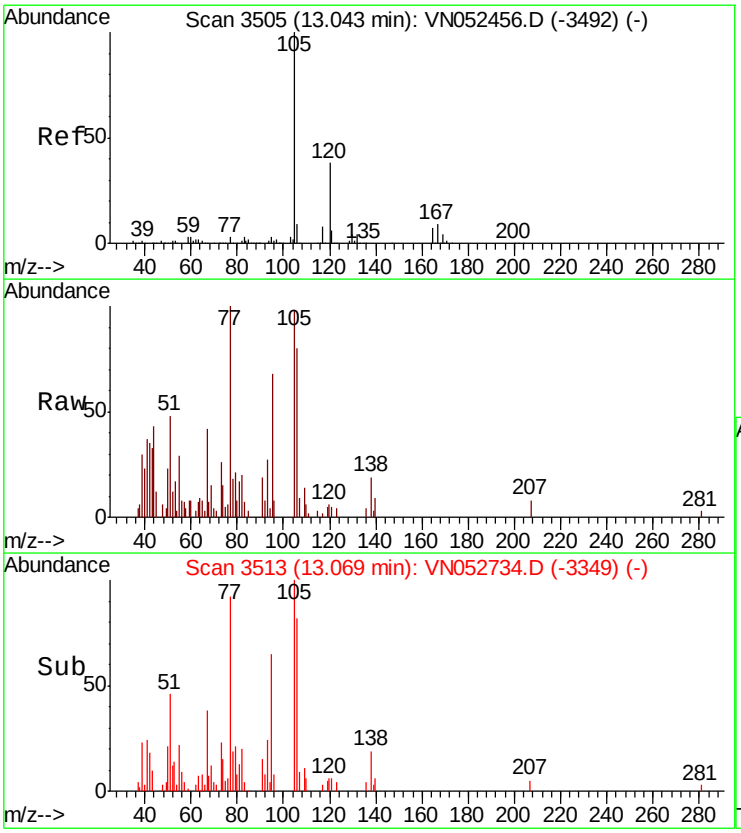
#74
n-propylbenzene
Concen: 0.414 ug/l
RT: 12.61 min Scan# 3369
Delta R.T. 0.01 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(DEC)

Tgt Ion: 91 Resp: 14482

Ion	Ratio	Lower	Upper
91	100		
120	23.5	0.0	44.6

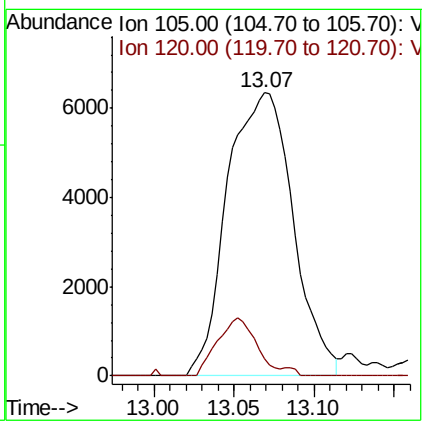


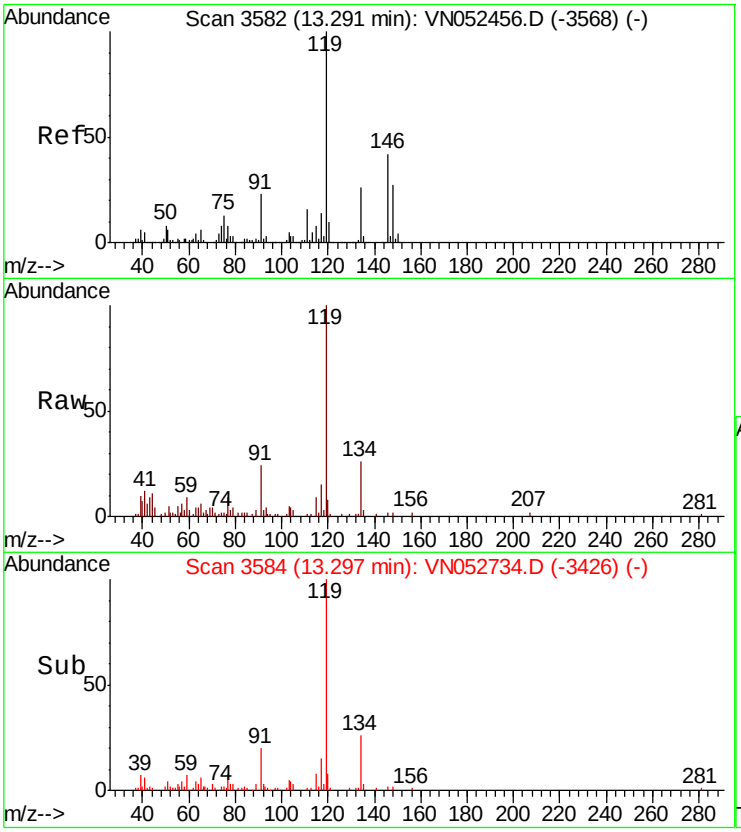


#80
1,2,4-Trimethylbenzene
Concen: 0.739 ug/l
RT: 13.07 min Scan# 3513
Delta R.T. 0.03 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Tgt Ion:105 Resp: 17944

Ion	Ratio	Lower	Upper
105	100		
120	0.6	0.0	91.0



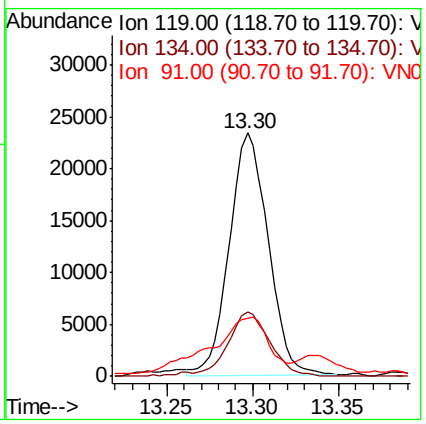


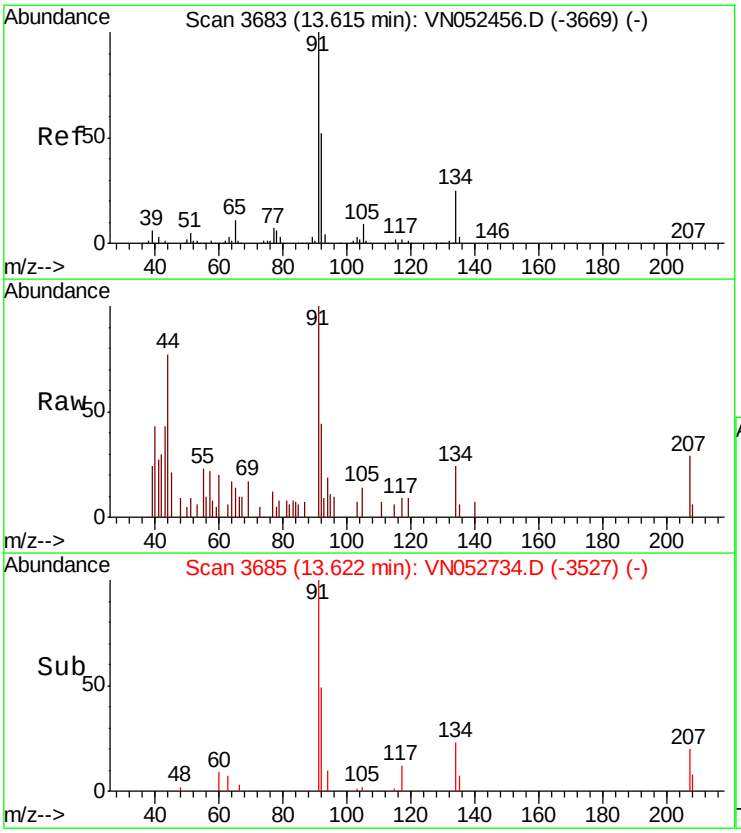
#82
p-Isopropyltoluene
Concen: 1.462 ug/l
RT: 13.30 min Scan# 3584
Delta R.T. 0.01 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(DEC)

Tgt Ion:119 Resp: 36656

Ion	Ratio	Lower	Upper
119	100		
134	28.3	0.0	52.6
91	24.3	0.0	46.2

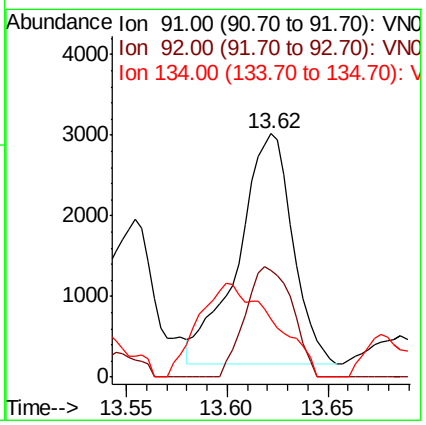


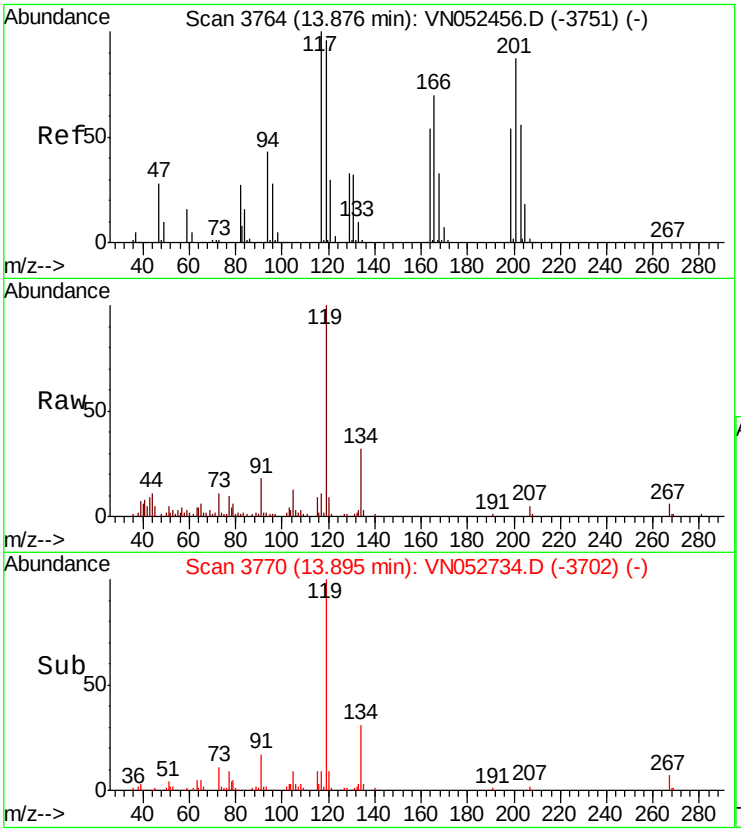


#85
n-Butylbenzene
Concen: 0.248 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.01 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Tgt Ion: 91 Resp: 5348

Ion	Ratio	Lower	Upper
91	100		
92	42.1	0.0	104.2
134	34.0	0.0	50.6



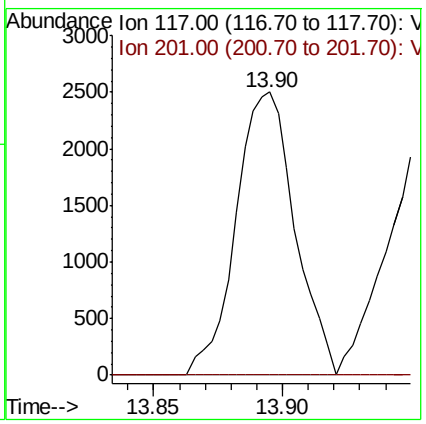


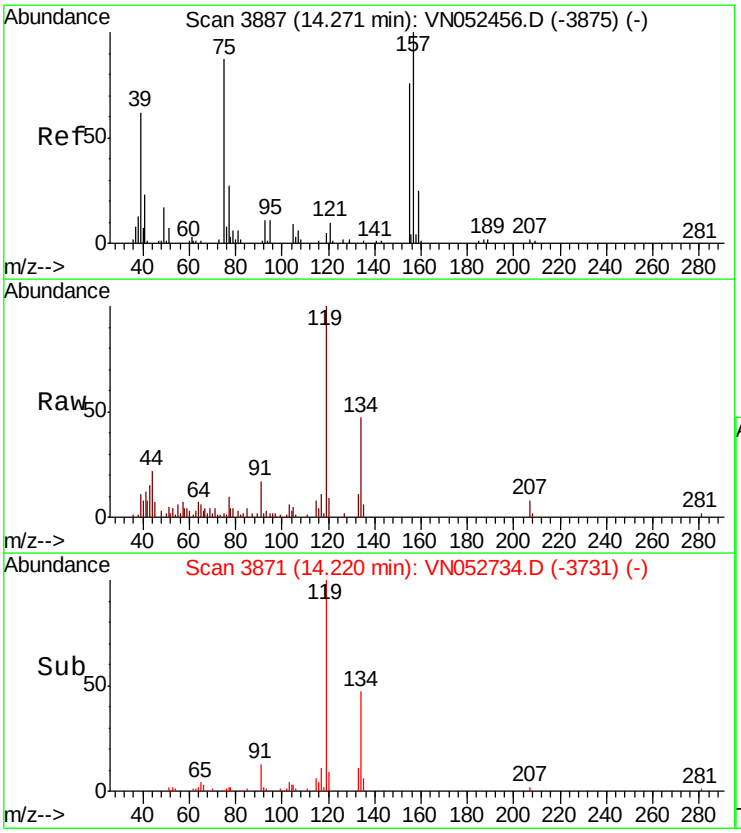
#86
Hexachloroethane
Concen: 0.937 ug/l
RT: 13.90 min Scan# 3770
Delta R.T. 0.02 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(DEC)

Tgt Ion:117 Resp: 3980

Ion	Ratio	Lower	Upper
117	100		
201	0.0	43.8	131.3#

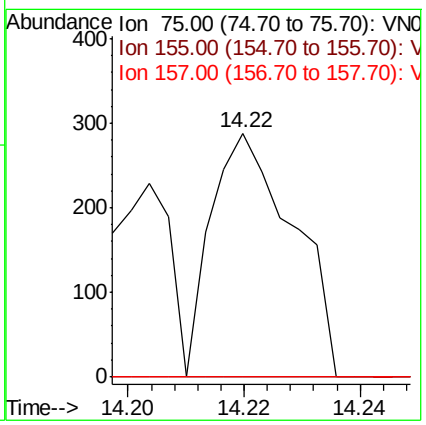


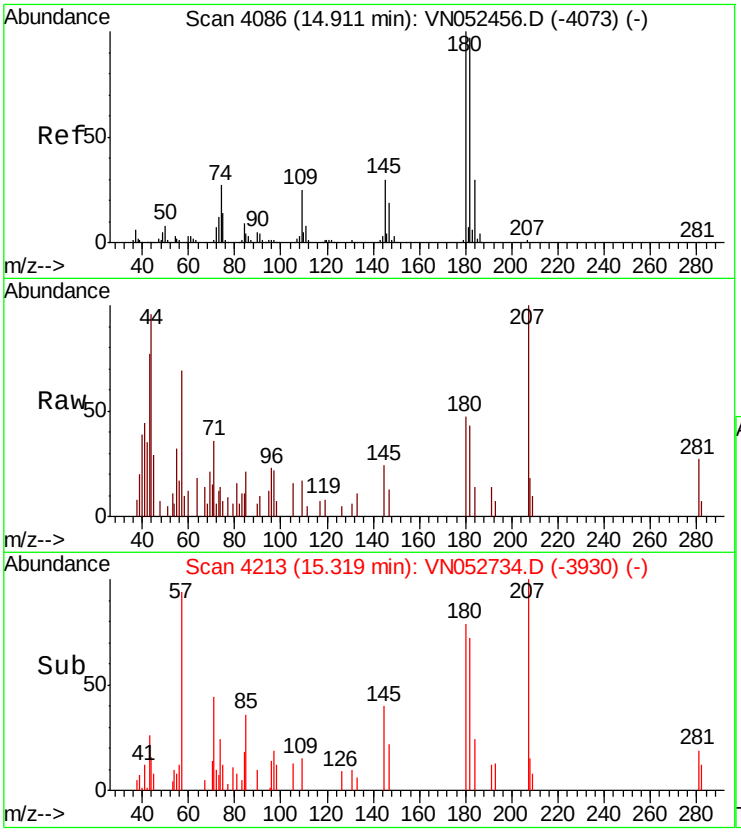


#88
1,2-Dibromo-3-Chloropropane
Concen: 0.309 ug/l
RT: 14.22 min Scan# 3871
Delta R.T. -0.05 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Tgt Ion: 75 Resp: 283

Ion	Ratio	Lower	Upper
75	100		
155	0.0	72.2	108.2#
157	0.0	94.2	141.2#



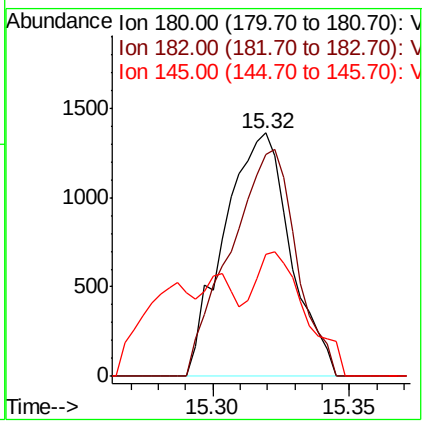


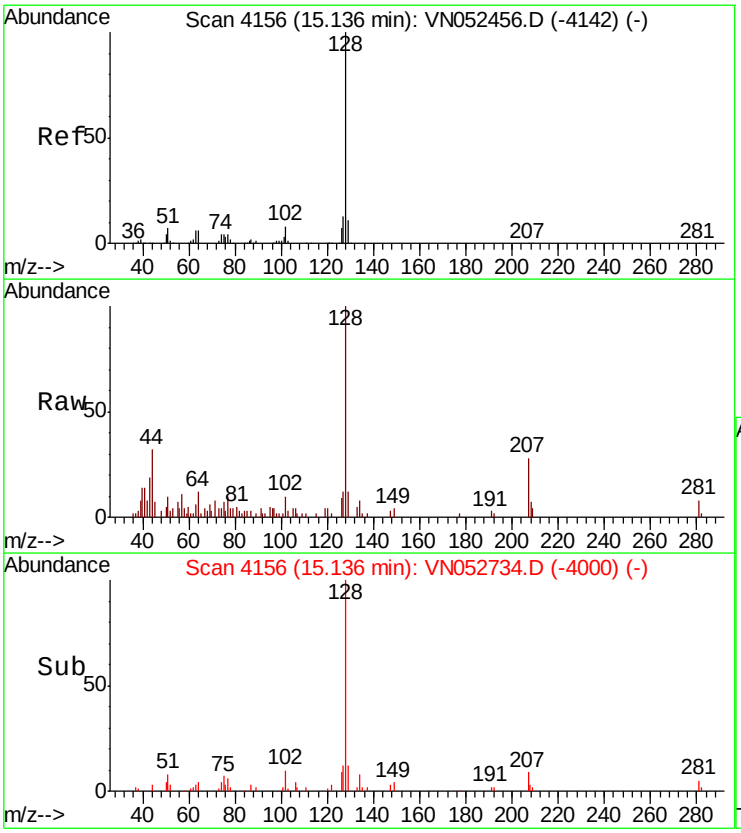
#89
1,2,4-Trichlorobenzene
Concen: 0.383 ug/l
RT: 15.32 min Scan# 4213
Delta R.T. 0.41 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(DEC)

Tgt Ion:180 Resp: 2297

Ion	Ratio	Lower	Upper
180	100		
182	92.8	76.6	114.8
145	25.3	23.6	35.4

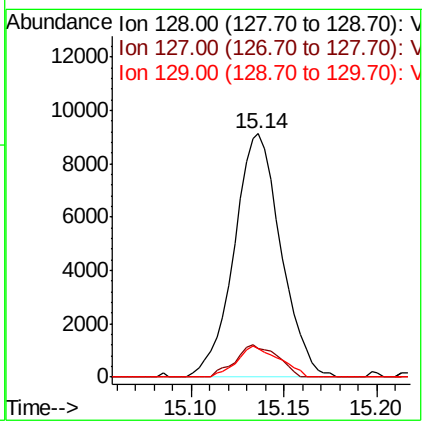


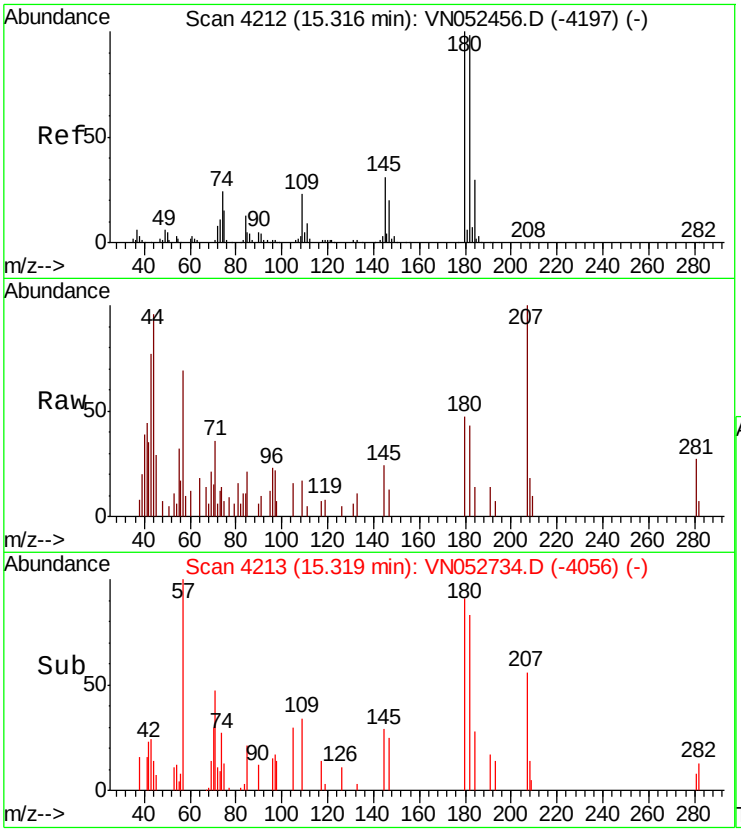


#91
Naphthalene
Concen: 1.321 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Tgt Ion:128 Resp: 15984

Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.9	14.9
129	11.4	8.5	12.7





#92
1,2,3-Trichlorobenzene
Concen: 0.416 ug/l
RT: 15.32 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN052734.D
Acq: 7 Dec 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(DEC)

Tgt Ion:180 Resp: 2297

Ion	Ratio	Lower	Upper
180	100		
182	92.8	0.0	196.2
145	25.3	0.0	62.2