Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122718\
Data File : VF061221.D
Acq On : 27 Dec 2018 21:28
Operator : VA/AP
Sample : J6195-13
Misc : 6.55g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OR-01-122618-B

Manual Integrations APPROVED
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12/28/2018 9:38:50 AM

Quant Time: Dec 28 09:57:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	143037	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	336953	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	260677	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.53	152	109170	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	104217	56.65	ug/l	-0.02
Spiked Amount 50.000			Recovery = 113.30%			
35) Dibromofluoromethane	4.10	113	124313	46.06	ug/l	-0.01
Spiked Amount 50.000			Recovery = 92.12%			
50) Toluene-d8	7.53	98	258841	33.84	ug/l	-0.02
Spiked Amount 50.000			Recovery = 67.68%			
62) 4-Bromofluorobenzene	11.40	95	117512	33.32	ug/l	-0.01
Spiked Amount 50.000			Recovery = 66.64%			
Target Compounds						Qvalue
20) Methylene Chloride	2.17	84	10262m	4.658	ug/l	
52) Toluene	7.61	92	17993	3.108	ug/l	95
69) o-Xylene	10.70	106	9136	2.386	ug/l	80
80) 1,3,5-Trimethylbenzene	11.81	105	56133	7.246	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	11708	1.516	ug/l	80
85) sec-Butylbenzene	12.30	105	13839	1.330	ug/l	99

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

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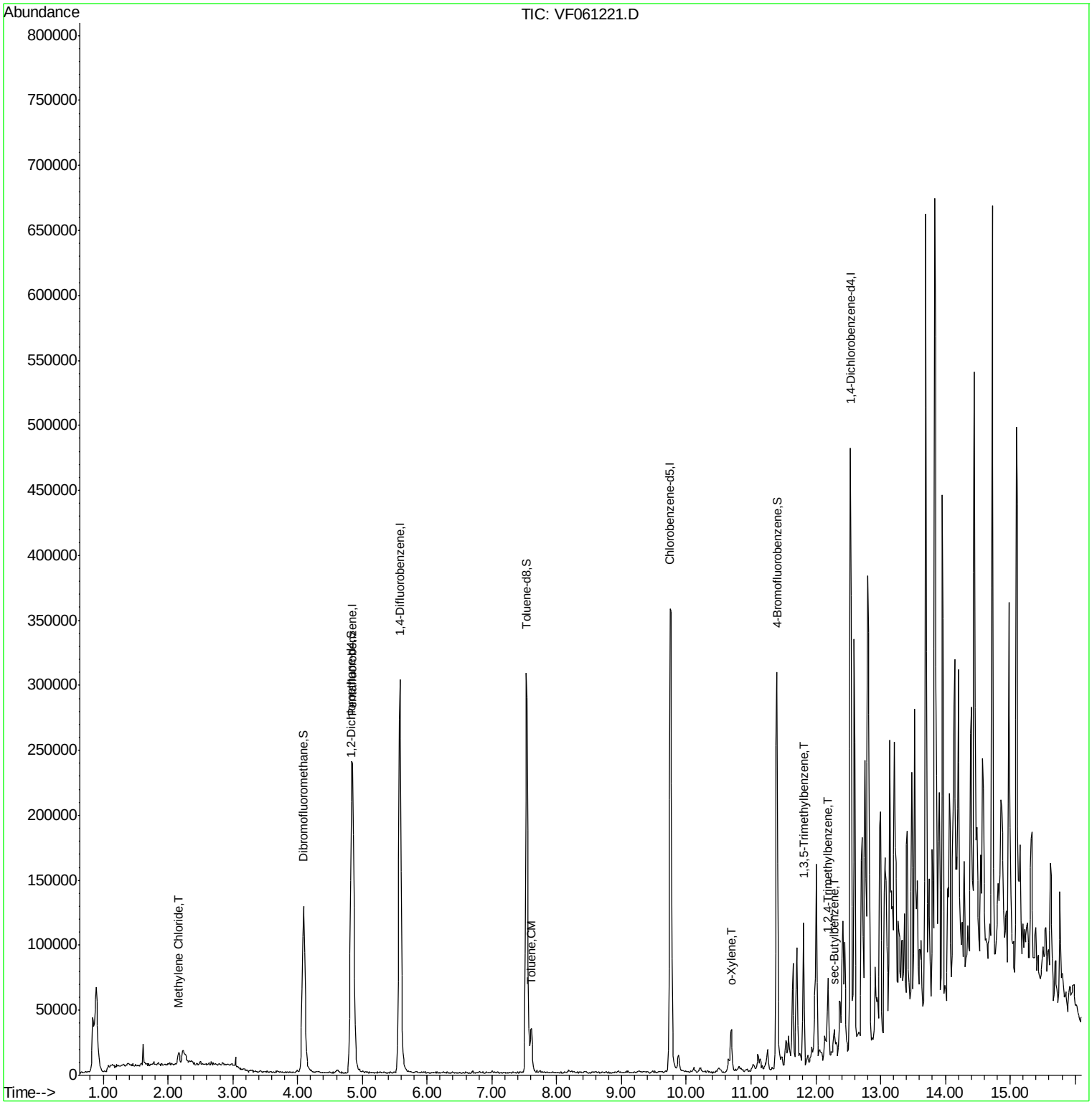

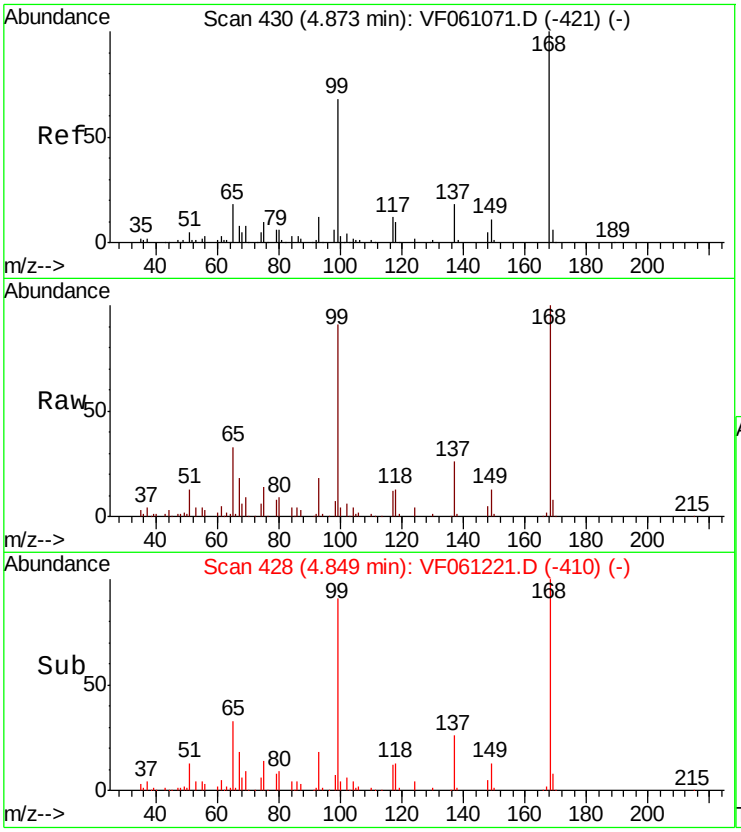

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.02 min
Lab File: VF061221.D
Acq: 27 Dec 2018 21:28

Tgt Ion:168 Resp: 143037

Ion	Ratio	Lower	Upper
168	100		
99	90.7	54.4	81.6#

Instrument :
MSVOA_F
ClientSampleId :
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Manual Integrations APPROVED
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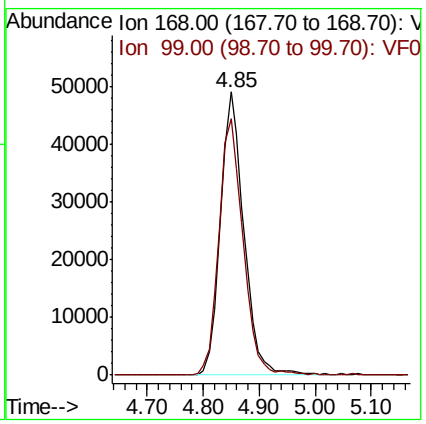
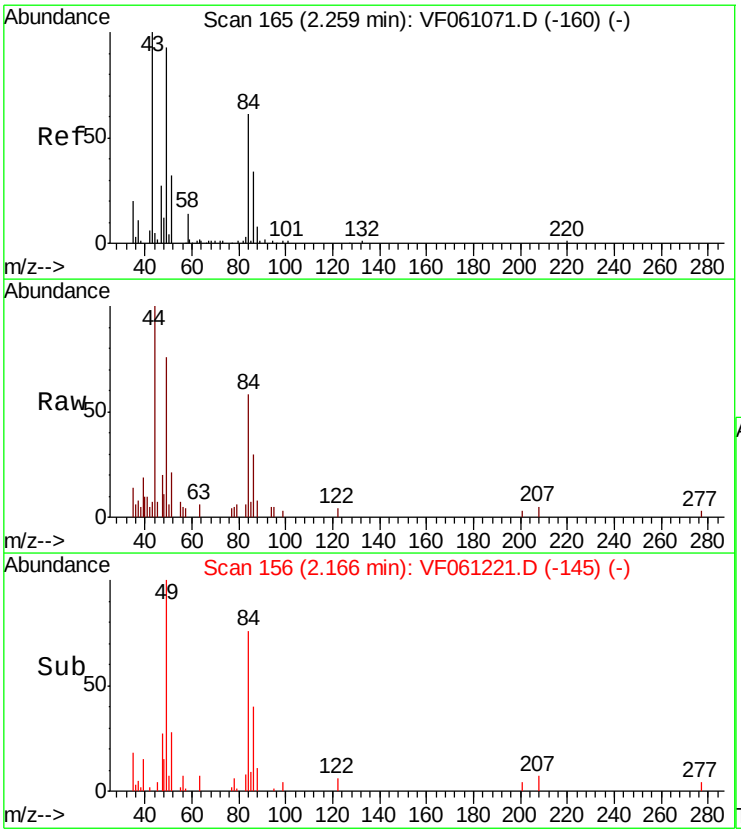
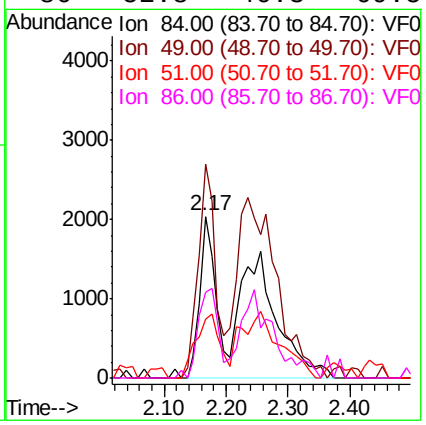


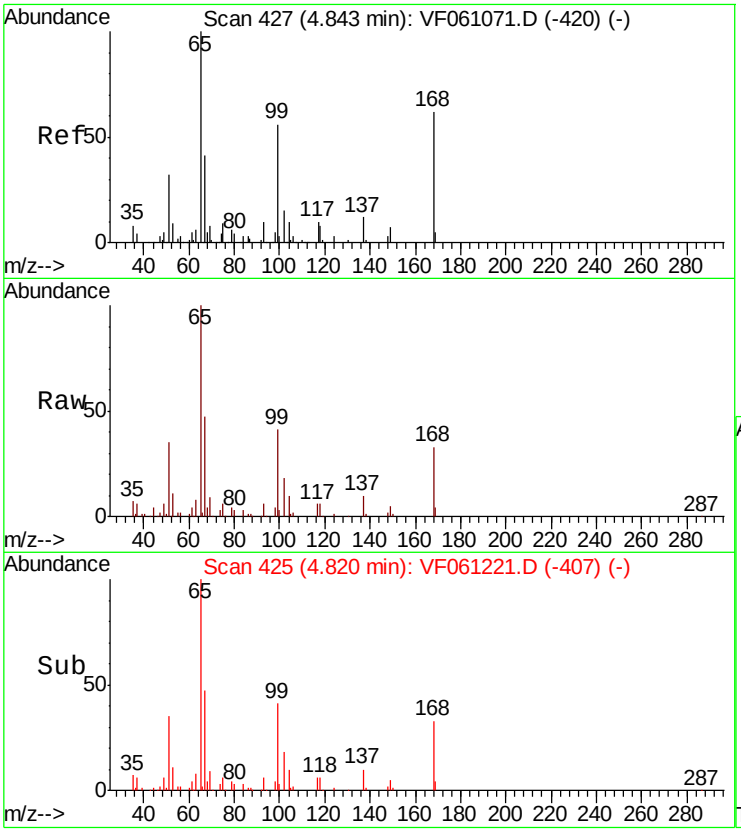


#20
Methylene Chloride
Concen: 4.658 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.09 min
Lab File: VF061221.D
Acq: 27 Dec 2018 21:28

Tgt Ion: 84 Resp: 10262

Ion	Ratio	Lower	Upper
84	100		
49	132.2	129.4	194.2
51	36.4	44.0	66.0#
86	52.8	46.3	69.5

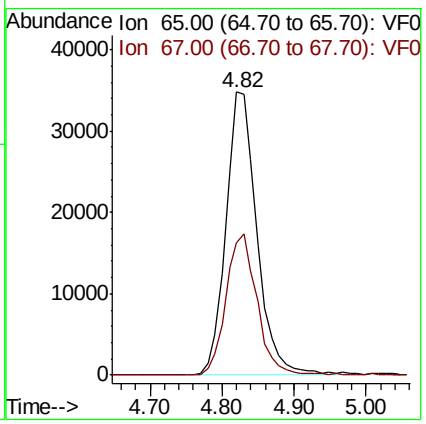




#33
1,2-Dichloroethane-d4
Concen: 56.649 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.02 min
Lab File: VF061221.D
Acq: 27 Dec 2018 21:28

Tgt Ion: 65 Resp: 104217

Ion	Ratio	Lower	Upper
65	100		
67	46.8	0.0	94.6



Instrument :
MSVOA_F
ClientSampleId :
OR-01-122618-B

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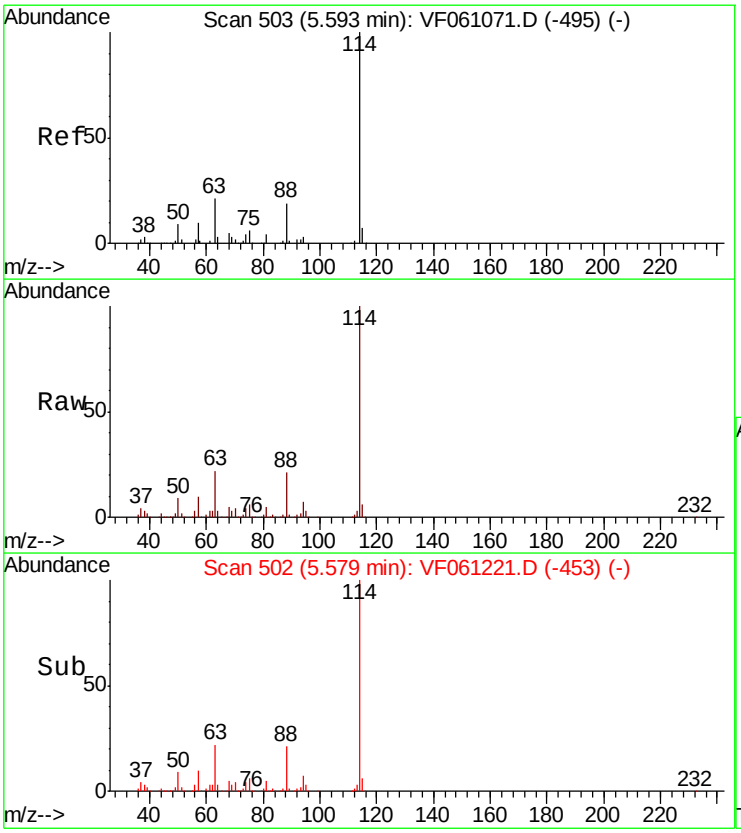
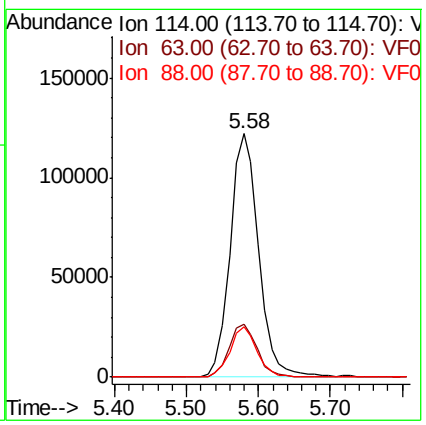
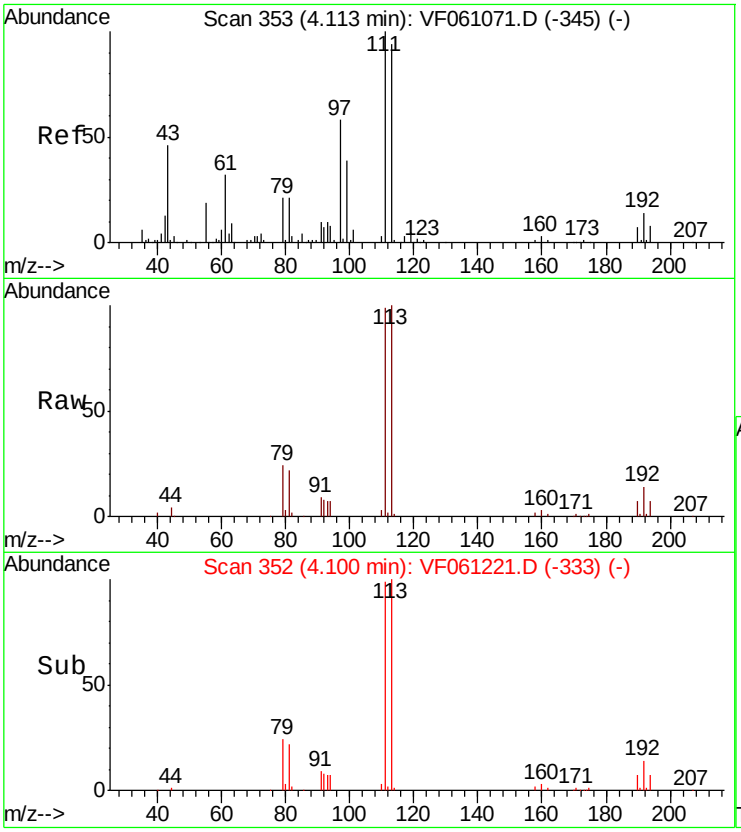


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.58 min Scan# 502
Delta R.T. -0.01 min
Lab File: VF061221.D
Acq: 27 Dec 2018 21:28

Tgt Ion:114 Resp: 336953

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	41.6
88	20.6	0.0	38.0

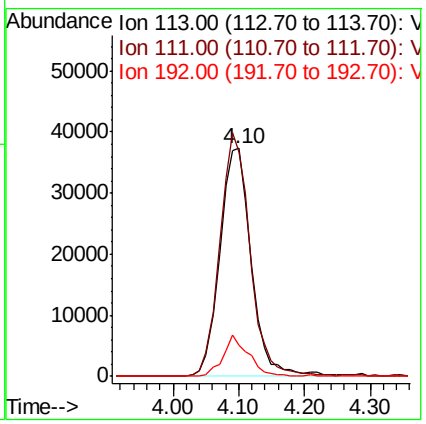




#35
Dibromofluoromethane
Concen: 46.056 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061221.D
Acq: 27 Dec 2018 21:28

Tgt Ion:113 Resp: 124313

Ion	Ratio	Lower	Upper
113	100		
111	98.6	85.2	127.8
192	14.6	12.8	19.2



Instrument :
MSVOA_F
ClientSampleId :
OR-01-122618-B

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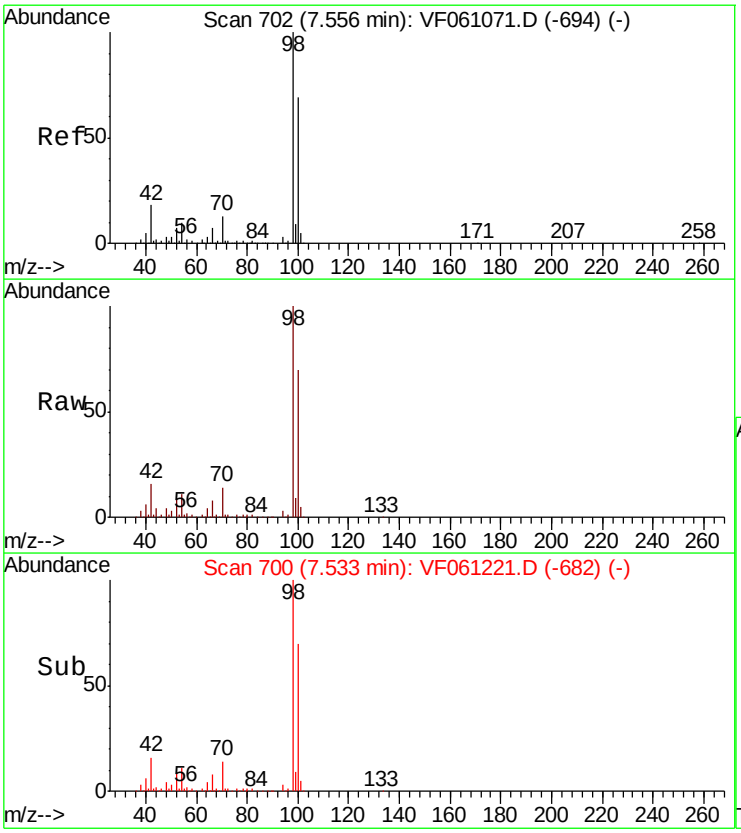
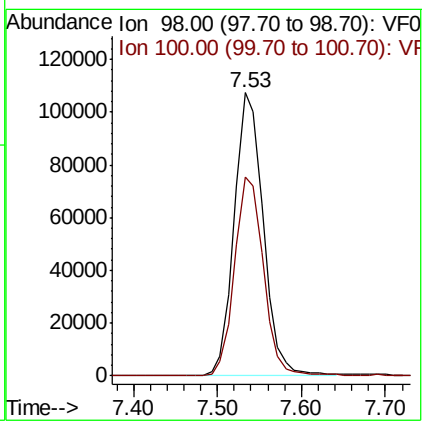
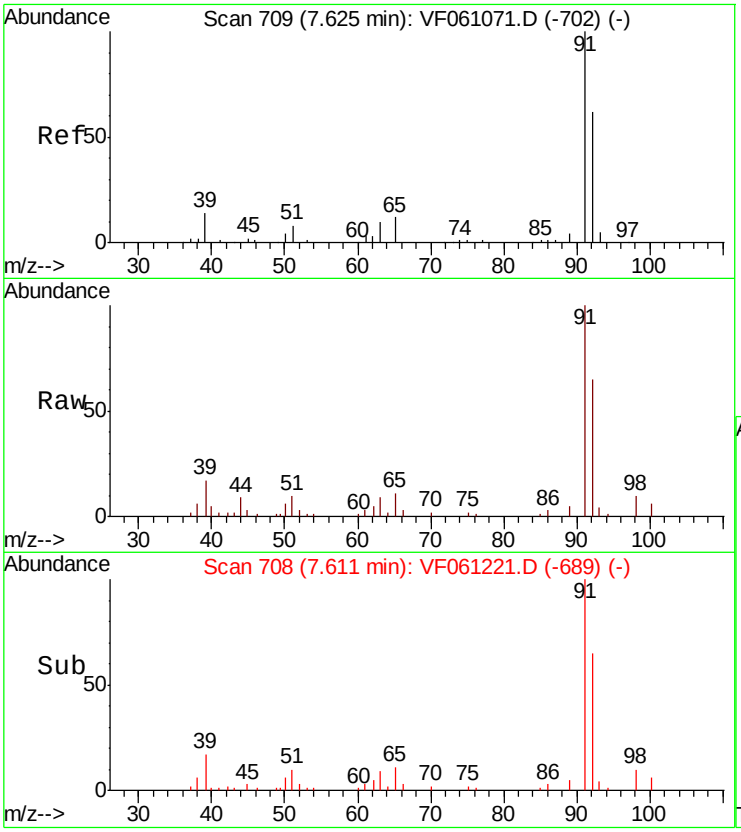


#50
Toluene-d8
Concen: 33.839 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061221.D
Acq: 27 Dec 2018 21:28

Tgt Ion: 98 Resp: 258841

Ion	Ratio	Lower	Upper
98	100		
100	70.2	55.3	82.9





#52
Toluene
Concen: 3.108 ug/l
RT: 7.61 min Scan# 708
Delta R.T. -0.01 min
Lab File: VF061221.D
Acq: 27 Dec 2018 21:28

Tgt Ion: 92 Resp: 17993

Ion	Ratio	Lower	Upper
92	100		
91	154.4	128.8	193.2

Instrument :
MSVOA_F
ClientSampleId :
OR-01-122618-B

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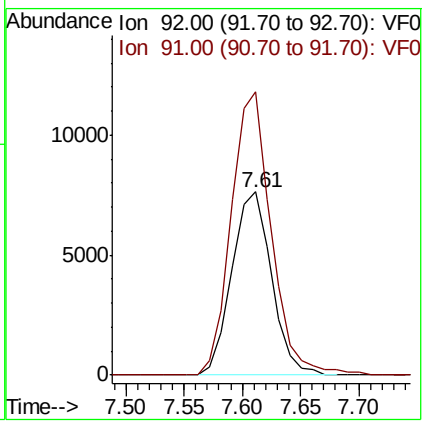
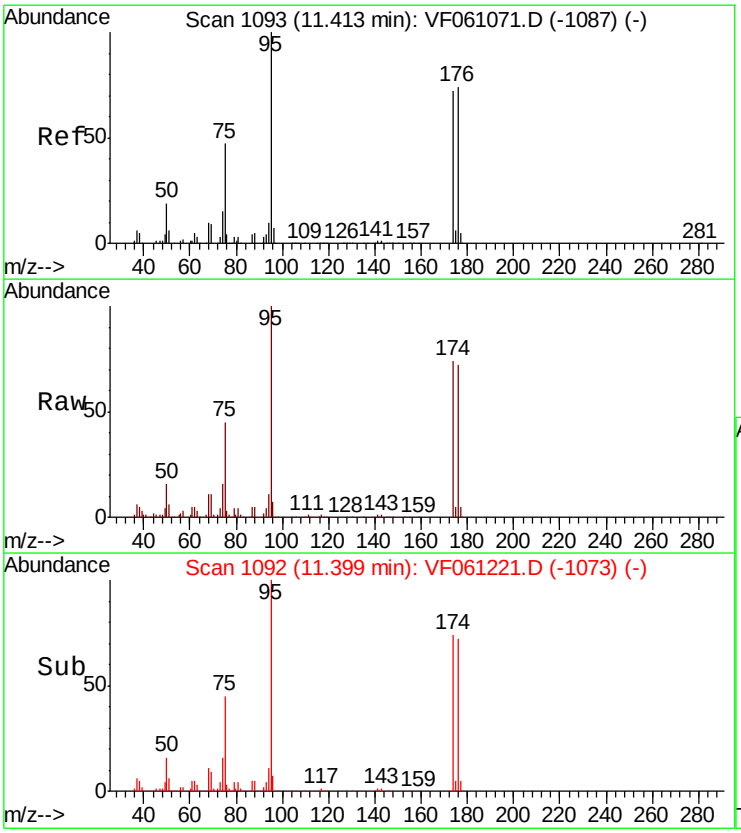
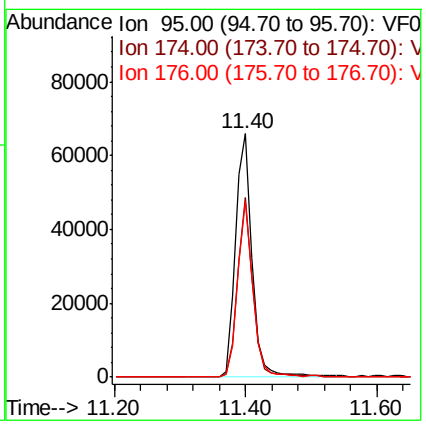


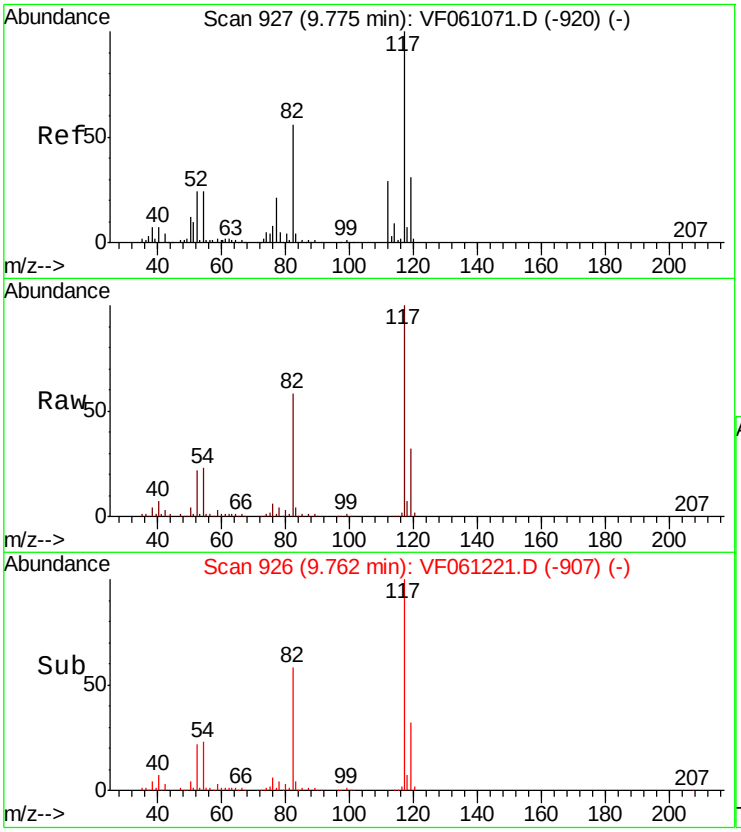


#62
4-Bromofluorobenzene
Concen: 33.324 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061221.D
Acq: 27 Dec 2018 21:28

Tgt Ion: 95 Resp: 117512

Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	143.8
176	72.2	0.0	147.6

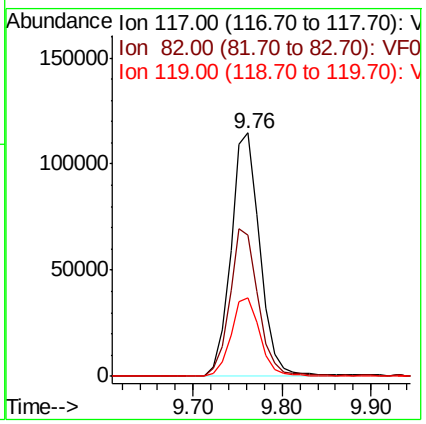




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061221.D
Acq: 27 Dec 2018 21:28

Tgt Ion:117 Resp: 260677

Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.0	67.4
119	32.4	24.8	37.2



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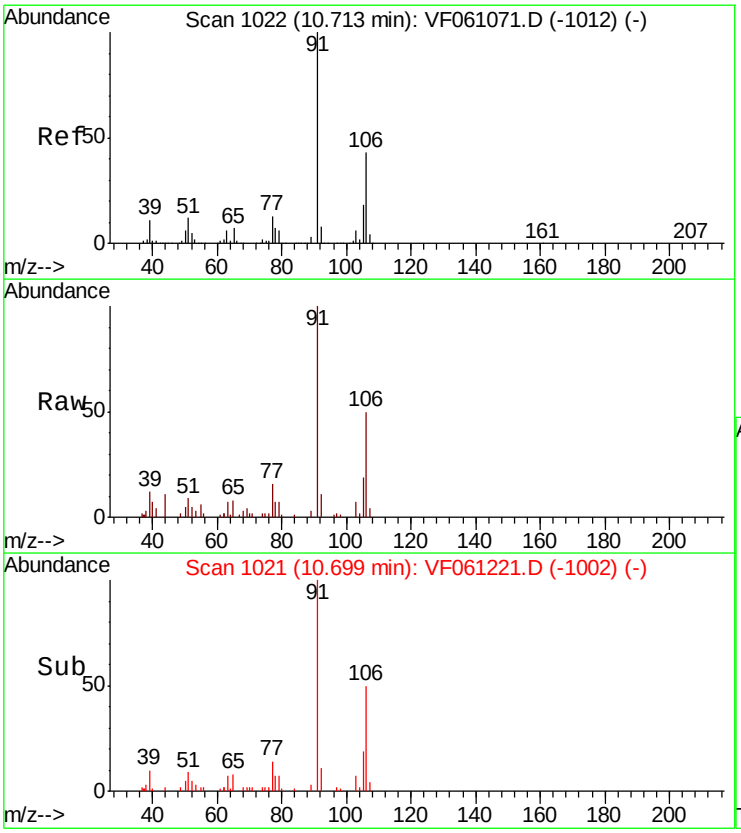
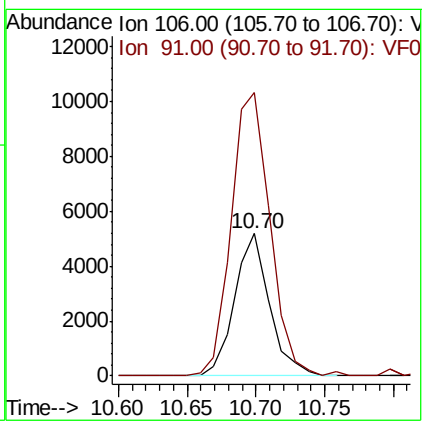
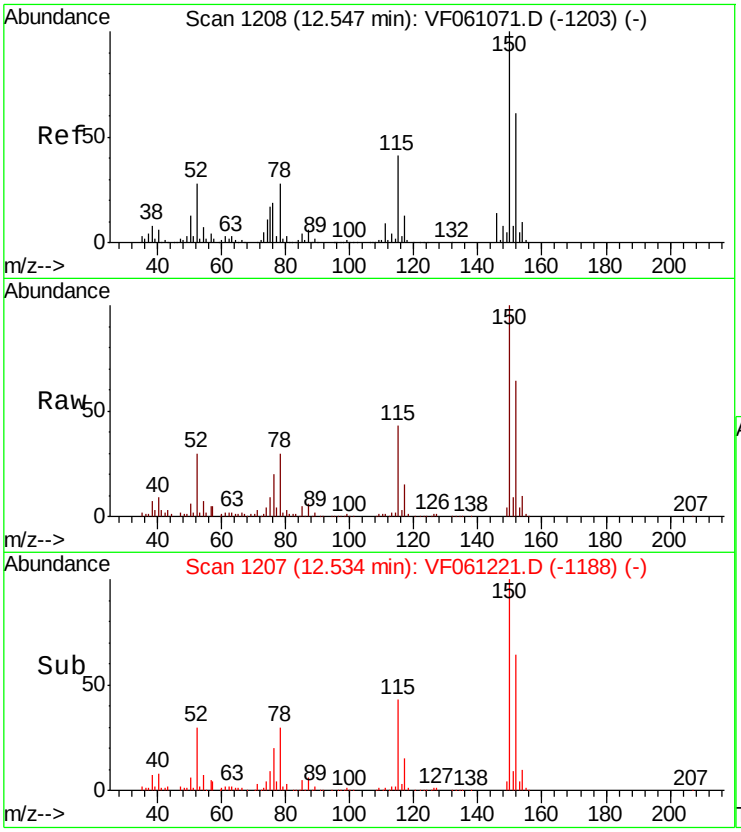


#69
o-Xylene
Concen: 2.386 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061221.D
Acq: 27 Dec 2018 21:28

Tgt Ion:106 Resp: 9136

Ion	Ratio	Lower	Upper
106	100		
91	199.2	115.9	347.7

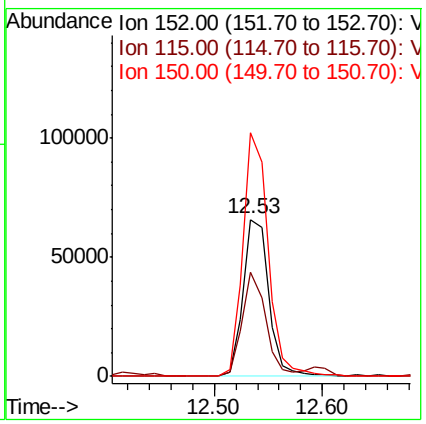




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061221.D
Acq: 27 Dec 2018 21:28

Tgt Ion:152 Resp: 109170

Ion	Ratio	Lower	Upper
152	100		
115	66.1	33.3	99.9
150	155.4	0.0	328.2



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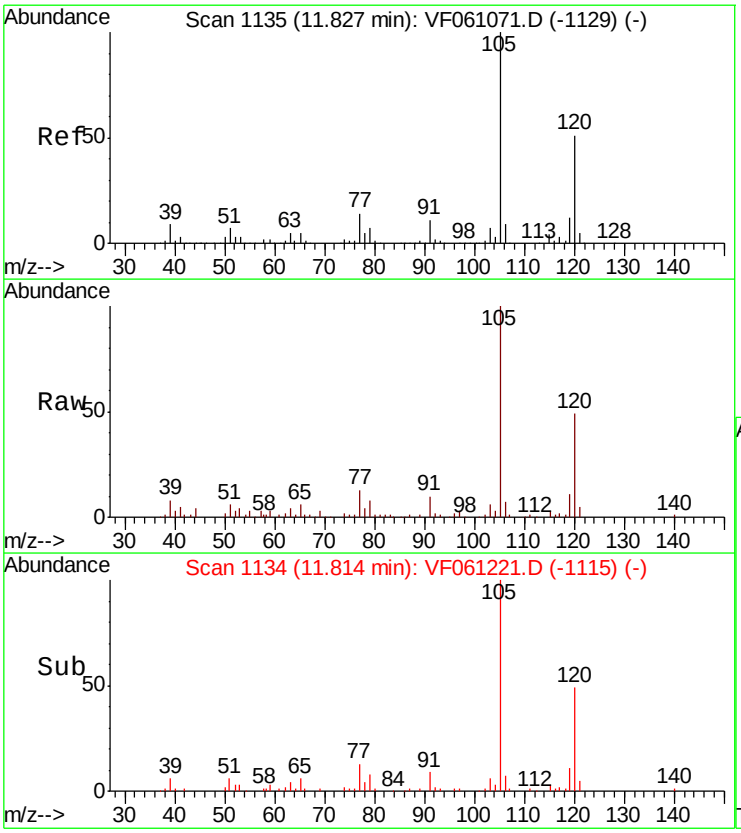
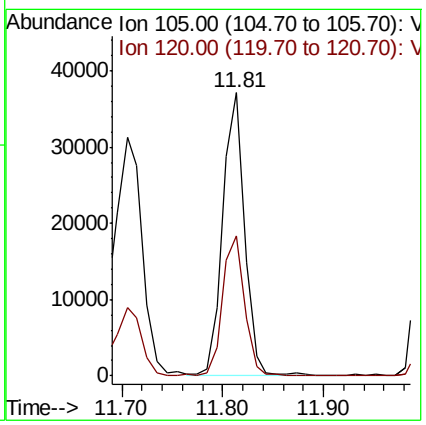
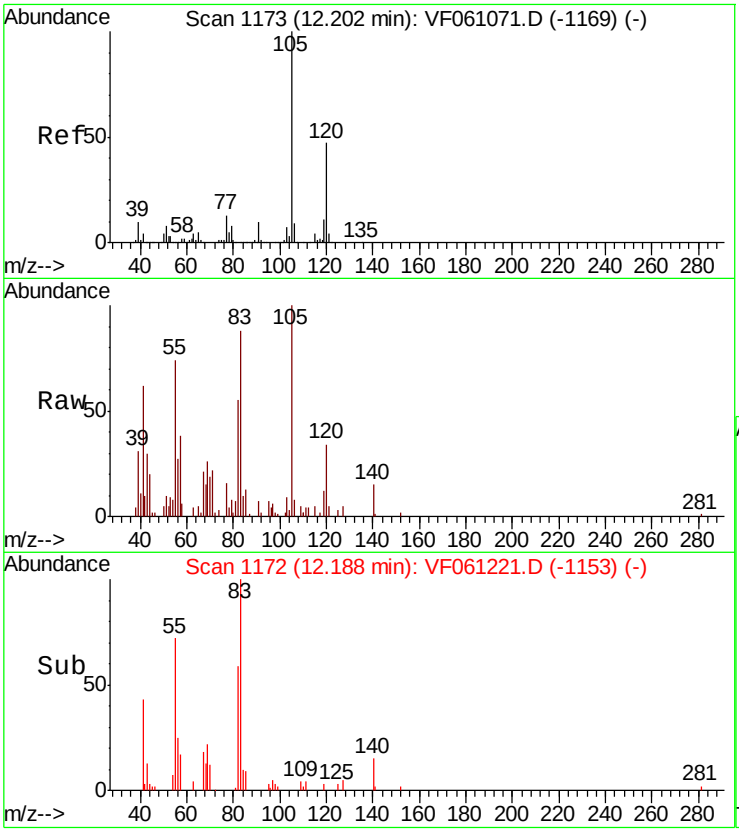


#80
1,3,5-Trimethylbenzene
Concen: 7.246 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.01 min
Lab File: VF061221.D
Acq: 27 Dec 2018 21:28

Tgt Ion:105 Resp: 56133

Ion	Ratio	Lower	Upper
105	100		
120	49.3	25.4	76.4

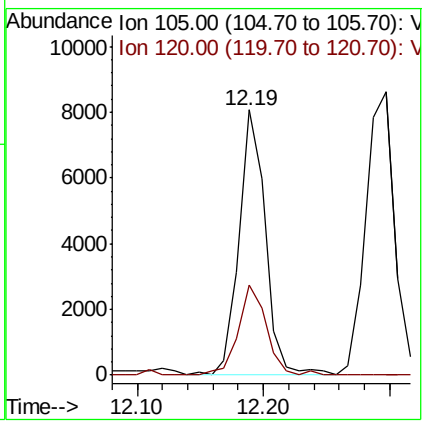




#84
1,2,4-Trimethylbenzene
Concen: 1.516 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.01 min
Lab File: VF061221.D
Acq: 27 Dec 2018 21:28

Tgt Ion:105 Resp: 11708

Ion	Ratio	Lower	Upper
105	100		
120	34.0	23.6	71.0



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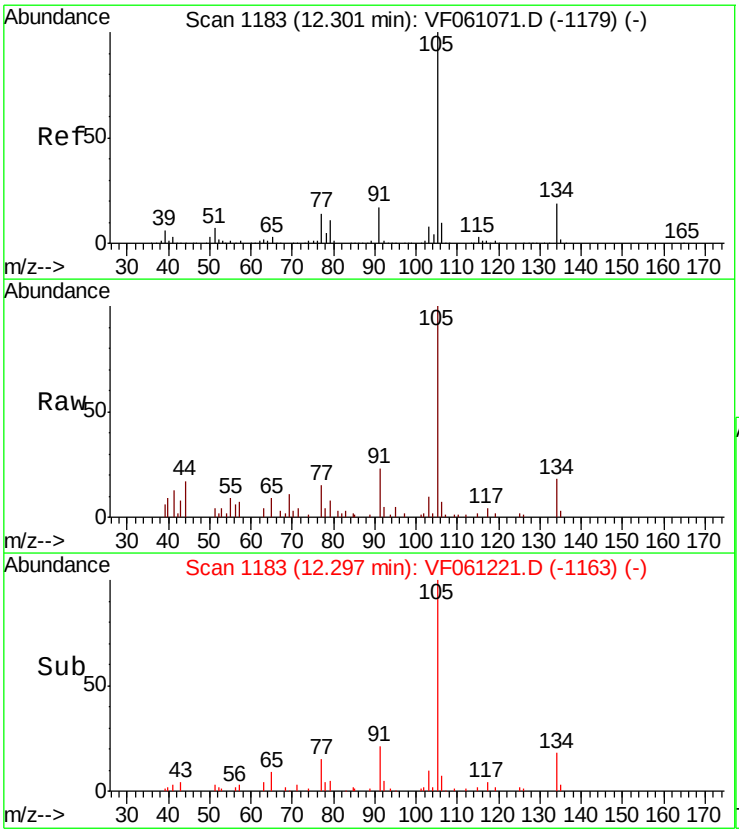

#85
sec-Butylbenzene
Concen: 1.330 ug/l
RT: 12.30 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VF061221.D
Acq: 27 Dec 2018 21:28

Tgt Ion:105 Resp: 13839

Ion	Ratio	Lower	Upper
105	100		
134	18.2	9.4	28.2