Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100318\
Data File : VF060428.D
Acq On : 3 Oct 2018 21:29
Operator : VA/AP
Sample : J5194-03
Misc : 6.89/5mL/MSVOA_F/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HR-06-100218-B

Manual Integrations APPROVED
apatel
10/4/2018 2:07:02 PM

Quant Time: Oct 04 06:56:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	278206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	495207	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	380178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	140735	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	219897	50.51	ug/l	0.00
Spiked Amount 50.000			Recovery = 101.02%			
35) Dibromofluoromethane	4.27	113	244939	52.65	ug/l	0.00
Spiked Amount 50.000			Recovery = 105.30%			
50) Toluene-d8	7.69	98	458594	40.03	ug/l	0.00
Spiked Amount 50.000			Recovery = 80.06%			
62) 4-Bromofluorobenzene	11.50	95	191885	36.68	ug/l	0.00
Spiked Amount 50.000			Recovery = 73.36%			
Target Compounds						Qvalue
20) Methylene Chloride	2.27	84	24152m	2.287	ug/l	
52) Toluene	7.76	92	11294	1.372	ug/l	79
67) Ethyl Benzene	10.02	91	17561	1.183	ug/l	96
68) m/p-Xylenes	10.25	106	14346	2.810	ug/l	81
69) o-Xylene	10.82	106	18688	3.359	ug/l	92
73) Isopropylbenzene	11.21	105	11215	1.012	ug/l	97
78) n-propylbenzene	11.67	91	41331	3.077	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	94484	10.036	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	185062	19.821	ug/l	97
85) sec-Butylbenzene	12.37	105	31132	2.429	ug/l	100
86) p-Isopropyltoluene	12.53	119	21781m	2.080	ug/l	
89) n-Butylbenzene	12.91	91	51772	4.672	ug/l #	82

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
Data File : VF060428.D
Acq On : 3 Oct 2018 21:29
Operator : VA/AP
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Misc : 6.89/5mL/MSVOA F/SOIL
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Manual Integrations APPROVED
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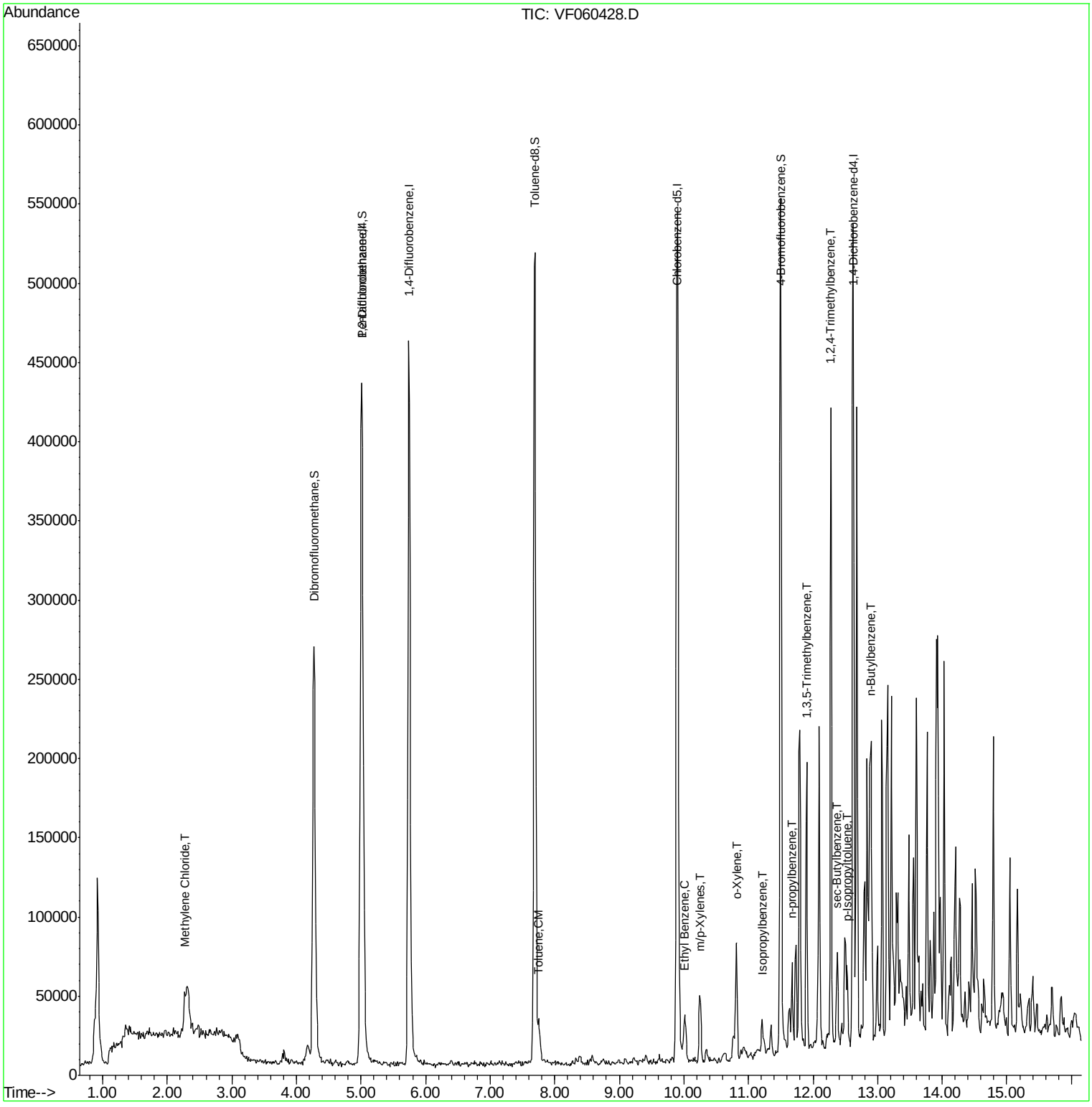
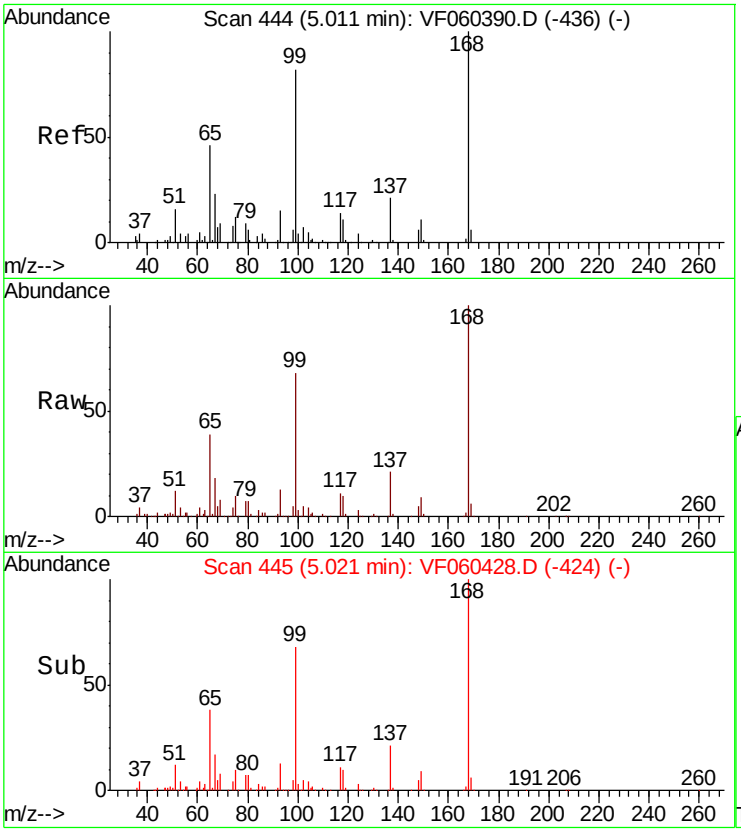
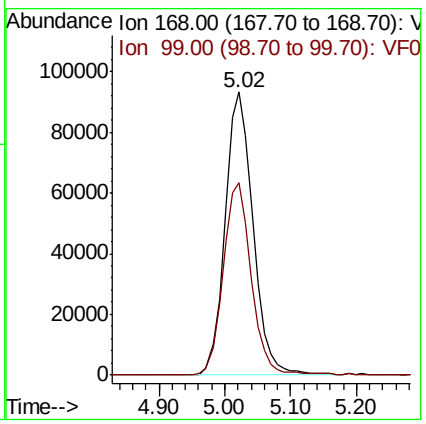




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.02 min Scan# 445
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:168 Resp: 278206

Ion	Ratio	Lower	Upper
168	100		
99	68.1	65.3	97.9



Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Manual Integrations APPROVED
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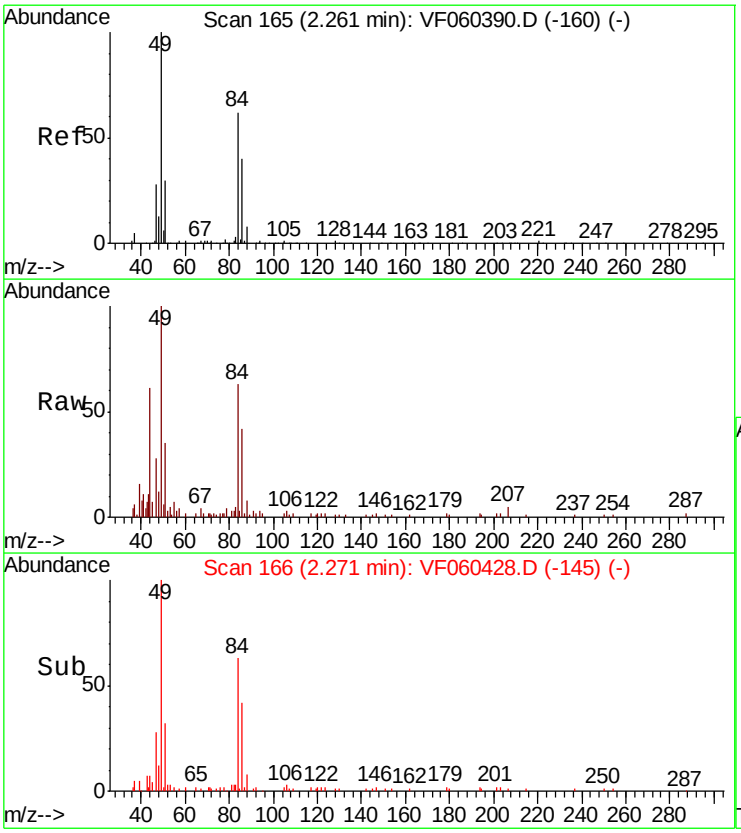
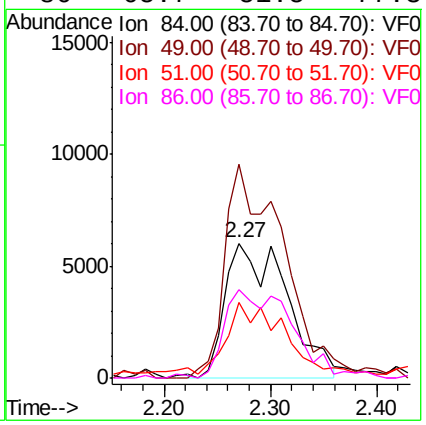
10/4/2018 2:07:02 PM

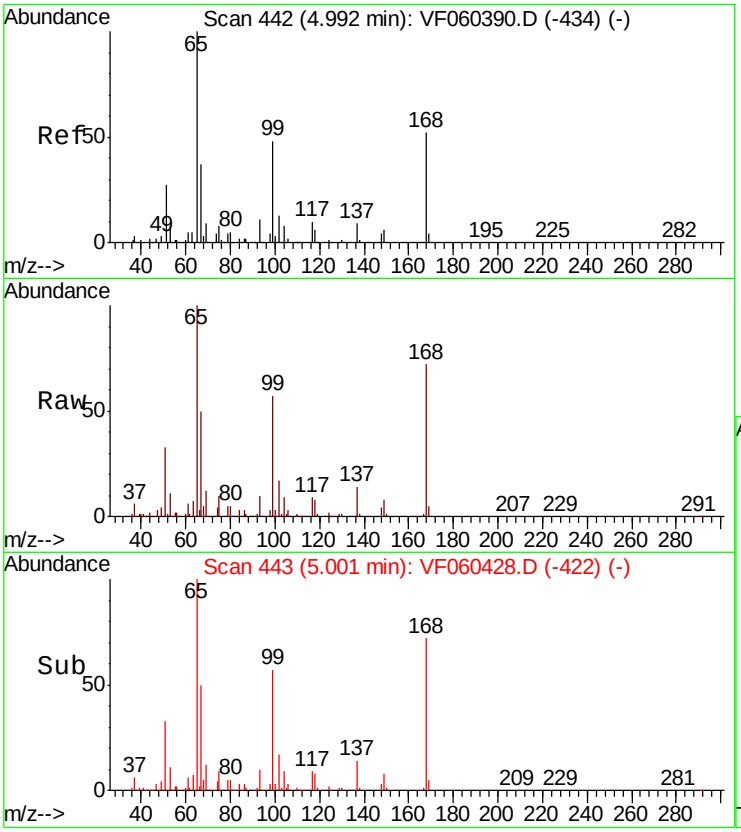


#20
Methylene Chloride
Concen: 2.287 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 84 Resp: 24152

Ion	Ratio	Lower	Upper
84	100		
49	158.3	130.2	195.2
51	55.6	41.0	61.6
86	65.7	51.5	77.3

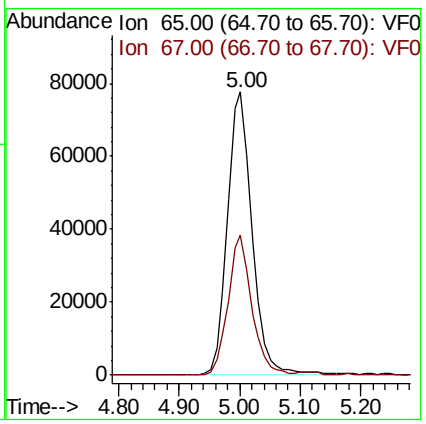




#33
1,2-Dichloroethane-d4
Concen: 50.513 ug/l
RT: 5.00 min Scan# 443
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 65 Resp: 219897

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	89.4



Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Manual Integrations APPROVED
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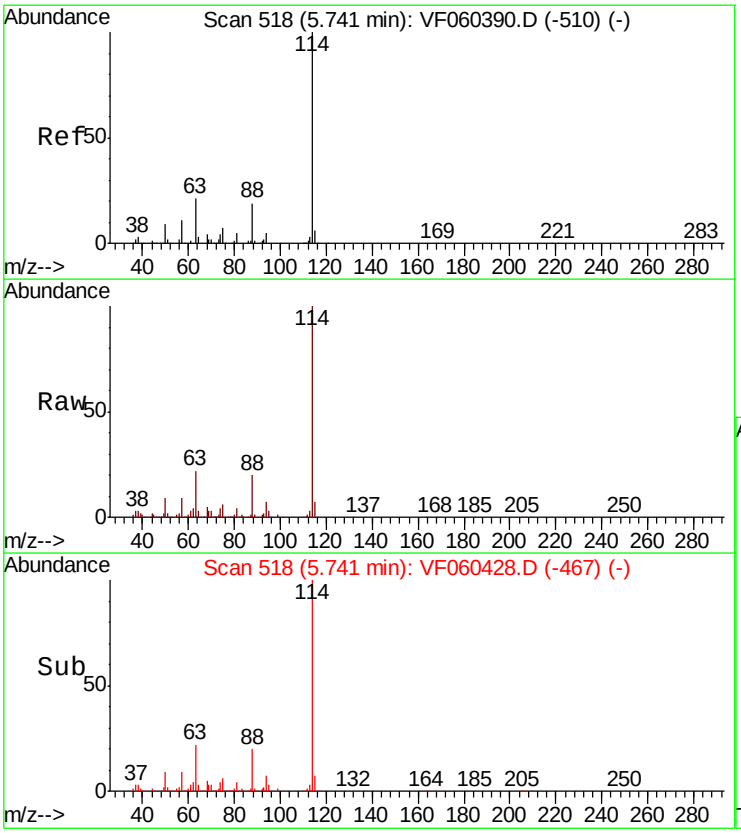
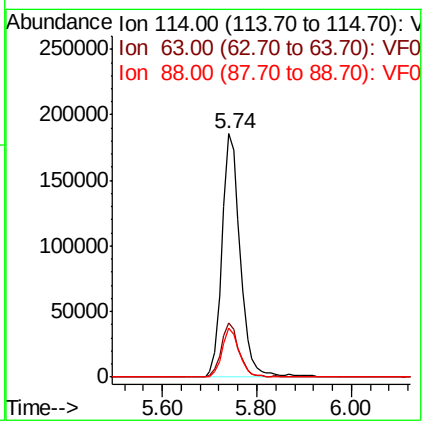
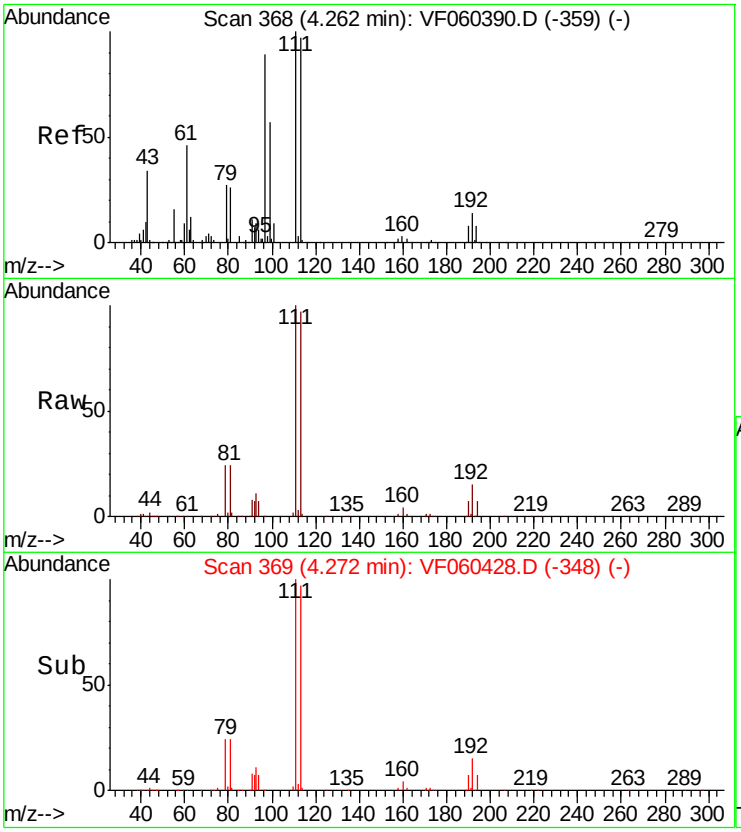


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.74 min Scan# 518
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:114 Resp: 495207

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	42.2
88	20.3	0.0	38.8

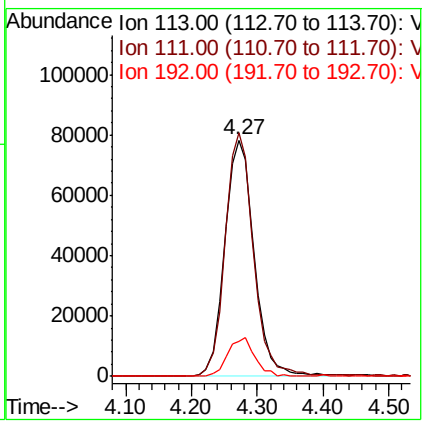




#35
Dibromofluoromethane
Concen: 52.651 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:113 Resp: 244939

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.3	123.5
192	15.0	11.8	17.6



Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

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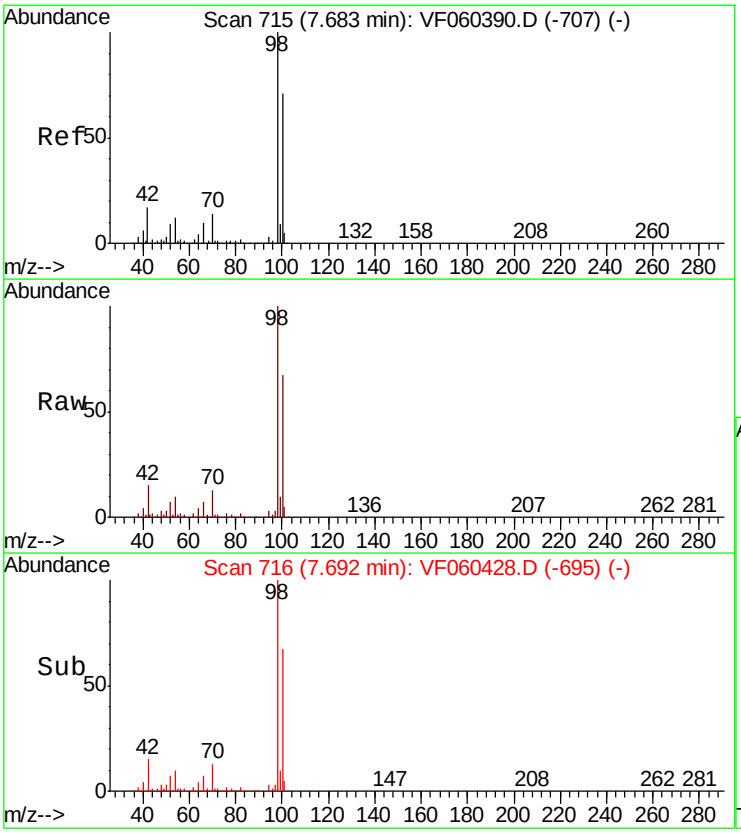
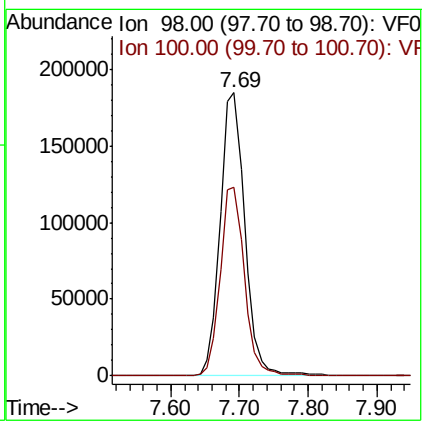
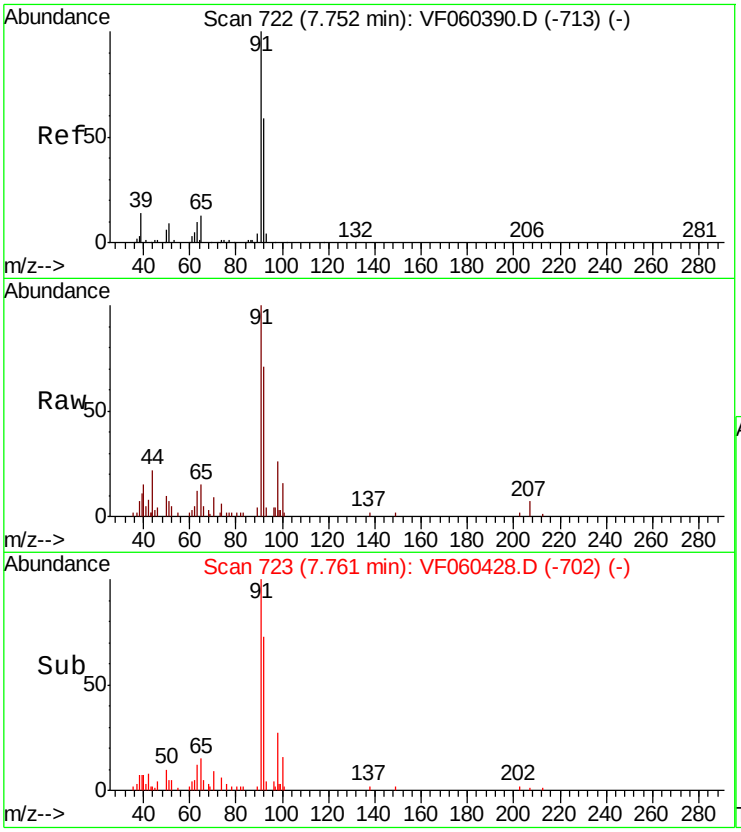


#50
Toluene-d8
Concen: 40.026 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 98 Resp: 458594

Ion	Ratio	Lower	Upper
98	100		
100	66.6	56.5	84.7





#52
Toluene
Concen: 1.372 ug/l
RT: 7.76 min Scan# 723
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 92 Resp: 11294

Ion	Ratio	Lower	Upper
92	100		
91	140.7	135.4	203.0

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

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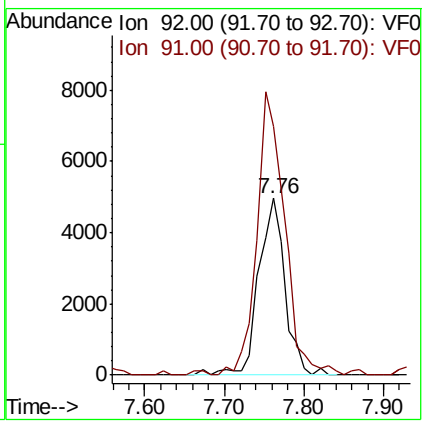
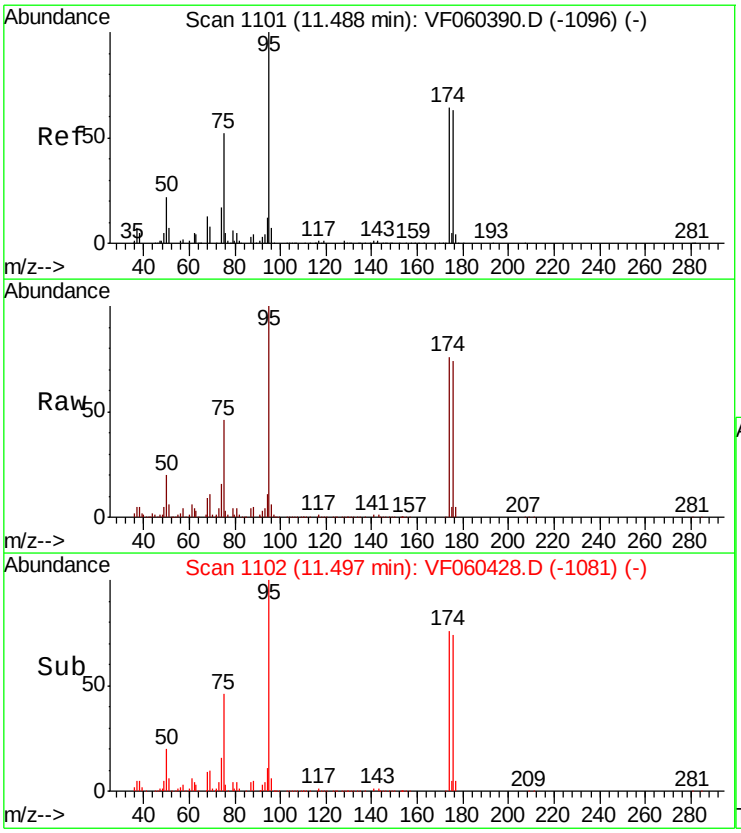
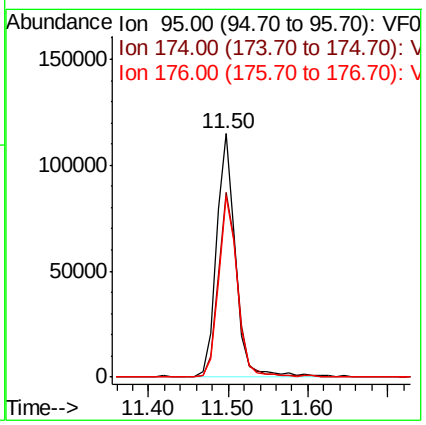


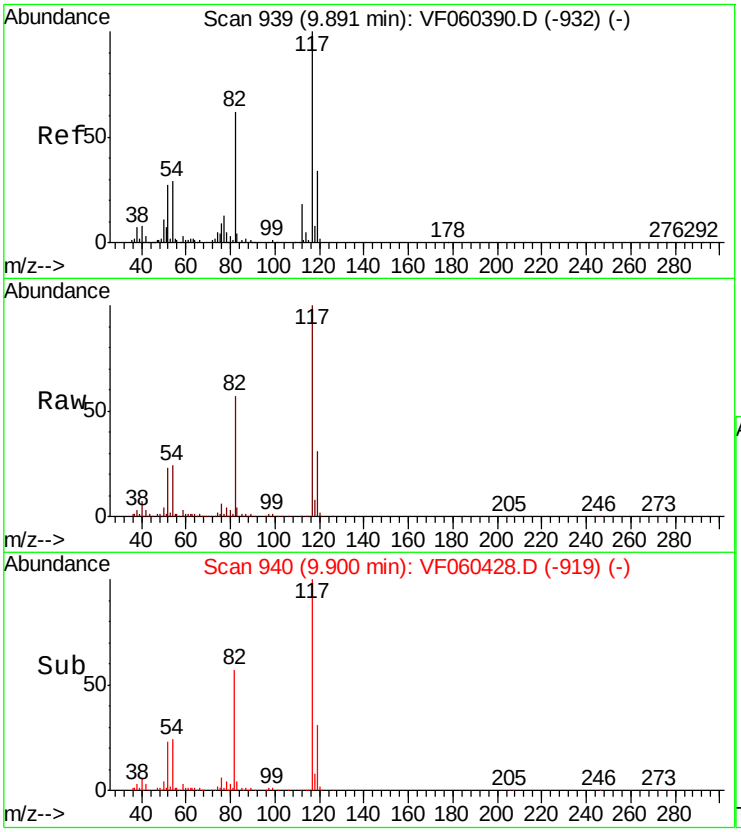


#62
4-Bromofluorobenzene
Concen: 36.680 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 95 Resp: 191885

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	129.0
176	74.1	0.0	125.6

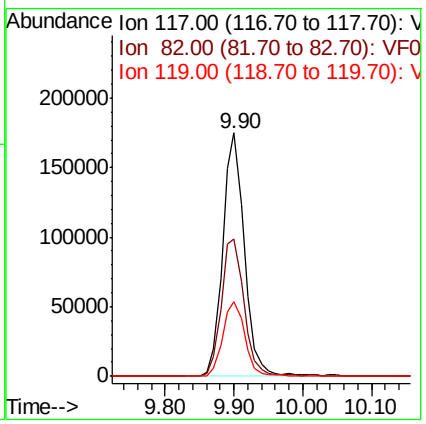




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:117 Resp: 380178

Ion	Ratio	Lower	Upper
117	100		
82	56.6	49.5	74.3
119	30.6	27.0	40.6



Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

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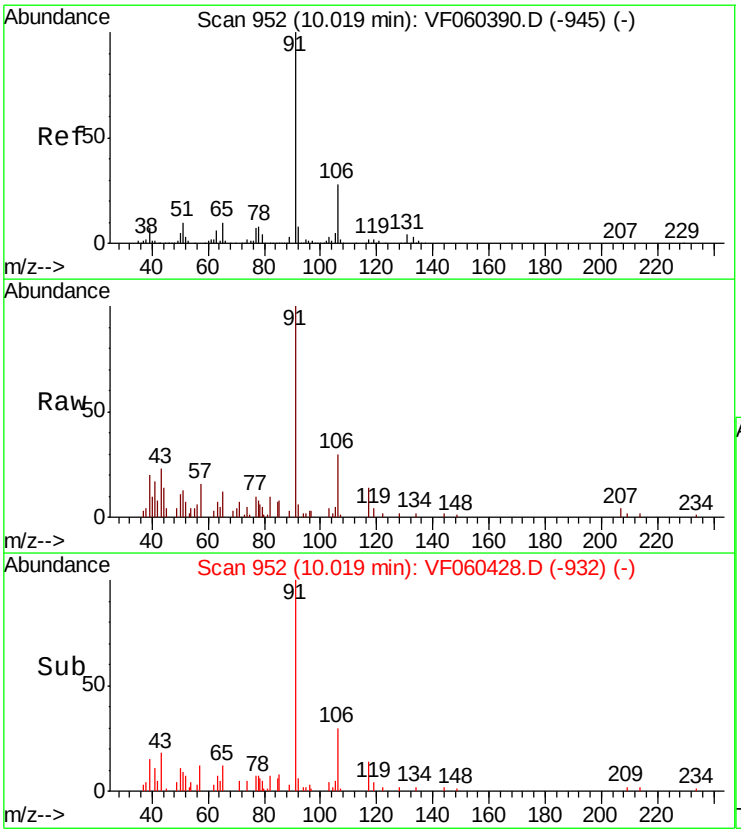
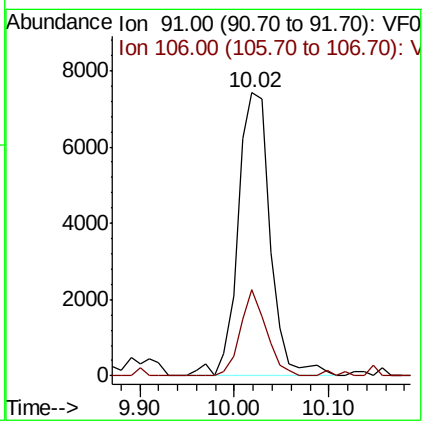
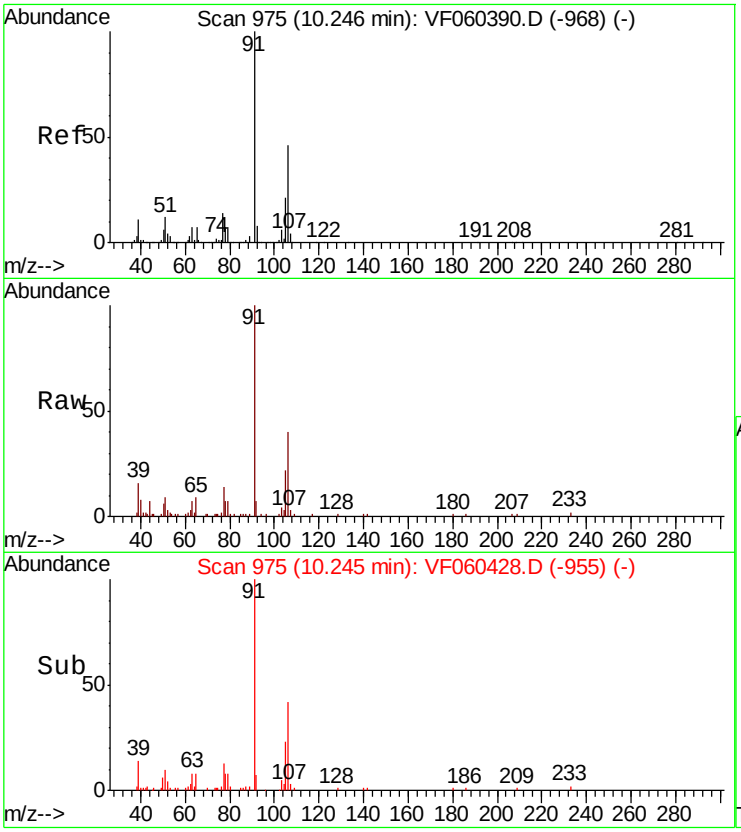


#67
Ethyl Benzene
Concen: 1.183 ug/l
RT: 10.02 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 91 Resp: 17561

Ion	Ratio	Lower	Upper
91	100		
106	30.4	22.5	33.7





#68
m/p-Xylenes
Concen: 2.810 ug/l
RT: 10.25 min Scan# 975
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:106 Resp: 14346

Ion	Ratio	Lower	Upper
106	100		
91	249.2	175.0	262.6

Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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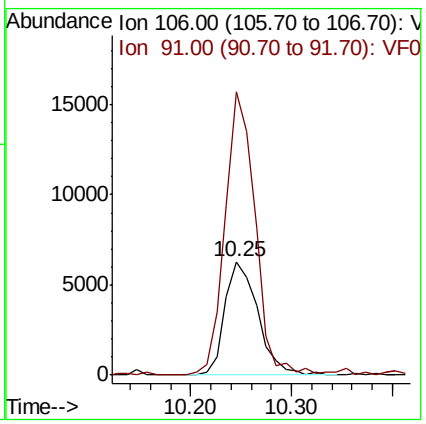
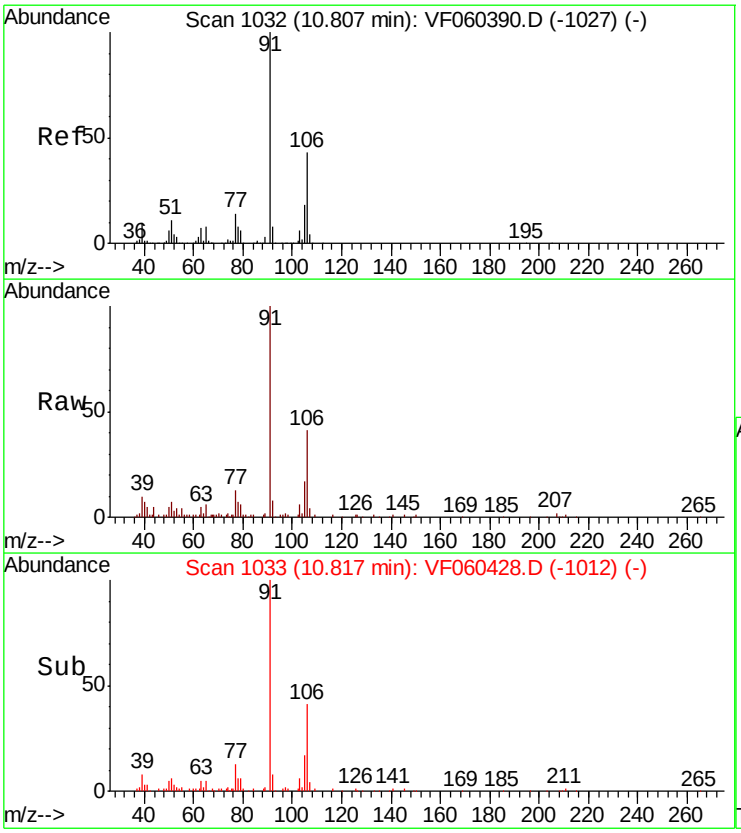
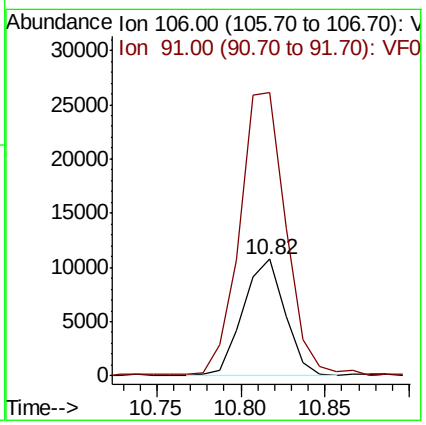


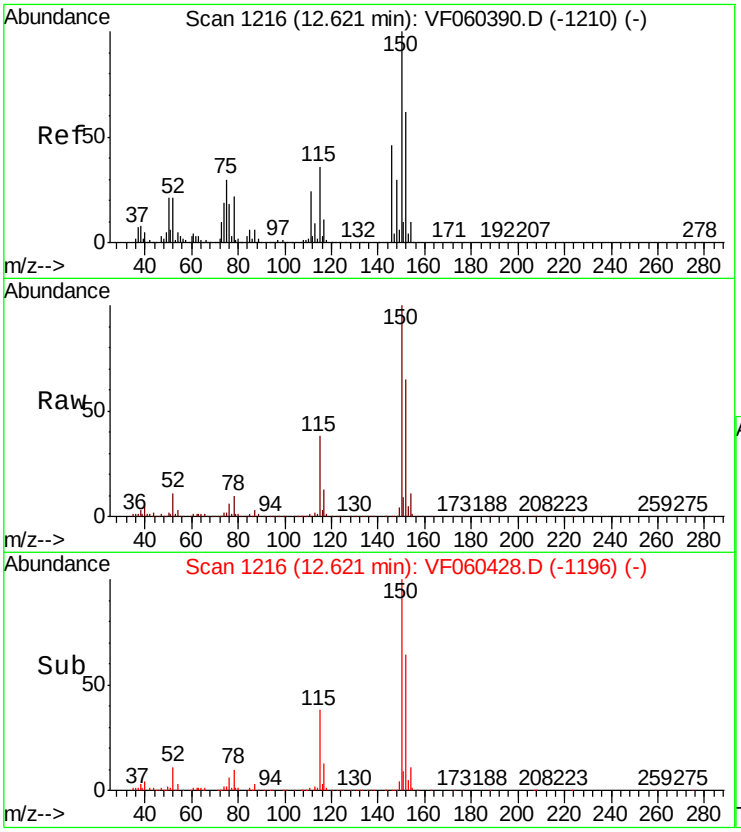


#69
o-Xylene
Concen: 3.359 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:106 Resp: 18688

Ion	Ratio	Lower	Upper
106	100		
91	243.0	115.1	345.2

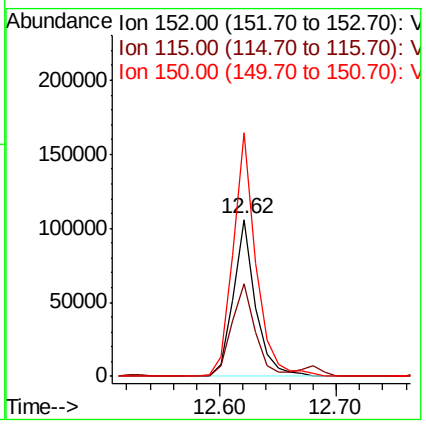




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:152 Resp: 140735

Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.6	85.8
150	155.0	0.0	324.6



Instrument :
MSVOA_F
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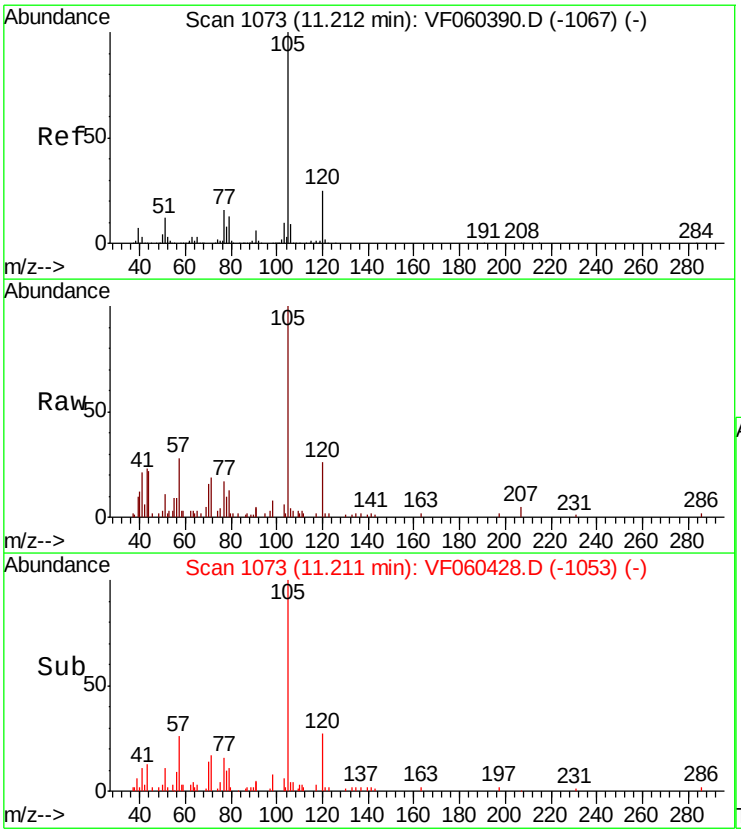
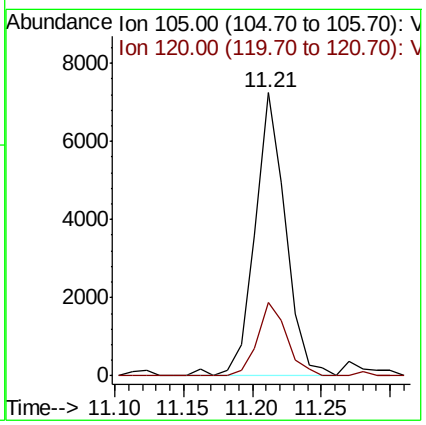
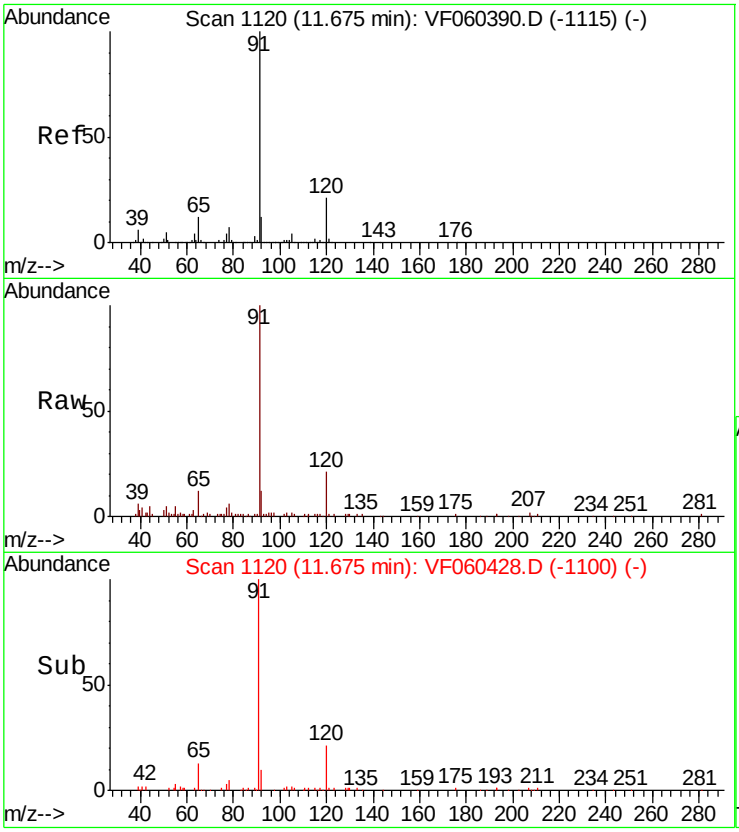


#73
Isopropylbenzene
Concen: 1.012 ug/l
RT: 11.21 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:105 Resp: 11215

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.3	36.9





#78
n-propylbenzene
Concen: 3.077 ug/l
RT: 11.67 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 91 Resp: 41331

Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.5	31.6

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Manual Integrations APPROVED
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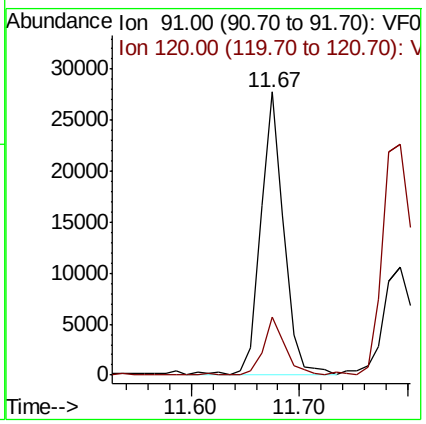
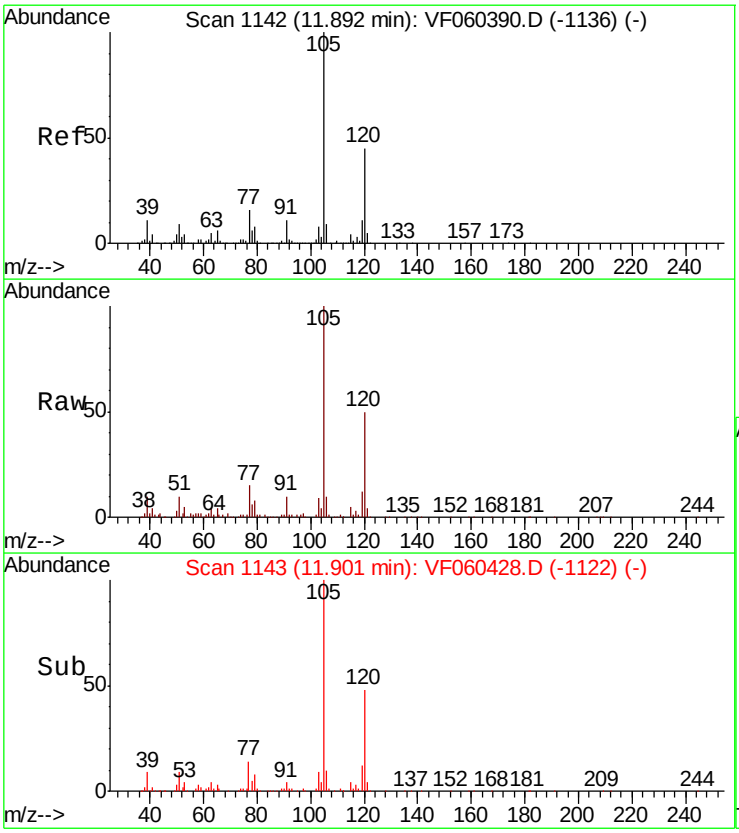
10/4/2018 2:07:02 PM

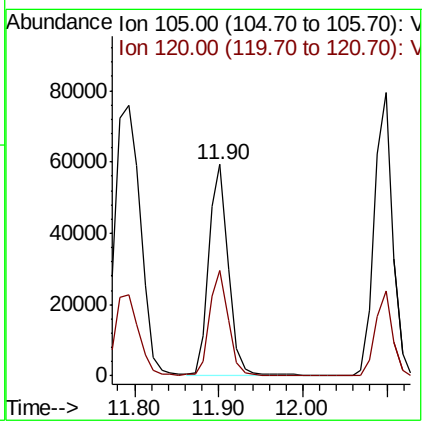


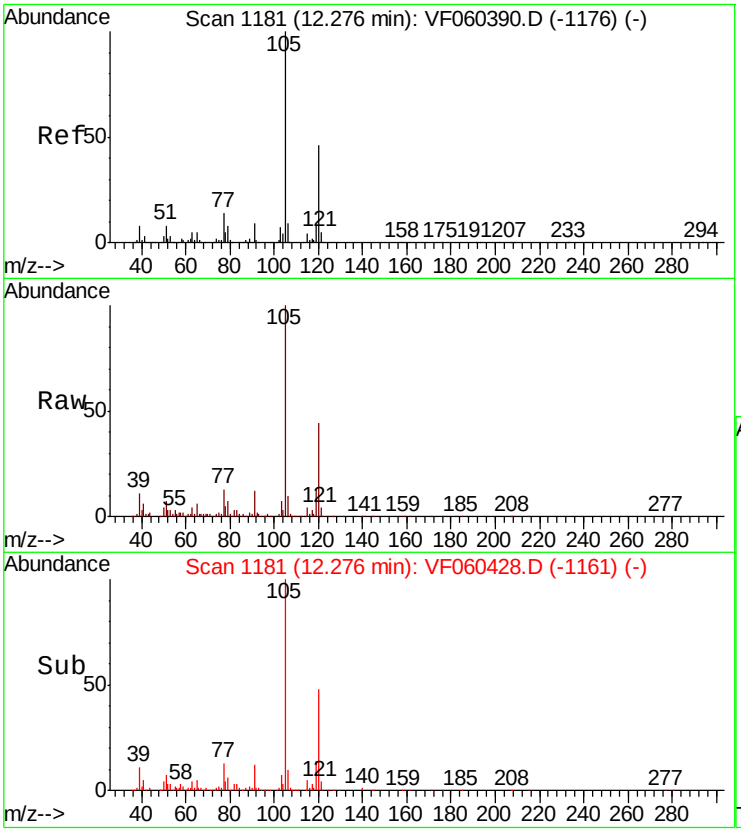


#80
1,3,5-Trimethylbenzene
Concen: 10.036 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:105 Resp: 94484

Ion	Ratio	Lower	Upper
105	100		
120	49.8	22.3	66.9

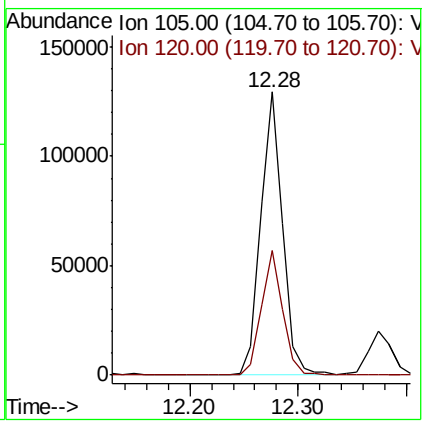




#84
1,2,4-Trimethylbenzene
Concen: 19.821 ug/l
RT: 12.28 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:105 Resp: 185062

Ion	Ratio	Lower	Upper
105	100		
120	44.1	23.1	69.2



Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Manual Integrations APPROVED
apatel
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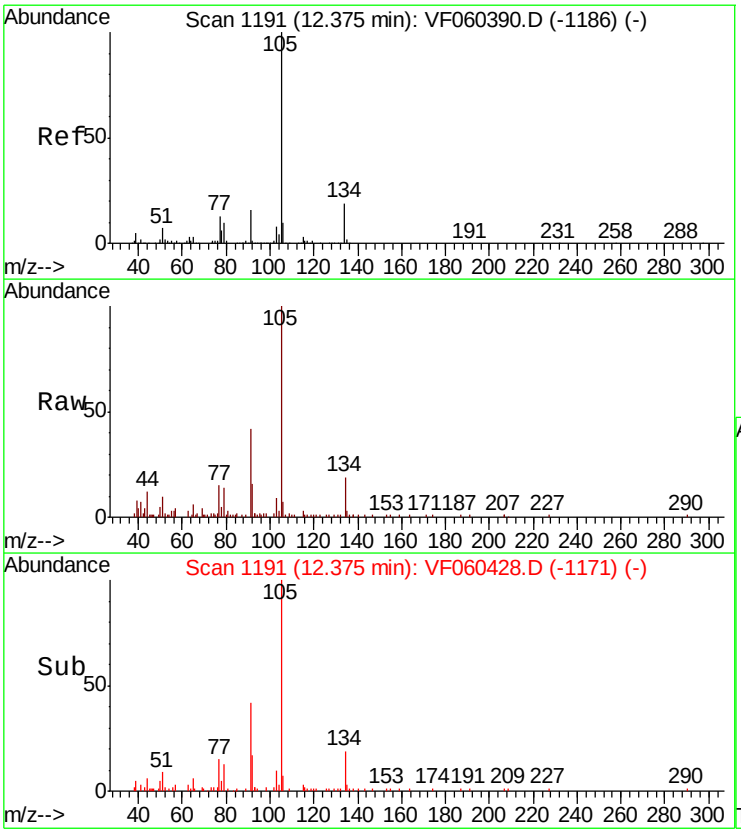
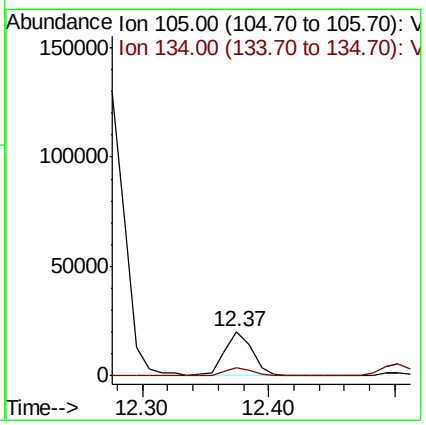
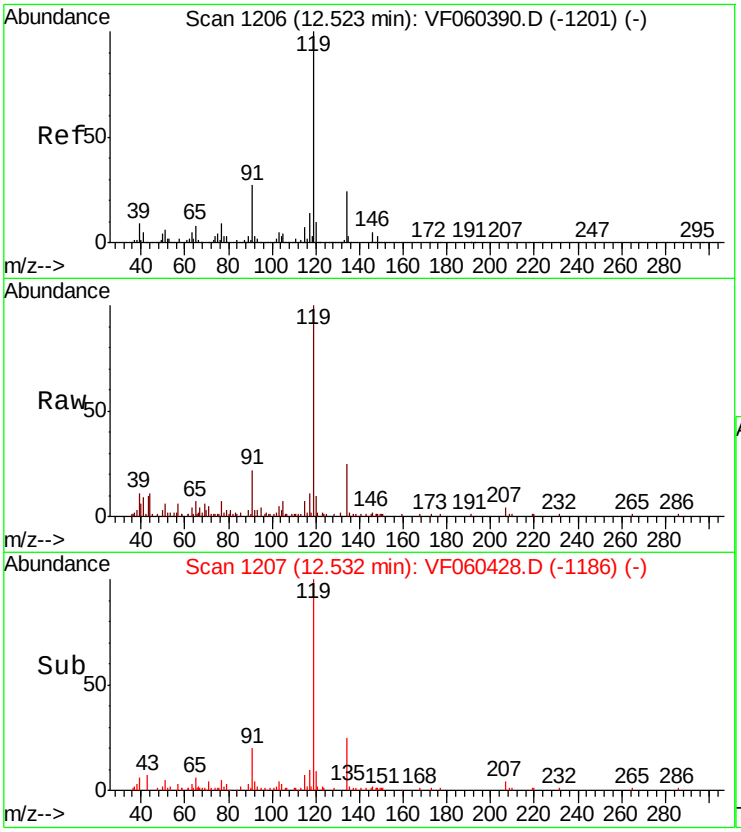


#85
sec-Butylbenzene
Concen: 2.429 ug/l
RT: 12.37 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion:105 Resp: 31132

Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.4	28.3

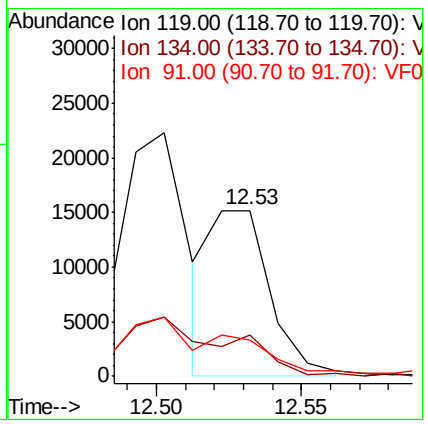




#86
p-Isopropyltoluene
Concen: 2.080 ug/l m
RT: 12.53 min Scan# 1207
Delta R.T. 0.01 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

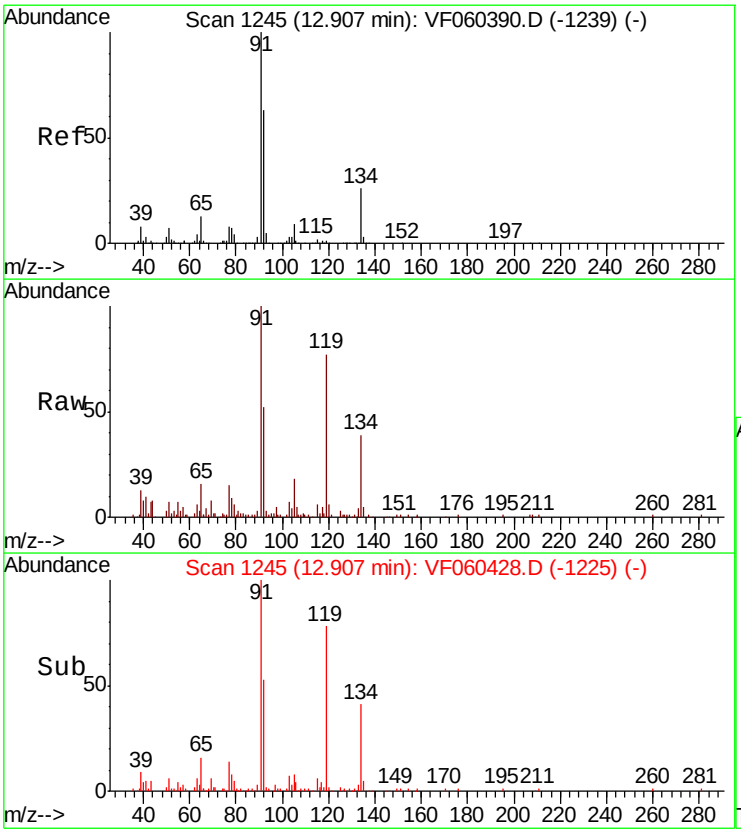
Tgt Ion:119 Resp: 21781

Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.3	36.8
91	22.2	13.5	40.4



Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-B

Manual Integrations APPROVED
apatel
10/4/2018 2:07:02 PM



#89
n-Butylbenzene
Concen: 4.672 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF060428.D
Acq: 3 Oct 2018 21:29

Tgt Ion: 91 Resp: 51772

Ion	Ratio	Lower	Upper
91	100		
92	51.9	31.3	93.9
134	39.4	13.0	38.9#