Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010919\
Data File : VF061329.D
Acq On : 10 Jan 2019 6:32
Operator : VA/AP
Sample : K1094-01
Misc : 3.48g/5mL/MSVOA-F/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : CROSSWICKS-DRUM-1

Manual Integrations APPROVED
MMDadoda
1/10/2019 3:33:18 PM

Quant Time: Jan 10 07:27:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	90338m	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.65	114	135989	50.00	ug/l	0.05
63) Chlorobenzene-d5	9.83	117	117722	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.63	152	29617	50.00	ug/l	0.07
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	97615	97.08	ug/l	0.03
Spiked Amount 50.000			Recovery = 194.16%			
35) Dibromofluoromethane	4.14	113	99614m	95.73	ug/l	0.03
Spiked Amount 50.000			Recovery = 191.46%			
50) Toluene-d8	7.60	98	163663	53.15	ug/l	0.03
Spiked Amount 50.000			Recovery = 106.30%			
62) 4-Bromofluorobenzene	11.46	95	45080	33.53	ug/l	0.05
Spiked Amount 50.000			Recovery = 67.06%			
Target Compounds						Qvalue
16) Acetone	2.25	43	642607	2747.268	ug/l #	91
25) 2-Butanone	4.36	43	29189m	77.533	ug/l	
40) Benzene	4.66	78	19534	5.269	ug/l #	66
51) 4-Methyl-2-Pentanone	8.30	43	3754480	6515.020	ug/l	98
52) Toluene	7.66	92	1322348	554.909	ug/l	97
67) Ethyl Benzene	10.09	91	42606389m	9295.603	ug/l	
68) m/p-Xylenes	10.29	106	45650474m	28552.664	ug/l	
69) o-Xylene	10.87	106	25455883m	14253.110	ug/l	
73) Isopropylbenzene	11.20	105	3183540	1221.561	ug/l	97
78) n-propylbenzene	11.65	91	13332960	4290.855	ug/l	87
80) 1,3,5-Trimethylbenzene	11.81	105	27702396	13358.803	ug/l	87
84) 1,2,4-Trimethylbenzene	12.29	105	31316438m	15210.592	ug/l	
85) sec-Butylbenzene	12.43	105	1439553m	489.350	ug/l	
86) p-Isopropyltoluene	12.50	119	4933476	2061.835	ug/l #	82
89) n-Butylbenzene	12.89	91	3664957m	1490.721	ug/l	
95) Naphthalene	14.47	128	134690	107.469	ug/l	99

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

Quantitation Report (QT Reviewed)

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Data File : VF061329.D
Acq On : 10 Jan 2019 6:32
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Response via : Initial Calibration

Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

Manual Integrations APPROVED
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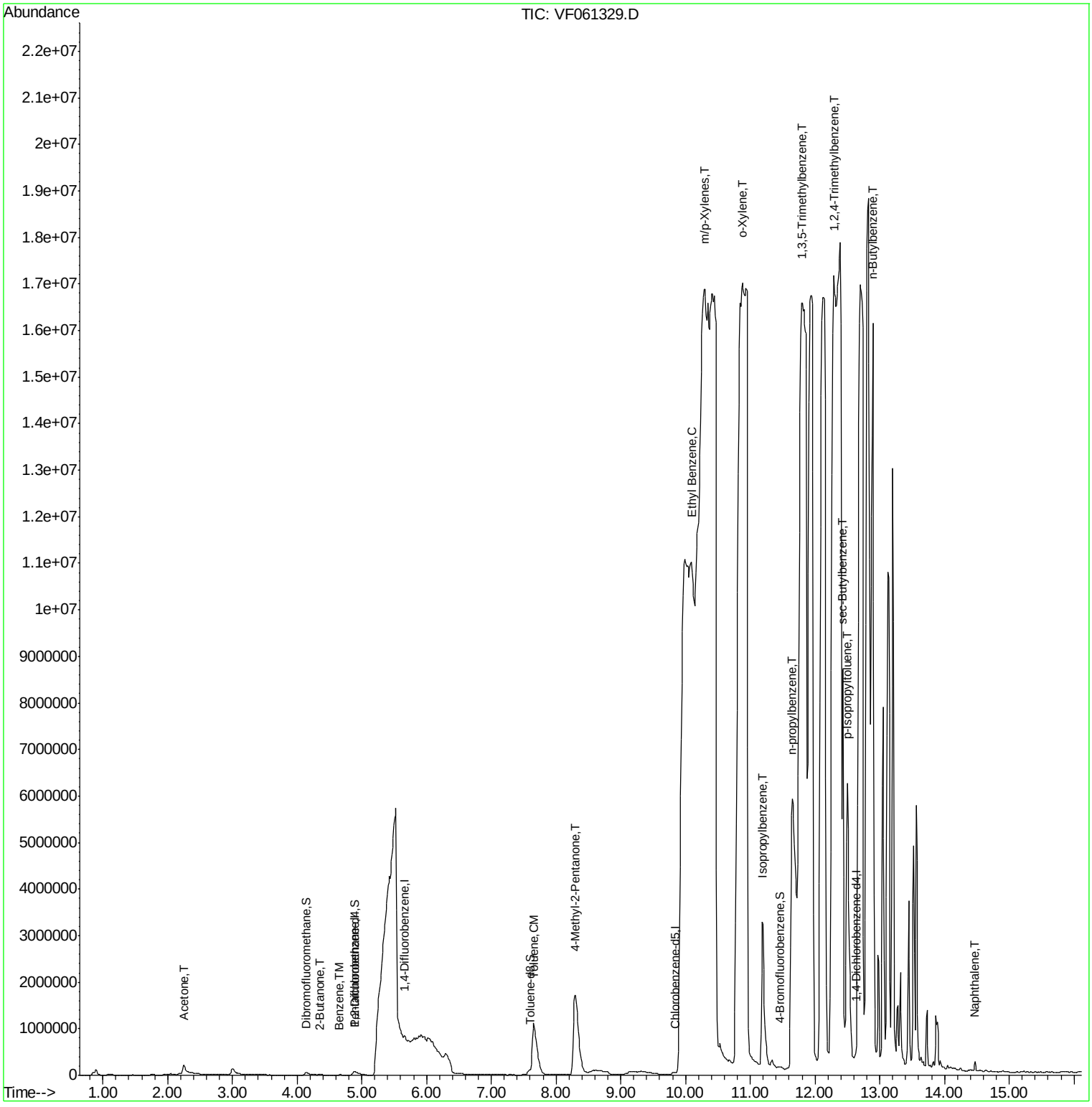
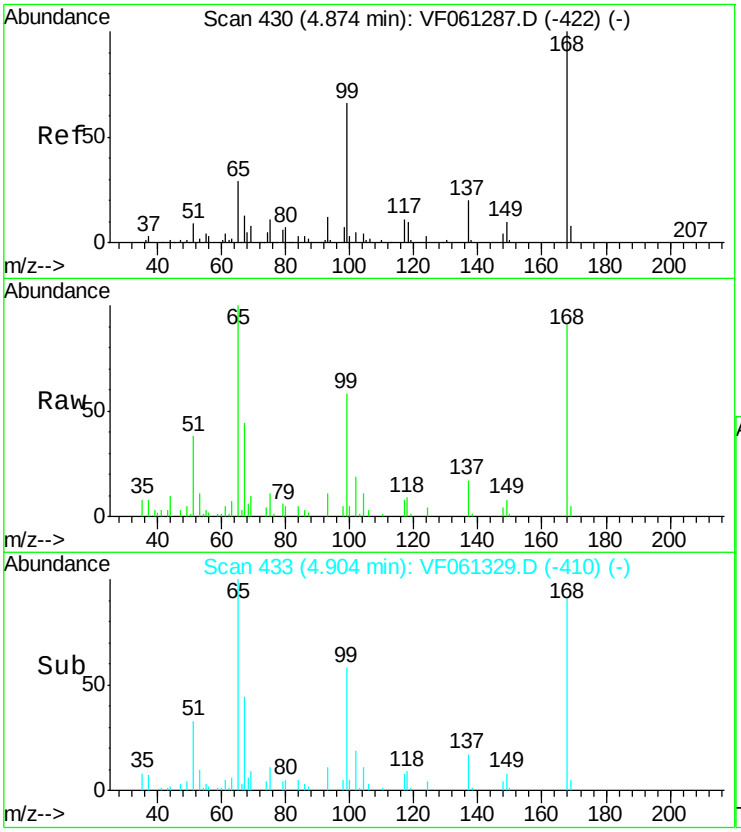
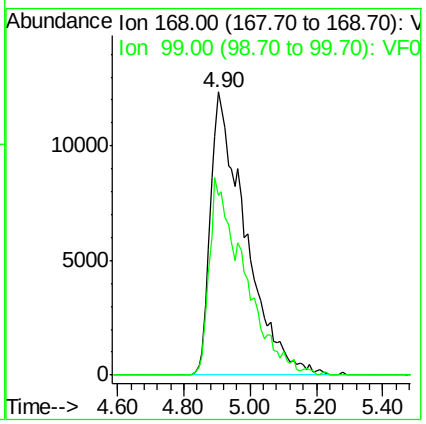




#1
Pentafluorobenzene
Concen: 50.000 ug/l m
RT: 4.90 min Scan# 433
Delta R.T. 0.03 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion:168 Resp: 90338

Ion	Ratio	Lower	Upper
168	100		
99	63.3	52.7	79.1



Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

Manual Integrations APPROVED
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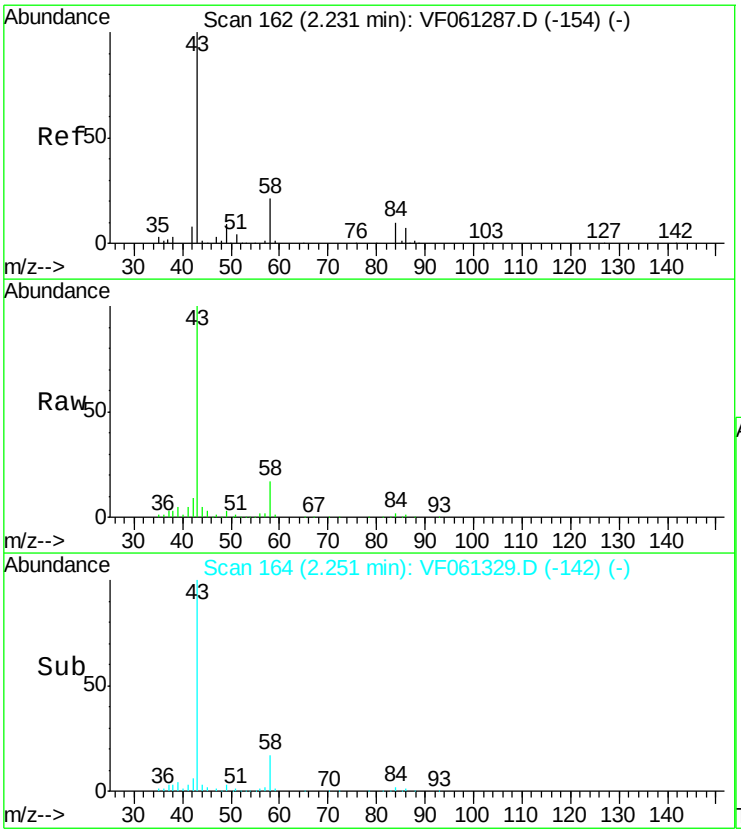
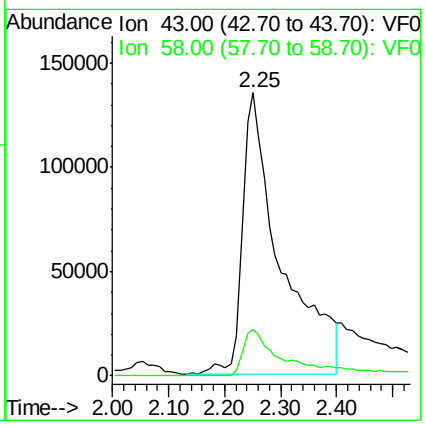
1/10/2019 3:33:18 PM

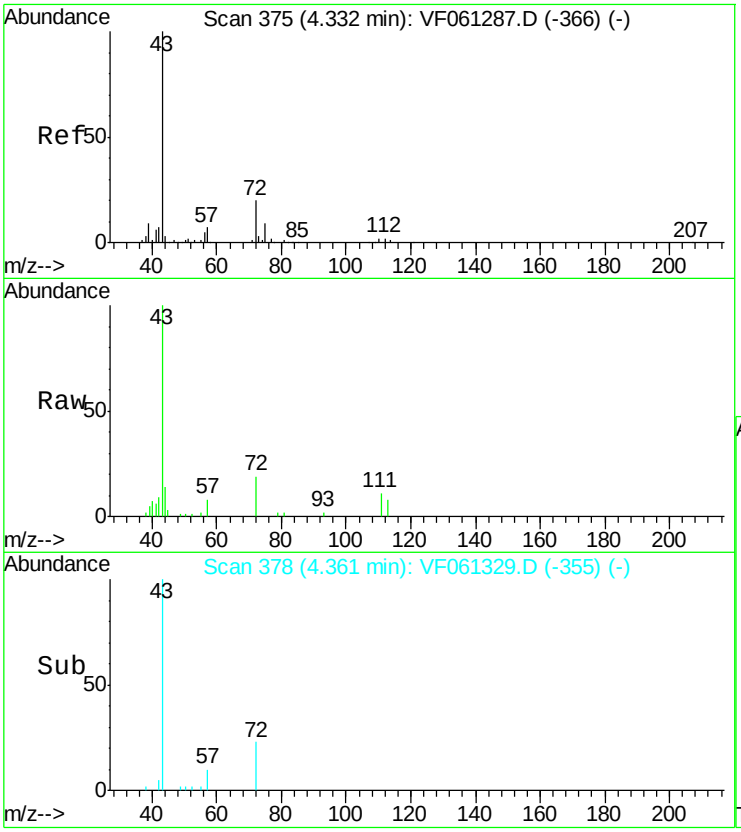


#16
Acetone
Concen: 2747.268 ug/l
RT: 2.25 min Scan# 164
Delta R.T. 0.02 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion: 43 Resp: 642607

Ion	Ratio	Lower	Upper
43	100		
58	16.5	16.6	25.0#

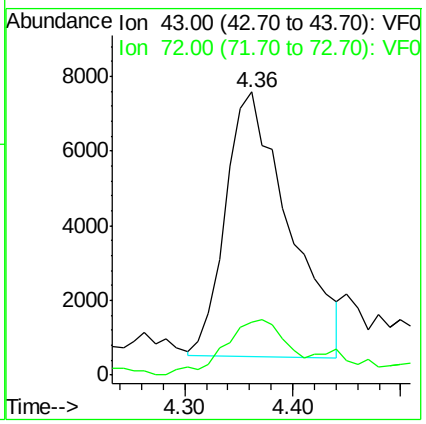




#25
2-Butanone
Concen: 77.533 ug/l m
RT: 4.36 min Scan# 378
Delta R.T. 0.03 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion: 43 Resp: 29189

Ion	Ratio	Lower	Upper
43	100		
72	18.6	16.5	24.7



Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

Manual Integrations APPROVED
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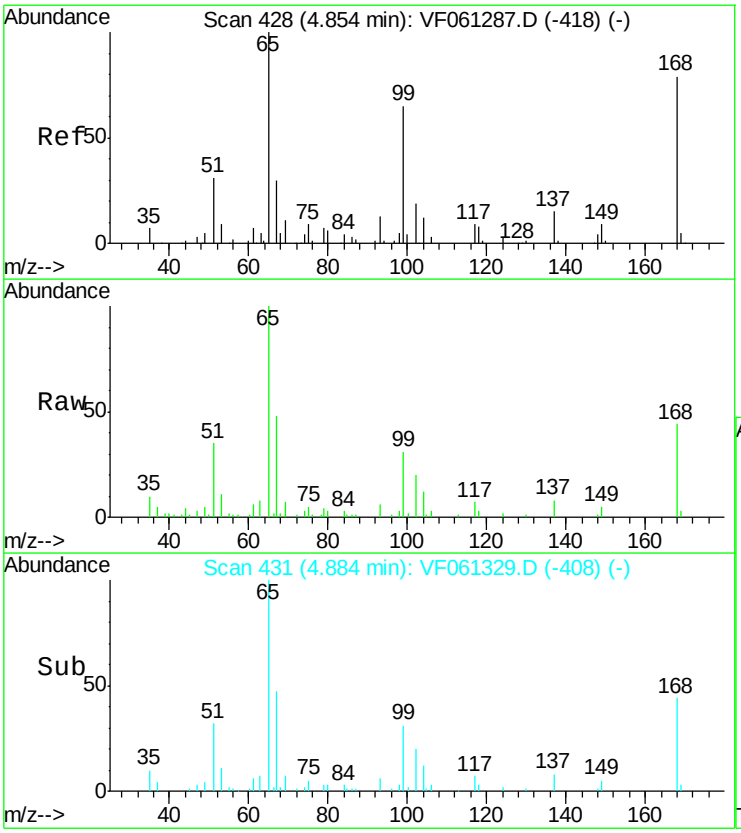
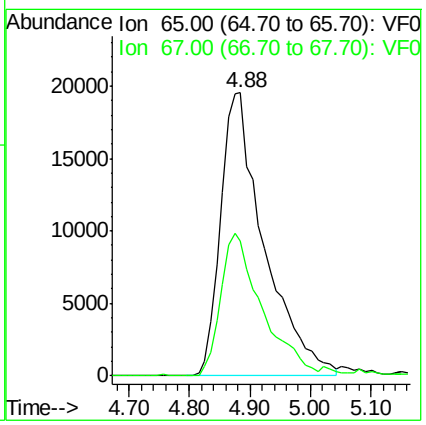
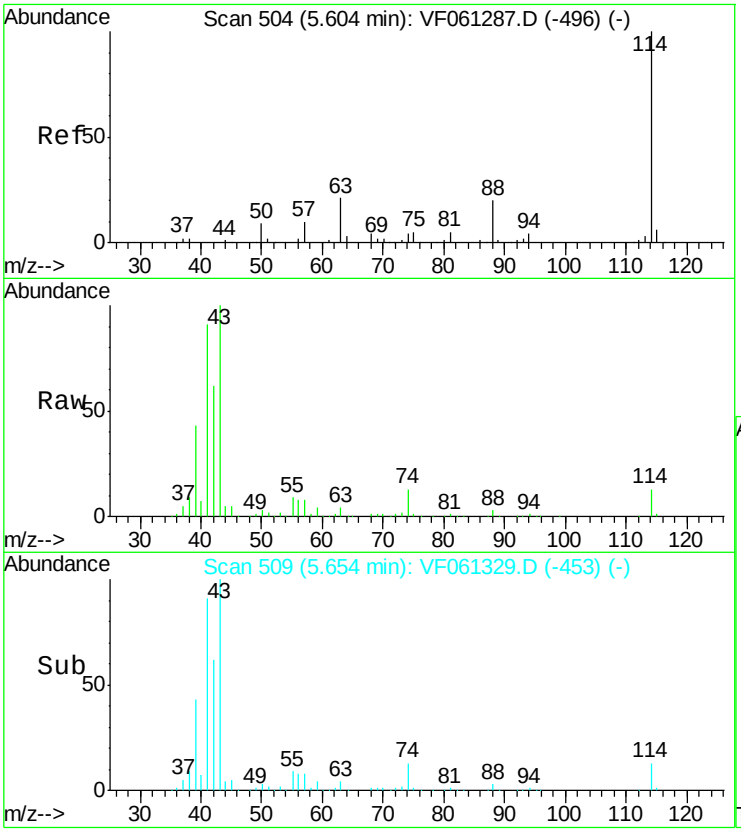


#33
1,2-Dichloroethane-d4
Concen: 97.080 ug/l
RT: 4.88 min Scan# 431
Delta R.T. 0.03 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion: 65 Resp: 97615

Ion	Ratio	Lower	Upper
65	100		
67	47.9	0.0	98.2

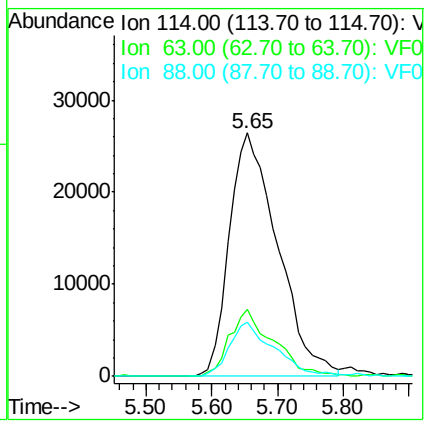




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 509
Delta R.T. 0.05 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion:114 Resp: 135989

Ion	Ratio	Lower	Upper
114	100		
63	27.5	0.0	42.8
88	22.5	0.0	40.0



Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

Manual Integrations APPROVED
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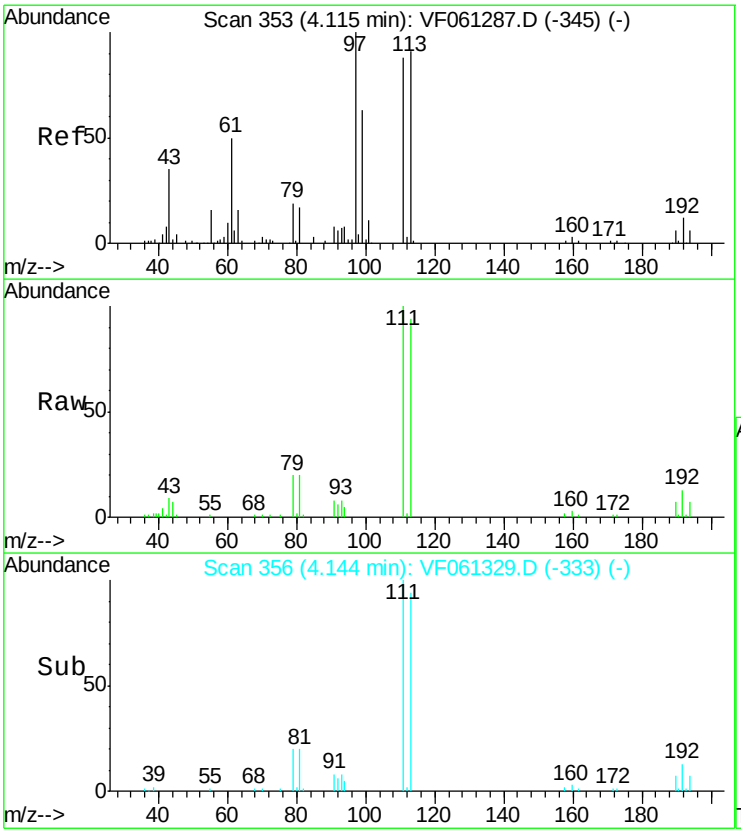
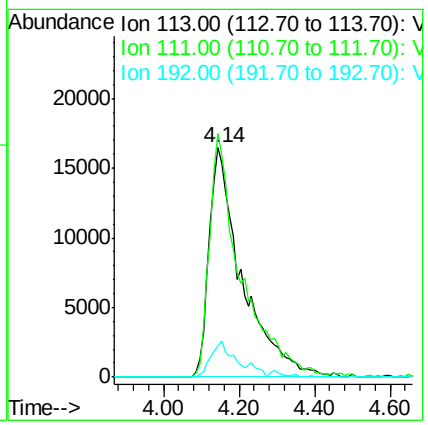
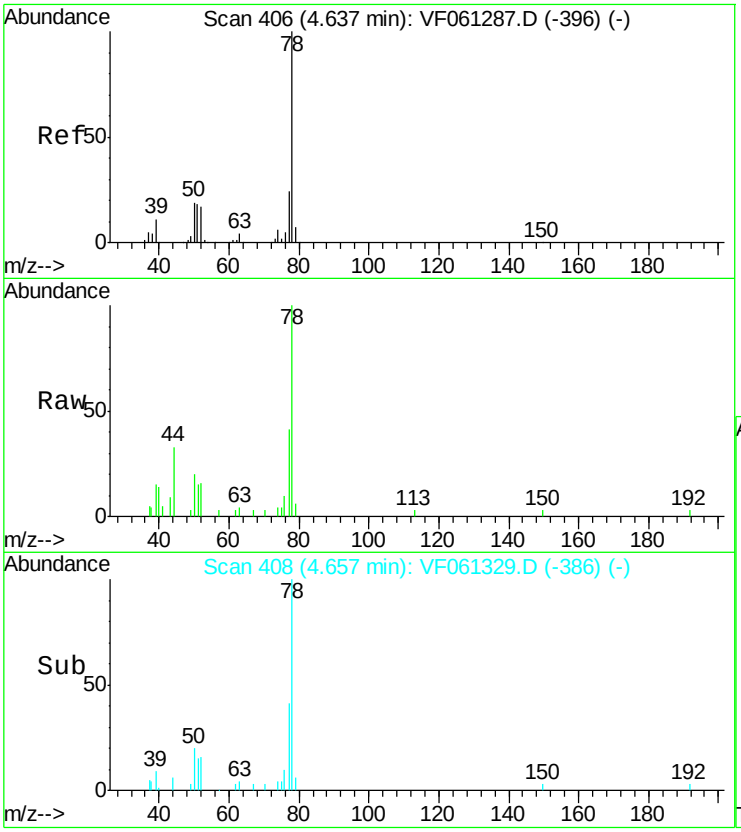


#35
Dibromofluoromethane
Concen: 95.733 ug/l m
RT: 4.14 min Scan# 356
Delta R.T. 0.03 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion:113 Resp: 99614

Ion	Ratio	Lower	Upper
113	100		
111	106.2	78.0	117.0
192	13.6	10.6	16.0





#40
Benzene
Concen: 5.269 ug/l
RT: 4.66 min Scan# 408
Delta R.T. 0.02 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion: 78 Resp: 19534

Ion	Ratio	Lower	Upper
78	100		
77	40.6	19.1	28.7#

Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

Manual Integrations APPROVED
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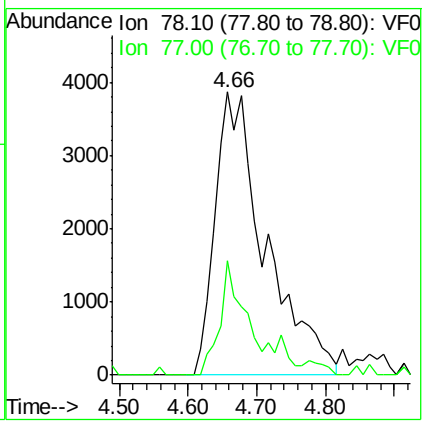
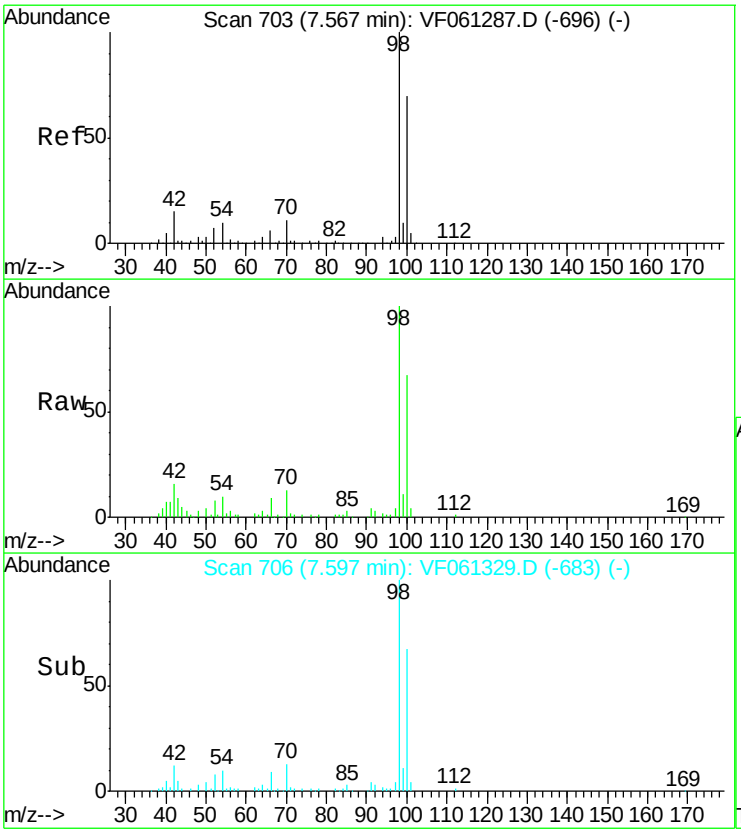
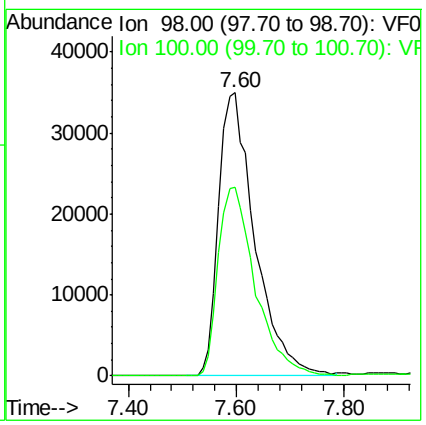


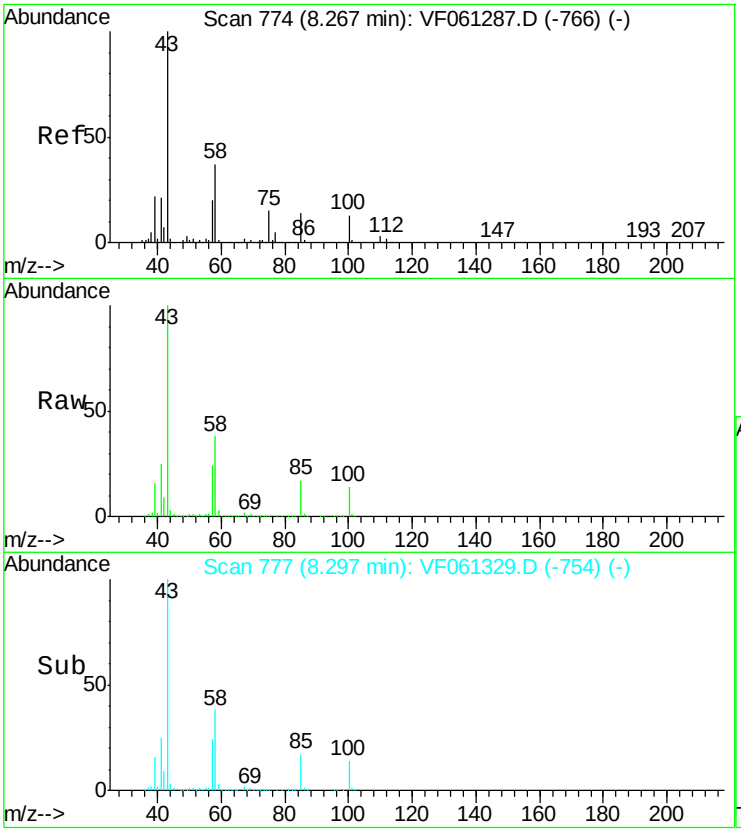


#50
Toluene-d8
Concen: 53.151 ug/l
RT: 7.60 min Scan# 706
Delta R.T. 0.03 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion: 98 Resp: 163663

Ion	Ratio	Lower	Upper
98	100		
100	66.8	55.6	83.4

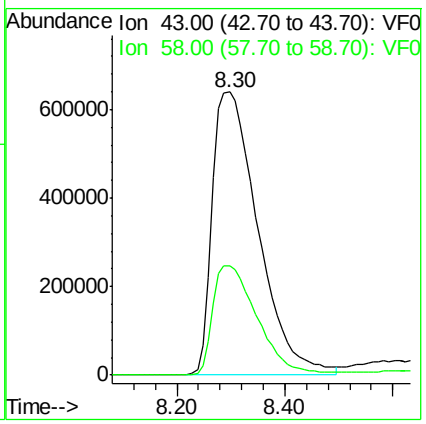




#51
4-Methyl-2-Pentanone
Concen: 6515.020 ug/l
RT: 8.30 min Scan# 777
Delta R.T. 0.03 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion: 43 Resp: 3754480

Ion	Ratio	Lower	Upper
43	100		
58	38.4	29.6	44.4



Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

Manual Integrations APPROVED
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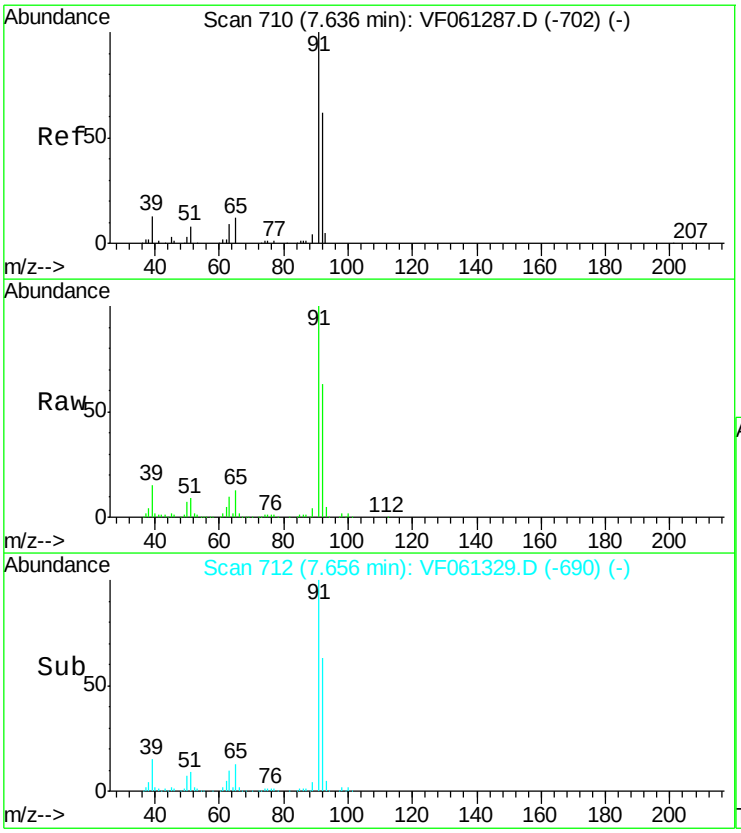
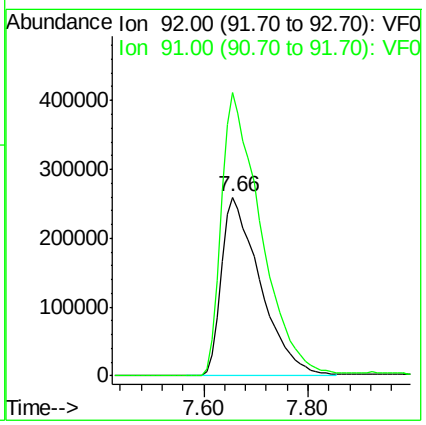
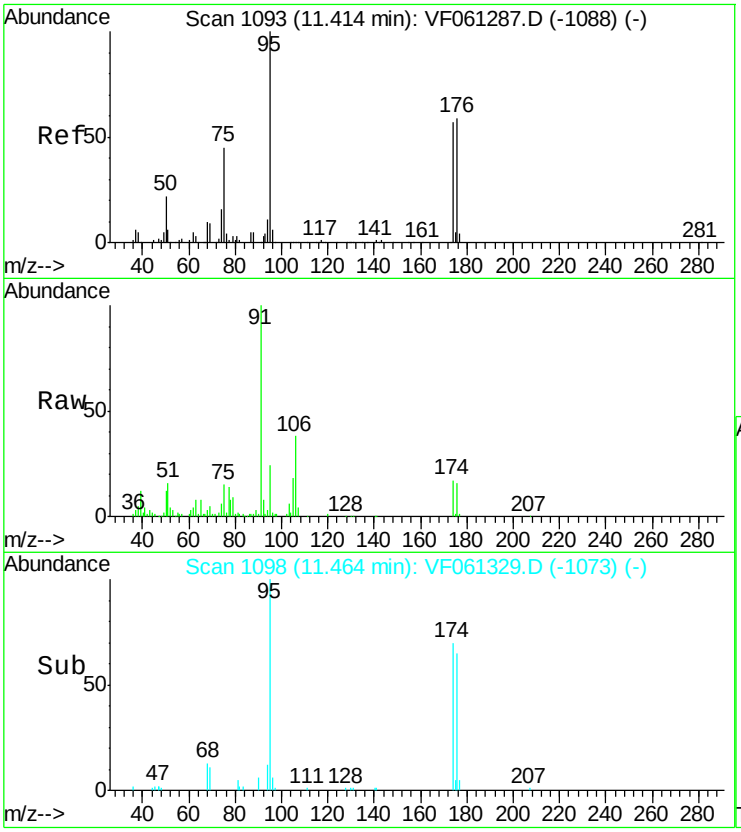


#52
Toluene
Concen: 554.909 ug/l
RT: 7.66 min Scan# 712
Delta R.T. 0.02 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion: 92 Resp: 1322348

Ion	Ratio	Lower	Upper
92	100		
91	158.1	129.2	193.8

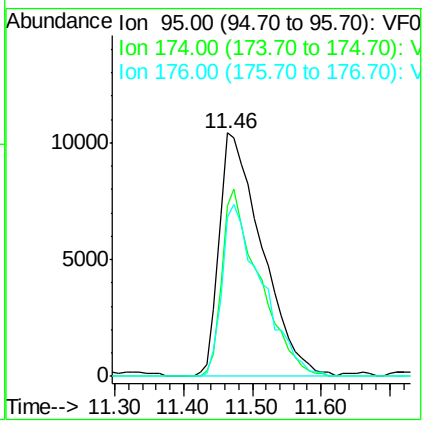




#62
4-Bromofluorobenzene
Concen: 33.527 ug/l
RT: 11.46 min Scan# 1098
Delta R.T. 0.05 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

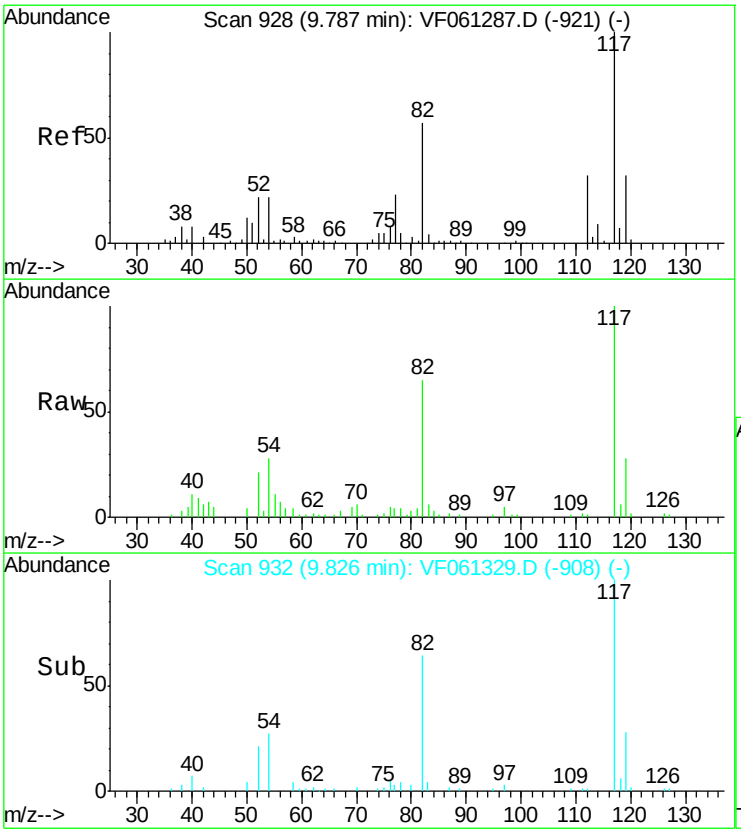
Tgt Ion: 95 Resp: 45080

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	114.2
176	65.4	0.0	117.8



Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

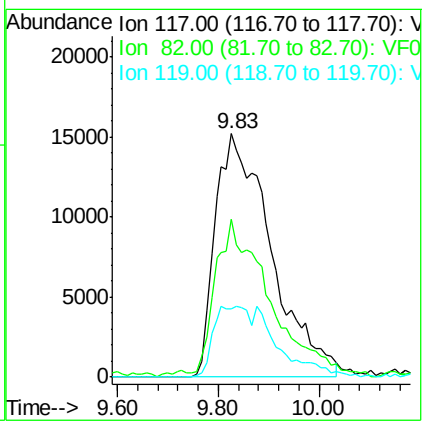
Manual Integrations APPROVED
MMDadoda
1/10/2019 3:33:18 PM

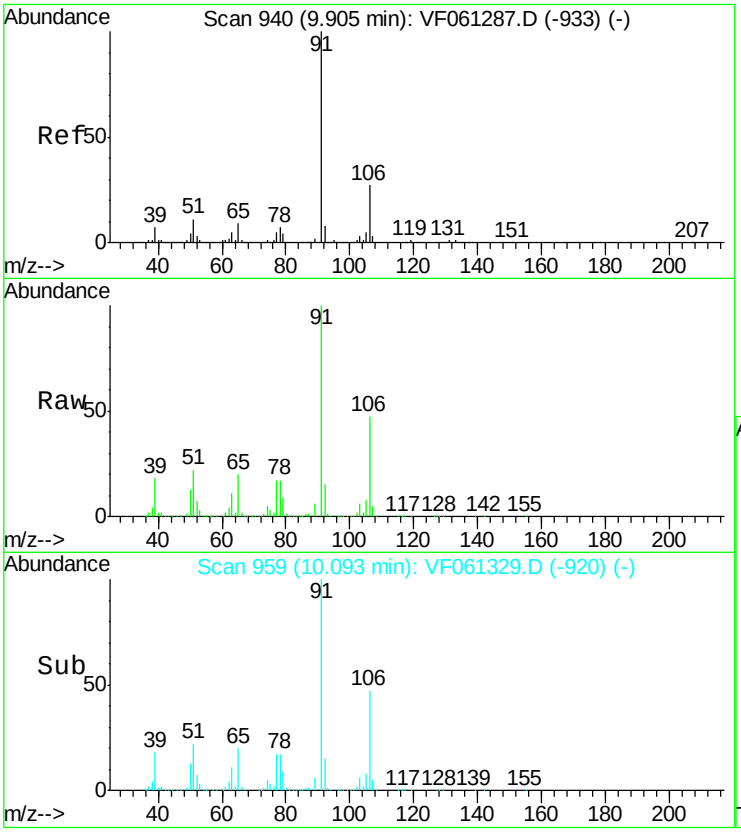


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.83 min Scan# 932
Delta R.T. 0.04 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion:117 Resp: 117722

Ion	Ratio	Lower	Upper
117	100		
82	65.1	45.3	67.9
119	28.2	25.4	38.0





#67
Ethyl Benzene
Concen: 9295.603 ug/l m
RT: 10.09 min Scan# 959
Delta R.T. 0.19 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion: 91 Resp:42606389

Ion	Ratio	Lower	Upper
91	100		
106	46.8	21.4	32.2#

Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

Manual Integrations APPROVED
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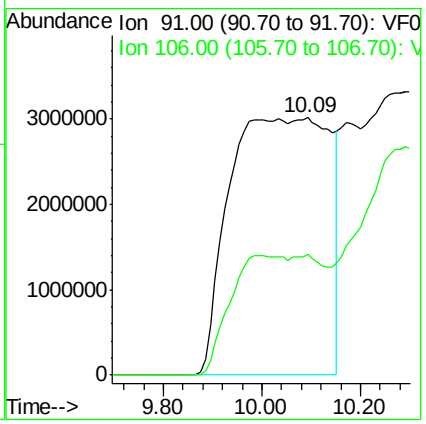
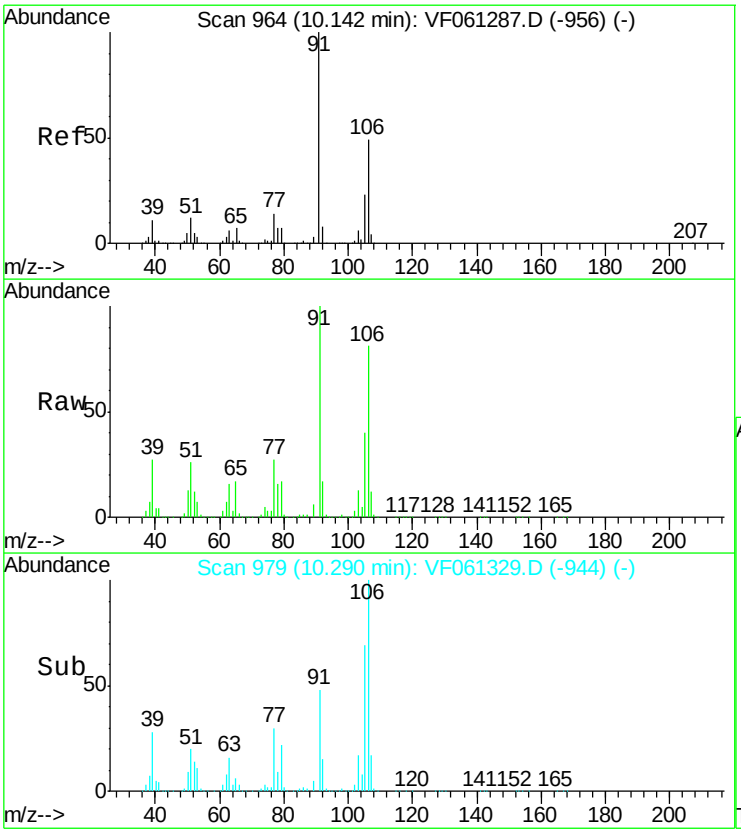
1/10/2019 3:33:18 PM

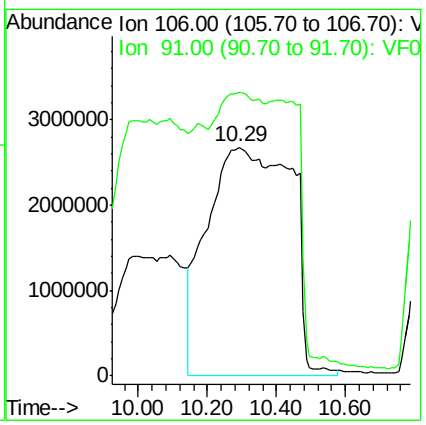


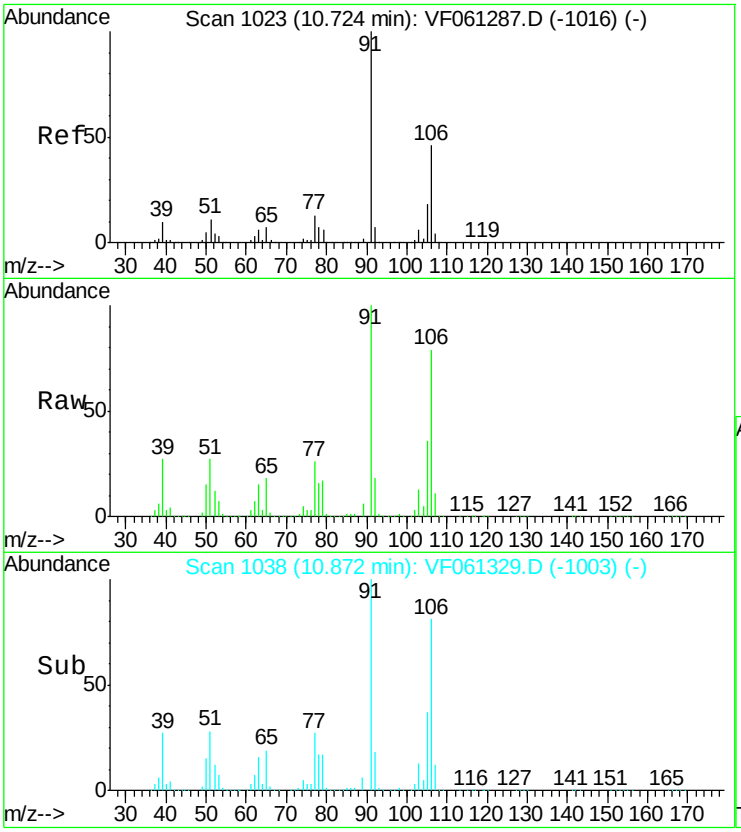


#68
m/p-Xylenes
Concen: 28552.664 ug/l m
RT: 10.29 min Scan# 979
Delta R.T. 0.15 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion:106 Resp:45650474

Ion	Ratio	Lower	Upper
106	100		
91	123.9	165.0	247.6#





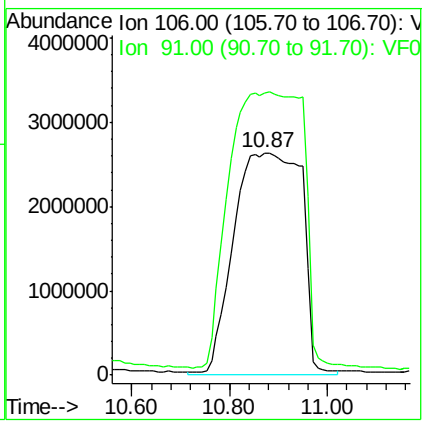
#69
o-Xylene
Concen: 14253.110 ug/l m
RT: 10.87 min Scan# 1038
Delta R.T. 0.15 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

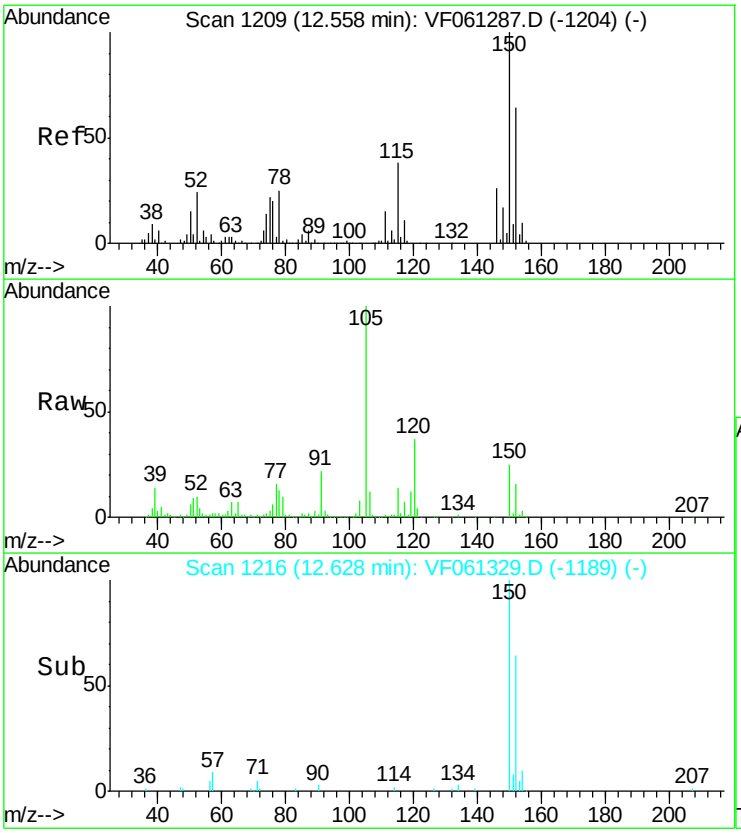
Tgt Ion:106 Resp:25455883

Ion	Ratio	Lower	Upper
106	100		
91	127.0	108.1	324.4

Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

Manual Integrations APPROVED
MMDadoda
1/10/2019 3:33:18 PM

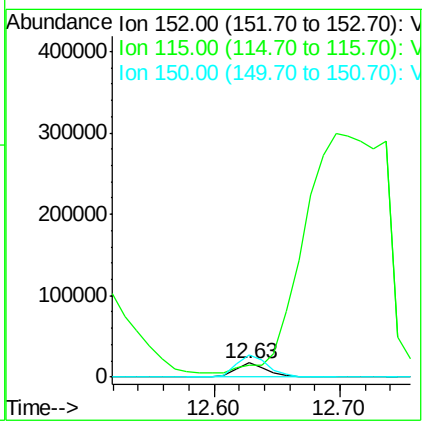


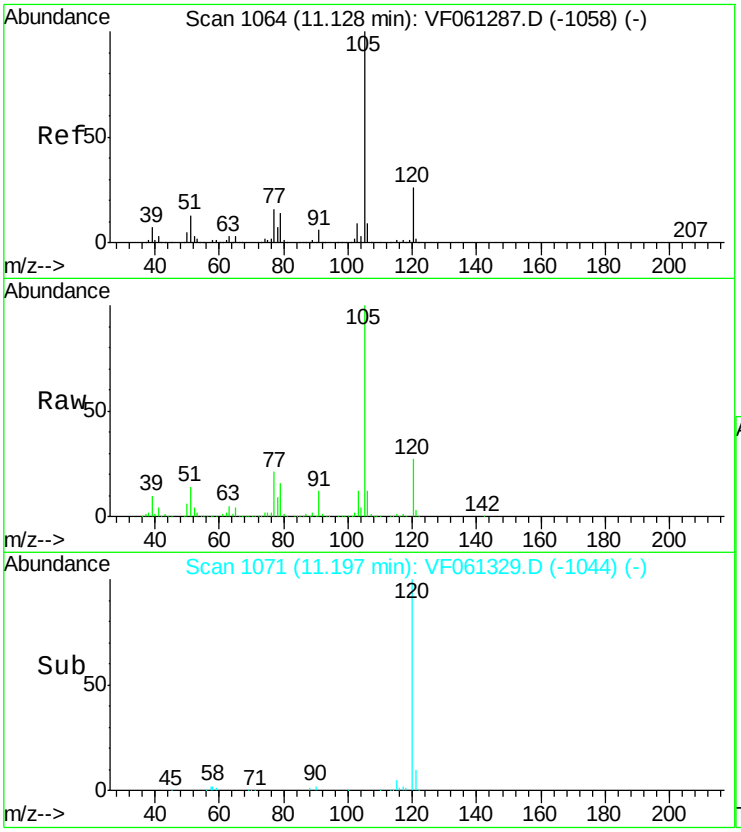


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1216
Delta R.T. 0.07 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion:152 Resp: 29617

Ion	Ratio	Lower	Upper
152	100		
115	85.0	29.6	88.9
150	154.3	0.0	315.4





#73
Isopropylbenzene
Concen: 1221.561 ug/l
RT: 11.20 min Scan# 1071
Delta R.T. 0.07 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion:105 Resp: 3183540

Ion	Ratio	Lower	Upper
105	100		
120	27.1	12.9	38.7

Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

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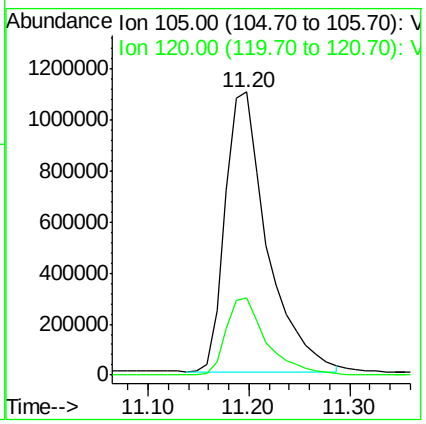
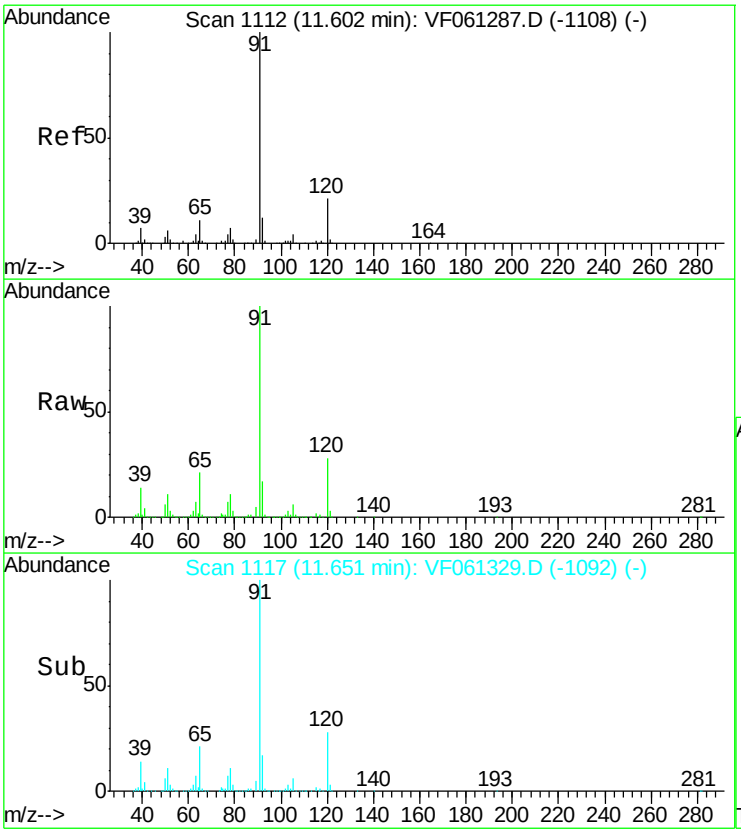
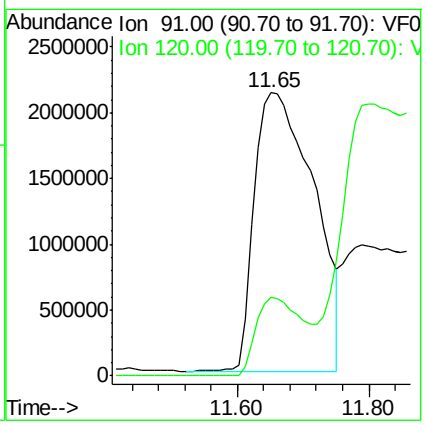


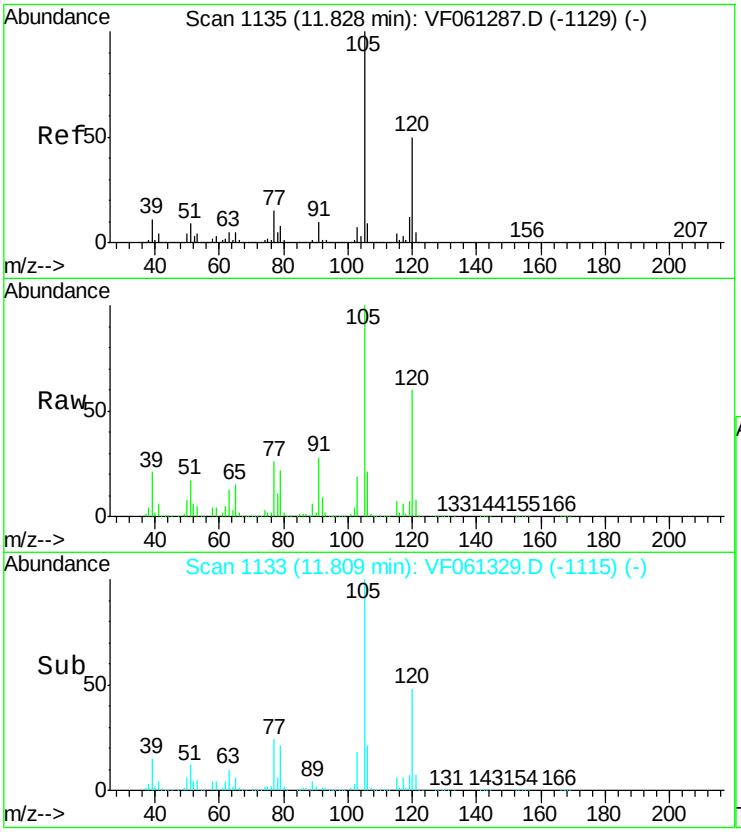


#78
n-propylbenzene
Concen: 4290.855 ug/l
RT: 11.65 min Scan# 1117
Delta R.T. 0.05 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion: 91 Resp:13332960

Ion	Ratio	Lower	Upper
91	100		
120	27.6	10.7	32.1

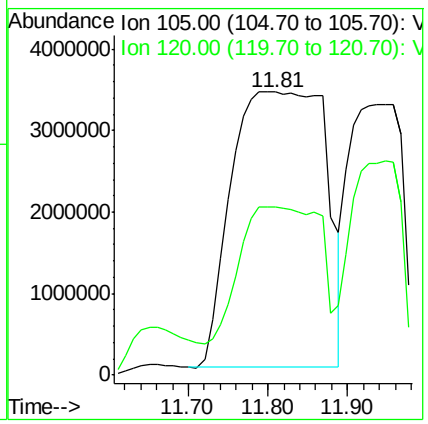




#80
1,3,5-Trimethylbenzene
Concen: 13358.803 ug/l
RT: 11.81 min Scan# 1133
Delta R.T. -0.02 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion:105 Resp:27702396

Ion	Ratio	Lower	Upper
105	100		
120	59.6	25.2	75.6



Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

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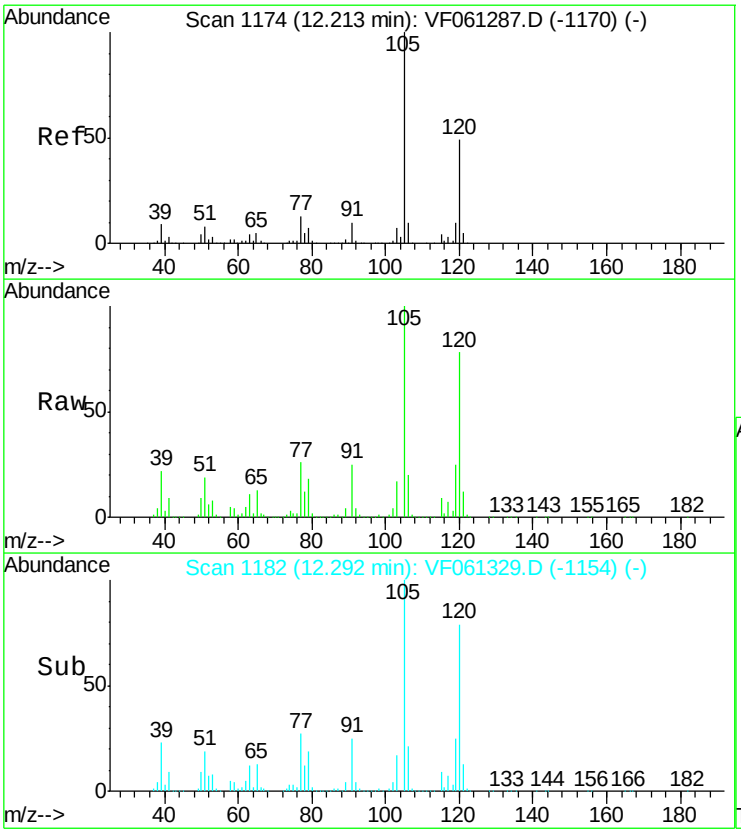
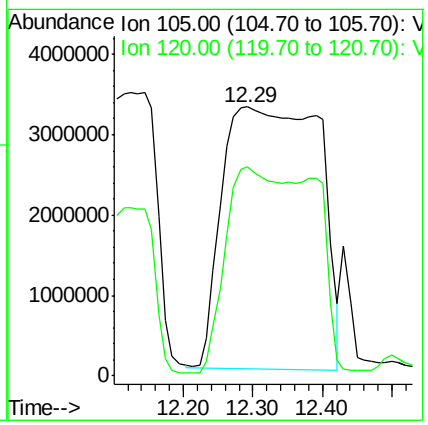
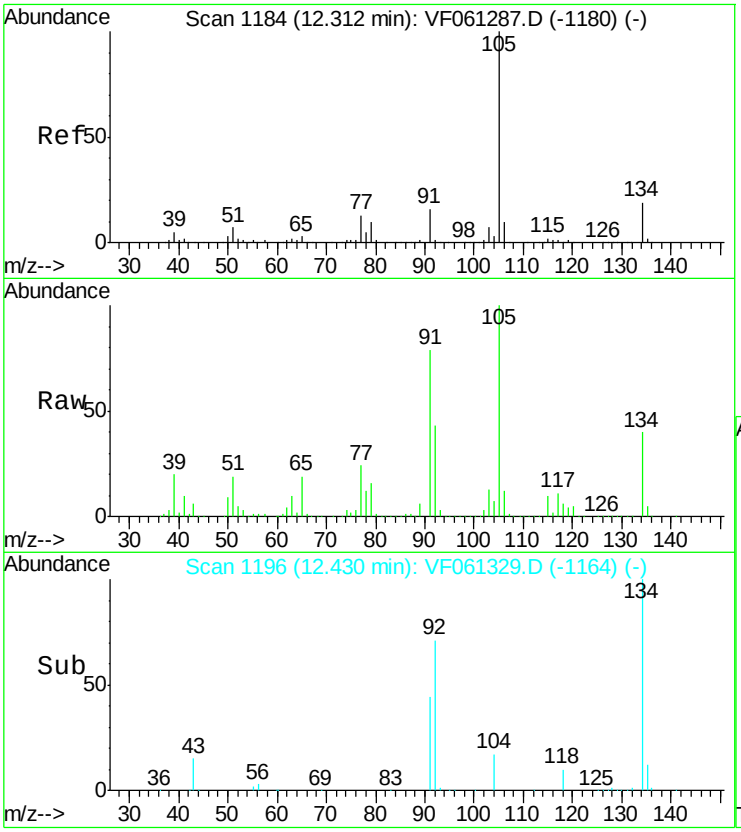


#84
1,2,4-Trimethylbenzene
Concen: 15210.592 ug/l m
RT: 12.29 min Scan# 1182
Delta R.T. 0.08 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion:105 Resp:31316438

Ion	Ratio	Lower	Upper
105	100		
120	77.7	24.7	74.1#





#85
sec-Butylbenzene
Concen: 489.350 ug/l m
RT: 12.43 min Scan# 1196
Delta R.T. 0.12 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion:105 Resp: 1439553

Ion	Ratio	Lower	Upper
105	100		
134	40.3	9.7	28.9#

Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

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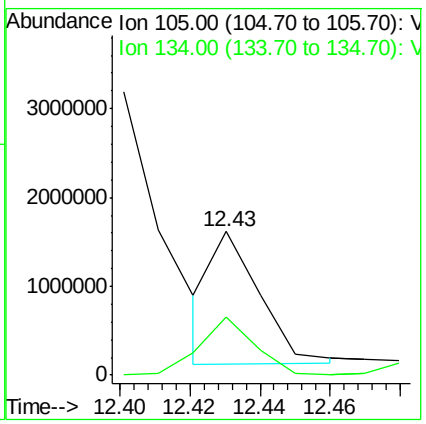
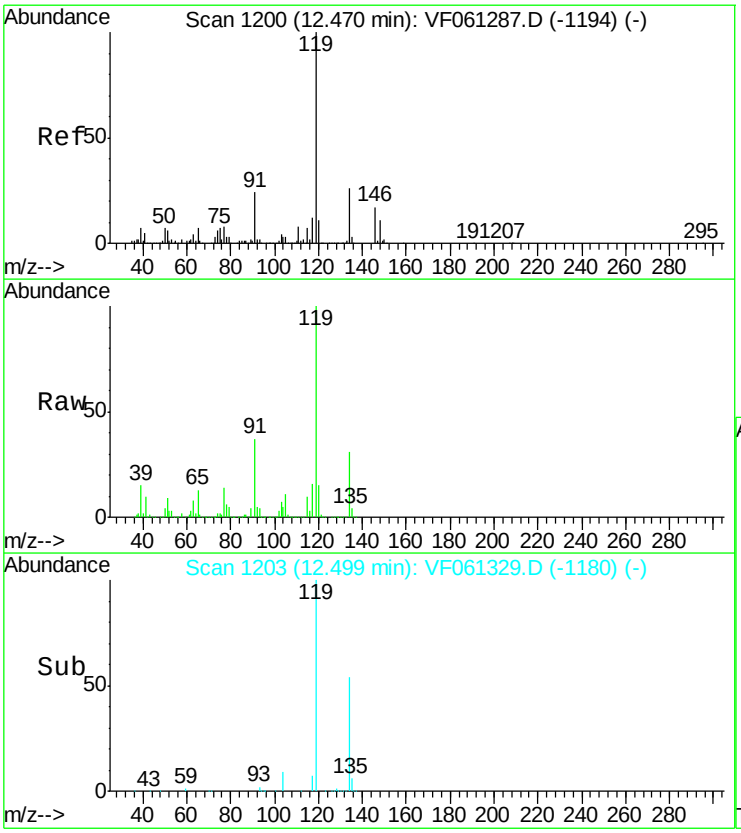
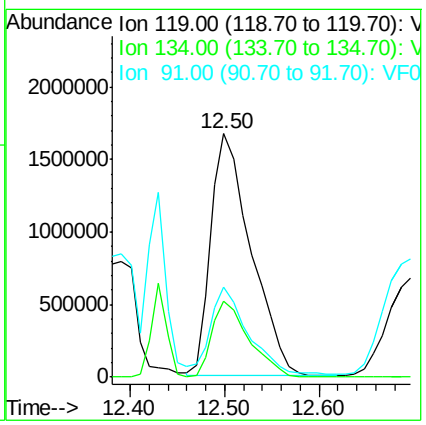


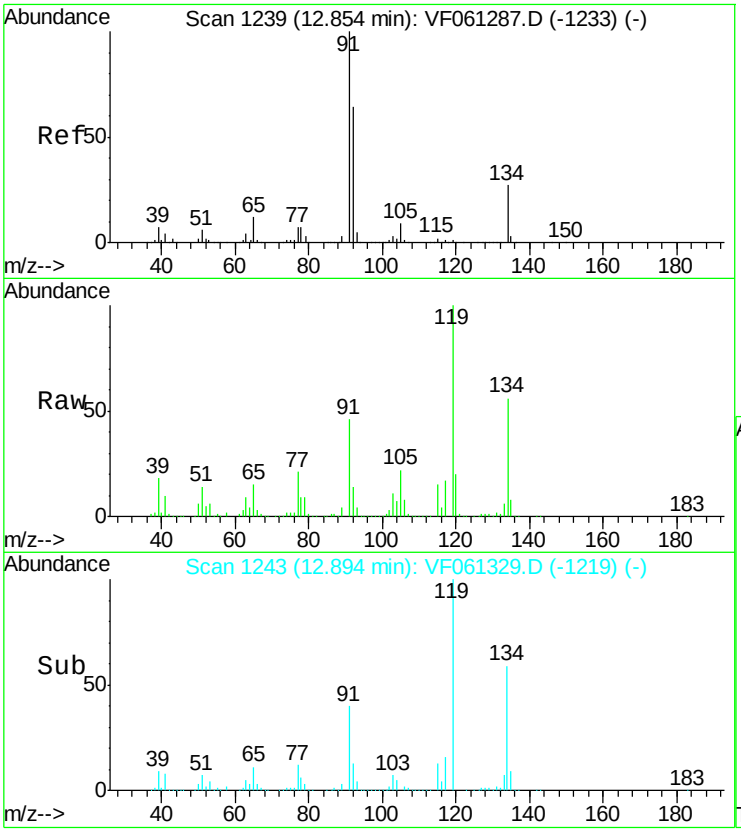


#86
p-Isopropyltoluene
Concen: 2061.835 ug/l
RT: 12.50 min Scan# 1203
Delta R.T. 0.03 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion:119 Resp: 4933476

Ion	Ratio	Lower	Upper
119	100		
134	31.4	13.0	39.0
91	36.7	12.2	36.4#





#89
n-Butylbenzene
Concen: 1490.721 ug/l m
RT: 12.89 min Scan# 1243
Delta R.T. 0.04 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion: 91 Resp: 3664957

Ion	Ratio	Lower	Upper
91	100		
92	30.1	32.1	96.3#
134	122.5	13.4	40.1#

Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

Manual Integrations APPROVED
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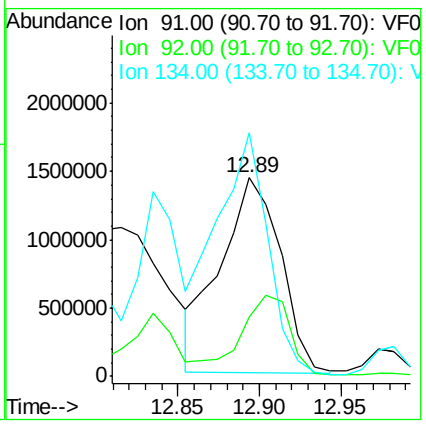
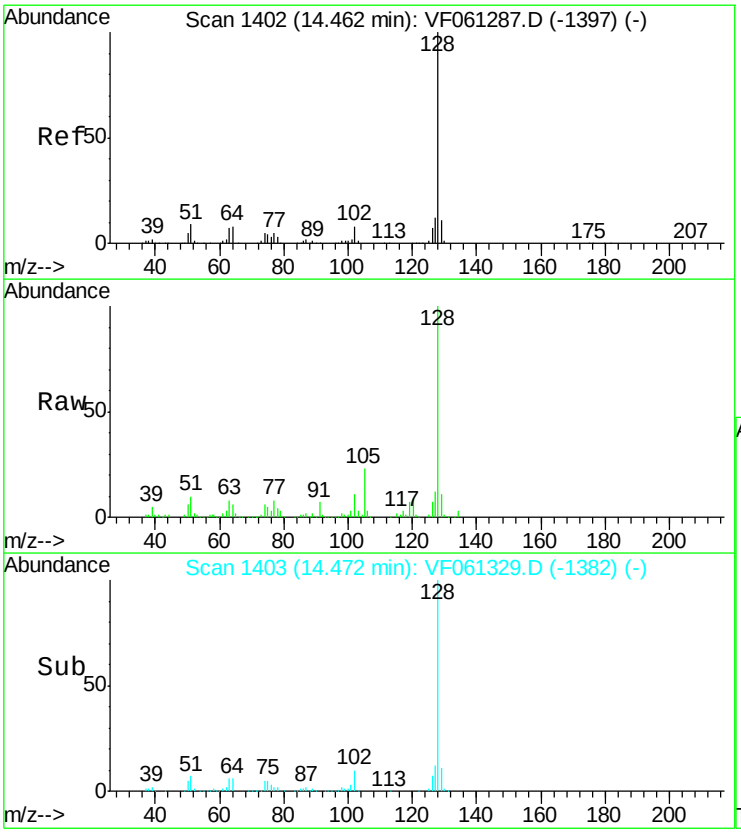
1/10/2019 3:33:18 PM





#95
Naphthalene
Concen: 107.469 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion:128 Resp: 134690

Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.4	14.0
129	11.1	8.8	13.2