Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
Data File : VF062814.D
Acq On : 31 May 2019 17:42
Operator : FY/SY
Sample : K2641-13
Misc : 6.68g/5mL/MSVOA F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : CL-02-053119-A

Manual Integrations APPROVED
MMDadoda
6/4/2019 8:45:25 AM

Quant Time: Jun 01 01:38:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	701242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1238610	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.93	117	839144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	334265	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	211727	43.66	ug/l	0.00
Spiked Amount 50.000			Recovery = 87.32%			
35) Dibromofluoromethane	4.33	113	392077	41.89	ug/l	0.00
Spiked Amount 50.000			Recovery = 83.78%			
50) Toluene-d8	7.73	98	819820	34.64	ug/l	0.00
Spiked Amount 50.000			Recovery = 69.28%			
62) 4-Bromofluorobenzene	11.51	95	274088	32.19	ug/l	0.00
Spiked Amount 50.000			Recovery = 64.38%			
Target Compounds						Qvalue
16) Acetone	2.36	43	82209	74.072	ug/l	98
39) Methylcyclohexane	5.65	83	56960	4.014	ug/l #	83
52) Toluene	7.80	92	67293	3.765	ug/l	86
67) Ethyl Benzene	10.05	91	126615	4.553	ug/l	98
68) m/p-Xylenes	10.28	106	123070	11.565	ug/l	79
69) o-Xylene	10.84	106	79314	7.362	ug/l	95
73) Isopropylbenzene	11.22	105	38336	1.644	ug/l	85
78) n-propylbenzene	11.69	91	102054	3.624	ug/l	92
80) 1,3,5-Trimethylbenzene	11.90	105	96696	5.070	ug/l	88
84) 1,2,4-Trimethylbenzene	12.28	105	345981	19.131	ug/l	89
85) sec-Butylbenzene	12.38	105	46644	1.873	ug/l	94
86) p-Isopropyltoluene	12.52	119	23279m	1.123	ug/l	
89) n-Butylbenzene	12.91	91	67046	3.215	ug/l	83
95) Naphthalene	14.51	128	86611	8.476	ug/l #	85

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF053119\
Data File : VF062814.D
Acq On : 31 May 2019 17:42
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Misc : 6.68g/5mL/MSVOA_F/SOIL
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Response via : Initial Calibration

Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-A

Manual Integrations APPROVED
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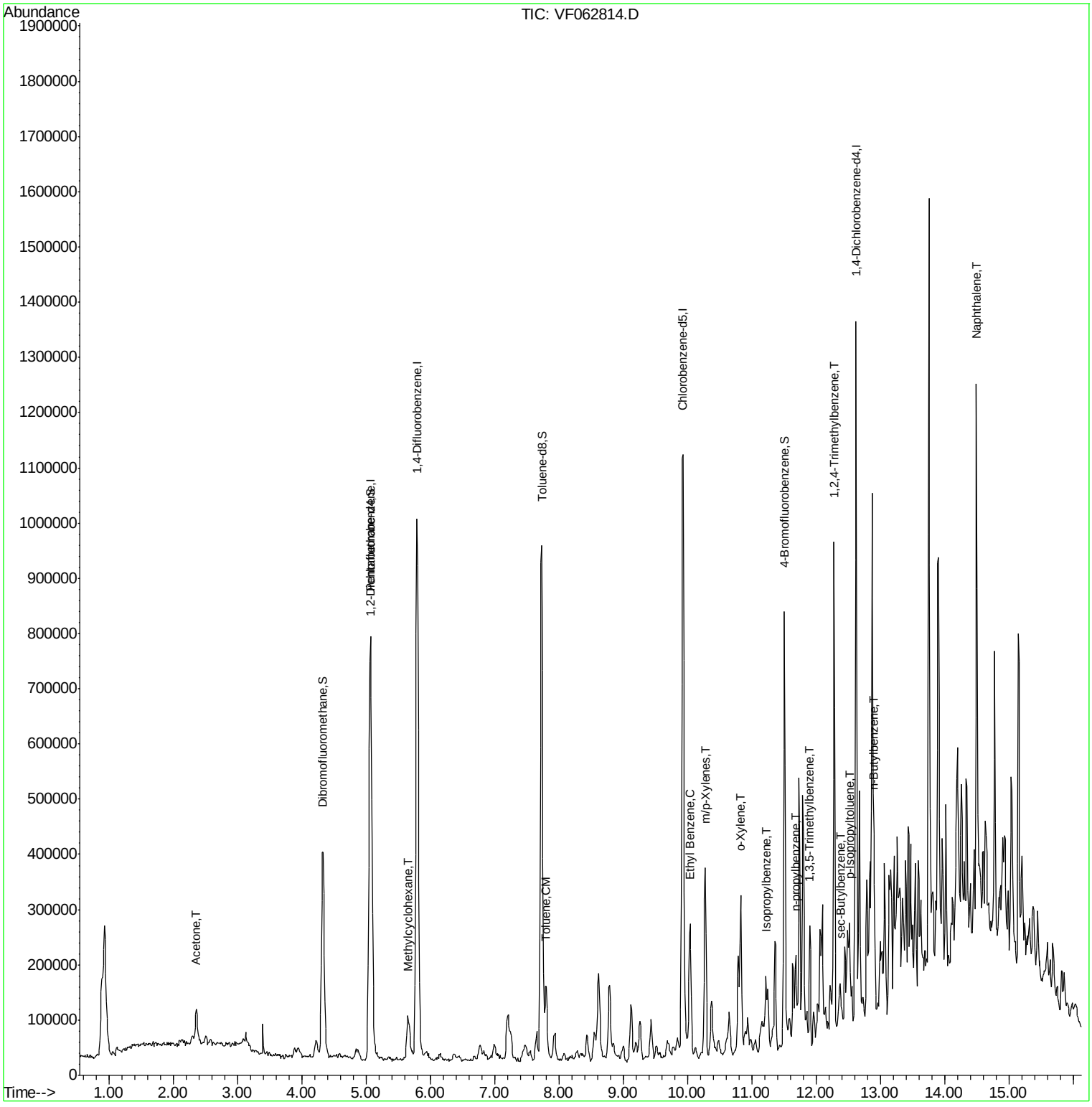
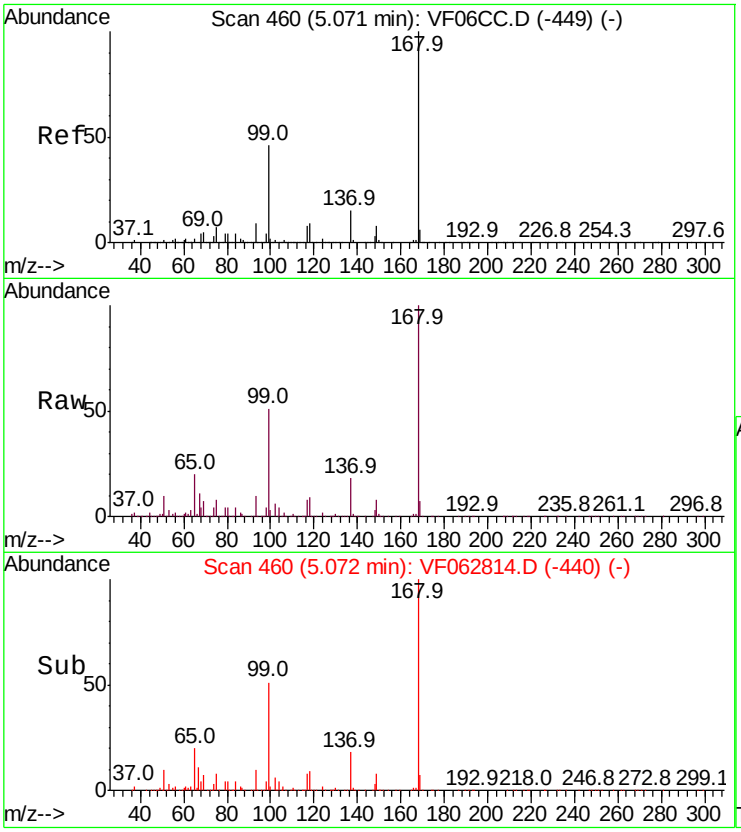
6/4/2019 8:45:25 AM

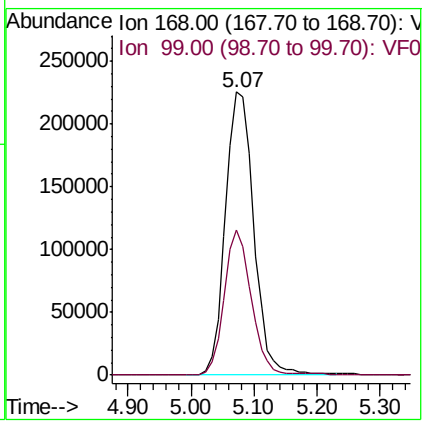




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.07 min Scan# 460
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

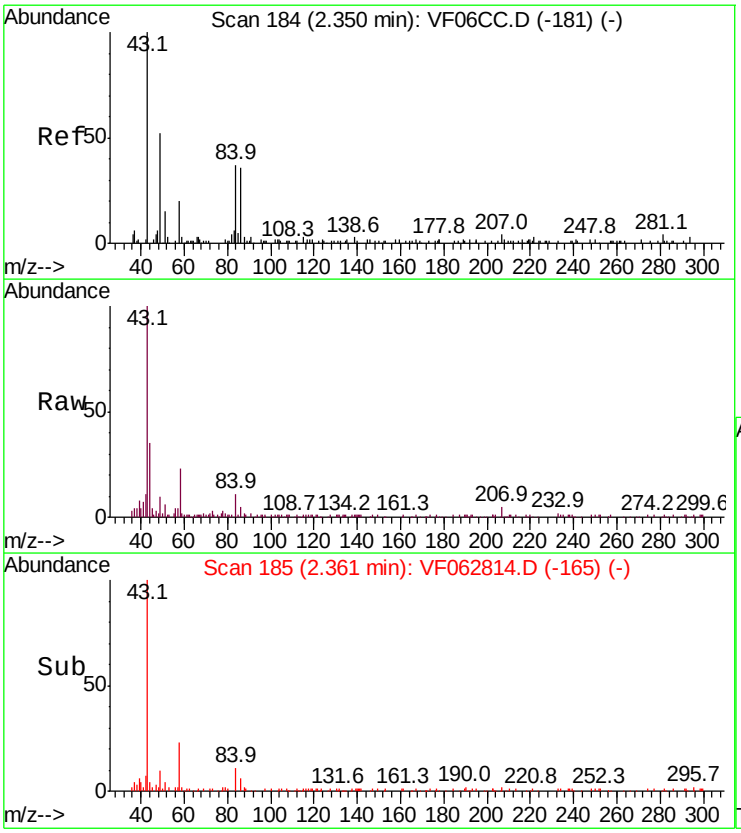
Tgt Ion:168 Resp: 701242

Ion	Ratio	Lower	Upper
168	100		
99	51.4	39.1	58.7



Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-A

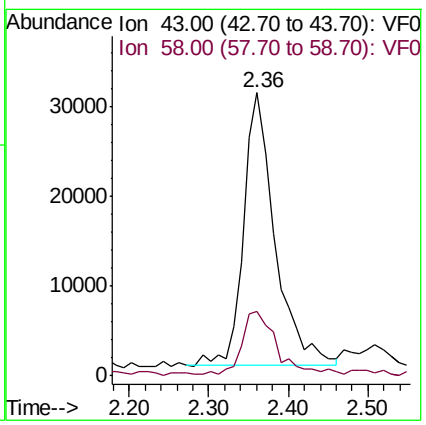
Manual Integrations APPROVED
MMDadoda
6/4/2019 8:45:25 AM

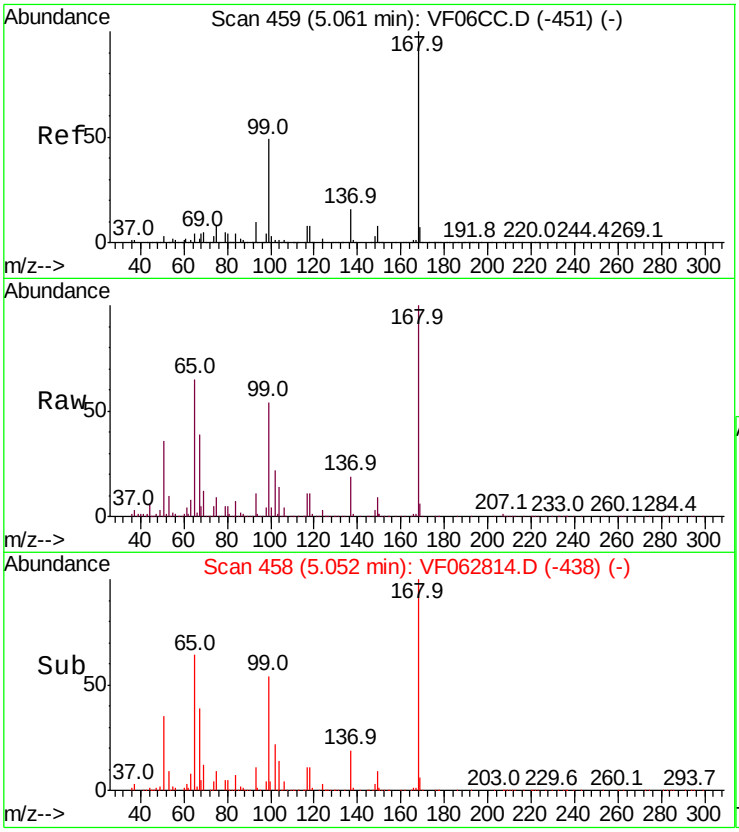


#16
Acetone
Concen: 74.072 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

Tgt Ion: 43 Resp: 82209

Ion	Ratio	Lower	Upper
43	100		
58	22.7	19.0	28.4

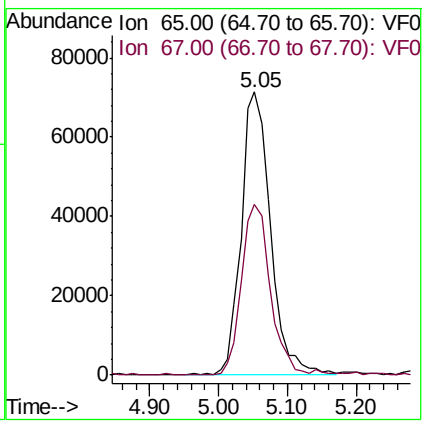




#33
1,2-Dichloroethane-d4
Concen: 43.663 ug/l
RT: 5.05 min Scan# 458
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

Tgt Ion: 65 Resp: 211727

Ion	Ratio	Lower	Upper
65	100		
67	60.4	0.0	121.2



Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-A

Manual Integrations APPROVED
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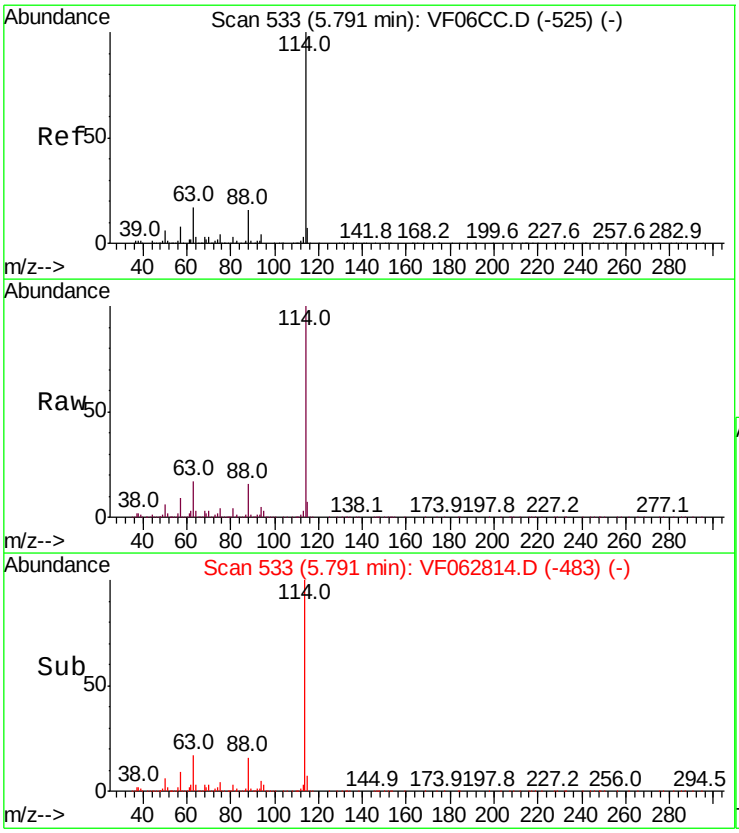
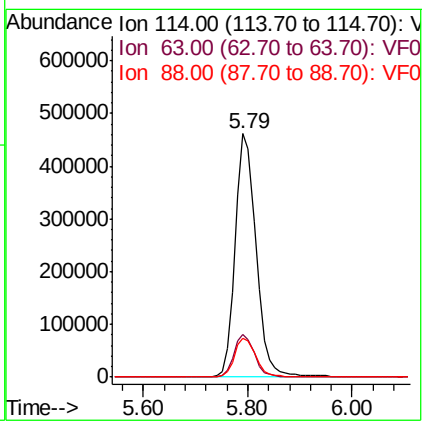
6/4/2019 8:45:25 AM

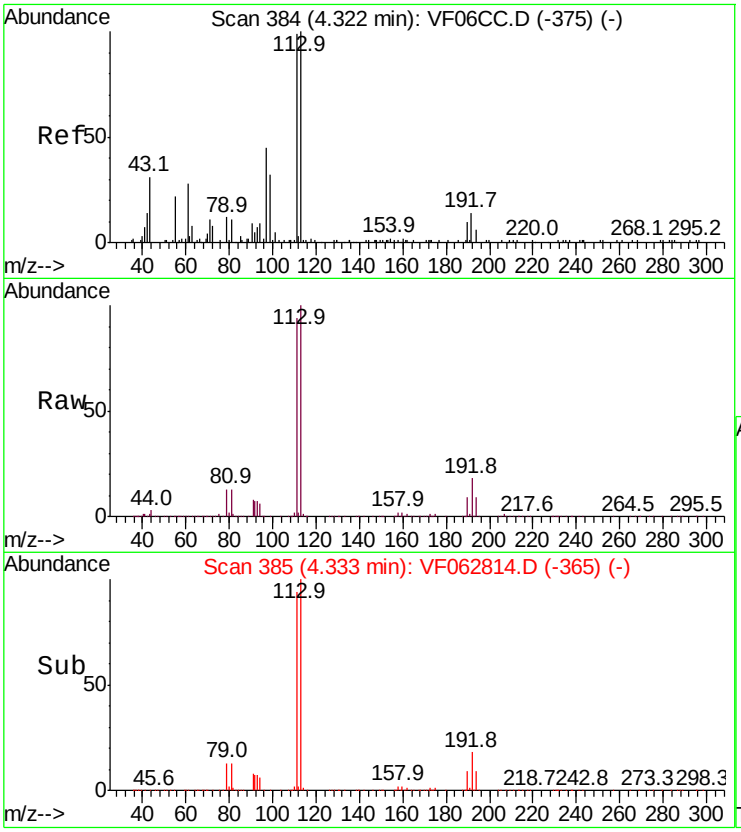


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.79 min Scan# 533
Delta R.T. -0.01 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

Tgt Ion:114 Resp: 1238610

Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	34.2
88	15.9	0.0	31.2

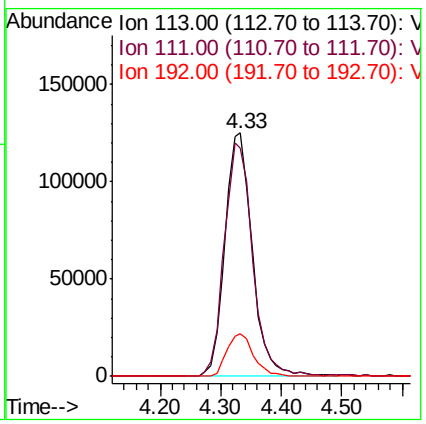




#35
Dibromofluoromethane
Concen: 41.890 ug/l
RT: 4.33 min Scan# 385
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

Tgt Ion:113 Resp: 392077

Ion	Ratio	Lower	Upper
113	100		
111	93.7	81.9	122.9
192	17.8	15.1	22.7



Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-A

Manual Integrations APPROVED
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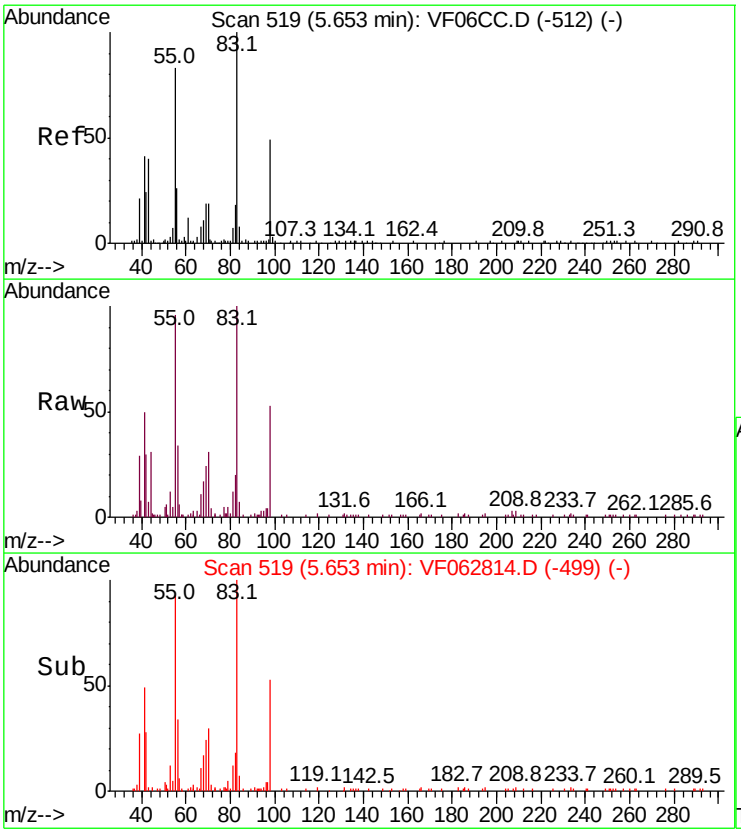
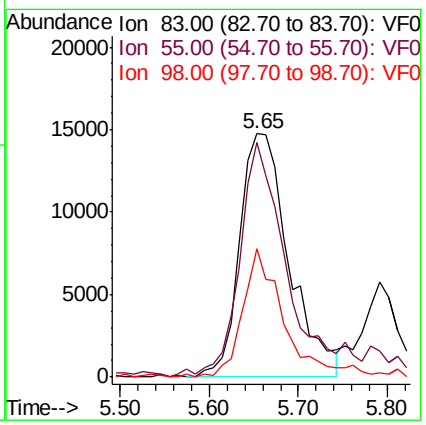
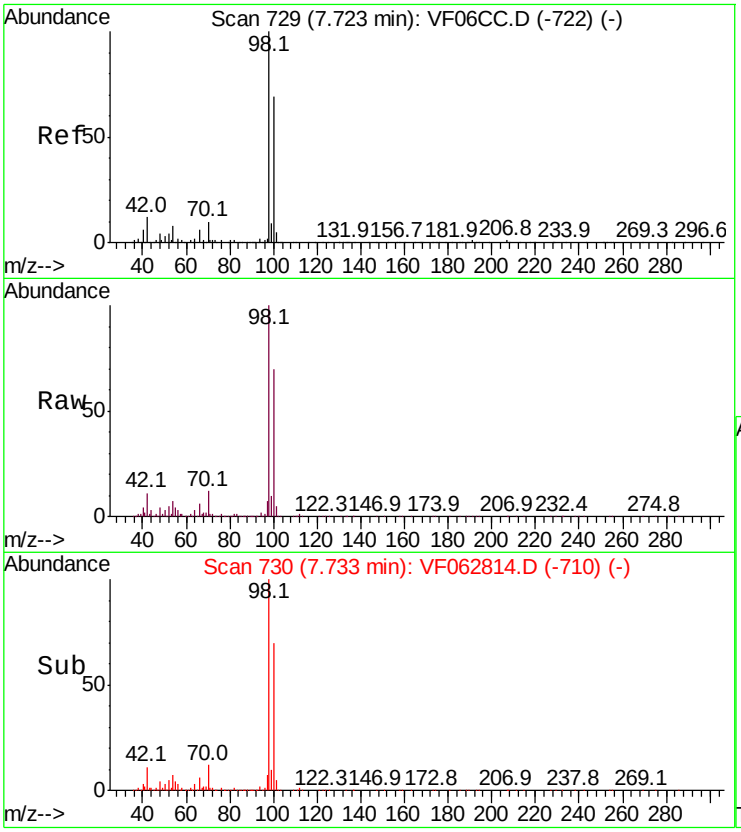


#39
Methylcyclohexane
Concen: 4.014 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

Tgt Ion: 83 Resp: 56960

Ion	Ratio	Lower	Upper
83	100		
55	96.1	61.6	92.4#
98	52.9	37.4	56.2

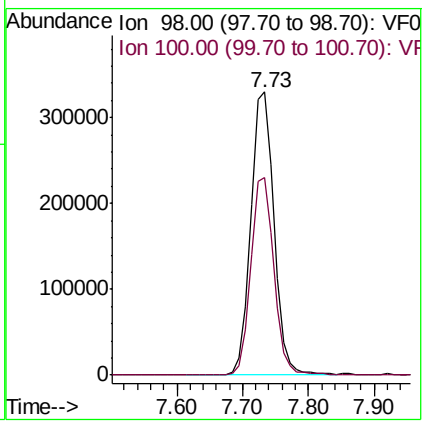




#50
Toluene-d8
Concen: 34.638 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

Tgt Ion: 98 Resp: 819820

Ion	Ratio	Lower	Upper
98	100		
100	69.8	59.8	89.8



Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-A

Manual Integrations APPROVED
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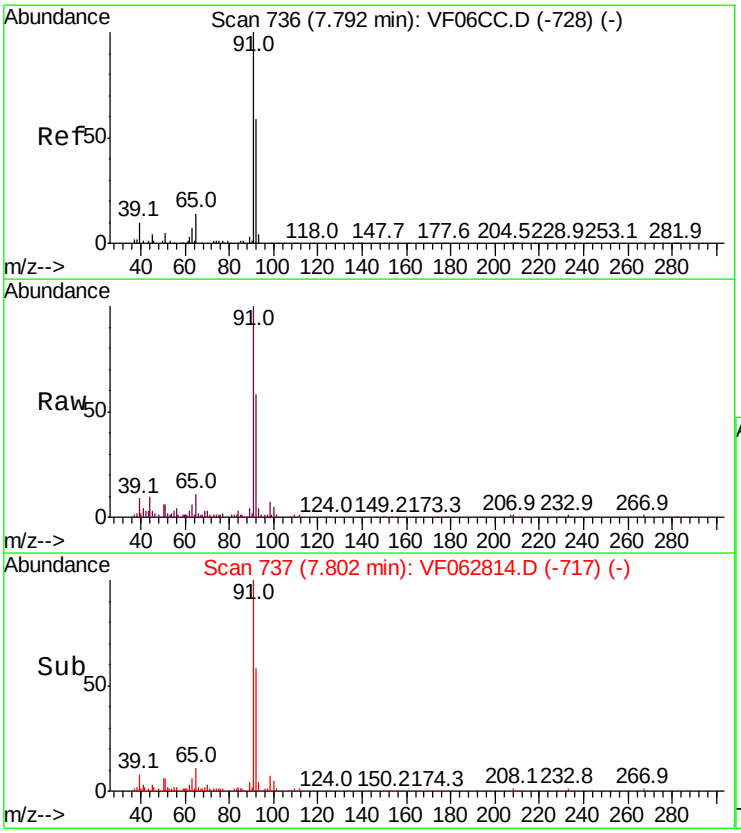
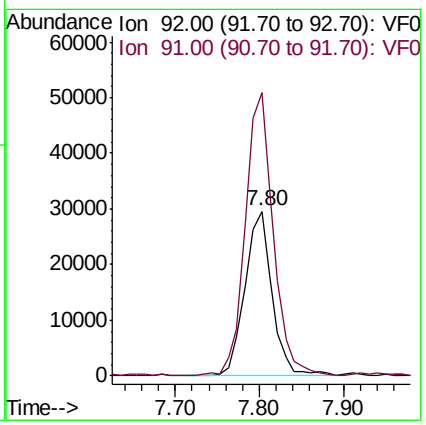
6/4/2019 8:45:25 AM

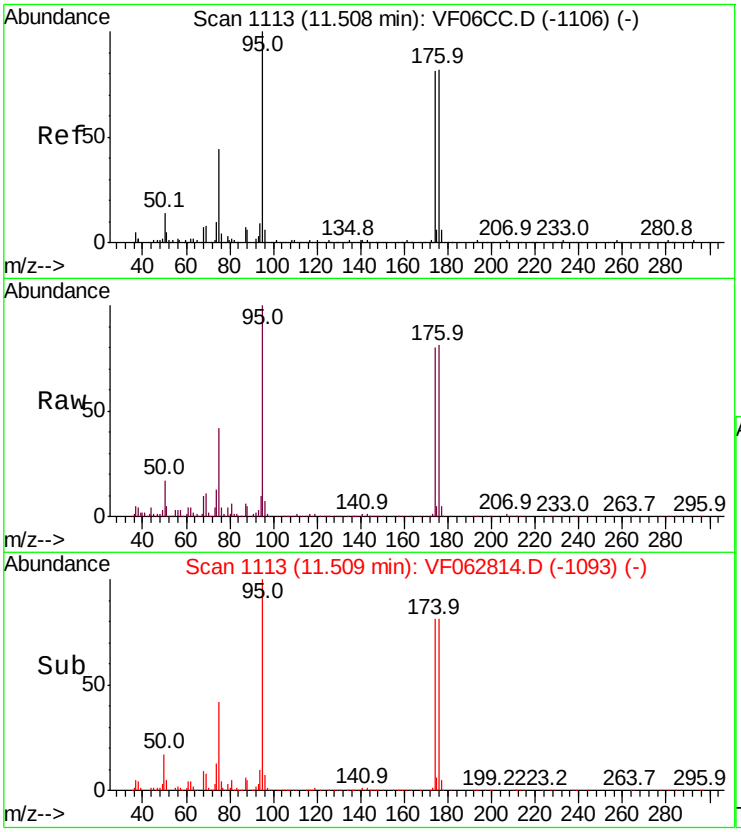


#52
Toluene
Concen: 3.765 ug/l
RT: 7.80 min Scan# 737
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

Tgt Ion: 92 Resp: 67293

Ion	Ratio	Lower	Upper
92	100		
91	172.2	123.2	184.8

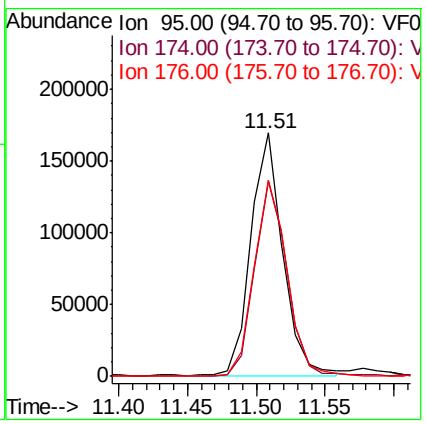




#62
4-Bromofluorobenzene
Concen: 32.194 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

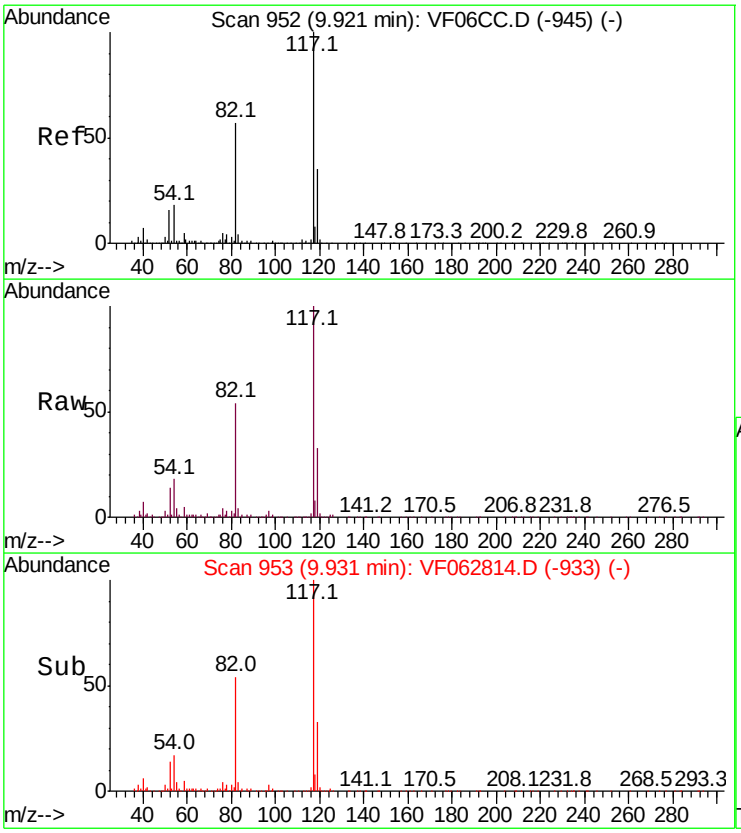
Tgt Ion: 95 Resp: 274088

Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	170.6
176	80.5	0.0	170.6



Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-A

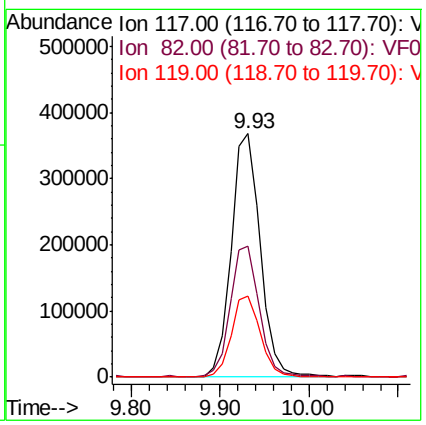
Manual Integrations APPROVED
MMDadoda
6/4/2019 8:45:25 AM

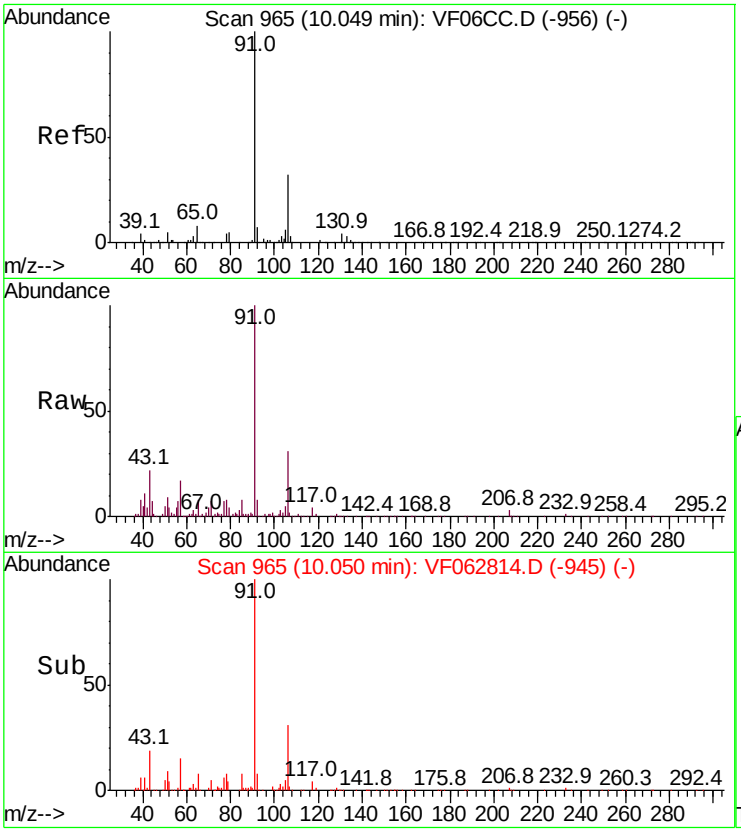


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

Tgt Ion:117 Resp: 839144

Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.4	63.6
119	33.4	27.1	40.7

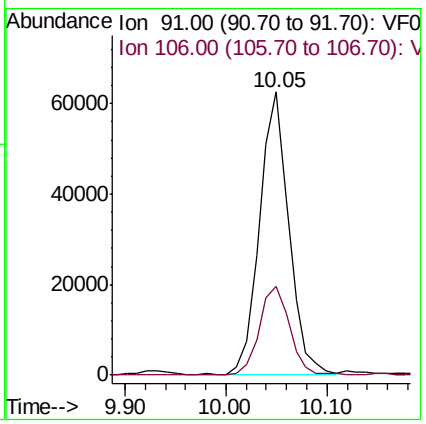




#67
Ethyl Benzene
Concen: 4.553 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

Tgt Ion: 91 Resp: 126615

Ion	Ratio	Lower	Upper
91	100		
106	31.3	26.0	39.0



Instrument :
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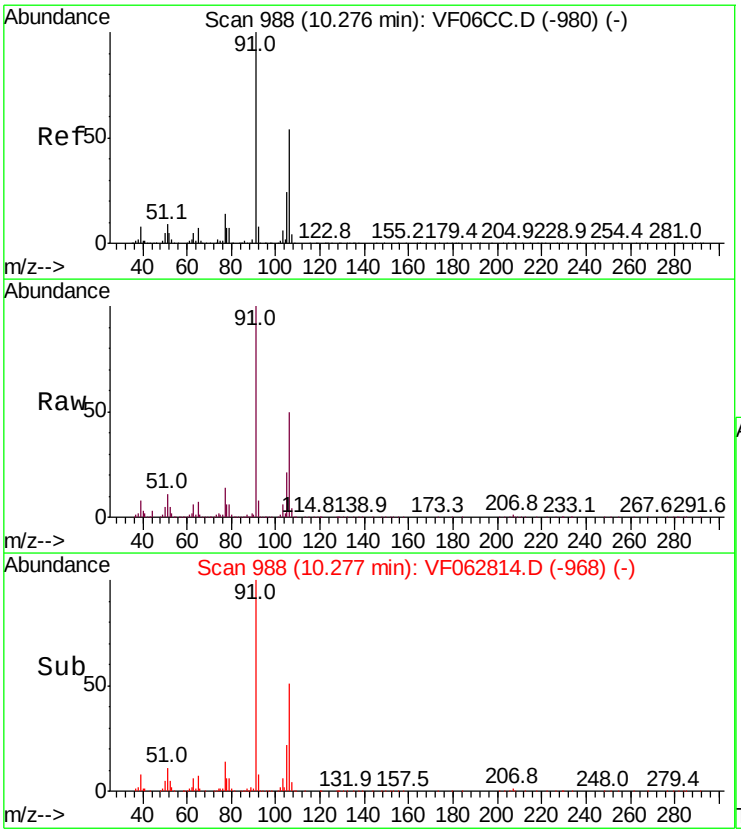
ClientSampleId :
CL-02-053119-A

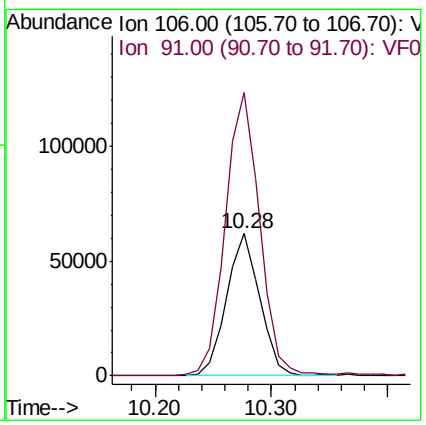
Manual Integrations APPROVED
MMDadoda
6/4/2019 8:45:25 AM

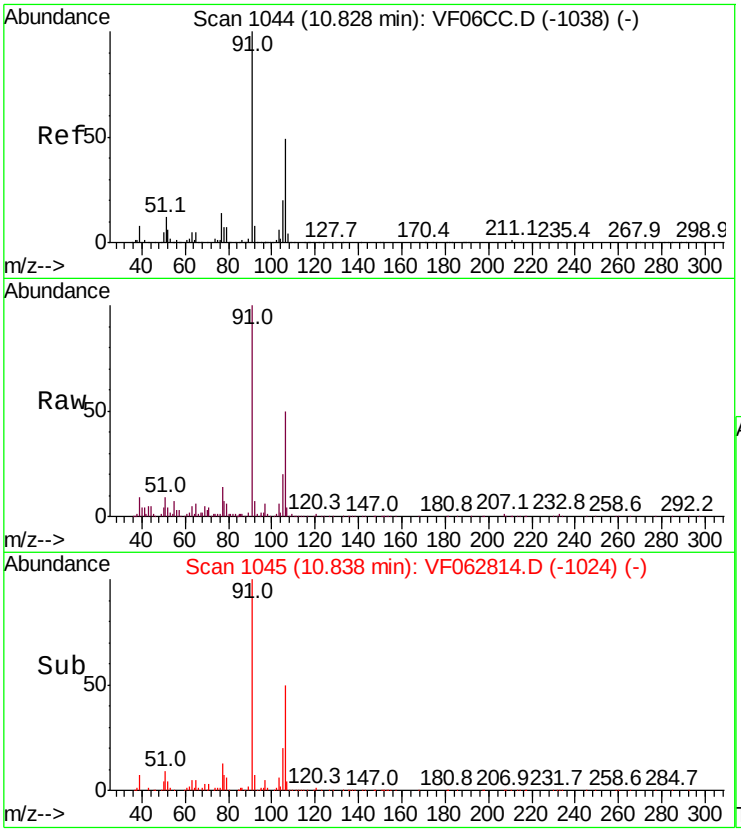


#68
m/p-Xylenes
Concen: 11.565 ug/l
RT: 10.28 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

Tgt Ion:106 Resp: 123070

Ion	Ratio	Lower	Upper
106	100		
91	199.1	136.2	204.4





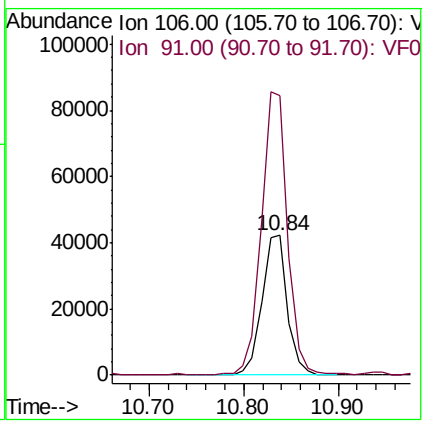
#69
o-Xylene
Concen: 7.362 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

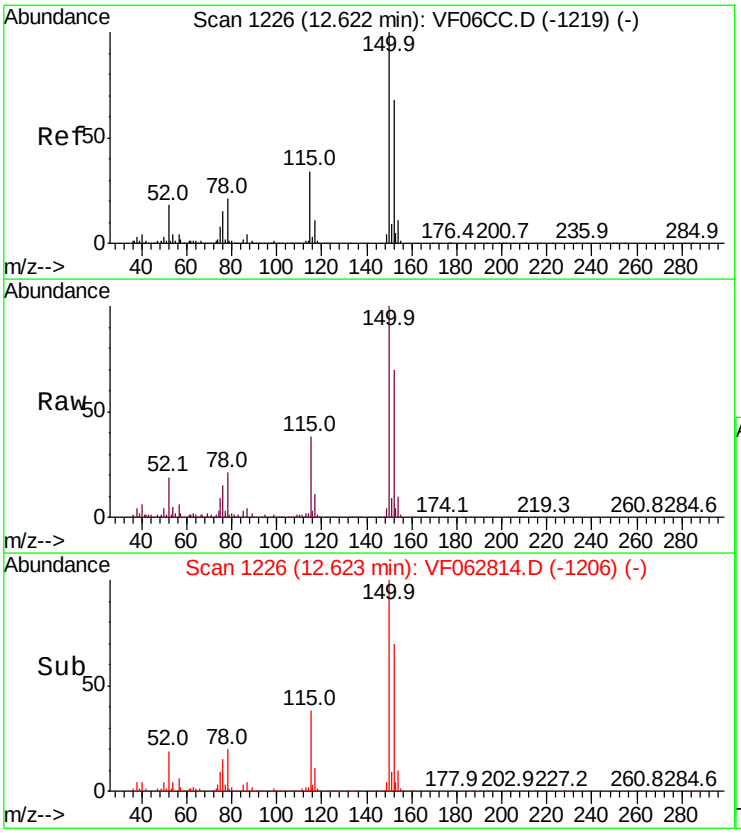
Tgt Ion:106 Resp: 79314

Ion	Ratio	Lower	Upper
106	100		
91	200.6	96.6	289.8

Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-A

Manual Integrations APPROVED
MMDadoda
6/4/2019 8:45:25 AM

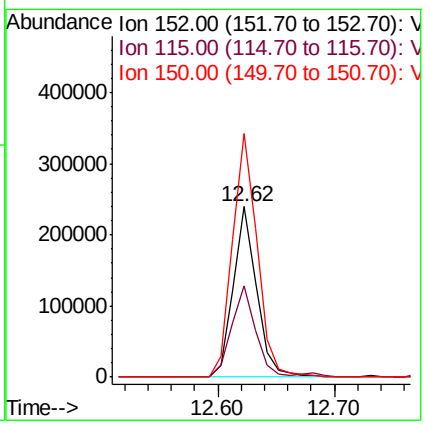


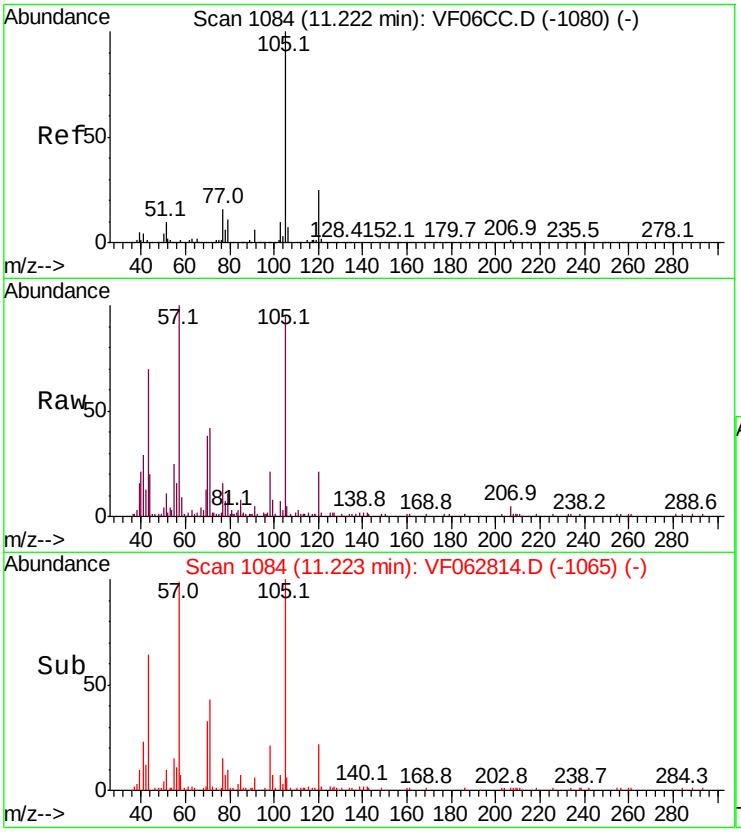


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

Tgt Ion:152 Resp: 334265

Ion	Ratio	Lower	Upper
152	100		
115	53.8	24.6	74.0
150	143.0	0.0	290.6





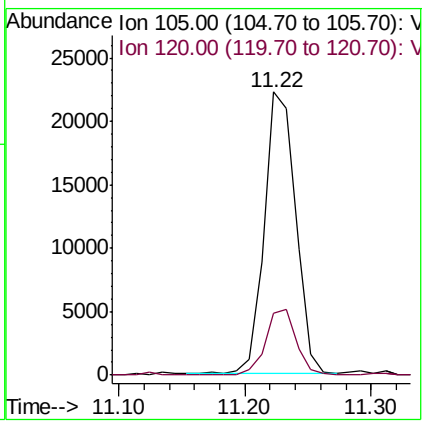
#73
Isopropylbenzene
Concen: 1.644 ug/l
RT: 11.22 min Scan# 1084
Delta R.T. -0.01 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

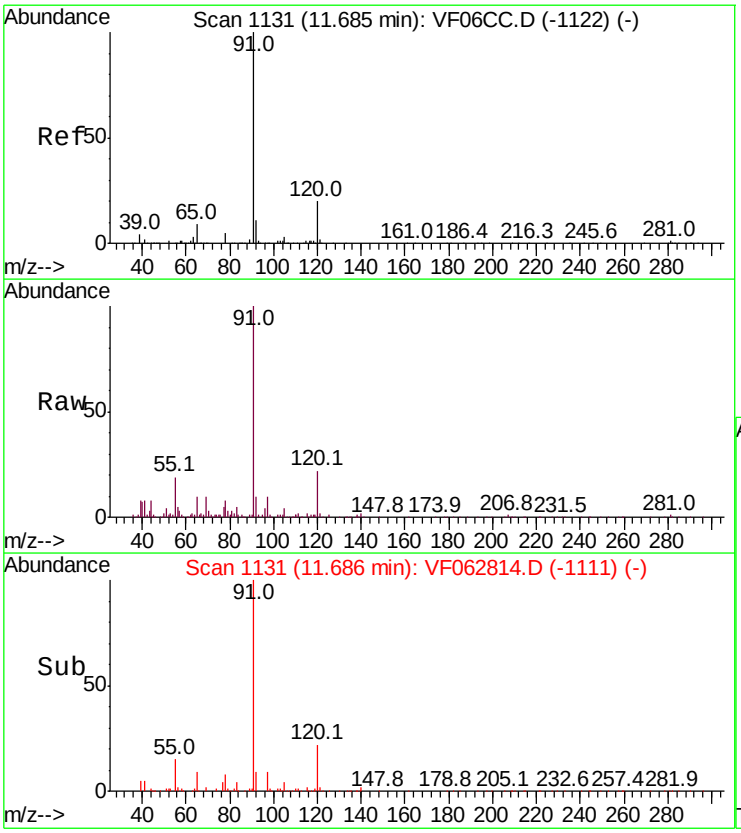
Tgt Ion:105 Resp: 38336

Ion	Ratio	Lower	Upper
105	100		
120	22.0	15.1	45.3

Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-A

Manual Integrations APPROVED
MMDadoda
6/4/2019 8:45:25 AM

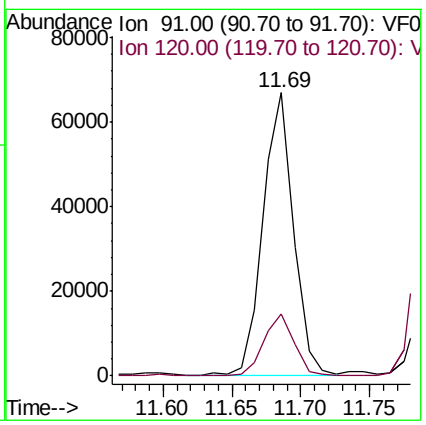


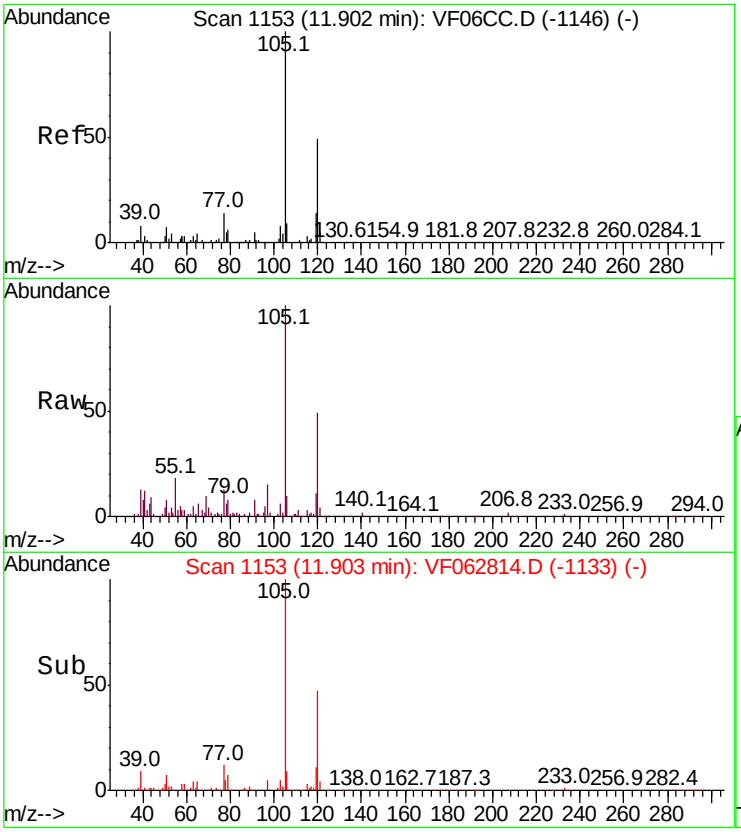


#78
n-propylbenzene
Concen: 3.624 ug/l
RT: 11.69 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

Tgt Ion: 91 Resp: 102054

Ion	Ratio	Lower	Upper
91	100		
120	21.7	12.8	38.4





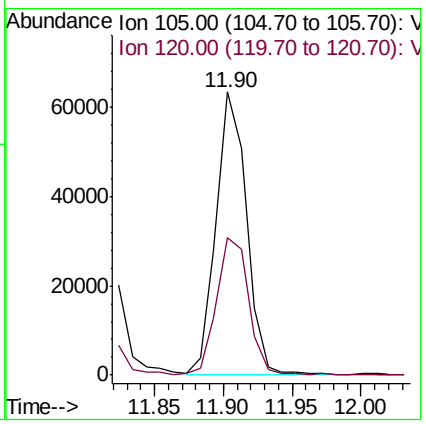
#80
1,3,5-Trimethylbenzene
Concen: 5.070 ug/l
RT: 11.90 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

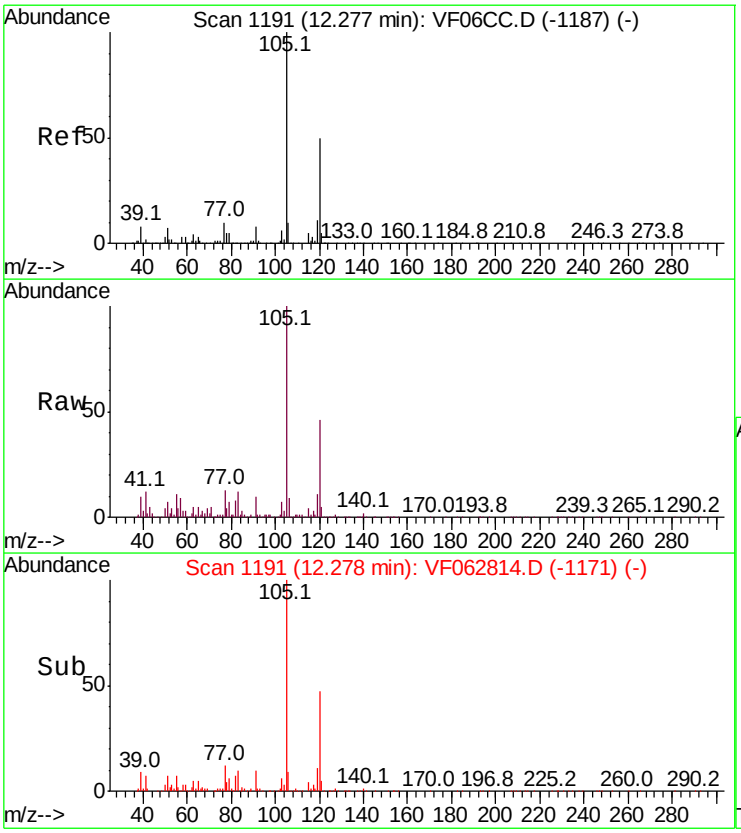
Tgt Ion:105 Resp: 96696

Ion	Ratio	Lower	Upper
105	100		
120	48.6	28.7	86.1

Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-A

Manual Integrations APPROVED
MMDadoda
6/4/2019 8:45:25 AM

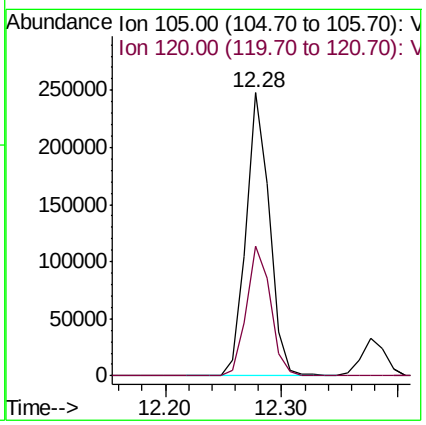


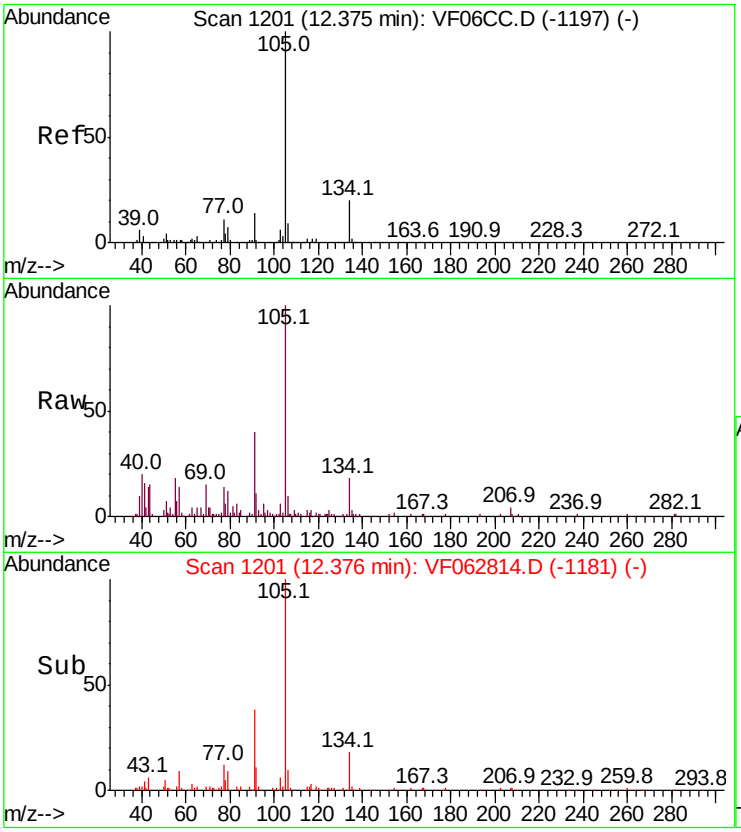


#84
1,2,4-Trimethylbenzene
Concen: 19.131 ug/l
RT: 12.28 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

Tgt Ion:105 Resp: 345981

Ion	Ratio	Lower	Upper
105	100		
120	46.1	27.1	81.3





#85
sec-Butylbenzene
Concen: 1.873 ug/l
RT: 12.38 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

Tgt Ion:105 Resp: 46644

Ion	Ratio	Lower	Upper
105	100		
134	18.3	10.5	31.6

Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-A

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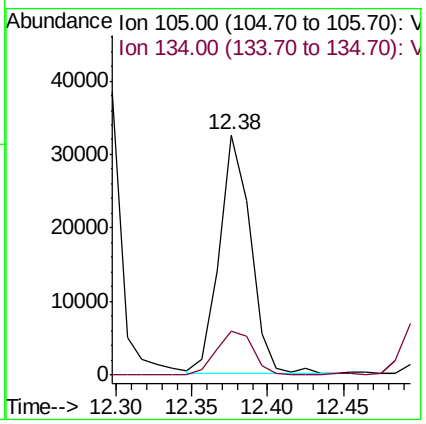
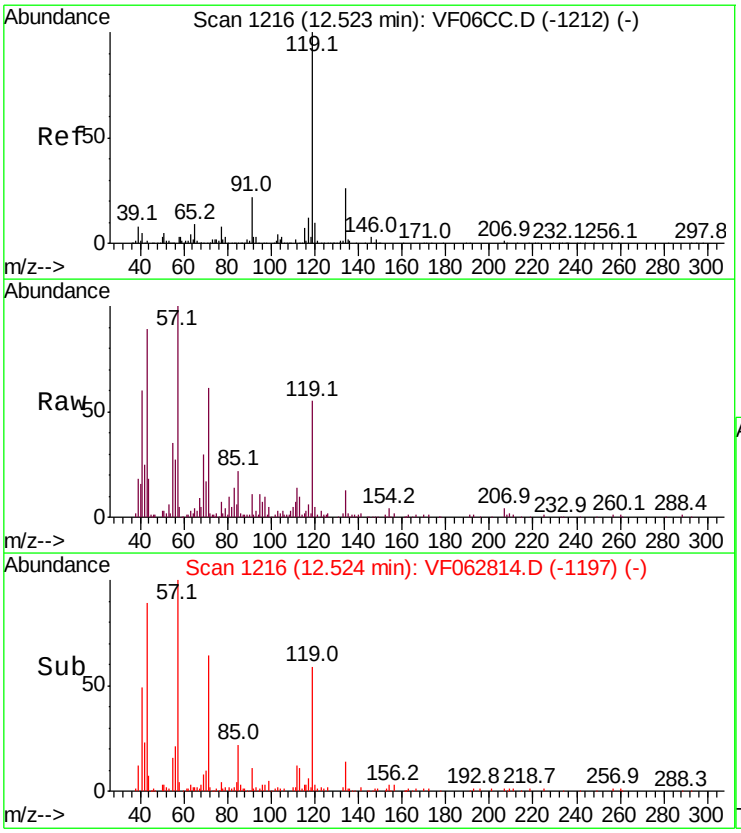
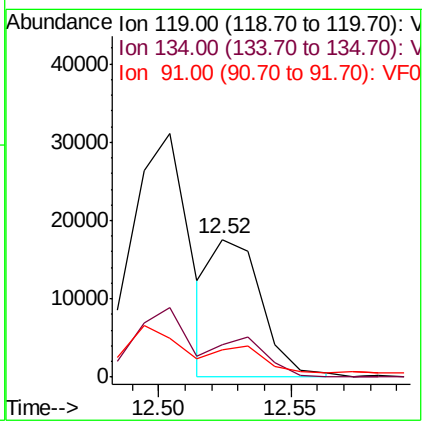


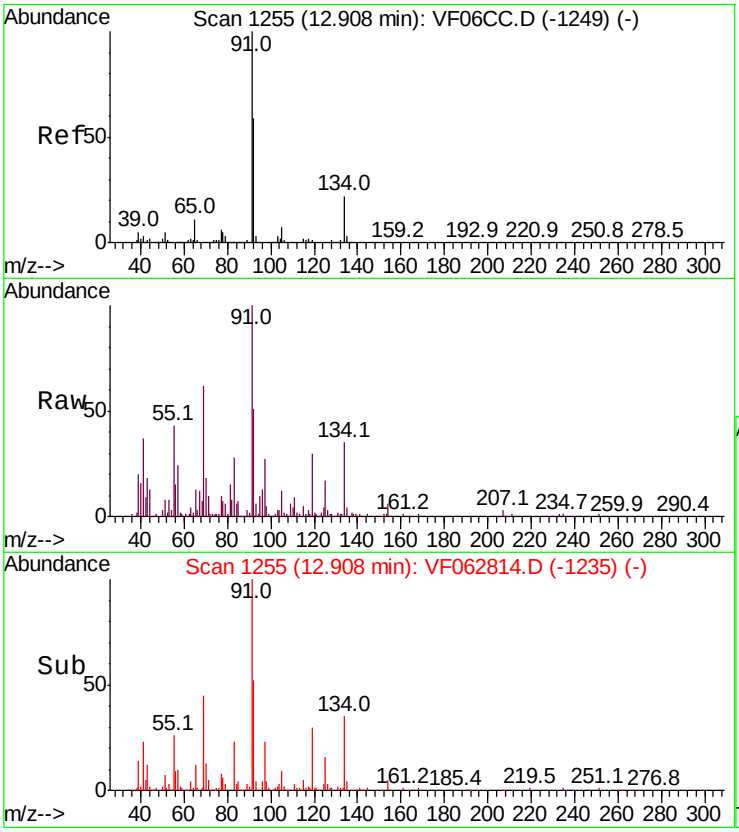


#86
p-Isopropyltoluene
Concen: 1.123 ug/l m
RT: 12.52 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

Tgt Ion:119 Resp: 23279

Ion	Ratio	Lower	Upper
119	100		
134	23.1	15.5	46.5
91	19.7	10.3	30.9





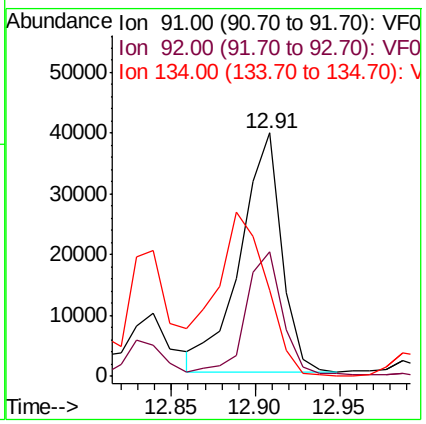
#89
n-Butylbenzene
Concen: 3.215 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

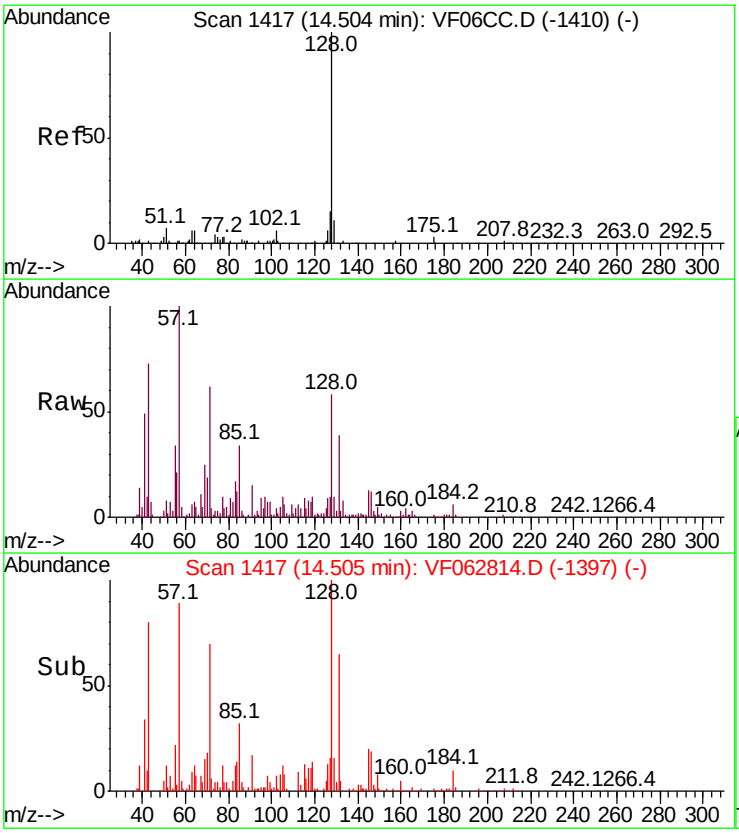
Tgt Ion: 91 Resp: 67046

Ion	Ratio	Lower	Upper
91	100		
92	51.1	34.2	102.6
134	35.4	15.8	47.3

Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-A

Manual Integrations APPROVED
MMDadoda
6/4/2019 8:45:25 AM





#95
Naphthalene
Concen: 8.476 ug/l
RT: 14.51 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062814.D
Acq: 31 May 2019 17:42

Tgt Ion:128 Resp: 86611

Ion	Ratio	Lower	Upper
128	100		
127	17.9	9.7	14.5#
129	17.5	9.4	14.2#