Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011119\
Data File : VF061369.D
Acq On : 11 Jan 2019 15:42
Operator : VA/AP
Sample : K1119-05
Misc : 6.07g/5mL/MSVOA-F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : DS-C

Manual Integrations APPROVED
MMDadoda
1/14/2019 1:16:59 PM

Quant Time: Jan 12 04:09:51 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	4.85	168	88063	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	140352	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	125204	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	57172	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	40641	41.46	ug/l	-0.02
Spiked Amount 50.000			Recovery = 82.92%			
35) Dibromofluoromethane	4.09	113	54651	50.89	ug/l	-0.02
Spiked Amount 50.000			Recovery = 101.78%			
50) Toluene-d8	7.54	98	148375	46.69	ug/l	-0.02
Spiked Amount 50.000			Recovery = 93.38%			
62) 4-Bromofluorobenzene	11.40	95	58749	42.34	ug/l	-0.01
Spiked Amount 50.000			Recovery = 84.68%			
Target Compounds						Qvalue
20) Methylene Chloride	2.18	84	11309	11.724	ug/l	97
52) Toluene	7.61	92	15403	6.263	ug/l	91
67) Ethyl Benzene	9.88	91	22280	4.570	ug/l	95
68) m/p-Xylenes	10.12	106	29846	17.552	ug/l	93
69) o-Xylene	10.70	106	18756	9.874	ug/l	97
73) Isopropylbenzene	11.11	105	10953	2.177	ug/l	96
78) n-propylbenzene	11.58	91	31523	5.255	ug/l	88
80) 1,3,5-Trimethylbenzene	11.81	105	40658	10.157	ug/l	92
84) 1,2,4-Trimethylbenzene	12.19	105	145710	36.662	ug/l	94
85) sec-Butylbenzene	12.30	105	19444	3.424	ug/l	94
86) p-Isopropyltoluene	12.45	119	8873m	1.921	ug/l	
89) n-Butylbenzene	12.83	91	29412	6.197	ug/l #	73

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

Quantitation Report (LSC Reviewed)

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Data File : VF061369.D
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Misc : 6.07g/5mL/MSVOA-F/SOIL
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Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

Instrument :
MSVOA_F
ClientSampleId :
DS-C

Manual Integrations APPROVED
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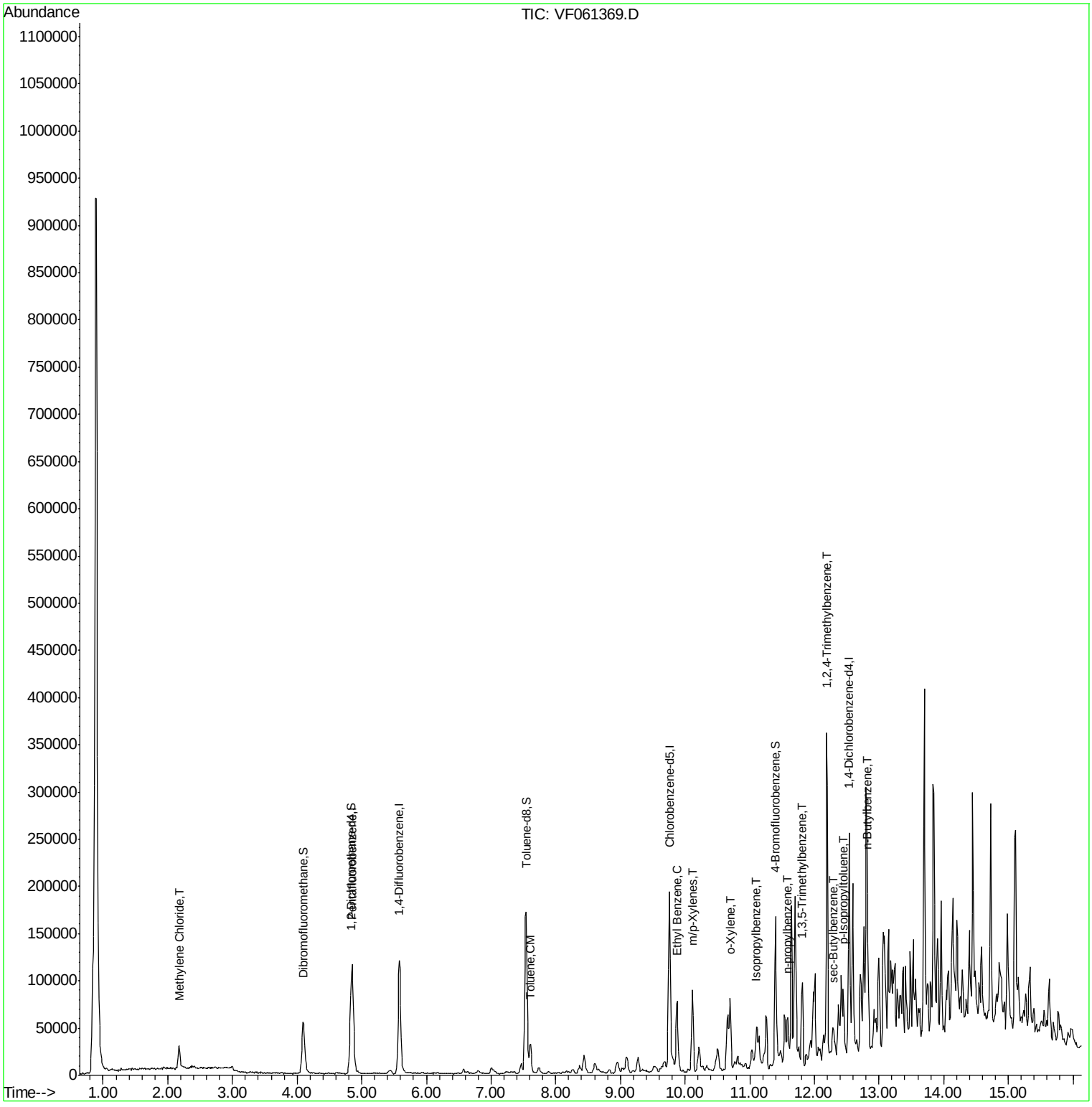
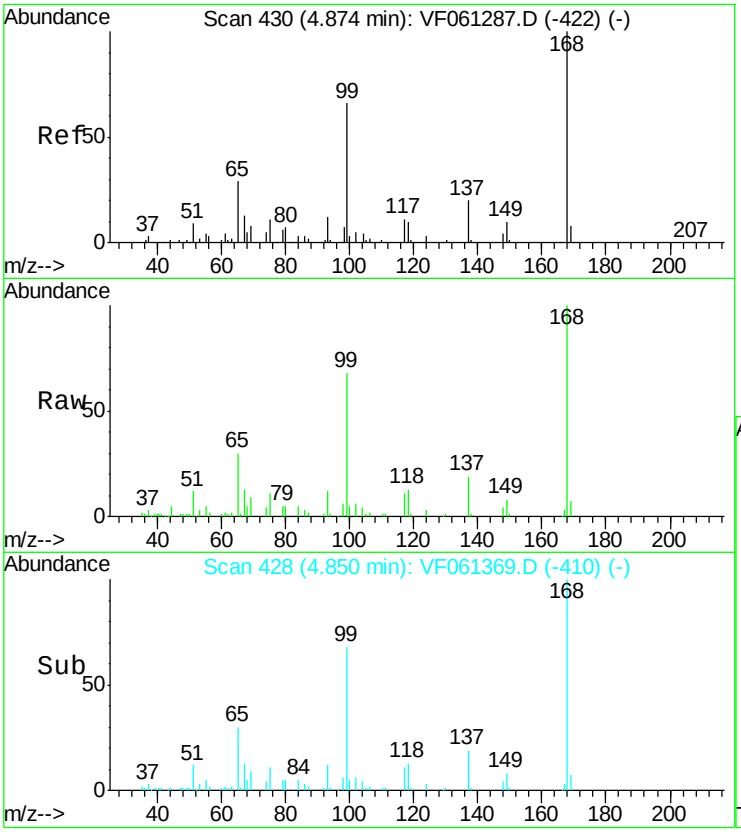
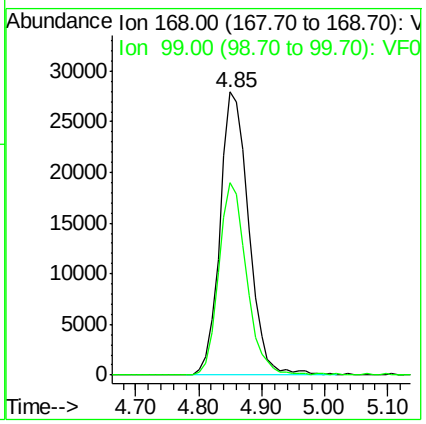




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion:168 Resp: 88063

Ion	Ratio	Lower	Upper
168	100		
99	67.9	52.7	79.1



Instrument :
MSVOA_F
ClientSampleId :
DS-C

Manual Integrations APPROVED
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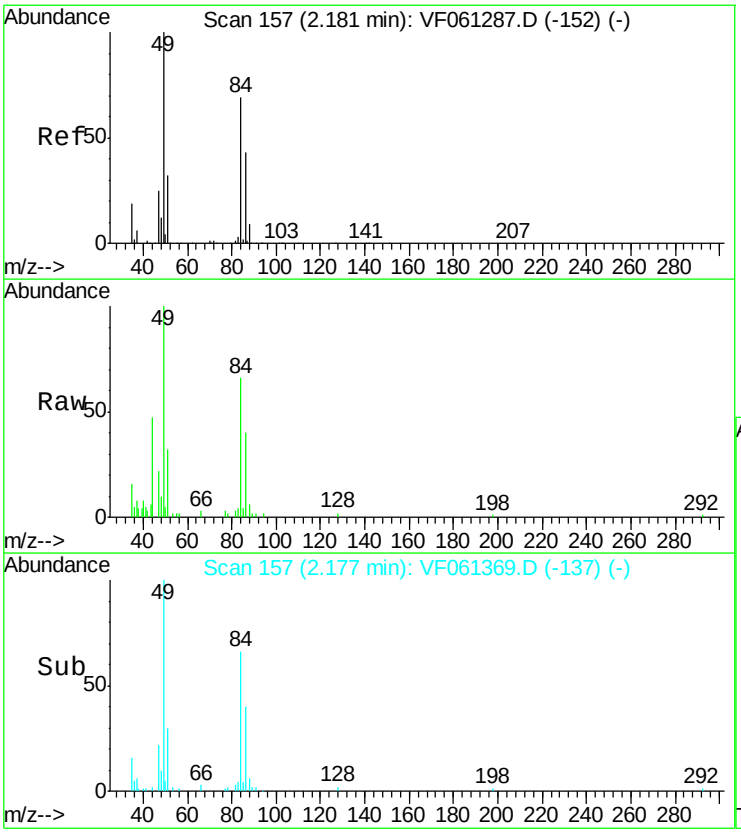
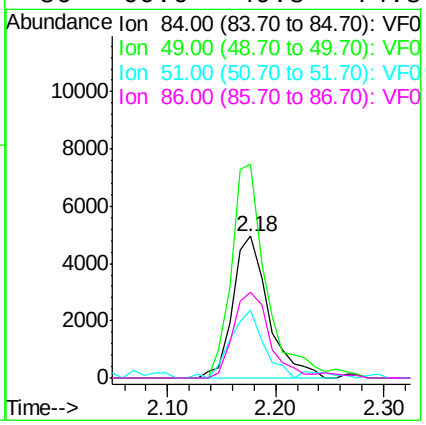
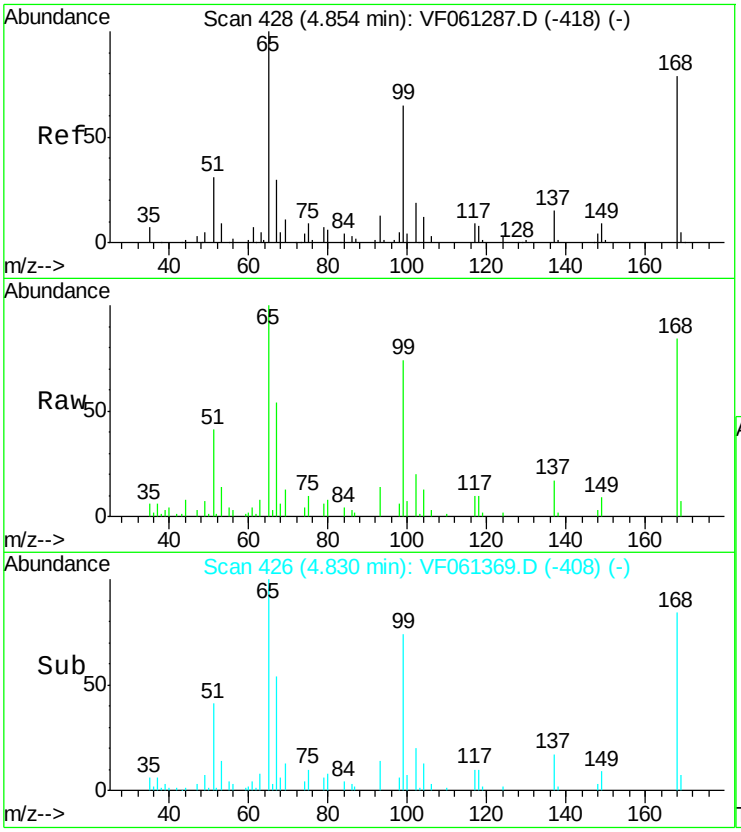


#20
Methylene Chloride
Concen: 11.724 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion: 84 Resp: 11309

Ion	Ratio	Lower	Upper
84	100		
49	150.5	116.6	175.0
51	47.7	37.7	56.5
86	60.6	49.8	74.8

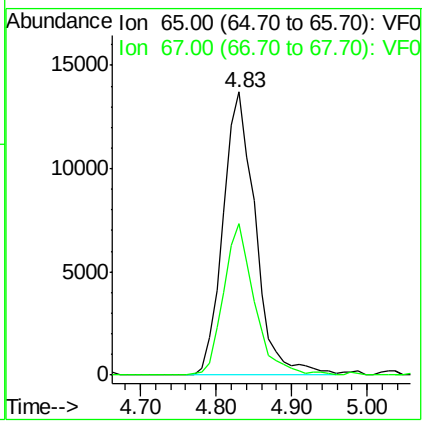




#33
1,2-Dichloroethane-d4
Concen: 41.462 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion: 65 Resp: 40641

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	98.2



Instrument :
MSVOA_F
ClientSampleId :
DS-C

Manual Integrations APPROVED
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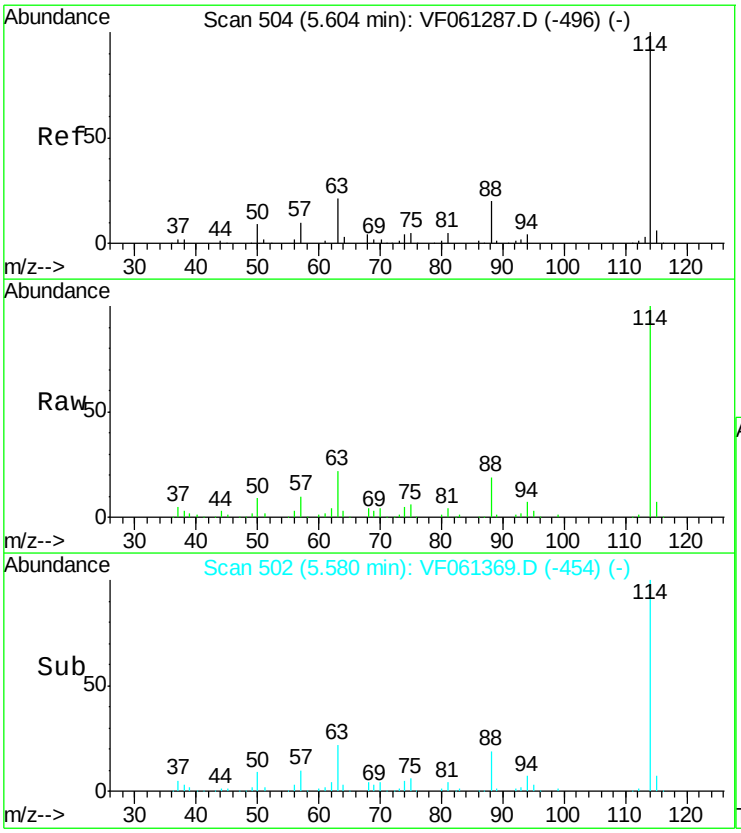
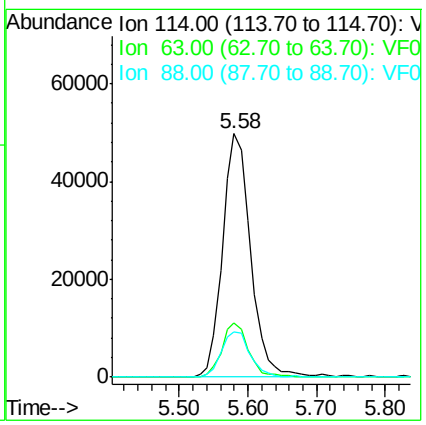
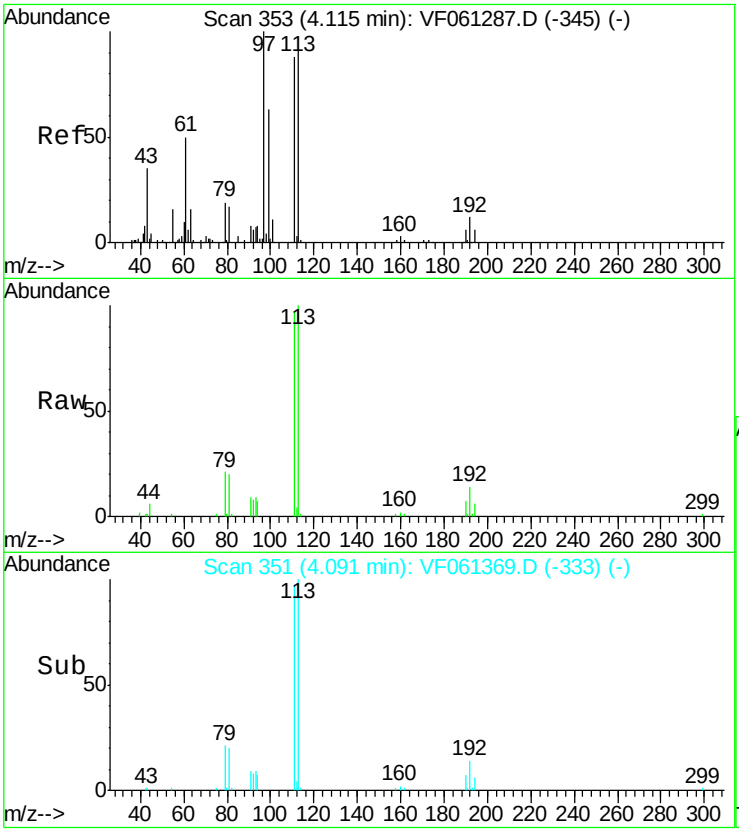


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.58 min Scan# 502
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion:114 Resp: 140352

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	42.8
88	18.6	0.0	40.0

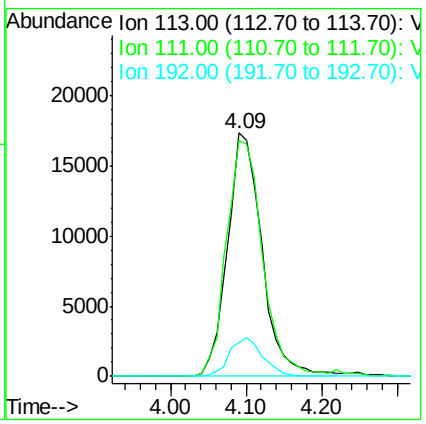




#35
Dibromofluoromethane
Concen: 50.889 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion:113 Resp: 54651

Ion	Ratio	Lower	Upper
113	100		
111	97.0	78.0	117.0
192	15.1	10.6	16.0



Instrument :
MSVOA_F
ClientSampleId :
DS-C

Manual Integrations APPROVED
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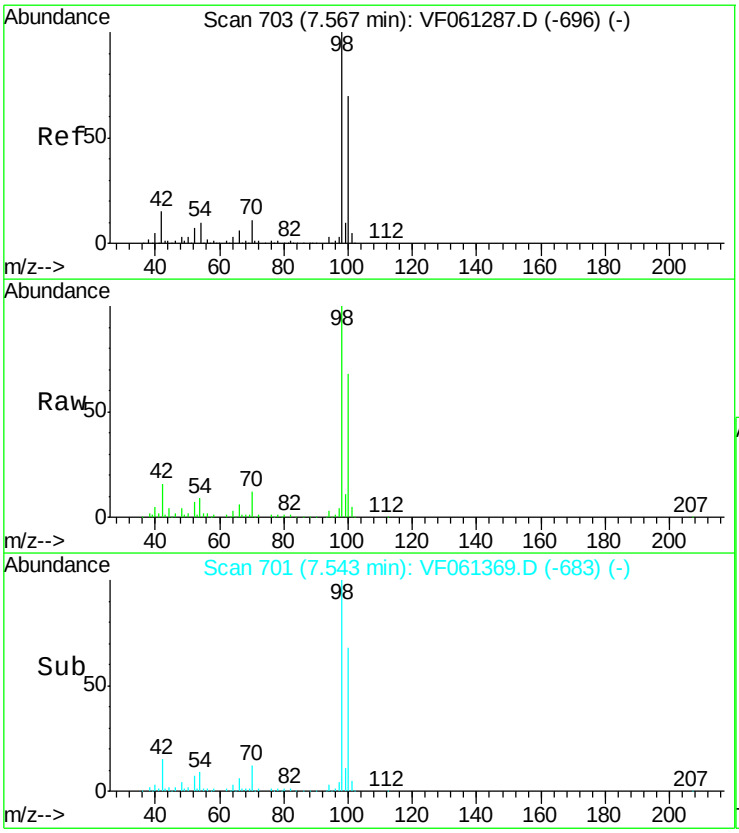
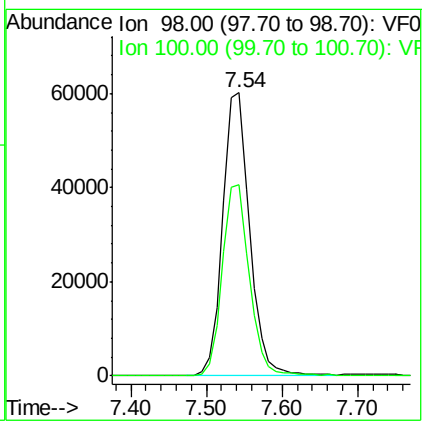
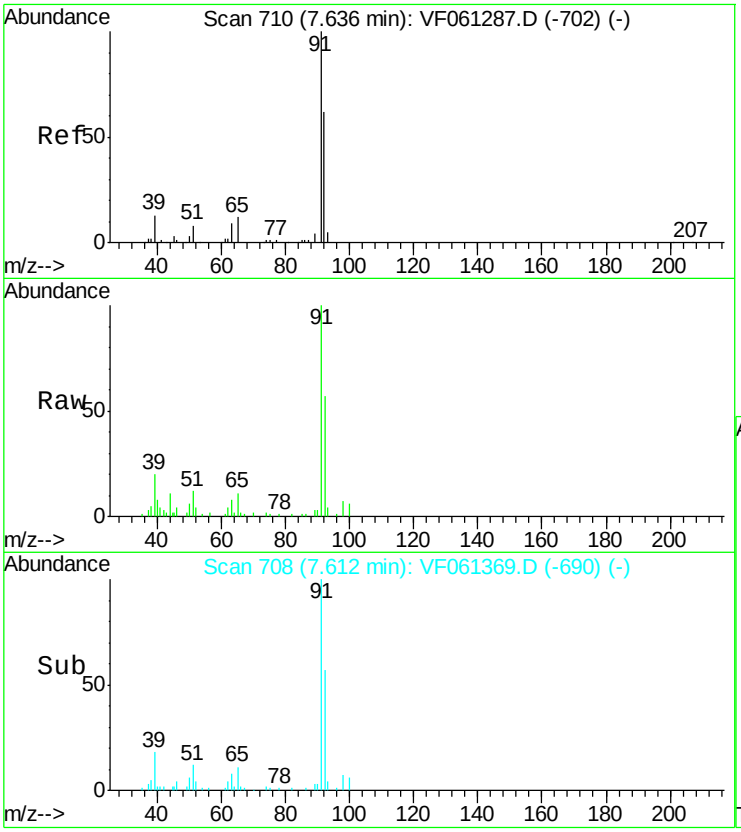


#50
Toluene-d8
Concen: 46.688 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion: 98 Resp: 148375

Ion	Ratio	Lower	Upper
98	100		
100	67.8	55.6	83.4

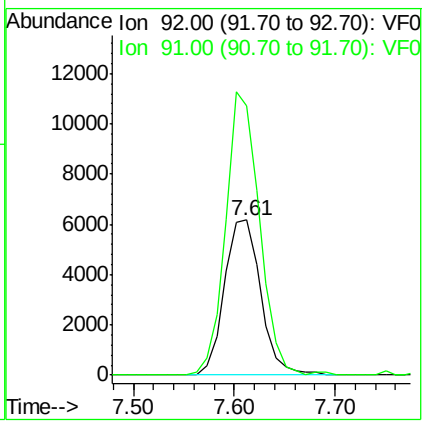




#52
Toluene
Concen: 6.263 ug/l
RT: 7.61 min Scan# 708
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion: 92 Resp: 15403

Ion	Ratio	Lower	Upper
92	100		
91	174.1	129.2	193.8



Instrument :
MSVOA_F
ClientSampleId :
DS-C

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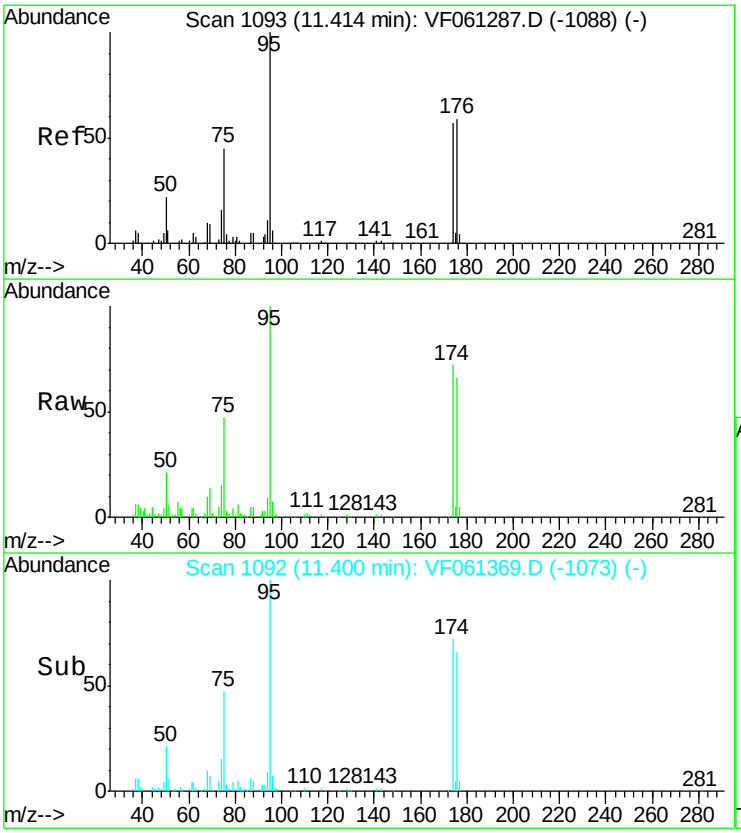
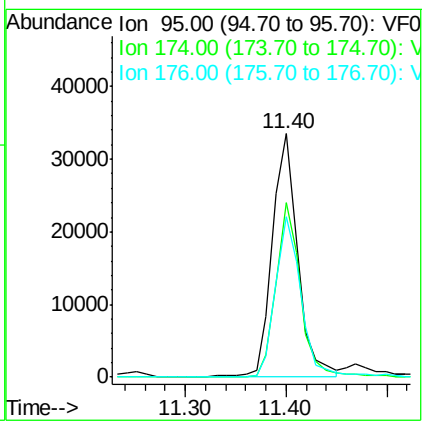
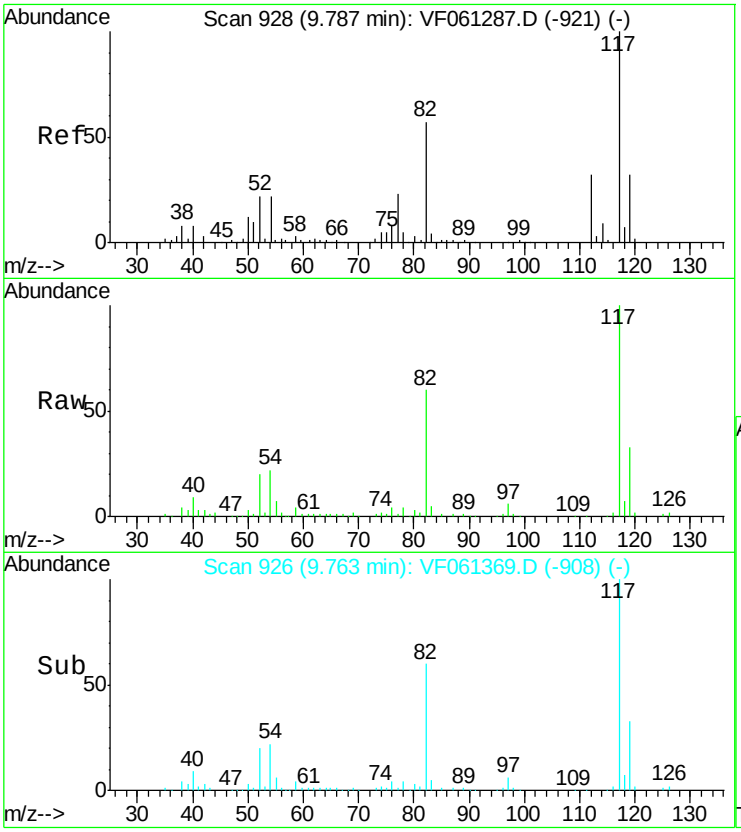


#62
4-Bromofluorobenzene
Concen: 42.335 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion: 95 Resp: 58749

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	114.2
176	65.9	0.0	117.8

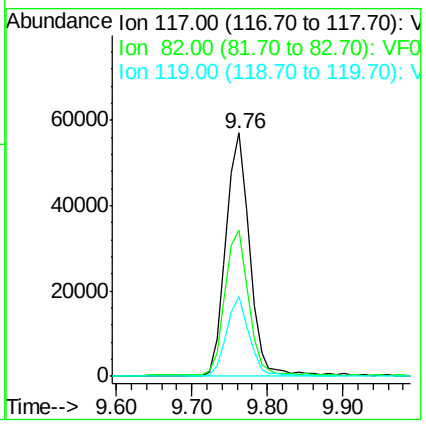




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion:117 Resp: 125204

Ion	Ratio	Lower	Upper
117	100		
82	60.1	45.3	67.9
119	32.6	25.4	38.0



Instrument :
MSVOA_F
ClientSampleId :
DS-C

Manual Integrations APPROVED
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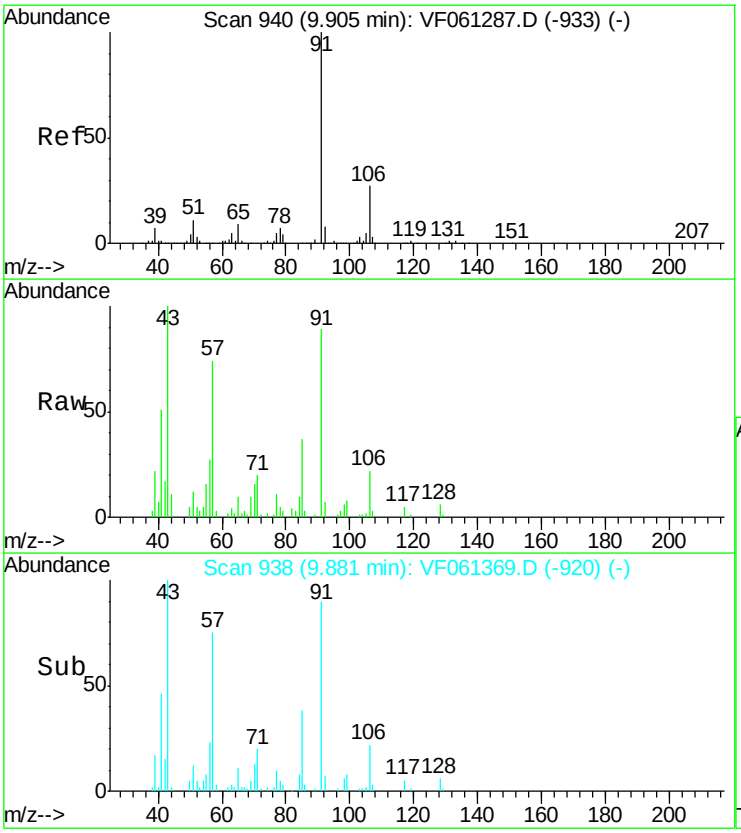
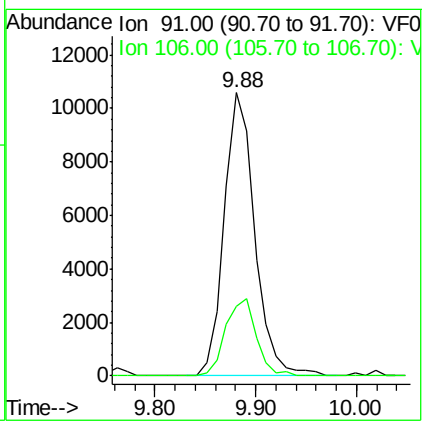
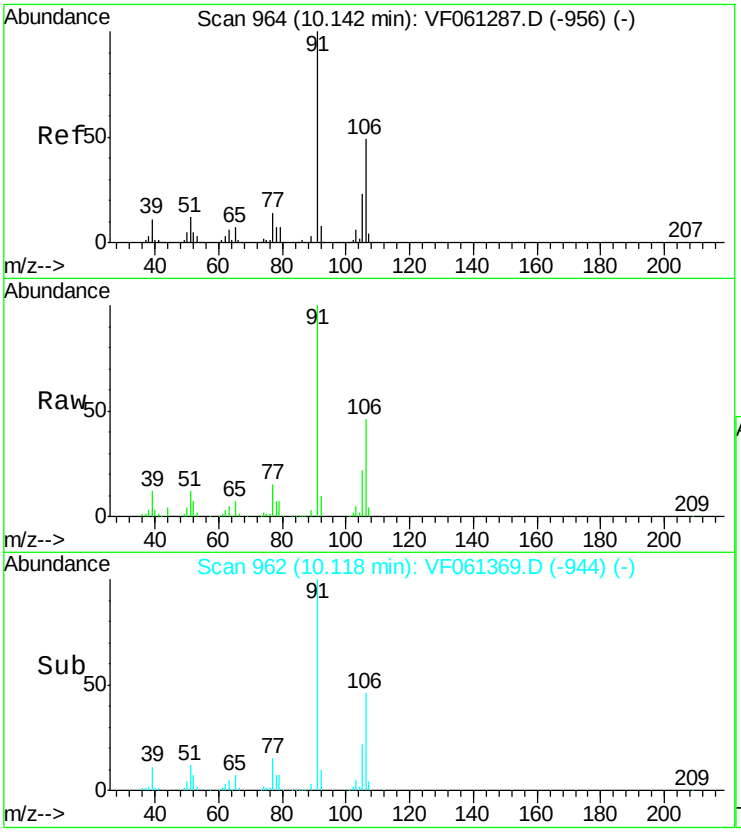


#67
Ethyl Benzene
Concen: 4.570 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion: 91 Resp: 22280

Ion	Ratio	Lower	Upper
91	100		
106	24.4	21.4	32.2

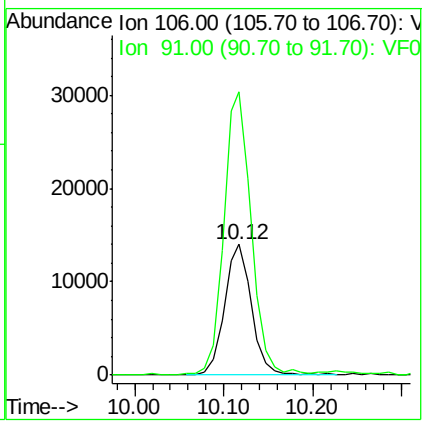




#68
m/p-Xylenes
Concen: 17.552 ug/l
RT: 10.12 min Scan# 962
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion:106 Resp: 29846

Ion	Ratio	Lower	Upper
106	100		
91	216.8	165.0	247.6



Instrument :
MSVOA_F
ClientSampleId :
DS-C

Manual Integrations APPROVED
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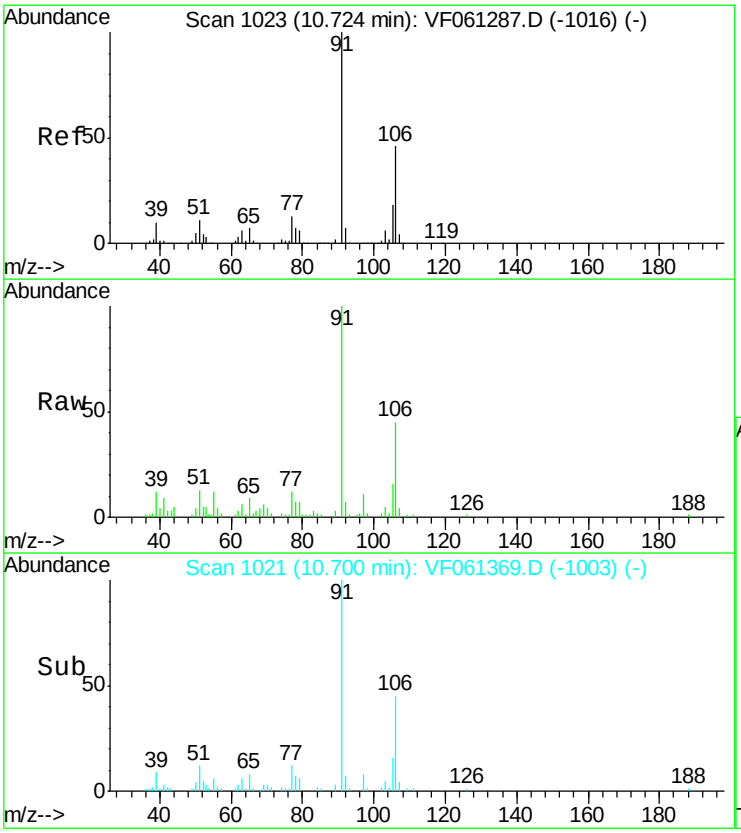
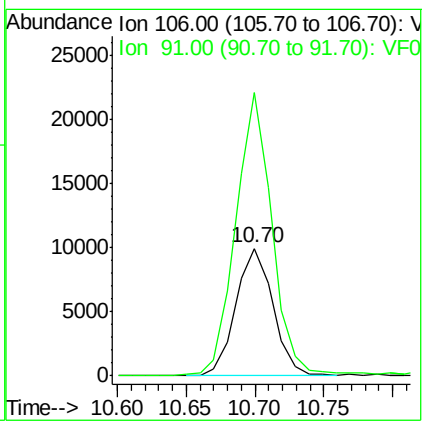
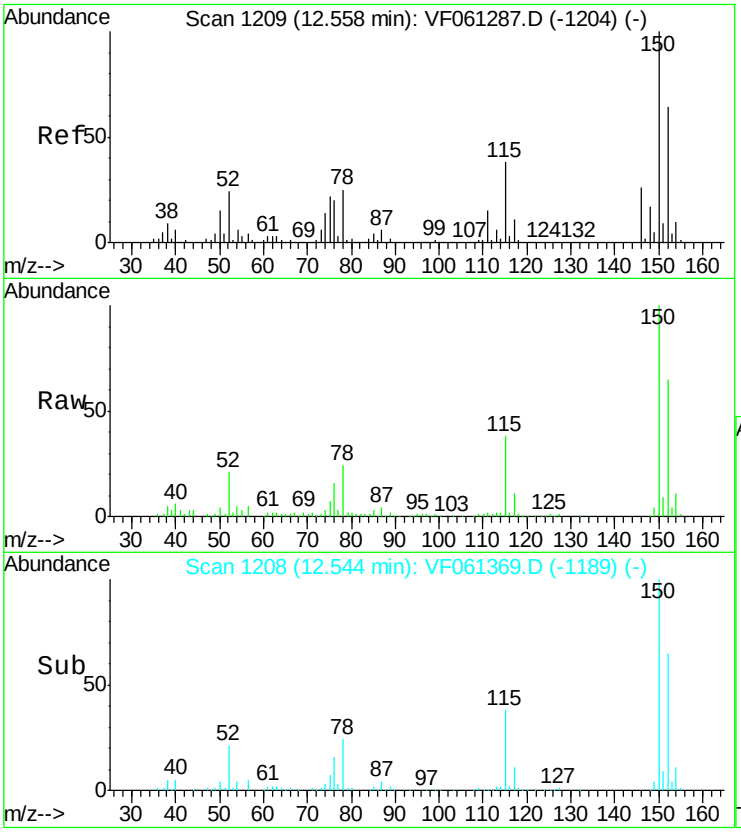


#69
o-Xylene
Concen: 9.874 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion:106 Resp: 18756

Ion	Ratio	Lower	Upper
106	100		
91	221.7	108.1	324.4

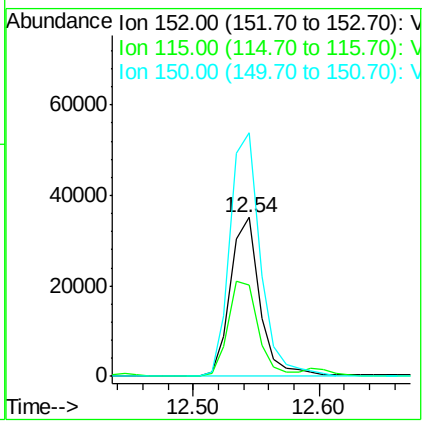




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion:152 Resp: 57172

Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.6	88.9
150	153.6	0.0	315.4



Instrument :
MSVOA_F
ClientSampleId :
DS-C

Manual Integrations APPROVED
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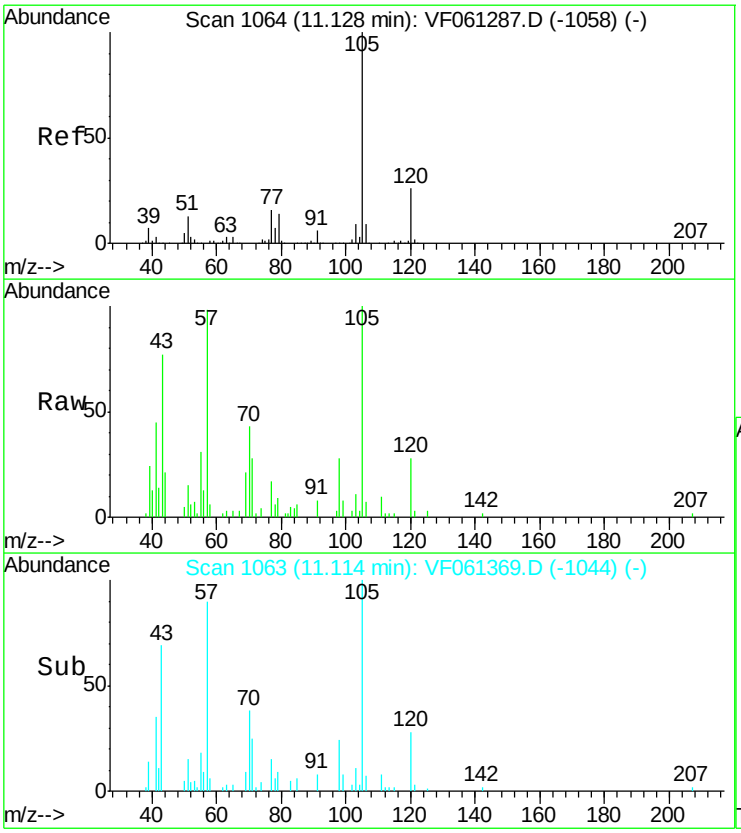
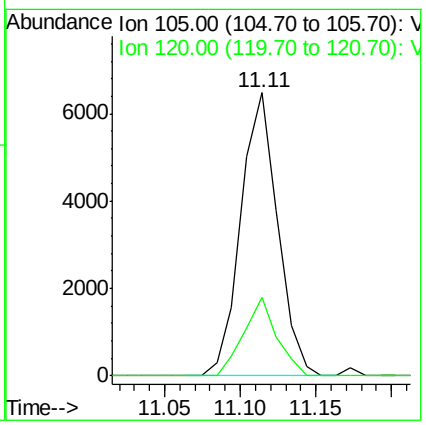
1/14/2019 1:16:59 PM

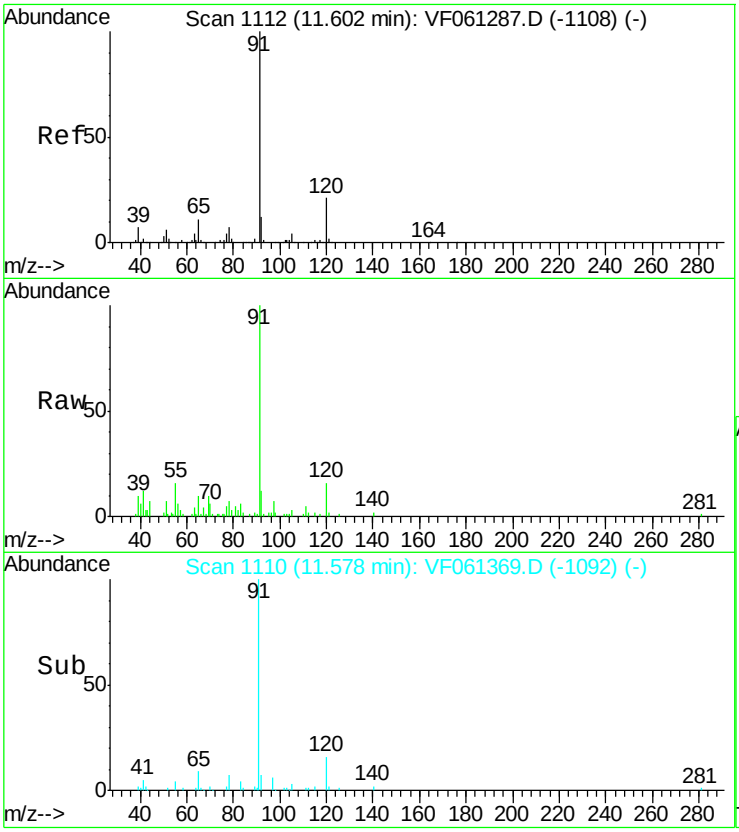


#73
Isopropylbenzene
Concen: 2.177 ug/l
RT: 11.11 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion:105 Resp: 10953

Ion	Ratio	Lower	Upper
105	100		
120	27.7	12.9	38.7





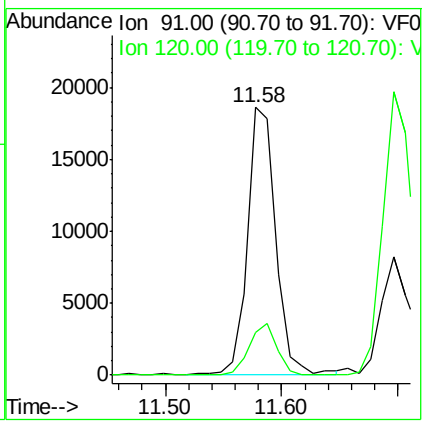
#78
n-propylbenzene
Concen: 5.255 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

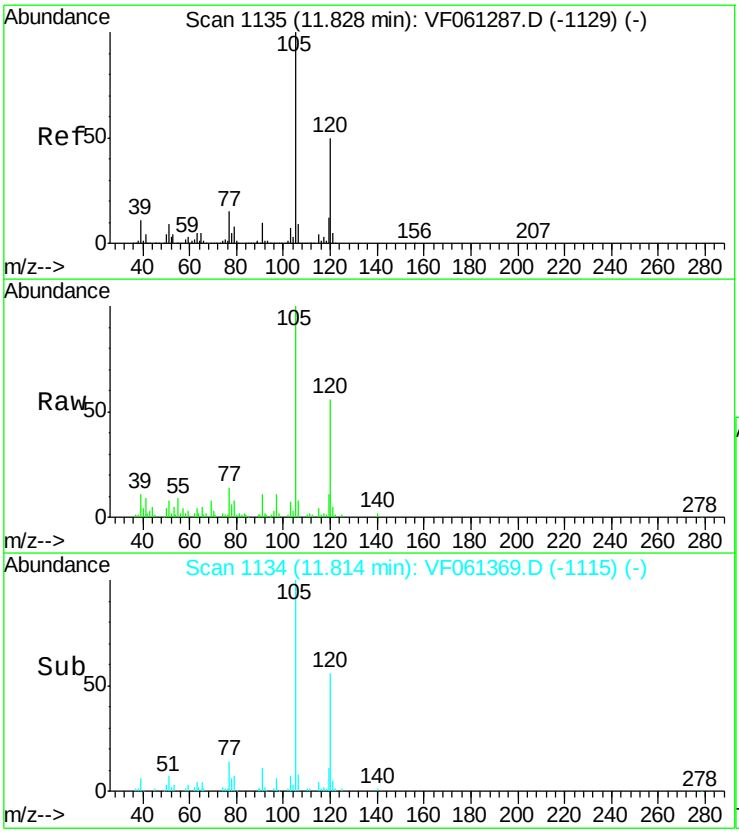
Tgt Ion: 91 Resp: 31523

Ion	Ratio	Lower	Upper
91	100		
120	15.9	10.7	32.1

Instrument :
MSVOA_F
ClientSampleId :
DS-C

Manual Integrations APPROVED
MMDadoda
1/14/2019 1:16:59 PM

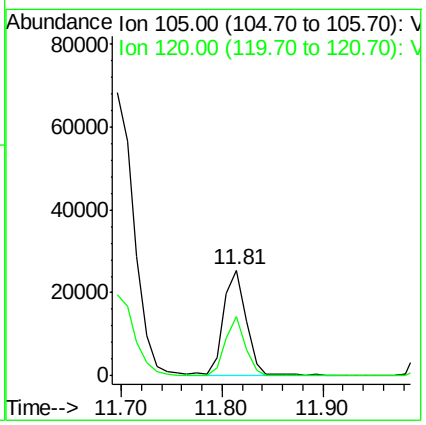


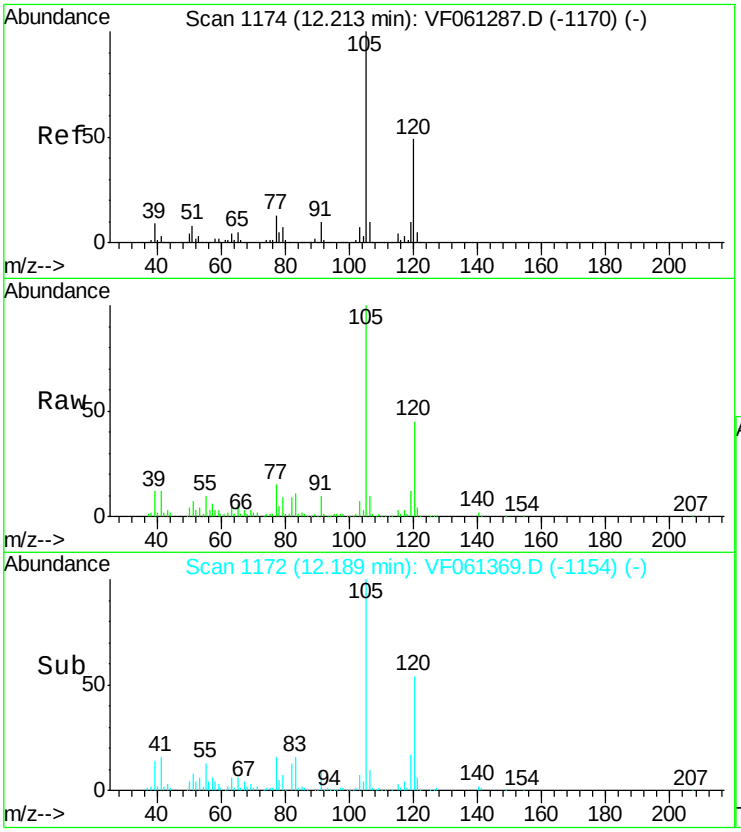


#80
1,3,5-Trimethylbenzene
Concen: 10.157 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.01 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion:105 Resp: 40658

Ion	Ratio	Lower	Upper
105	100		
120	55.6	25.2	75.6





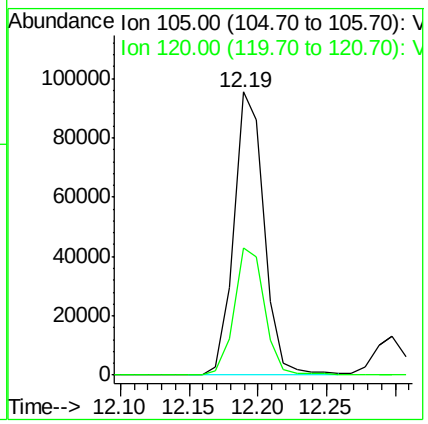
#84
1,2,4-Trimethylbenzene
Concen: 36.662 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

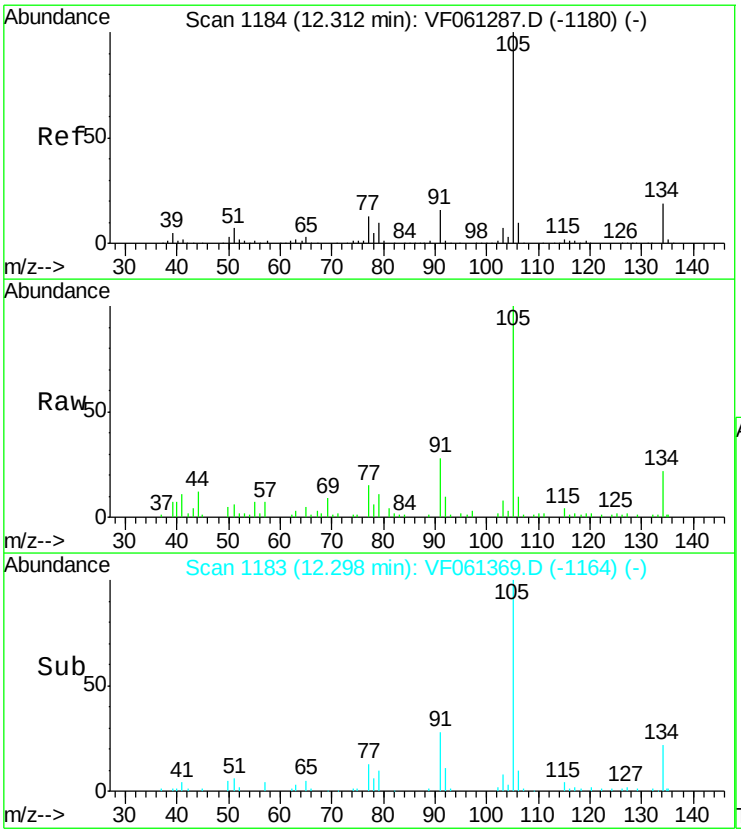
Tgt Ion:105 Resp: 145710

Ion	Ratio	Lower	Upper
105	100		
120	45.2	24.7	74.1

Instrument :
MSVOA_F
ClientSampleId :
DS-C

Manual Integrations APPROVED
MMDadoda
1/14/2019 1:16:59 PM

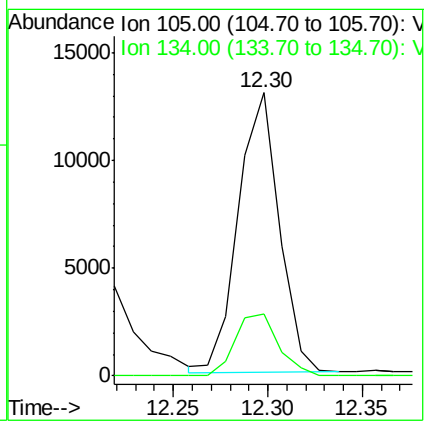


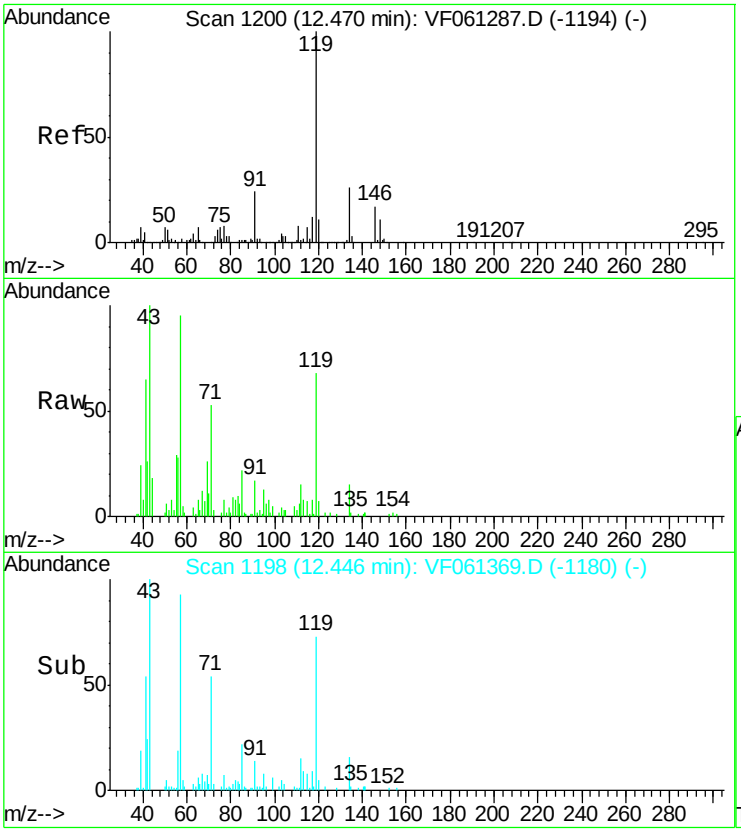


#85
sec-Butylbenzene
Concen: 3.424 ug/l
RT: 12.30 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion:105 Resp: 19444

Ion	Ratio	Lower	Upper
105	100		
134	22.1	9.7	28.9

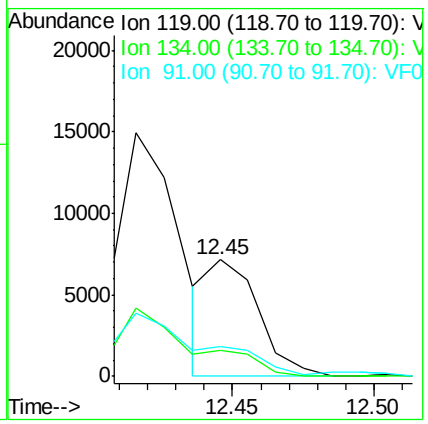




#86
p-Isopropyltoluene
Concen: 1.921 ug/l m
RT: 12.45 min Scan# 1198
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion:119 Resp: 8873

Ion	Ratio	Lower	Upper
119	100		
134	22.0	13.0	39.0
91	25.7	12.2	36.4



Instrument :
MSVOA_F
ClientSampleId :
DS-C

Manual Integrations APPROVED
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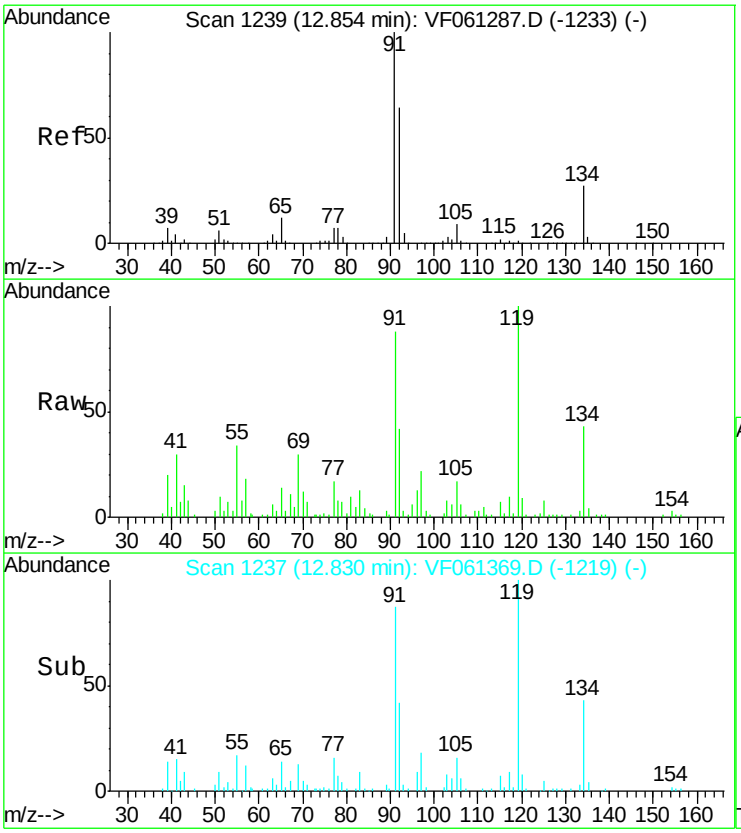

#89
n-Butylbenzene
Concen: 6.197 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion: 91 Resp: 29412

Ion	Ratio	Lower	Upper
91	100		
92	48.3	32.1	96.3
134	48.7	13.4	40.1#