Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022819\
Data File : VF061794.D
Acq On : 28 Feb 2019 18:21
Operator : VA/AP
Sample : K1349-15
Misc : 7.62g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-B

Manual Integrations APPROVED
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3/2/2019 4:09:49 AM

Quant Time: Mar 01 00:44:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	309012	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	458818	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	376718	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	191396	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	119564	52.76	ug/l	-0.03
Spiked Amount 50.000			Recovery = 105.52%			
35) Dibromofluoromethane	4.10	113	169175	49.65	ug/l	-0.02
Spiked Amount 50.000			Recovery = 99.30%			
50) Toluene-d8	7.54	98	400641	40.90	ug/l	-0.02
Spiked Amount 50.000			Recovery = 81.80%			
62) 4-Bromofluorobenzene	11.39	95	160188	40.42	ug/l	-0.02
Spiked Amount 50.000			Recovery = 80.84%			
Target Compounds						Qvalue
16) Acetone	2.22	43	22515	46.309	ug/l #	77
20) Methylene Chloride	2.24	84	29044m	9.086	ug/l	
52) Toluene	7.61	92	101832	14.123	ug/l	99
68) m/p-Xylenes	10.11	106	22448	4.614	ug/l	97
69) o-Xylene	10.69	106	12130	2.336	ug/l	84
80) 1,3,5-Trimethylbenzene	11.81	105	12515	1.149	ug/l	88
84) 1,2,4-Trimethylbenzene	12.19	105	48372	4.470	ug/l	92
95) Naphthalene	14.44	128	30123	3.848	ug/l #	93

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

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Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-B

Manual Integrations APPROVED
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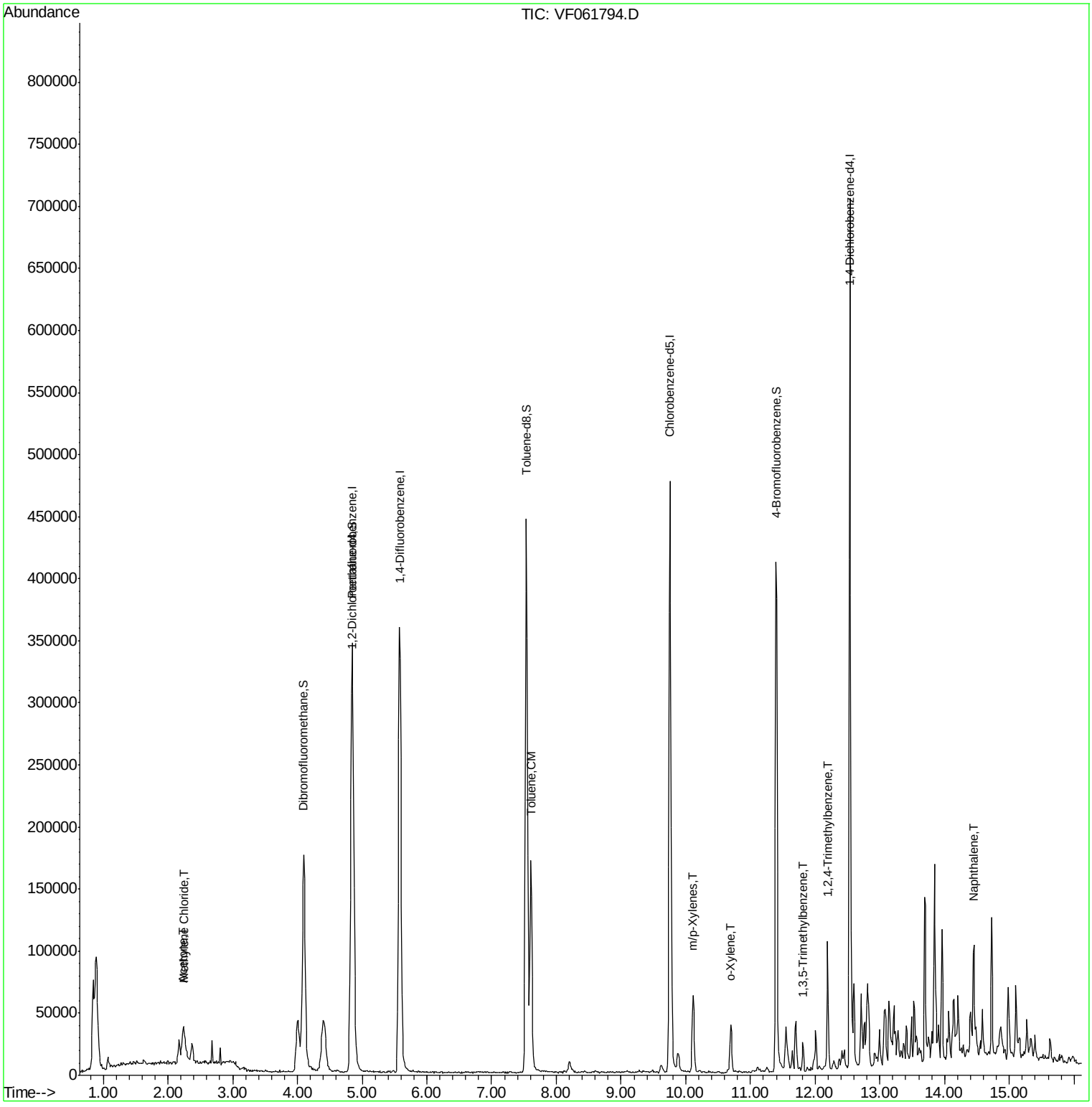
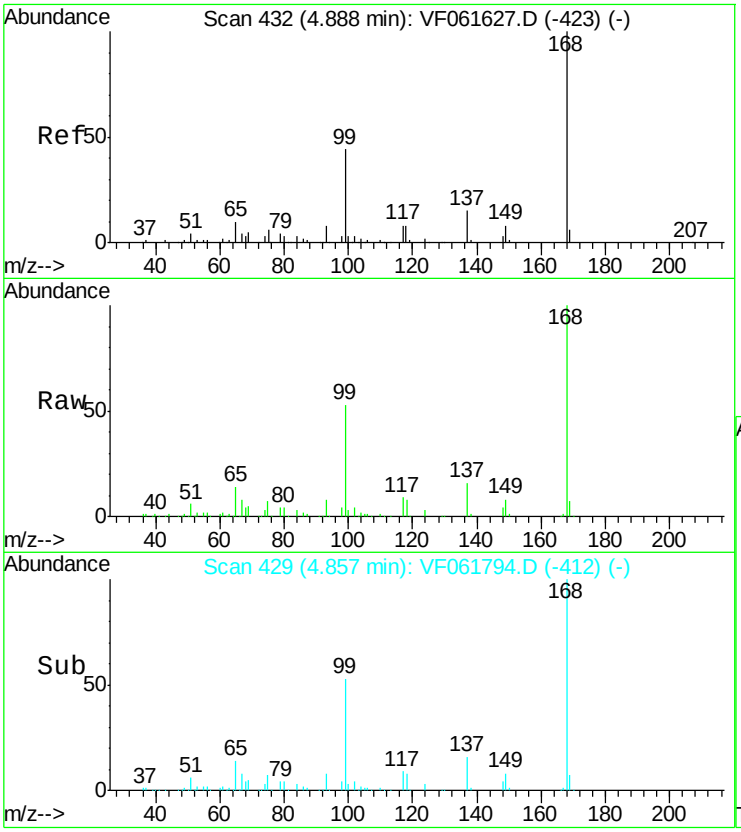
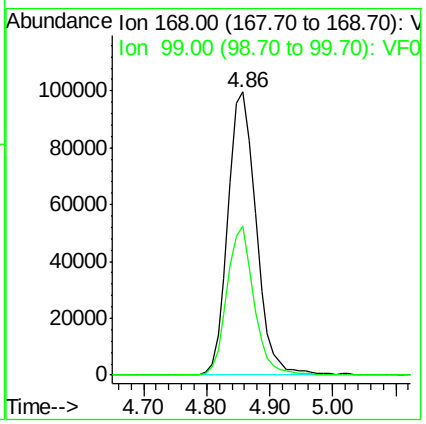




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.03 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion:168 Resp: 309012

Ion	Ratio	Lower	Upper
168	100		
99	52.5	34.9	52.3#



Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-B

Manual Integrations APPROVED
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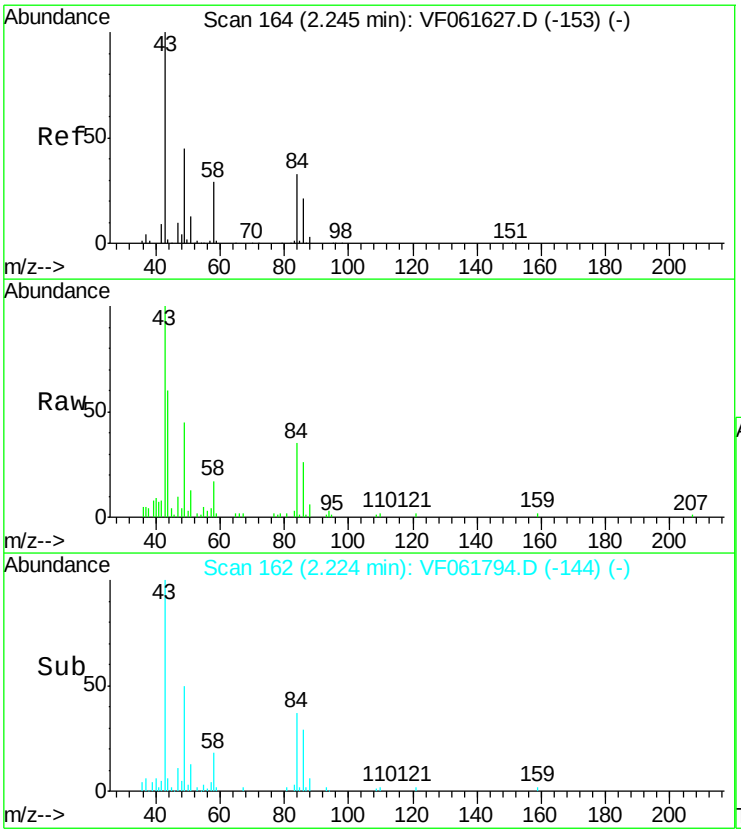
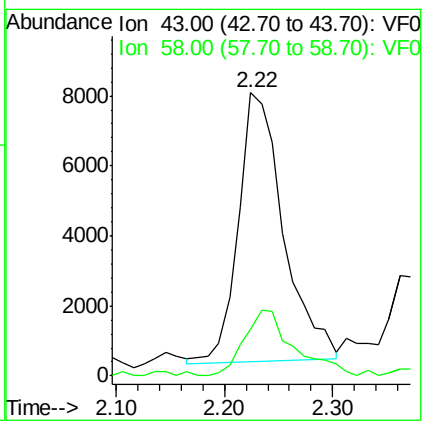
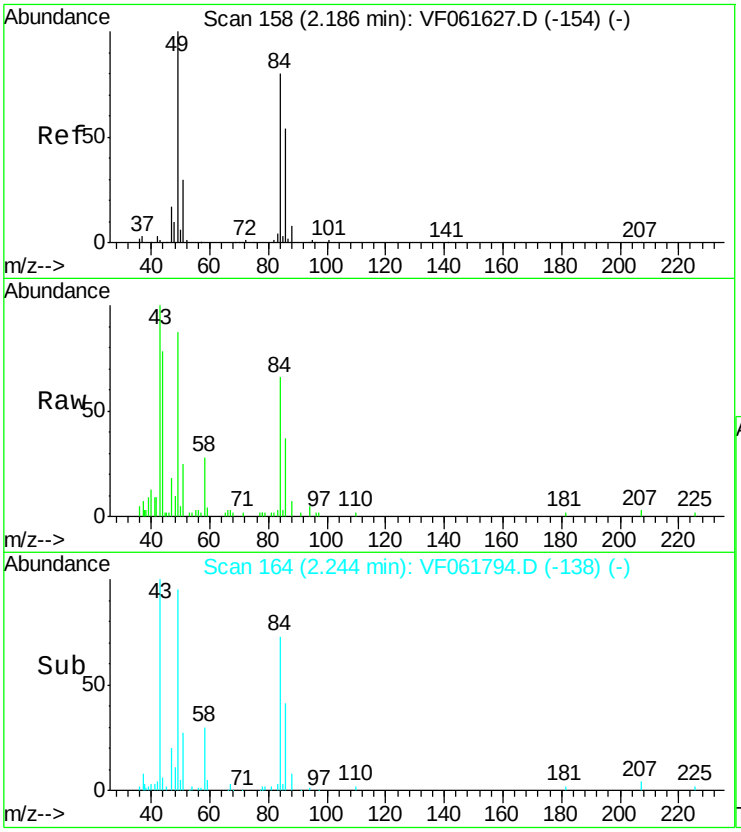


#16
Acetone
Concen: 46.309 ug/l
RT: 2.22 min Scan# 162
Delta R.T. -0.02 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion: 43 Resp: 22515

Ion	Ratio	Lower	Upper
43	100		
58	16.6	22.9	34.3#

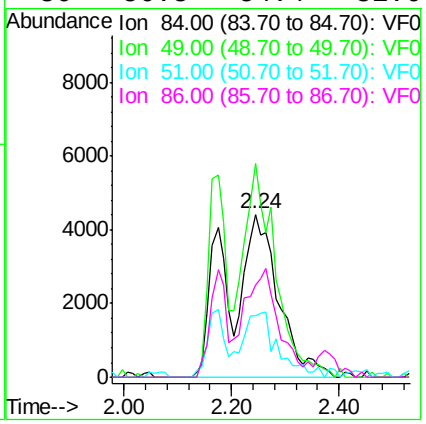




#20
Methylene Chloride
Concen: 9.086 ug/l m
RT: 2.24 min Scan# 164
Delta R.T. 0.06 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion: 84 Resp: 29044

Ion	Ratio	Lower	Upper
84	100		
49	131.0	101.8	152.8
51	37.4	31.1	46.7
86	56.3	54.4	81.6



Instrument :
MSVOA_F
ClientSampleId :
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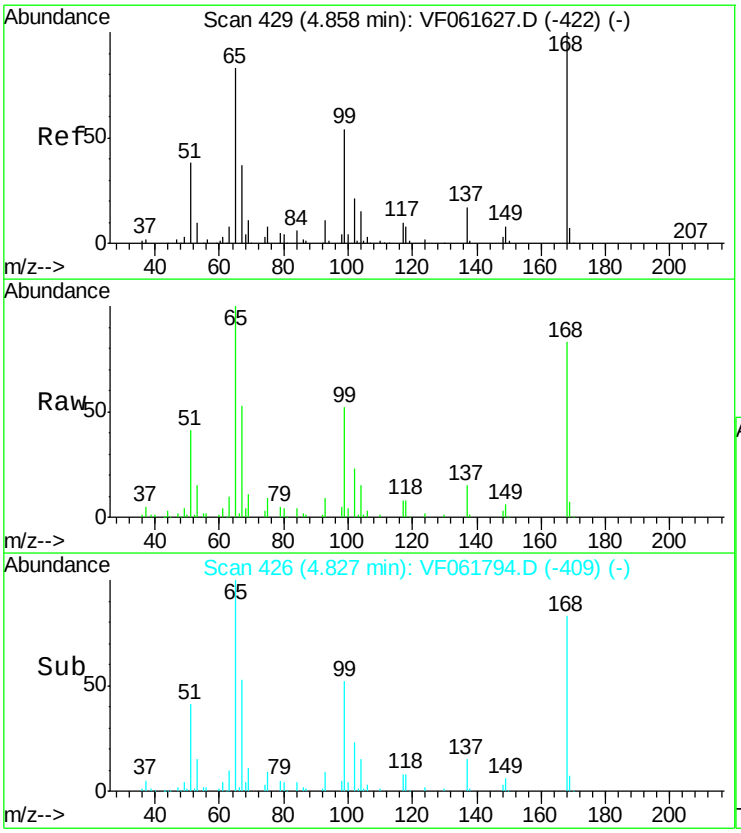
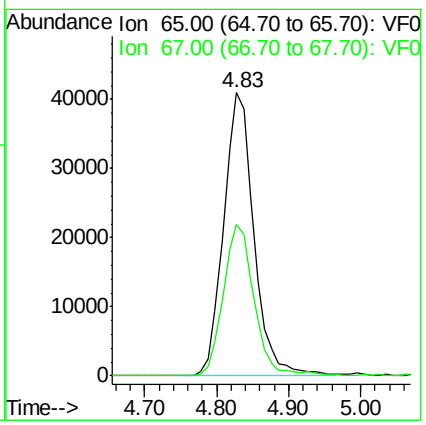
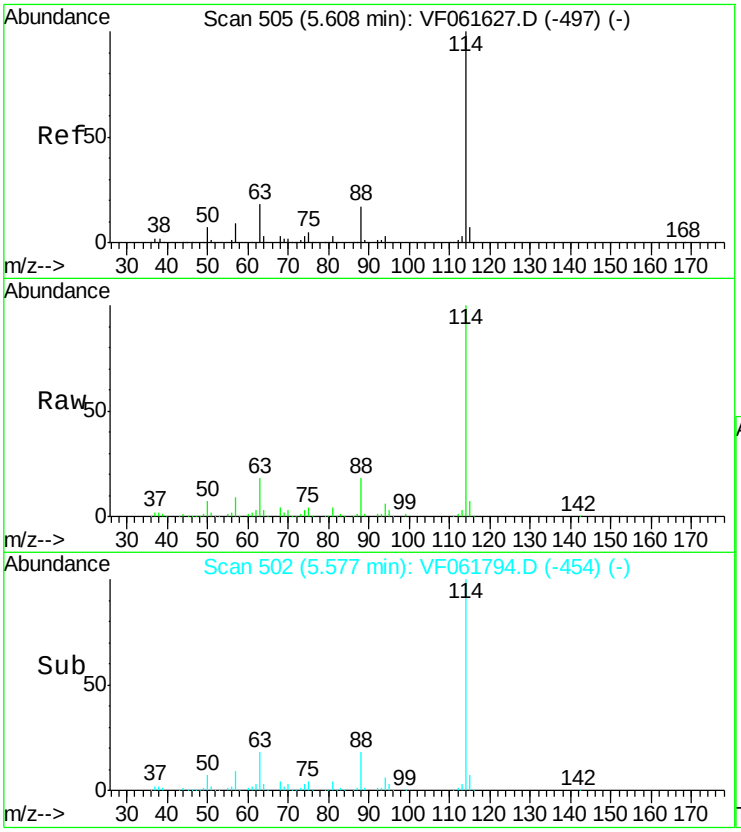


#33
1,2-Dichloroethane-d4
Concen: 52.764 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.03 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion: 65 Resp: 119564

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	104.0

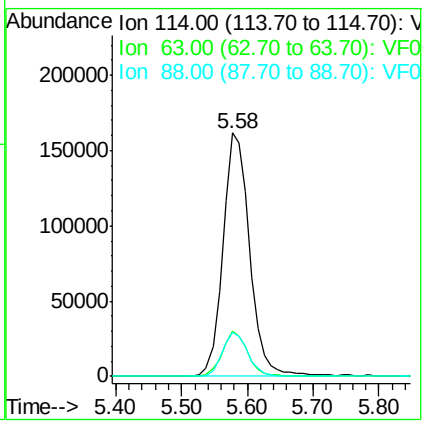




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.58 min Scan# 502
Delta R.T. -0.03 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion:114 Resp: 458818

Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	36.6
88	18.3	0.0	34.4



Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-B

Manual Integrations APPROVED
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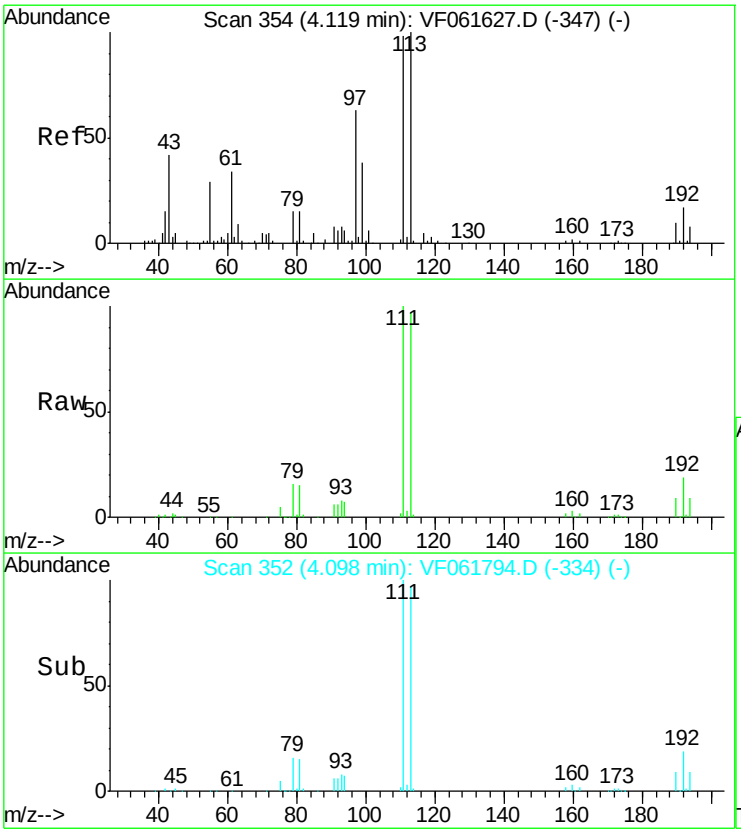
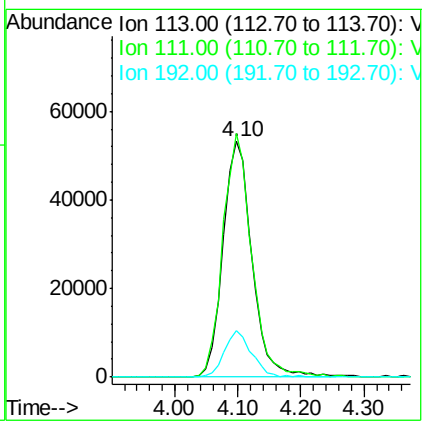
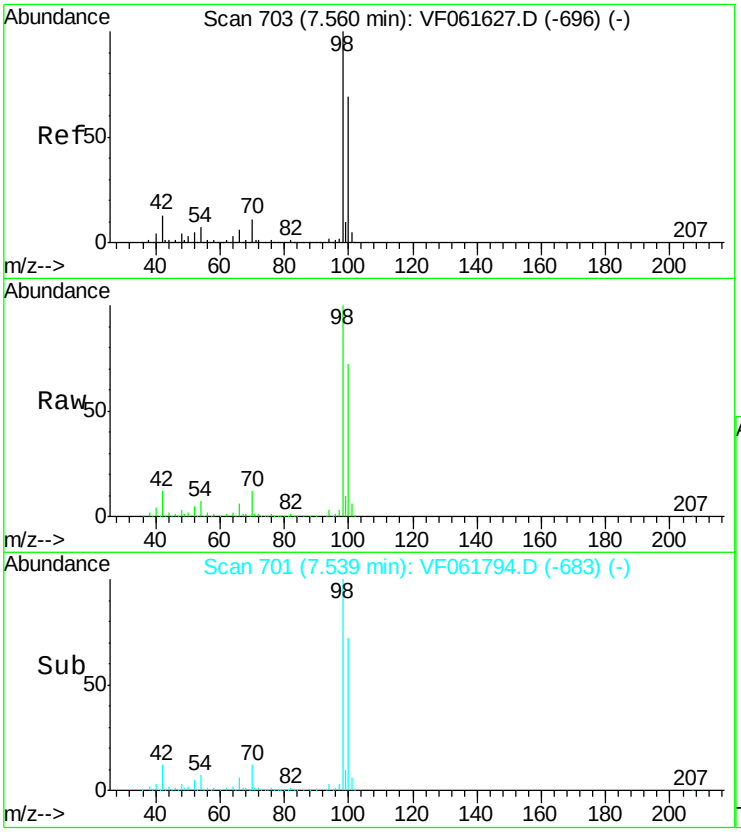


#35
Dibromofluoromethane
Concen: 49.652 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.02 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion:113 Resp: 169175

Ion	Ratio	Lower	Upper
113	100		
111	103.4	78.8	118.2
192	19.8	13.4	20.0

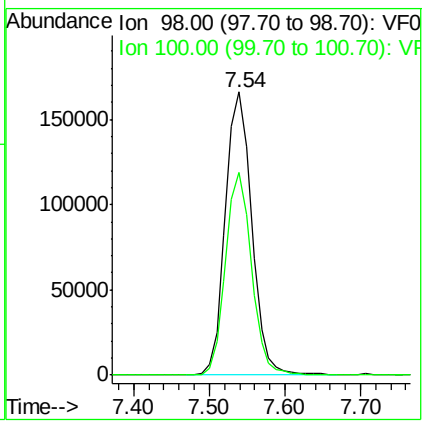




#50
Toluene-d8
Concen: 40.904 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion: 98 Resp: 400641

Ion	Ratio	Lower	Upper
98	100		
100	71.6	55.4	83.2



Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-B

Manual Integrations APPROVED
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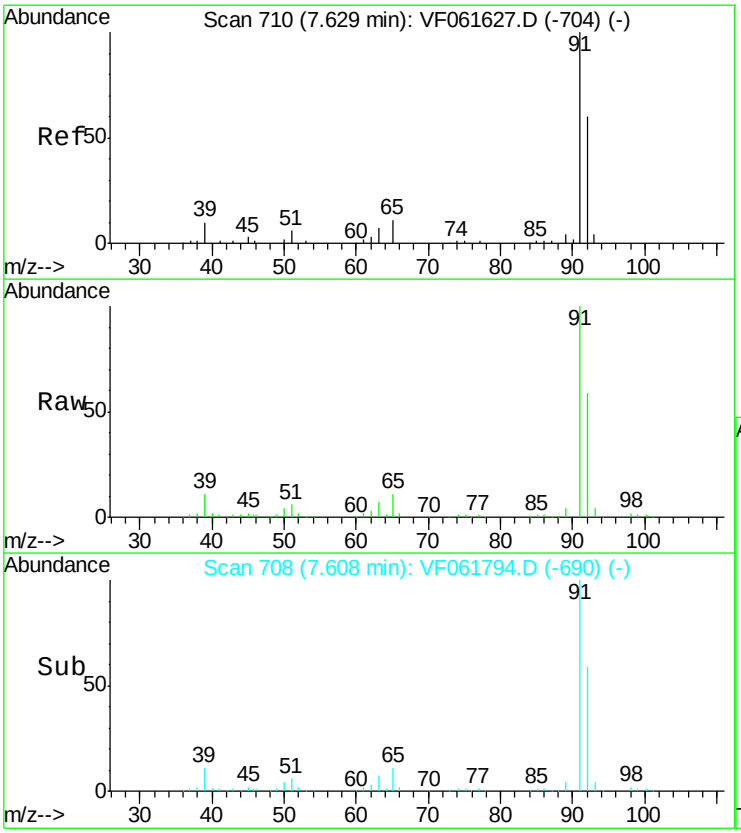
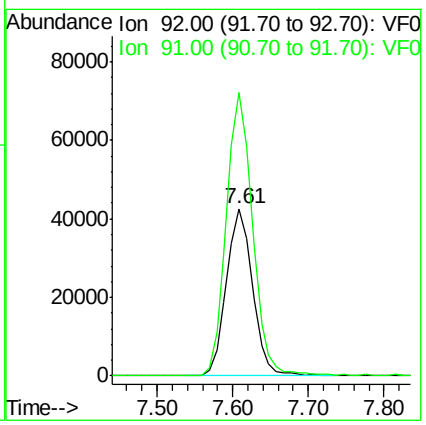
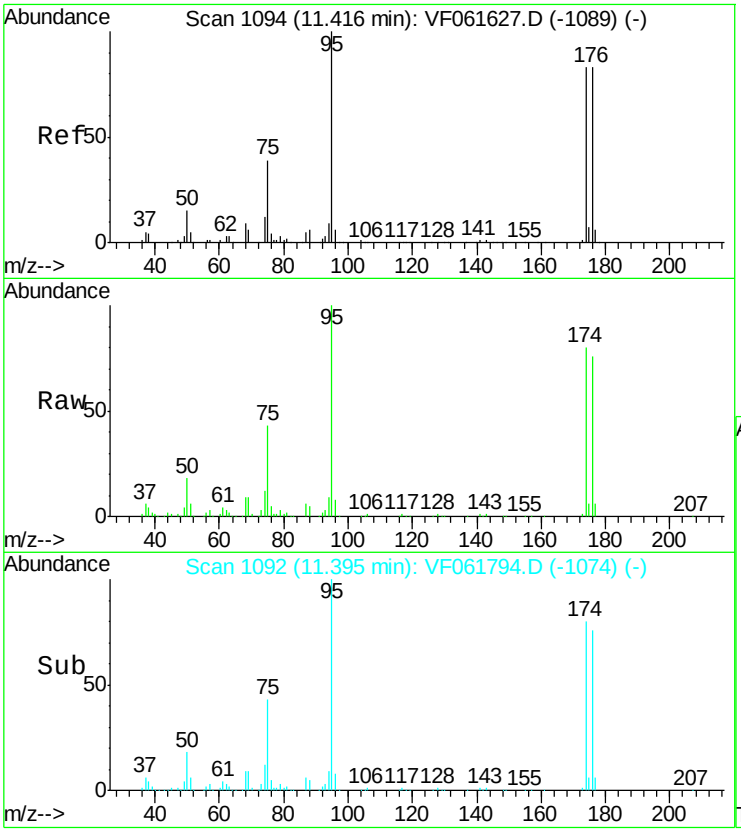


#52
Toluene
Concen: 14.123 ug/l
RT: 7.61 min Scan# 708
Delta R.T. -0.02 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion: 92 Resp: 101832

Ion	Ratio	Lower	Upper
92	100		
91	169.3	133.9	200.9

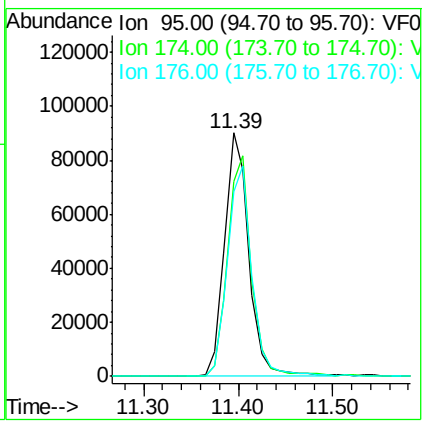




#62
4-Bromofluorobenzene
Concen: 40.419 ug/l
RT: 11.39 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion: 95 Resp: 160188

Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	165.8
176	75.9	0.0	167.0



Instrument :
MSVOA_F
ClientSampleId :
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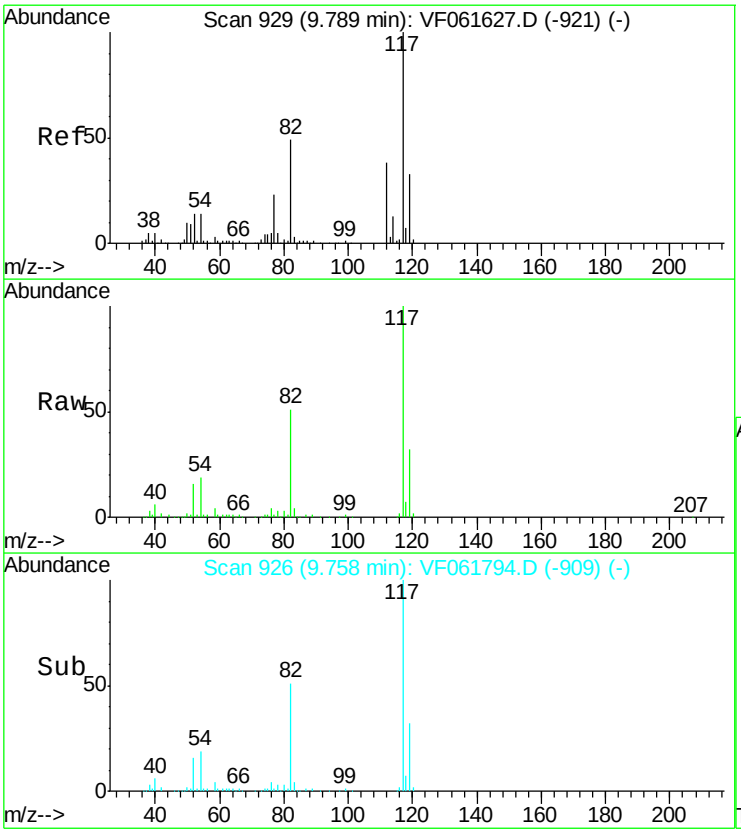
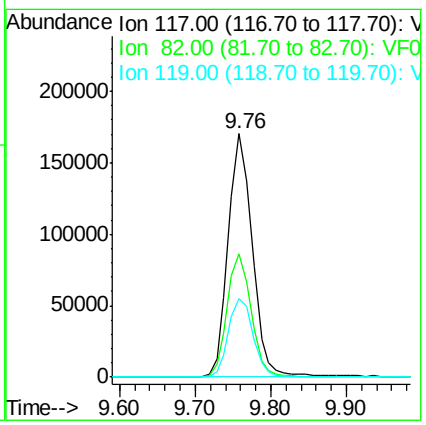
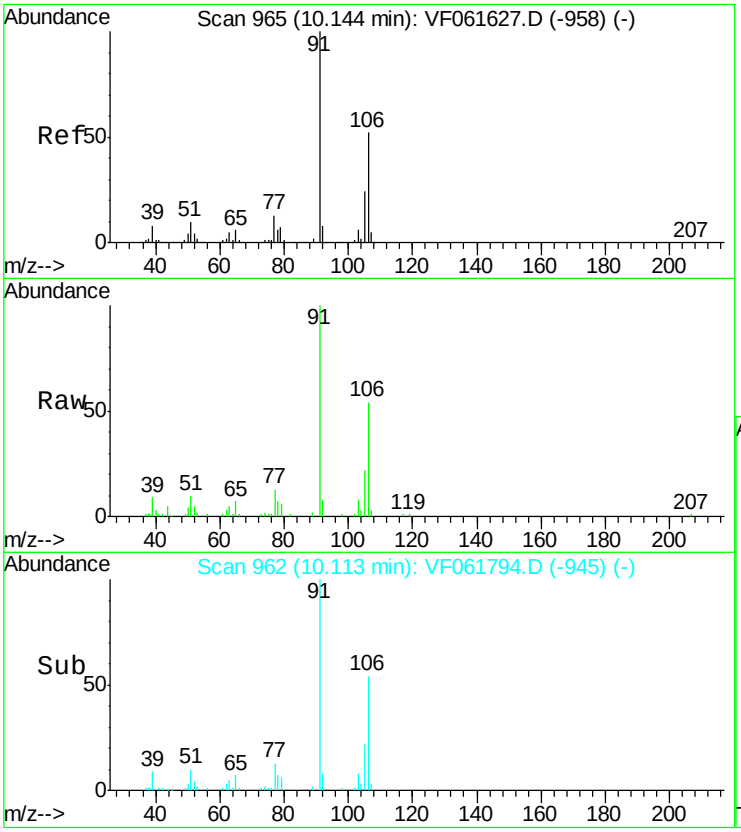


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion:117 Resp: 376718

Ion	Ratio	Lower	Upper
117	100		
82	50.7	39.3	58.9
119	32.5	26.6	40.0

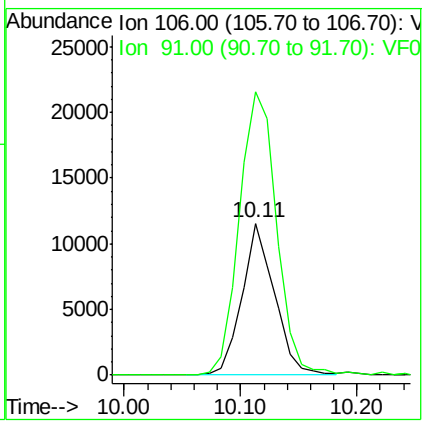




#68
m/p-Xylenes
Concen: 4.614 ug/l
RT: 10.11 min Scan# 962
Delta R.T. -0.03 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion:106 Resp: 22448

Ion	Ratio	Lower	Upper
106	100		
91	186.8	153.0	229.6



Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-B

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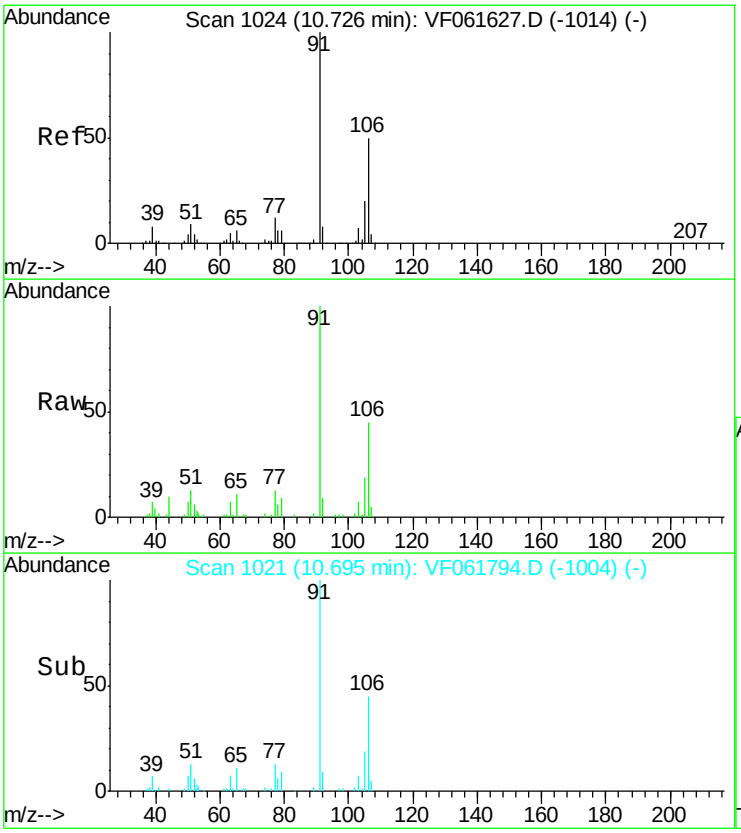
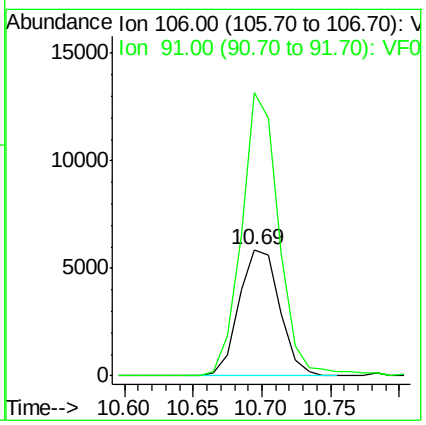
3/2/2019 4:09:49 AM

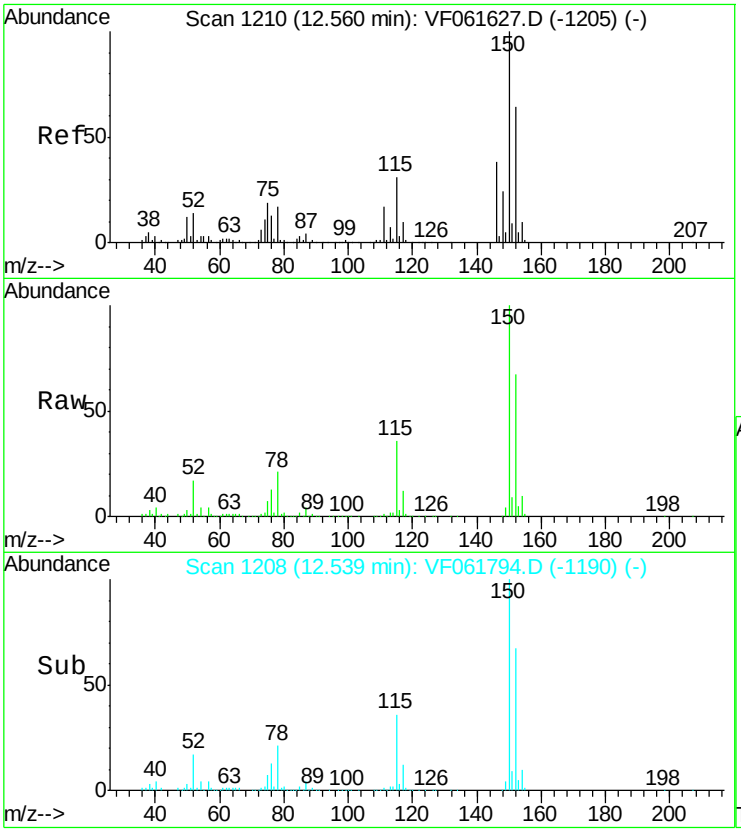


#69
o-Xylene
Concen: 2.336 ug/l
RT: 10.69 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion:106 Resp: 12130

Ion	Ratio	Lower	Upper
106	100		
91	223.7	100.1	300.1

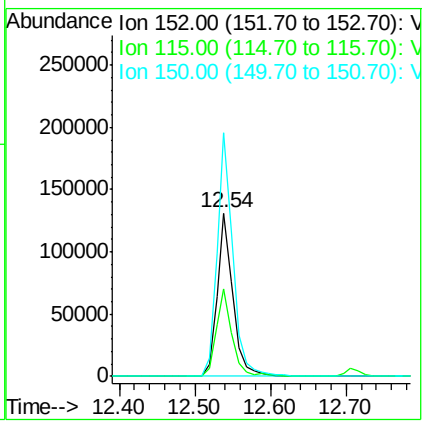




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion:152 Resp: 191396

Ion	Ratio	Lower	Upper
152	100		
115	53.4	24.3	72.8
150	148.9	0.0	312.0



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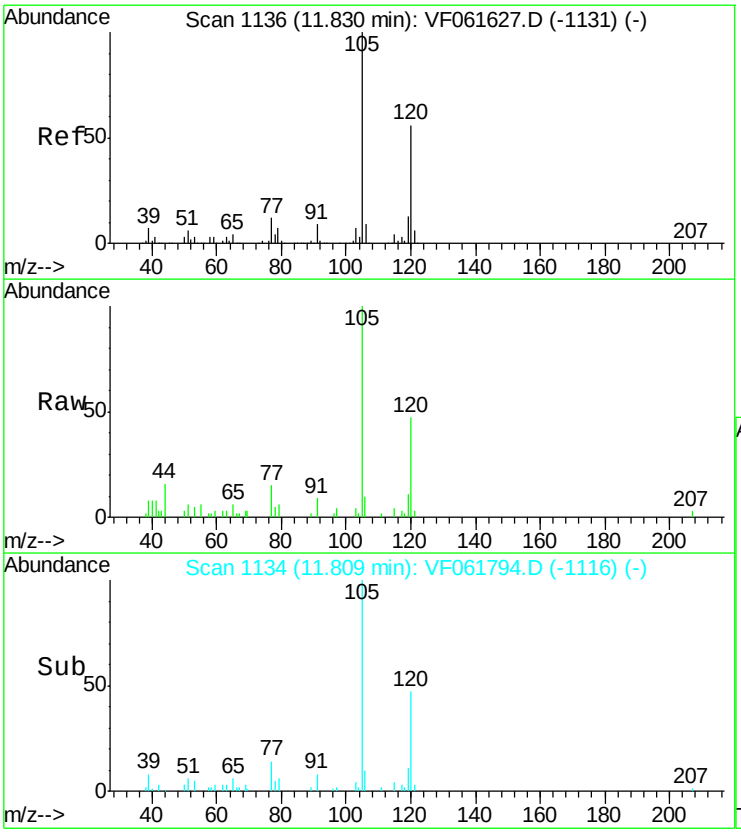
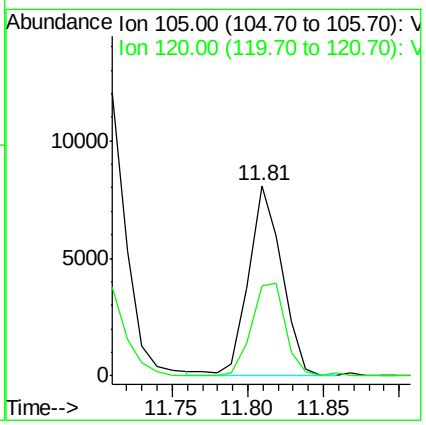
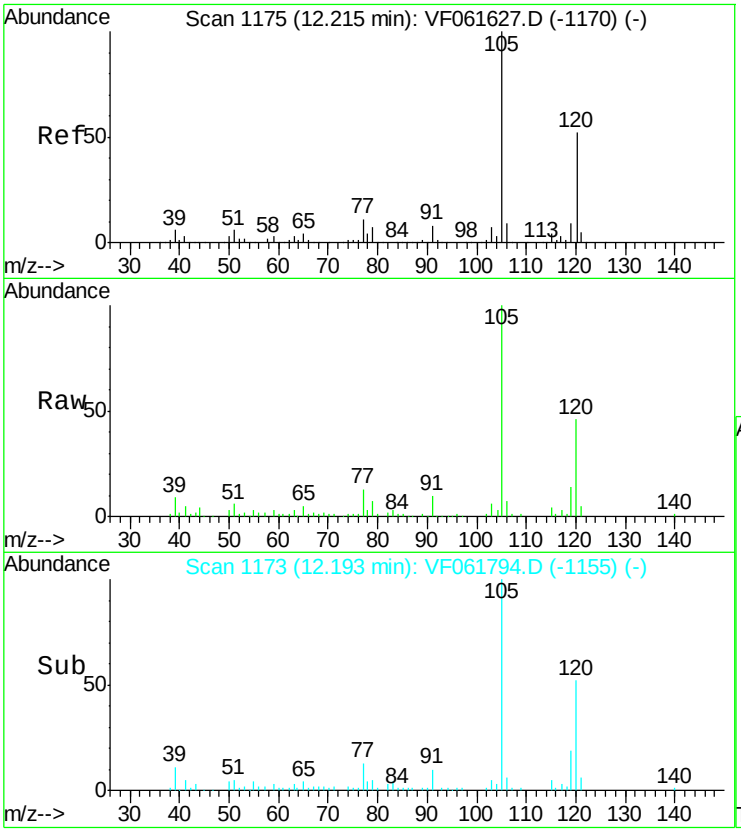


#80
1,3,5-Trimethylbenzene
Concen: 1.149 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.02 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion:105 Resp: 12515

Ion	Ratio	Lower	Upper
105	100		
120	47.1	27.9	83.6





#84
1,2,4-Trimethylbenzene
Concen: 4.470 ug/l
RT: 12.19 min Scan# 1173
Delta R.T. -0.02 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion:105 Resp: 48372

Ion	Ratio	Lower	Upper
105	100		
120	46.3	26.1	78.3

Instrument :
MSVOA_F
ClientSampleId :
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MMDadoda
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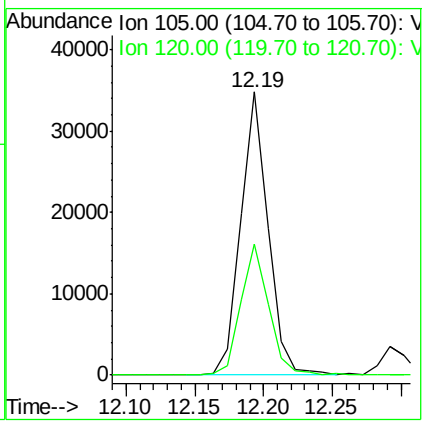

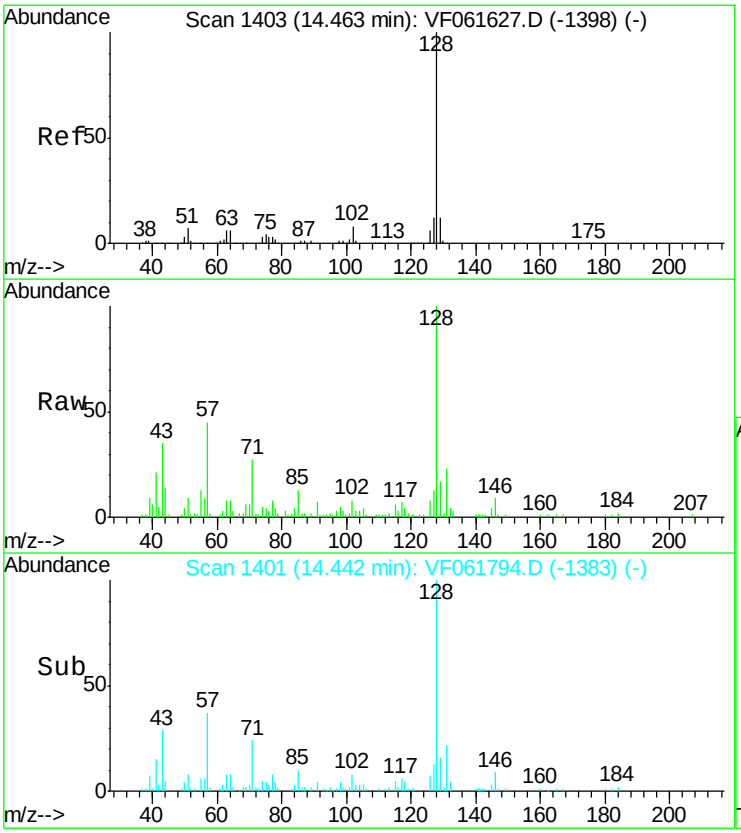

#95
Naphthalene
Concen: 3.848 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion:128 Resp: 30123

Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.8	14.6
129	16.8	9.4	14.2#