Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100318\
Data File : VF060432.D
Acq On : 3 Oct 2018 23:19
Operator : VA/AP
Sample : J5198-05
Misc : 6.06/5mL/MSVOA_F/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
CL-01-100218-C

Manual Integrations APPROVED
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Quant Time: Oct 04 07:11:34 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	274569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	439063	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	283751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	130605	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	208182	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery = 96.92%			
35) Dibromofluoromethane	4.27	113	229890	55.73	ug/l	0.00
Spiked Amount 50.000			Recovery = 111.46%			
50) Toluene-d8	7.69	98	273498	26.92	ug/l	0.00
Spiked Amount 50.000			Recovery = 53.84%			
62) 4-Bromofluorobenzene	11.49	95	173794	37.47	ug/l	0.00
Spiked Amount 50.000			Recovery = 74.94%			
Target Compounds						Qvalue
20) Methylene Chloride	2.27	84	31463m	5.024	ug/l	
40) Benzene	4.79	78	12927	1.203	ug/l	98
52) Toluene	7.76	92	90550	12.405	ug/l	100
67) Ethyl Benzene	10.02	91	17449	1.574	ug/l	95
68) m/p-Xylenes	10.25	106	7152	1.877	ug/l #	62
69) o-Xylene	10.81	106	6522	1.570	ug/l	91
84) 1,2,4-Trimethylbenzene	12.28	105	14422	1.664	ug/l	96
95) Naphthalene	14.52	128	10316	1.863	ug/l	96

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

Quantitation Report (QT/LSC Reviewed)

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Instrument :
MSVOA_F
ClientSampleId :
CL-01-100218-C

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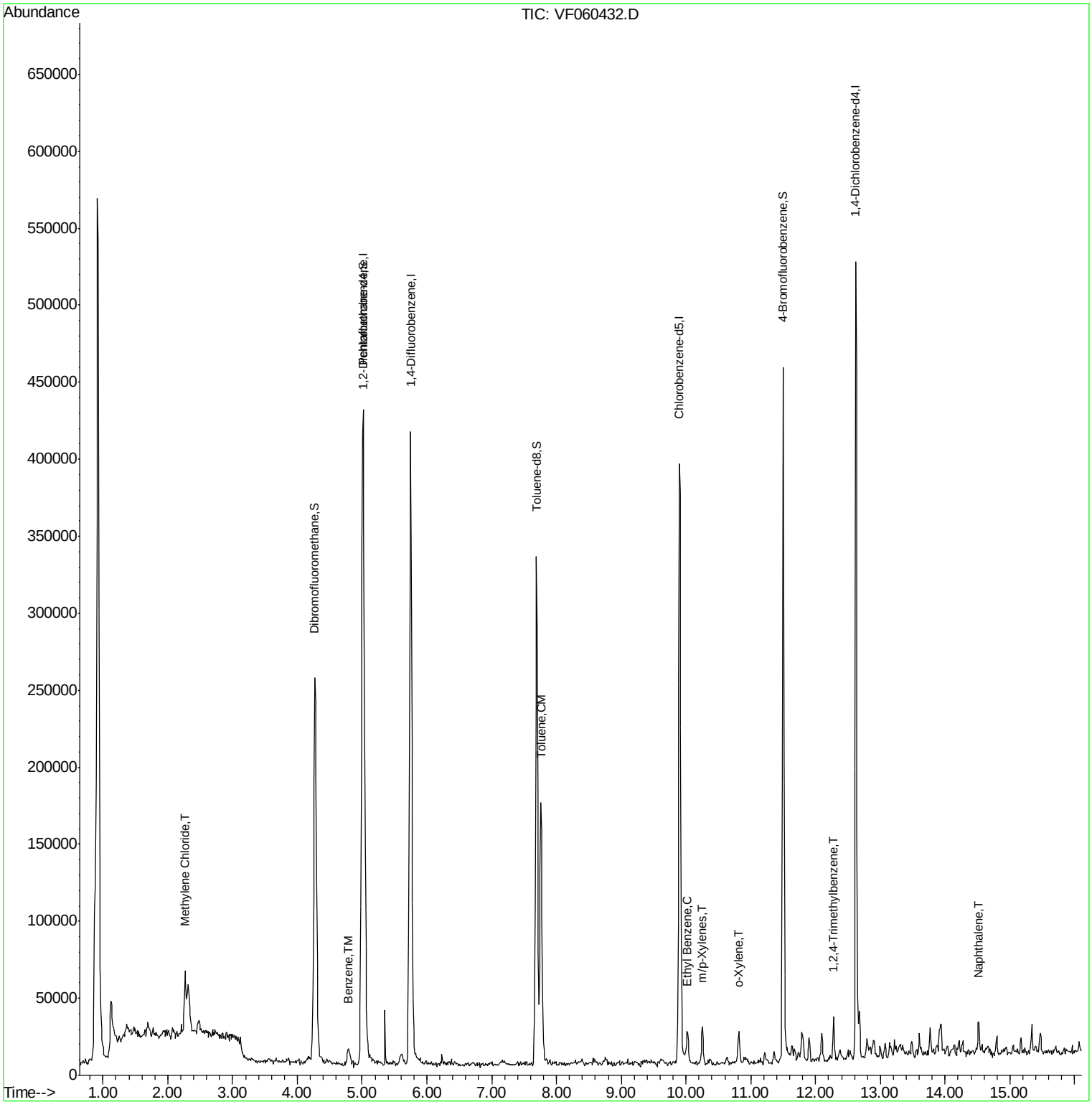
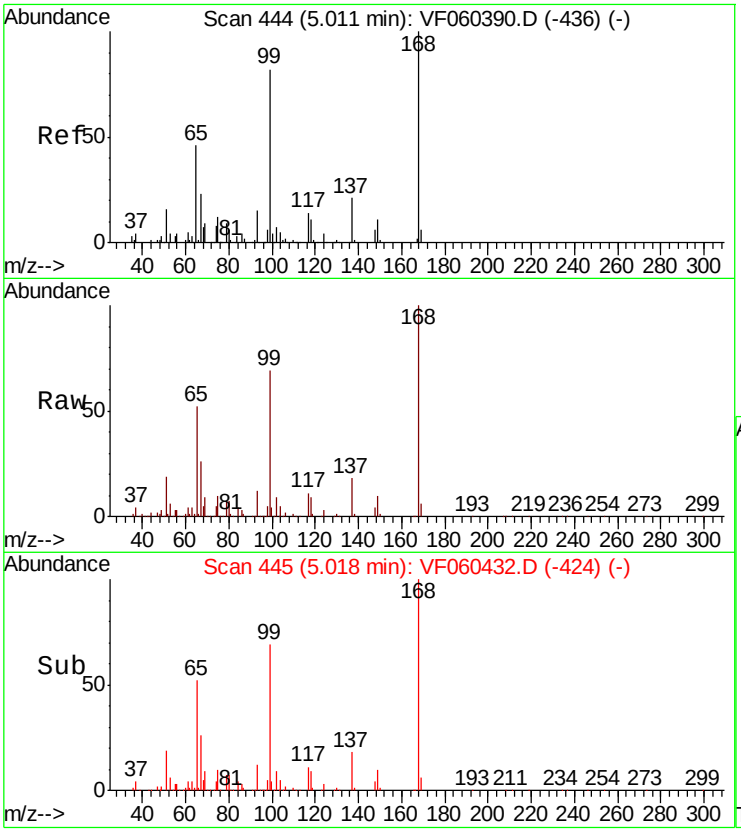
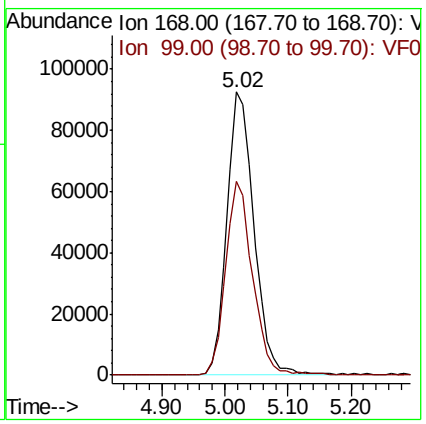




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.02 min Scan# 445
Delta R.T. 0.01 min
Lab File: VF060432.D
Acq: 3 Oct 2018 23:19

Tgt Ion:168 Resp: 274569

Ion	Ratio	Lower	Upper
168	100		
99	68.5	65.3	97.9



Instrument :
MSVOA_F
ClientSampleId :
CL-01-100218-C

Manual Integrations APPROVED
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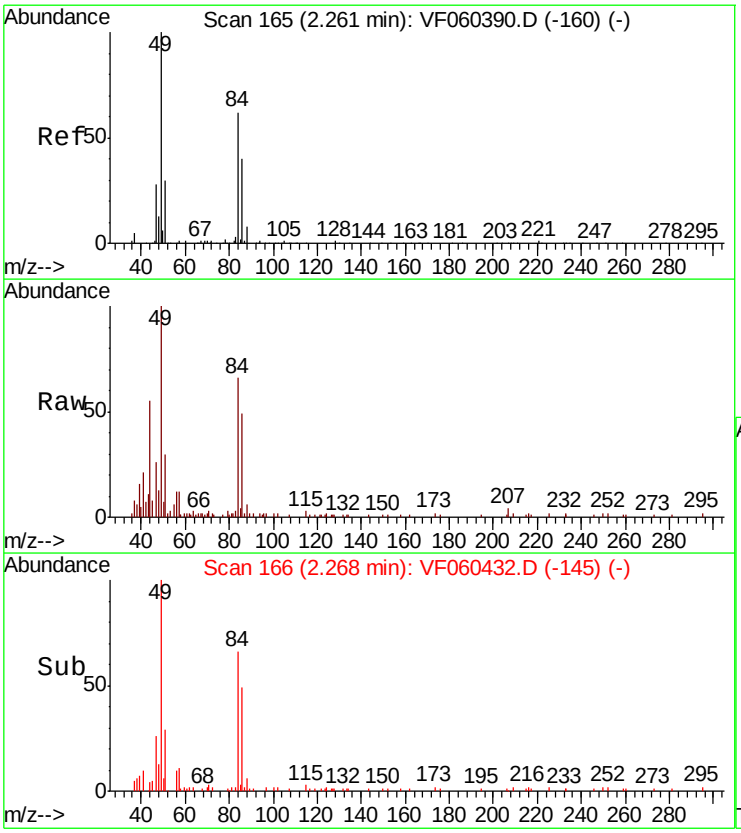
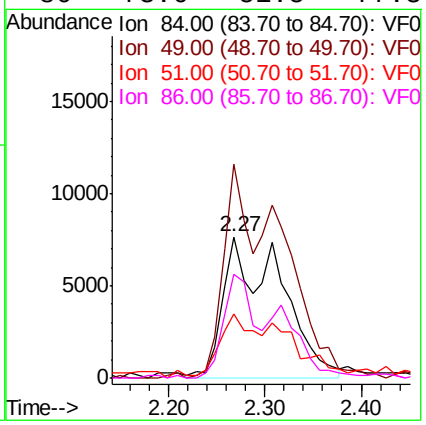
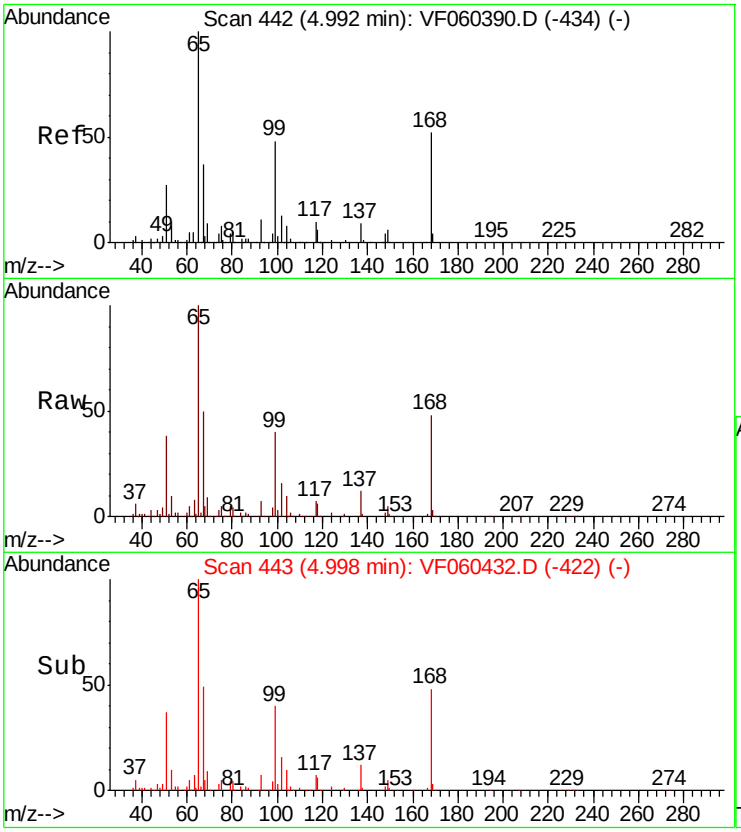


#20
Methylene Chloride
Concen: 5.024 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060432.D
Acq: 3 Oct 2018 23:19

Tgt Ion: 84 Resp: 31463

Ion	Ratio	Lower	Upper
84	100		
49	151.1	130.2	195.2
51	45.6	41.0	61.6
86	73.6	51.5	77.3

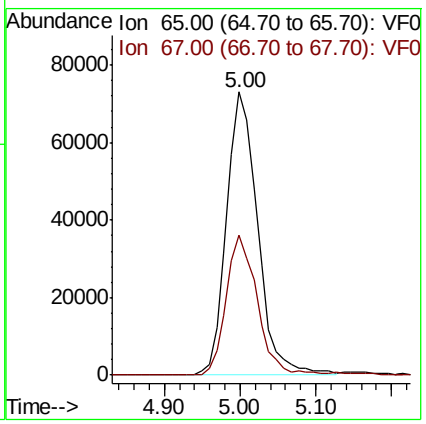




#33
1,2-Dichloroethane-d4
Concen: 48.455 ug/l
RT: 5.00 min Scan# 443
Delta R.T. 0.01 min
Lab File: VF060432.D
Acq: 3 Oct 2018 23:19

Tgt Ion: 65 Resp: 208182

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	89.4



Instrument :
MSVOA_F
ClientSampleId :
CL-01-100218-C

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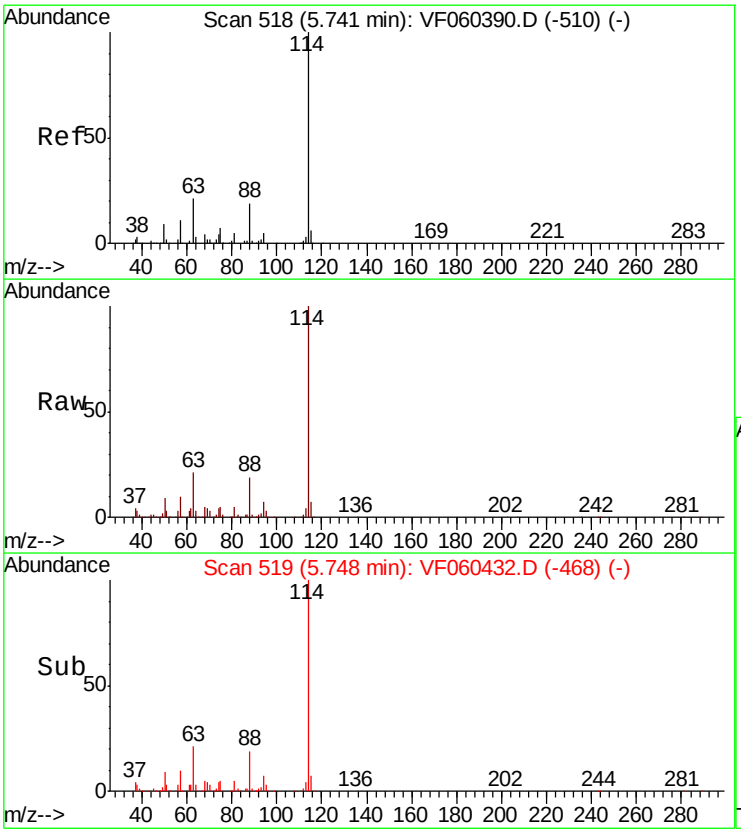
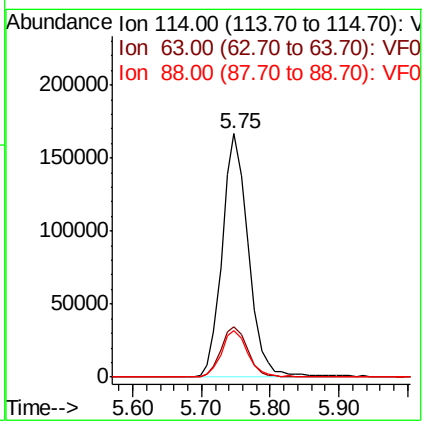
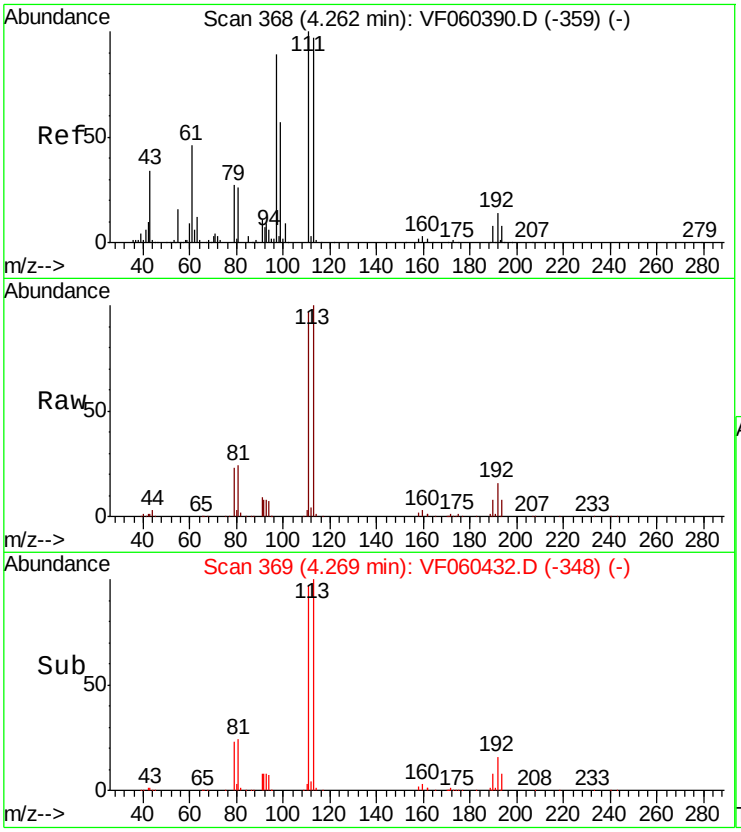


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.75 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF060432.D
Acq: 3 Oct 2018 23:19

Tgt Ion:114 Resp: 439063

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	42.2
88	19.3	0.0	38.8

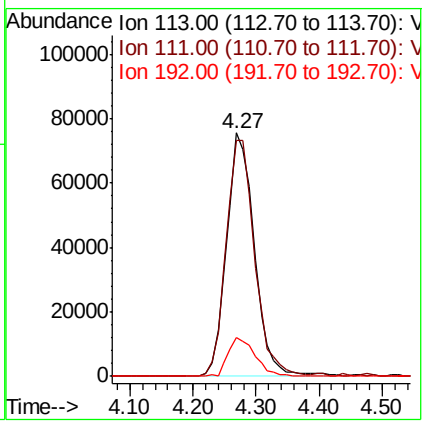




#35
Dibromofluoromethane
Concen: 55.735 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.01 min
Lab File: VF060432.D
Acq: 3 Oct 2018 23:19

Tgt Ion:113 Resp: 229890

Ion	Ratio	Lower	Upper
113	100		
111	97.2	82.3	123.5
192	15.9	11.8	17.6



Instrument :
MSVOA_F
ClientSampleId :
CL-01-100218-C

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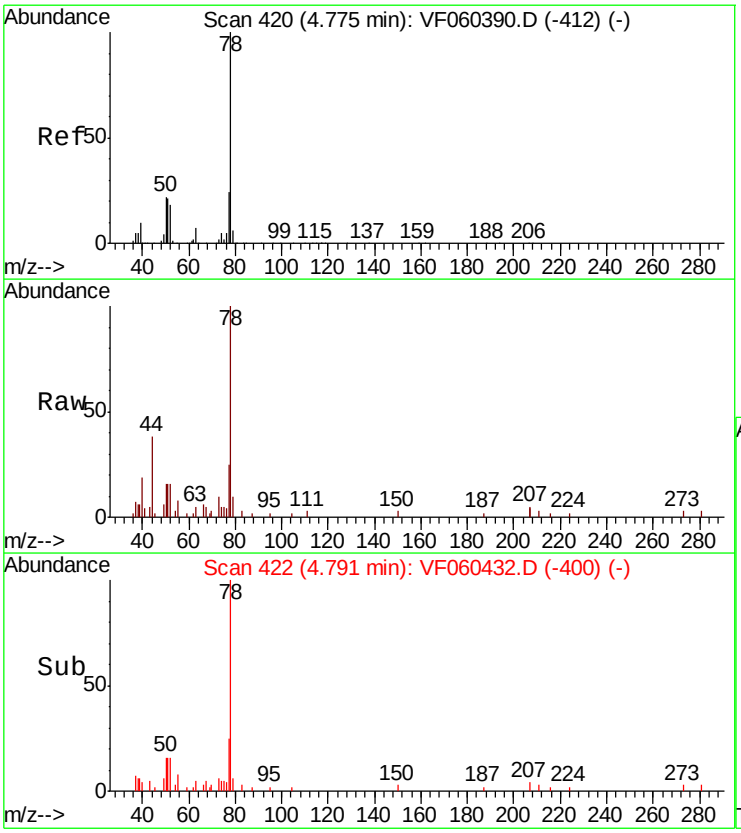
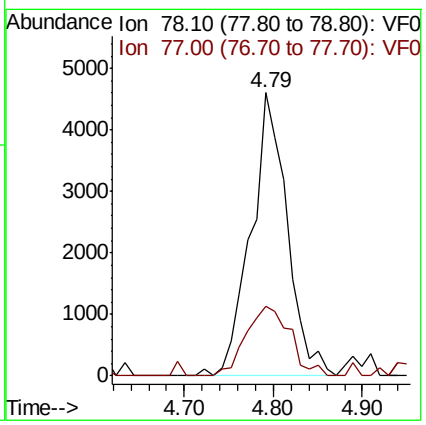
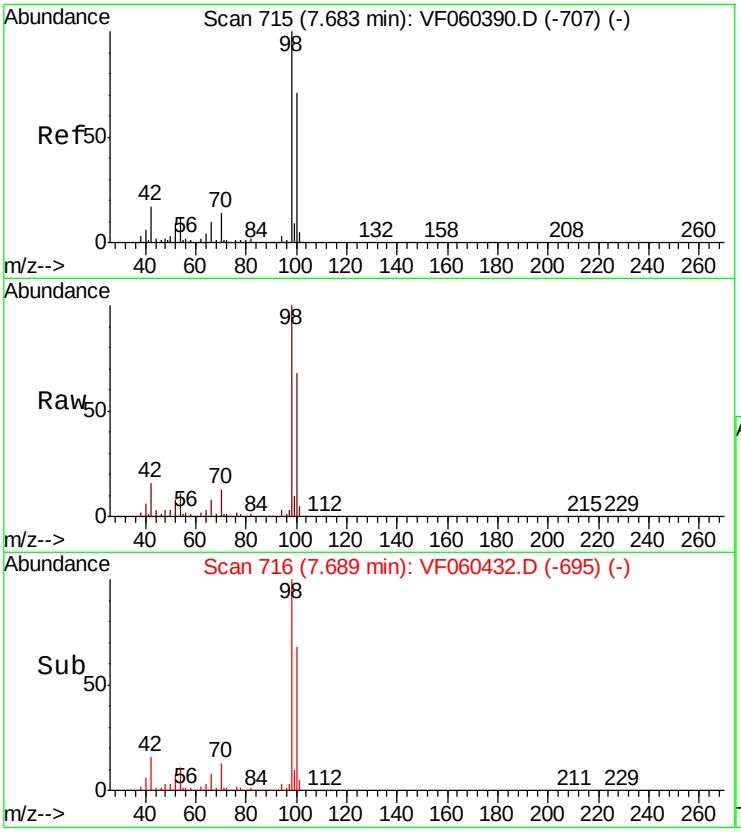


#40
Benzene
Concen: 1.203 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.02 min
Lab File: VF060432.D
Acq: 3 Oct 2018 23:19

Tgt Ion: 78 Resp: 12927

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8

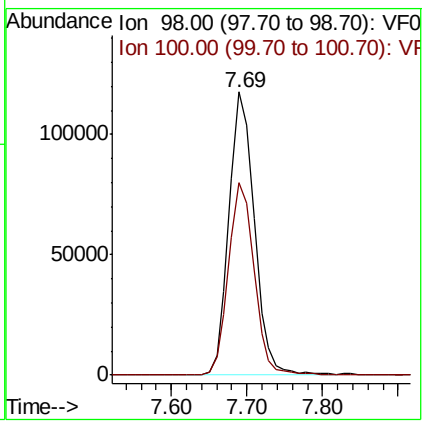




#50
Toluene-d8
Concen: 26.923 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060432.D
Acq: 3 Oct 2018 23:19

Tgt Ion: 98 Resp: 273498

Ion	Ratio	Lower	Upper
98	100		
100	68.2	56.5	84.7



Instrument :
MSVOA_F
ClientSampleId :
CL-01-100218-C

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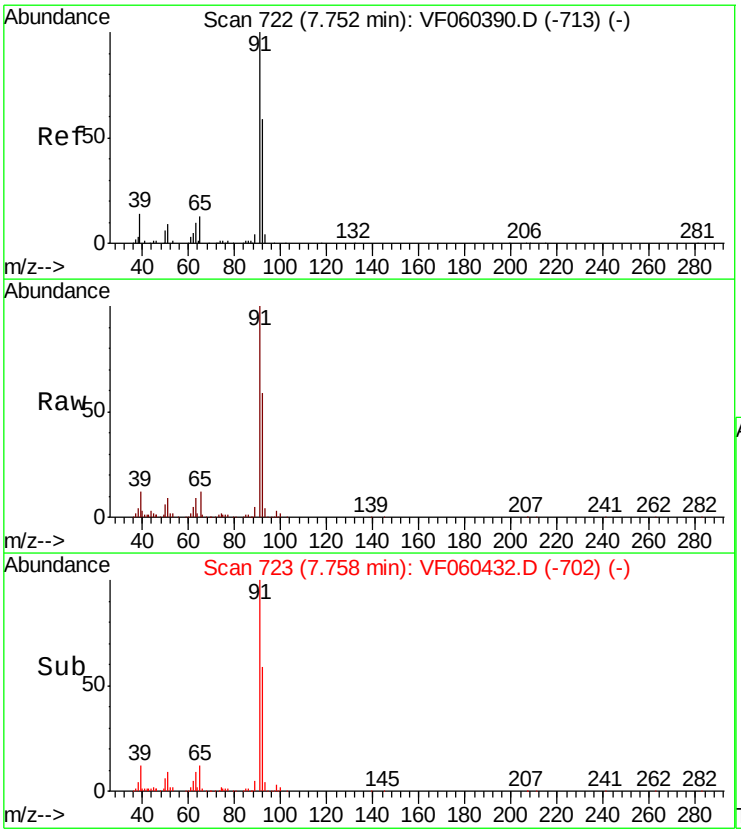
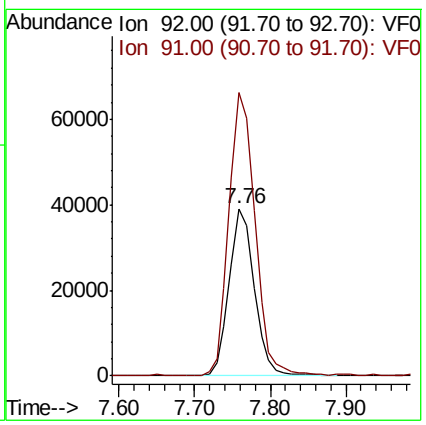
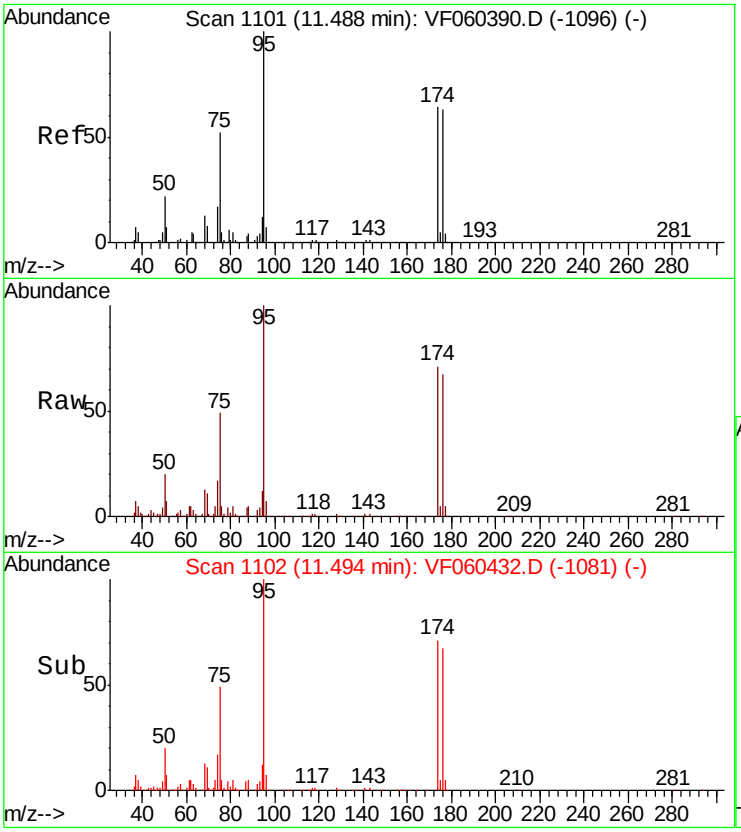


#52
Toluene
Concen: 12.405 ug/l
RT: 7.76 min Scan# 723
Delta R.T. 0.01 min
Lab File: VF060432.D
Acq: 3 Oct 2018 23:19

Tgt Ion: 92 Resp: 90550

Ion	Ratio	Lower	Upper
92	100		
91	169.5	135.4	203.0

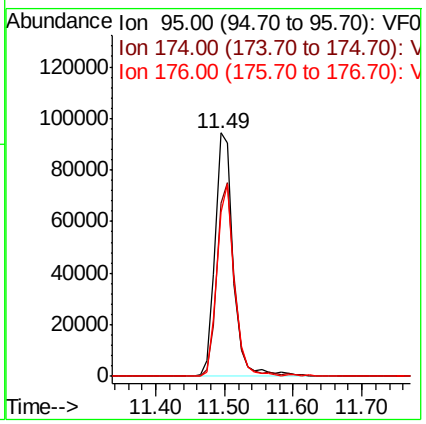




#62
4-Bromofluorobenzene
Concen: 37.470 ug/l
RT: 11.49 min Scan# 1102
Delta R.T. 0.01 min
Lab File: VF060432.D
Acq: 3 Oct 2018 23:19

Tgt Ion: 95 Resp: 173794

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	129.0
176	67.3	0.0	125.6



Instrument :
MSVOA_F
ClientSampleId :
CL-01-100218-C

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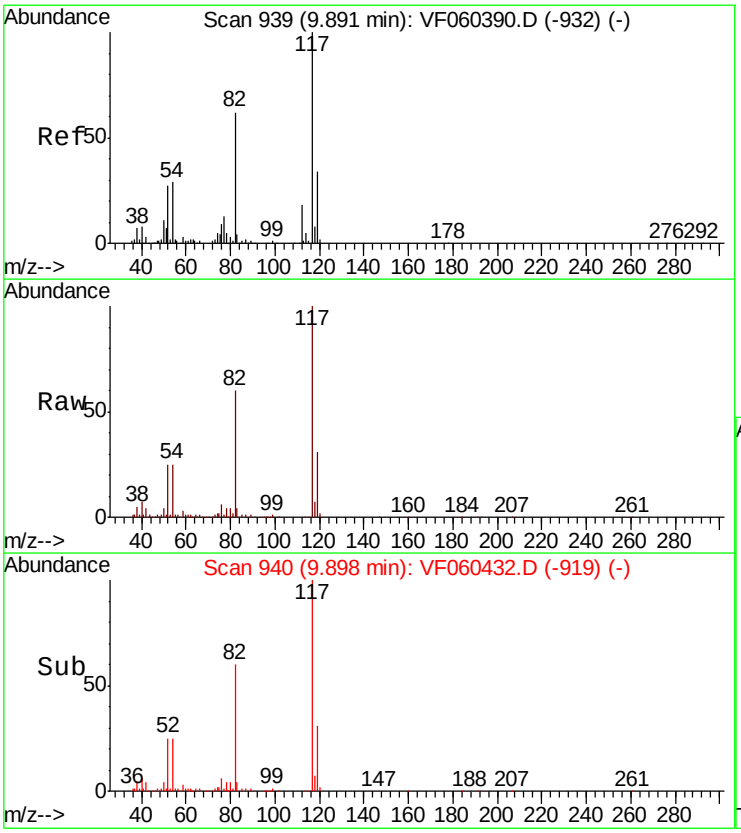
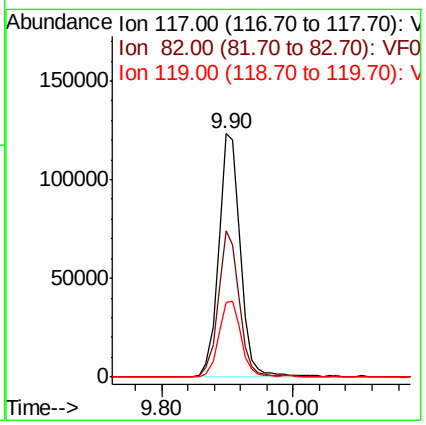
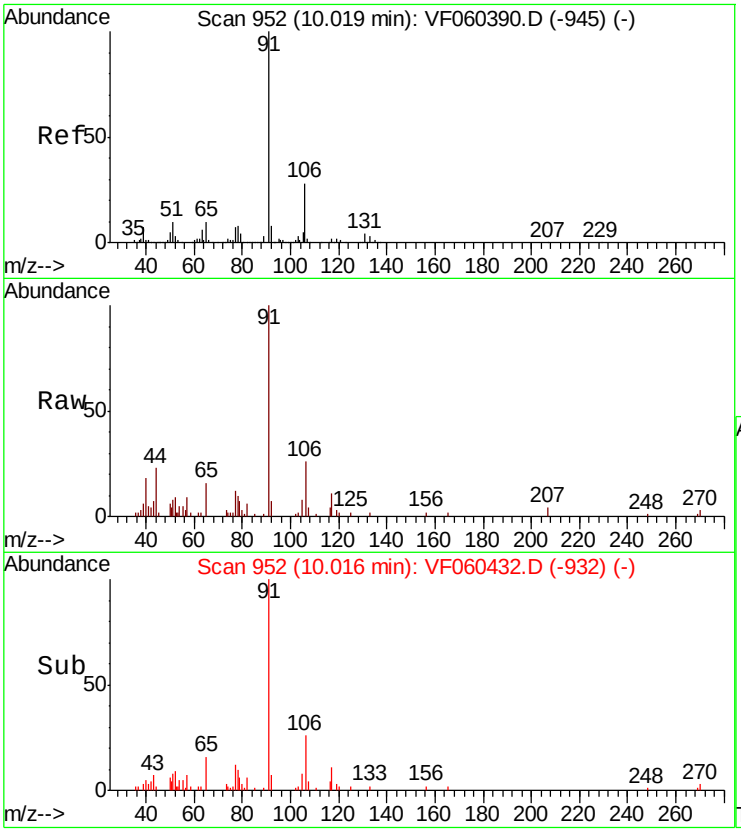


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060432.D
Acq: 3 Oct 2018 23:19

Tgt Ion:117 Resp: 283751

Ion	Ratio	Lower	Upper
117	100		
82	60.0	49.5	74.3
119	30.6	27.0	40.6





#67
Ethyl Benzene
Concen: 1.574 ug/l
RT: 10.02 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF060432.D
Acq: 3 Oct 2018 23:19

Tgt Ion: 91 Resp: 17449

Ion	Ratio	Lower	Upper
91	100		
106	25.6	22.5	33.7

Instrument :
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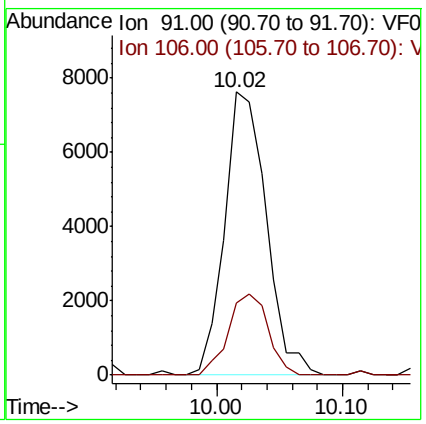
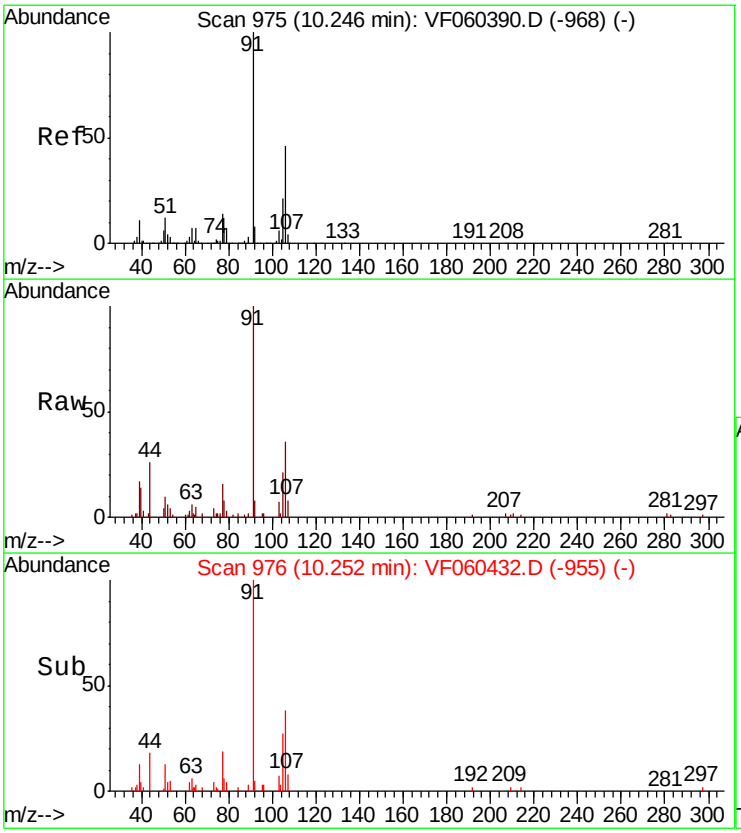
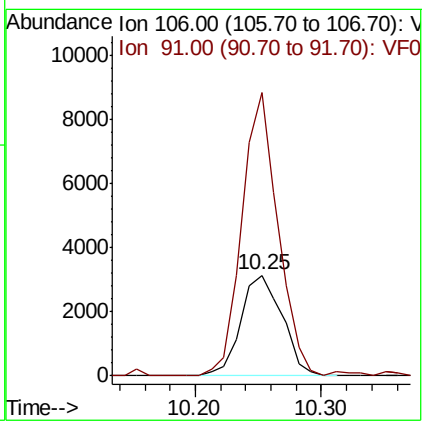


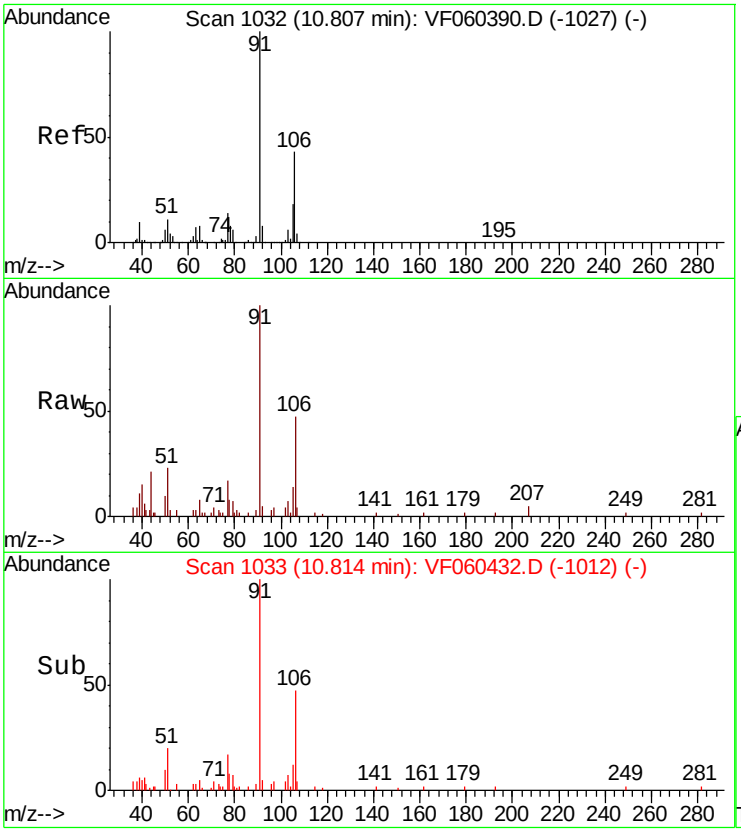


#68
m/p-Xylenes
Concen: 1.877 ug/l
RT: 10.25 min Scan# 976
Delta R.T. 0.01 min
Lab File: VF060432.D
Acq: 3 Oct 2018 23:19

Tgt Ion:106 Resp: 7152

Ion	Ratio	Lower	Upper
106	100		
91	280.4	175.0	262.6#





#69
o-Xylene
Concen: 1.570 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060432.D
Acq: 3 Oct 2018 23:19

Tgt Ion:106 Resp: 6522

Ion	Ratio	Lower	Upper
106	100		
91	215.0	115.1	345.2

Instrument :
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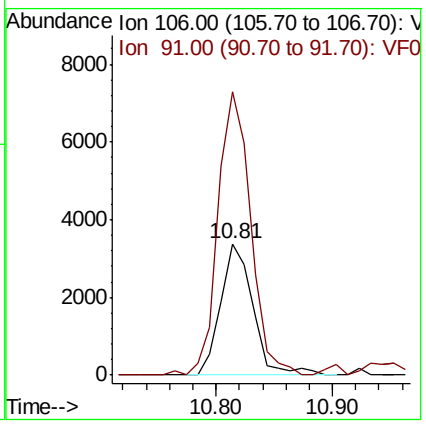
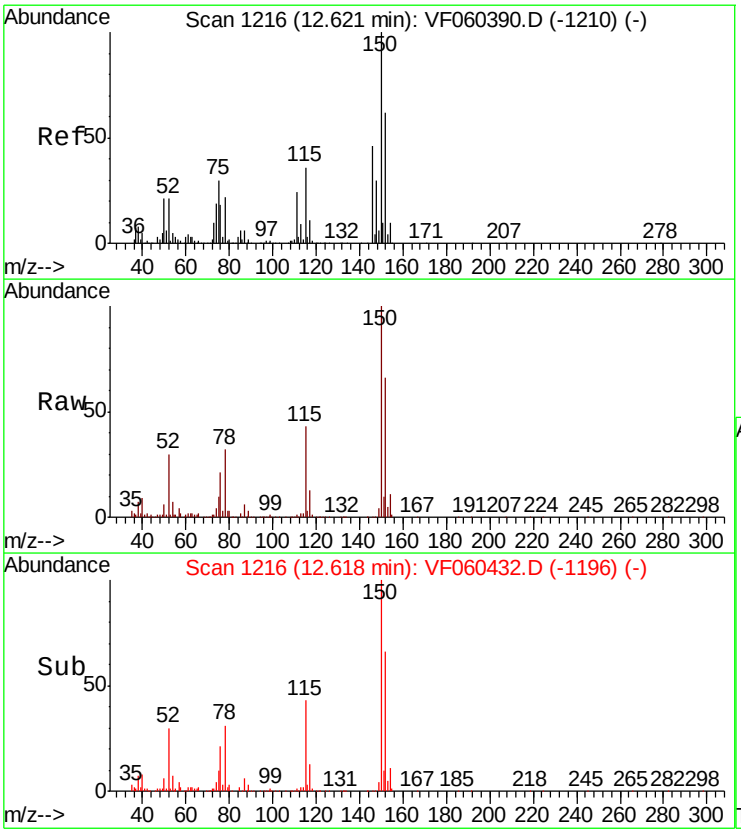
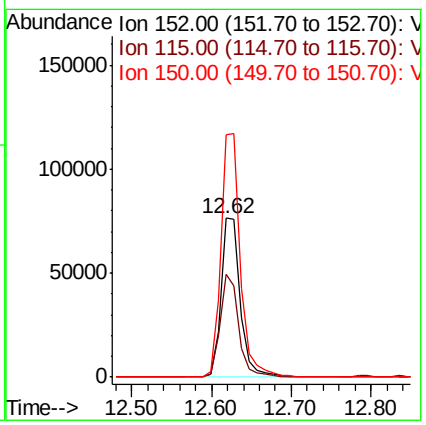


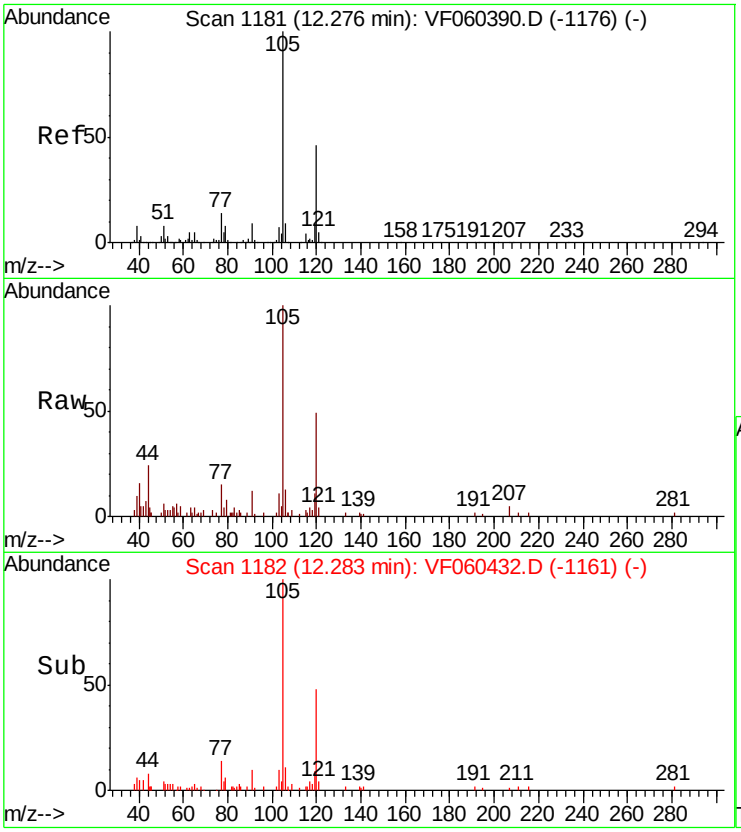


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060432.D
Acq: 3 Oct 2018 23:19

Tgt Ion:152 Resp: 130605

Ion	Ratio	Lower	Upper
152	100		
115	64.7	28.6	85.8
150	152.3	0.0	324.6





#84
1,2,4-Trimethylbenzene
Concen: 1.664 ug/l
RT: 12.28 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VF060432.D
Acq: 3 Oct 2018 23:19

Tgt Ion:105 Resp: 14422

Ion	Ratio	Lower	Upper
105	100		
120	48.8	23.1	69.2

Instrument :
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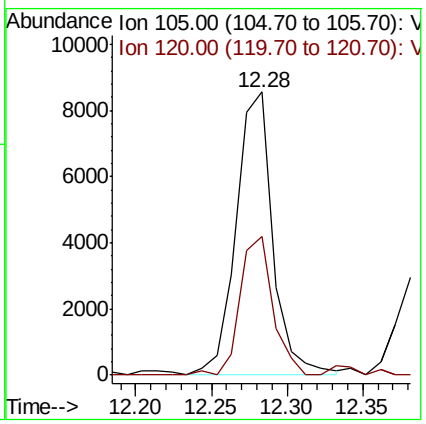

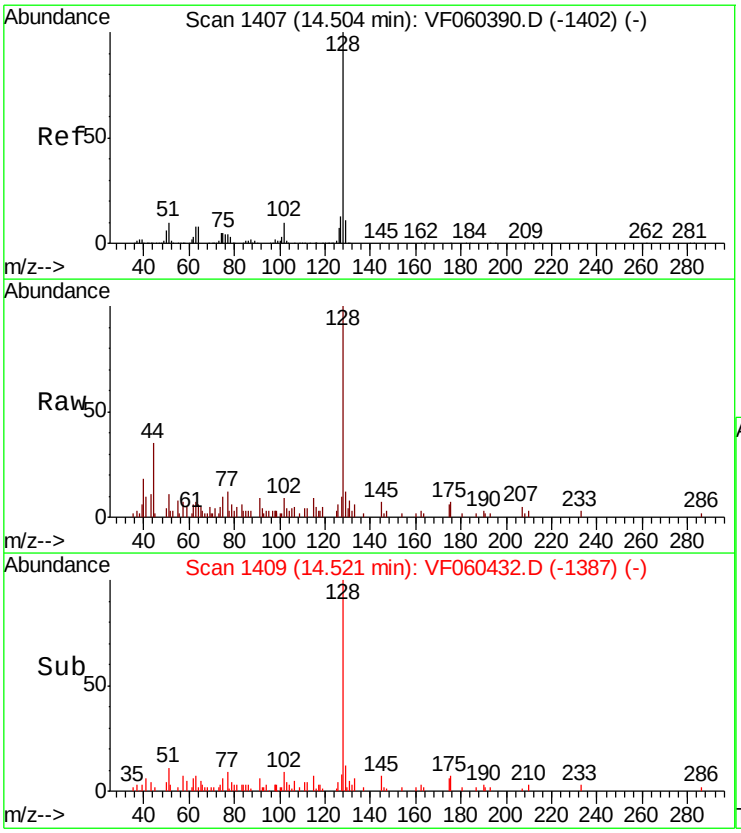

#95
Naphthalene
Concen: 1.863 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.02 min
Lab File: VF060432.D
Acq: 3 Oct 2018 23:19

Tgt Ion:128 Resp: 10316

Ion	Ratio	Lower	Upper
128	100		
127	10.3	10.0	15.0
129	11.8	8.7	13.1