Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031519\
Data File : VF061969.D
Acq On : 15 Mar 2019 19:05
Operator : VA/AP
Sample : K1928-12
Misc : 6.68g/5mL/MSVOA-F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SI-2(5.5-6)

Manual Integrations APPROVED
MMDadoda
3/17/2019 5:22:15 AM

Quant Time: Mar 16 00:38:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	244977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	389662	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	329051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	189208	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	93347	52.32	ug/l	0.00
Spiked Amount 50.000			Recovery = 104.64%			
35) Dibromofluoromethane	4.13	113	123528	45.43	ug/l	0.00
Spiked Amount 50.000			Recovery = 90.86%			
50) Toluene-d8	7.57	98	332714	41.16	ug/l	0.00
Spiked Amount 50.000			Recovery = 82.32%			
62) 4-Bromofluorobenzene	11.42	95	139847	44.17	ug/l	0.00
Spiked Amount 50.000			Recovery = 88.34%			
Target Compounds						Qvalue
20) Methylene Chloride	2.27	84	18215m	3.921	ug/l	
52) Toluene	7.64	92	22586	3.968	ug/l	99
67) Ethyl Benzene	9.92	91	15364	1.466	ug/l #	89
68) m/p-Xylenes	10.14	106	16613	4.139	ug/l	77
69) o-Xylene	10.72	106	6757	1.563	ug/l	78
84) 1,2,4-Trimethylbenzene	12.21	105	25349	2.473	ug/l	98
95) Naphthalene	14.47	128	11025	1.566	ug/l #	93

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

Quantitation Report (QT Reviewed)

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Instrument :
MSVOA_F
ClientSampleId :
SI-2(5.5-6)

Manual Integrations APPROVED
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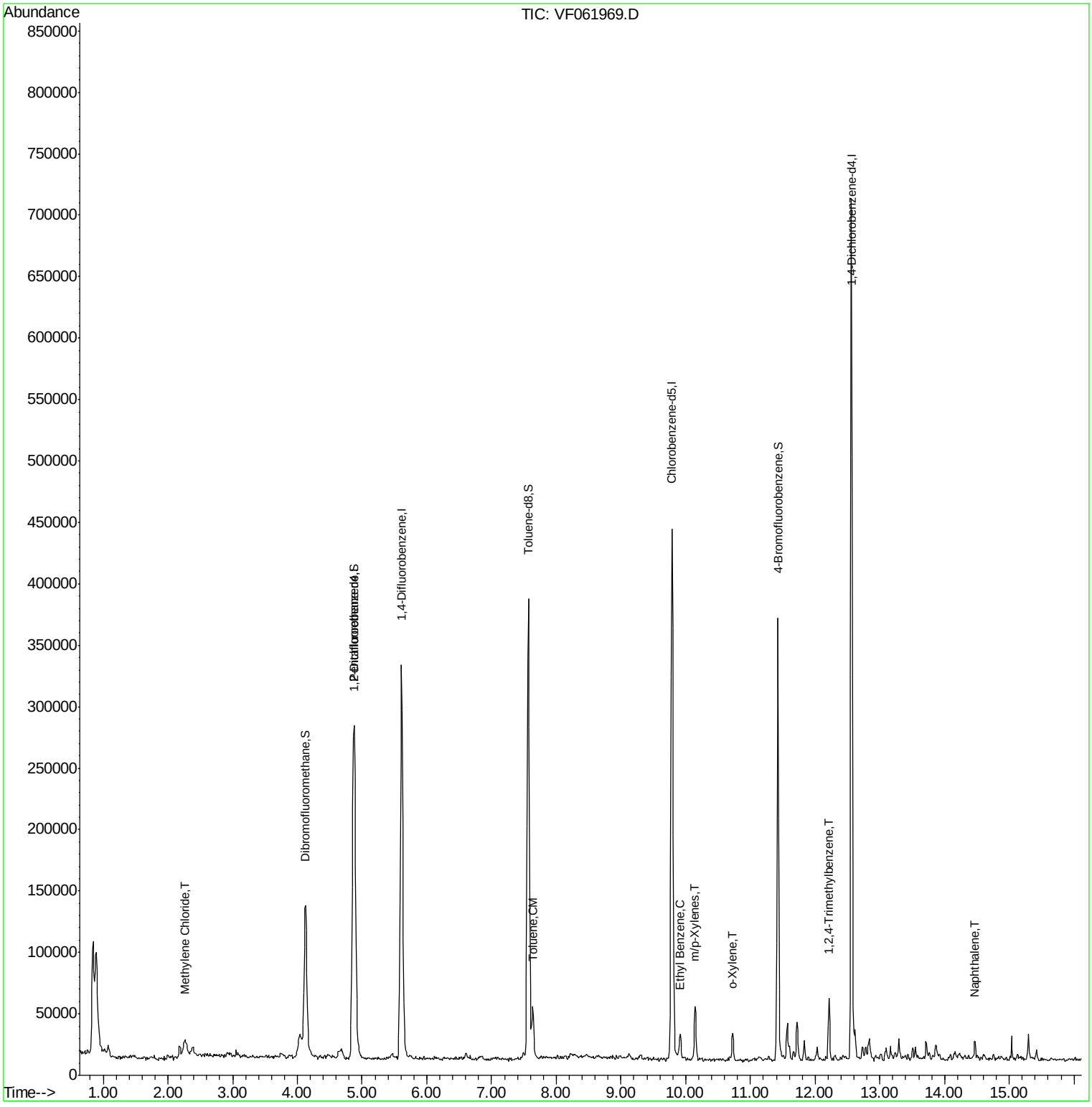
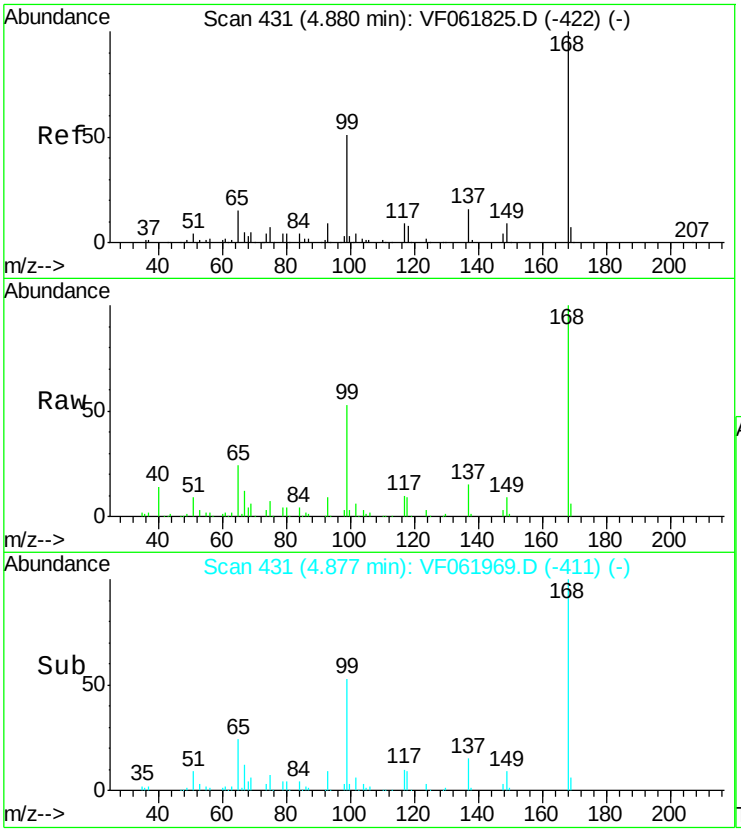
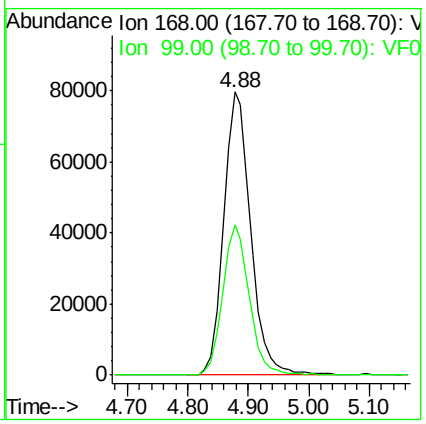




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.88 min Scan# 431
Delta R.T. -0.00 min
Lab File: VF061969.D
Acq: 15 Mar 2019 19:05

Tgt Ion:168 Resp: 244977

Ion	Ratio	Lower	Upper
168	100		
99	53.1	40.8	61.2



Instrument :
MSVOA_F
ClientSampleId :
SI-2(5.5-6)

Manual Integrations APPROVED
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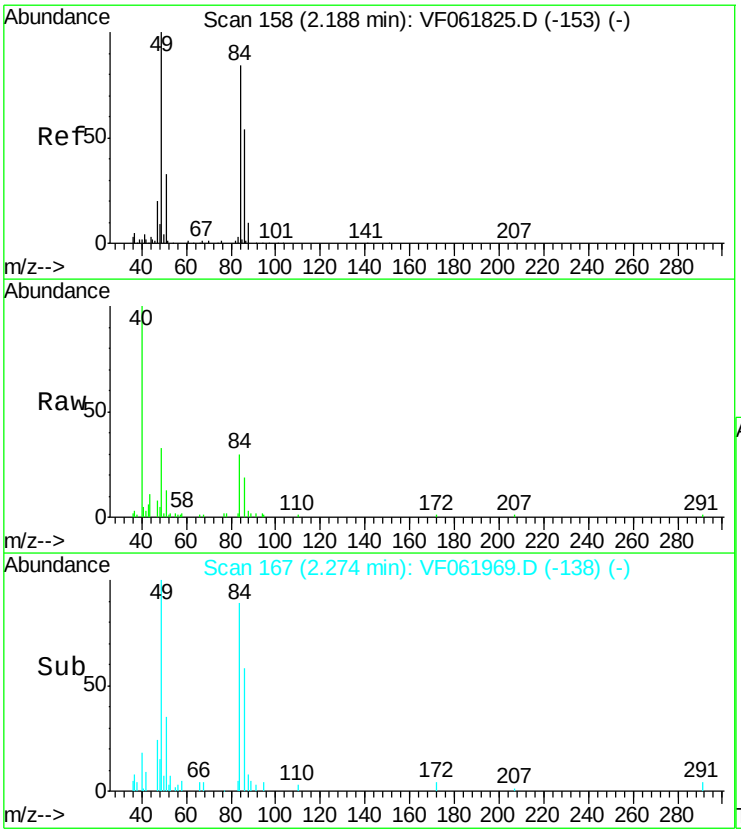
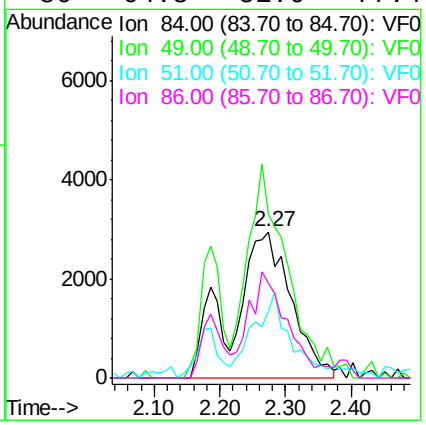
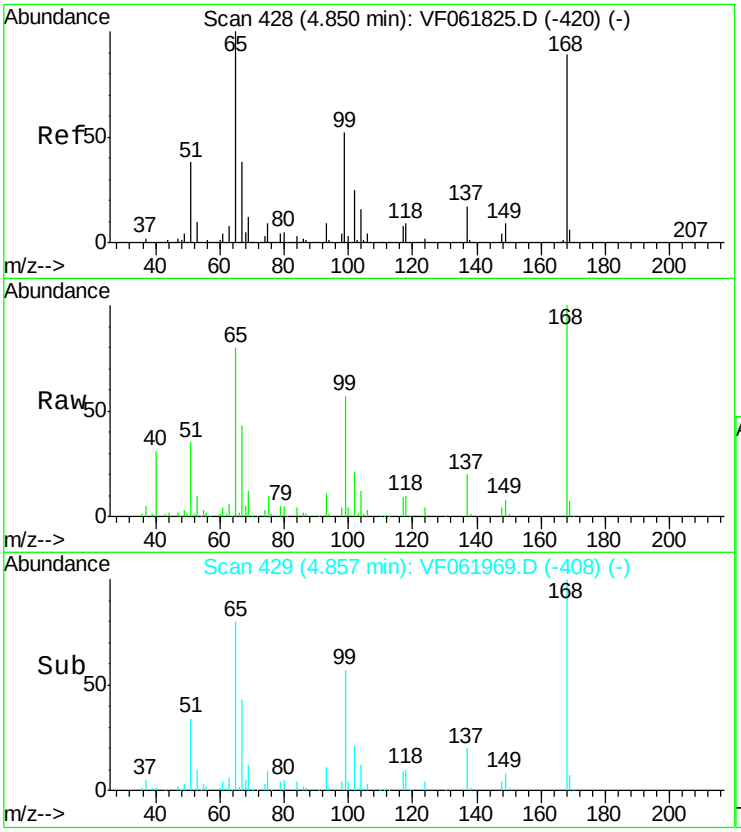


#20
Methylene Chloride
Concen: 3.921 ug/l m
RT: 2.27 min Scan# 167
Delta R.T. 0.09 min
Lab File: VF061969.D
Acq: 15 Mar 2019 19:05

Tgt Ion: 84 Resp: 18215

Ion	Ratio	Lower	Upper
84	100		
49	112.5	96.8	145.2
51	45.2	31.8	47.6
86	64.8	51.6	77.4

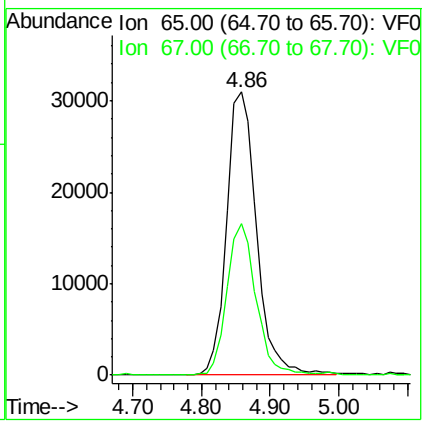




#33
1,2-Dichloroethane-d4
Concen: 52.324 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.01 min
Lab File: VF061969.D
Acq: 15 Mar 2019 19:05

Tgt Ion: 65 Resp: 93347

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.6



Instrument :
MSVOA_F
ClientSampleId :
SI-2(5.5-6)

Manual Integrations APPROVED
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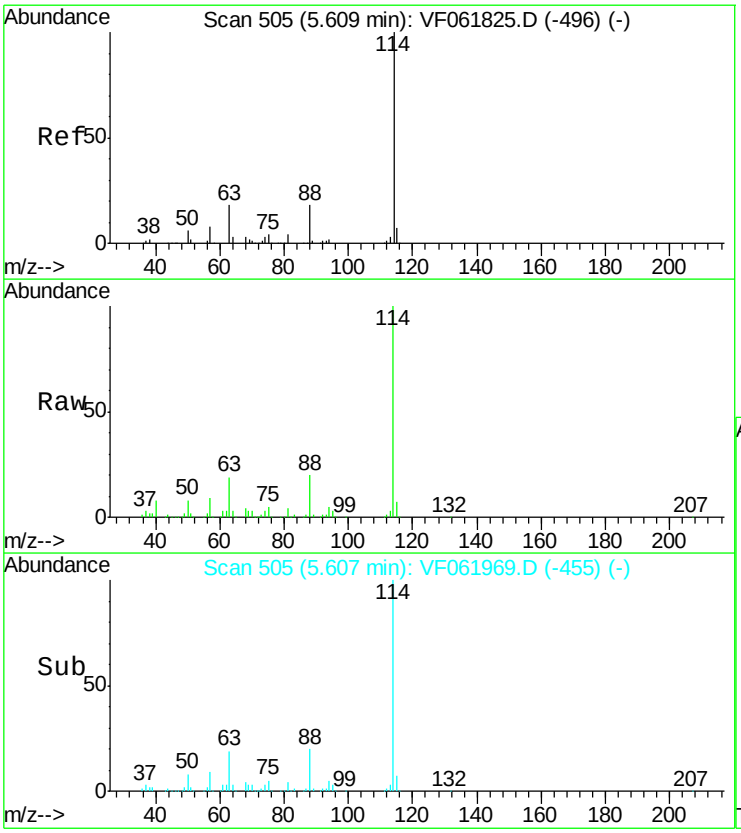
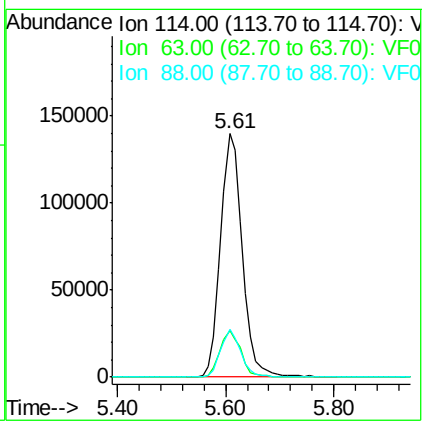
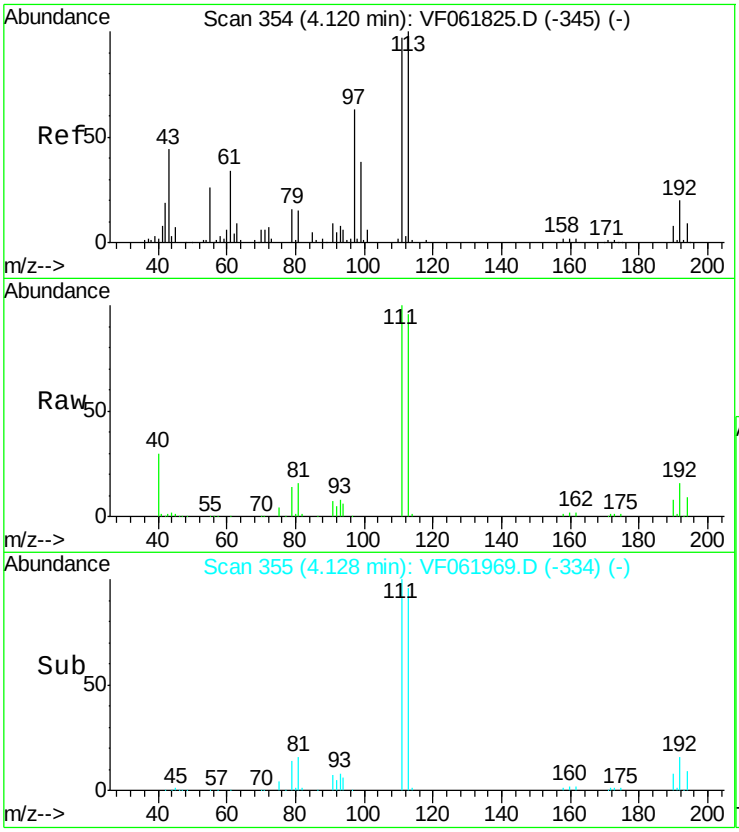


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.00 min
Lab File: VF061969.D
Acq: 15 Mar 2019 19:05

Tgt Ion:114 Resp: 389662

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	35.6
88	19.7	0.0	35.6

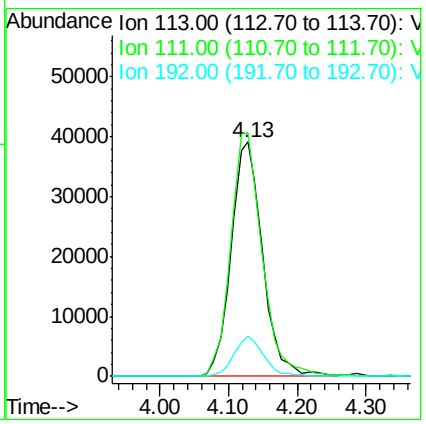




#35
Dibromofluoromethane
Concen: 45.426 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF061969.D
Acq: 15 Mar 2019 19:05

Tgt Ion:113 Resp: 123528

Ion	Ratio	Lower	Upper
113	100		
111	103.9	77.6	116.4
192	17.3	15.9	23.9



Instrument :
MSVOA_F
ClientSampleId :
SI-2(5.5-6)

Manual Integrations APPROVED
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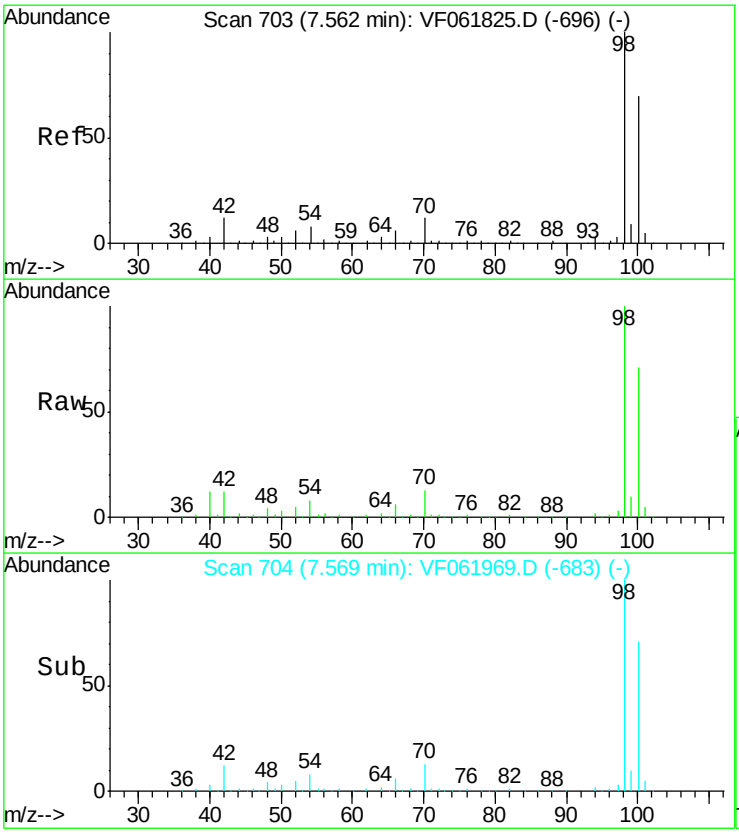
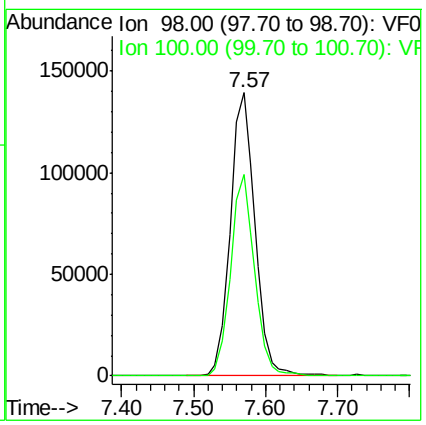
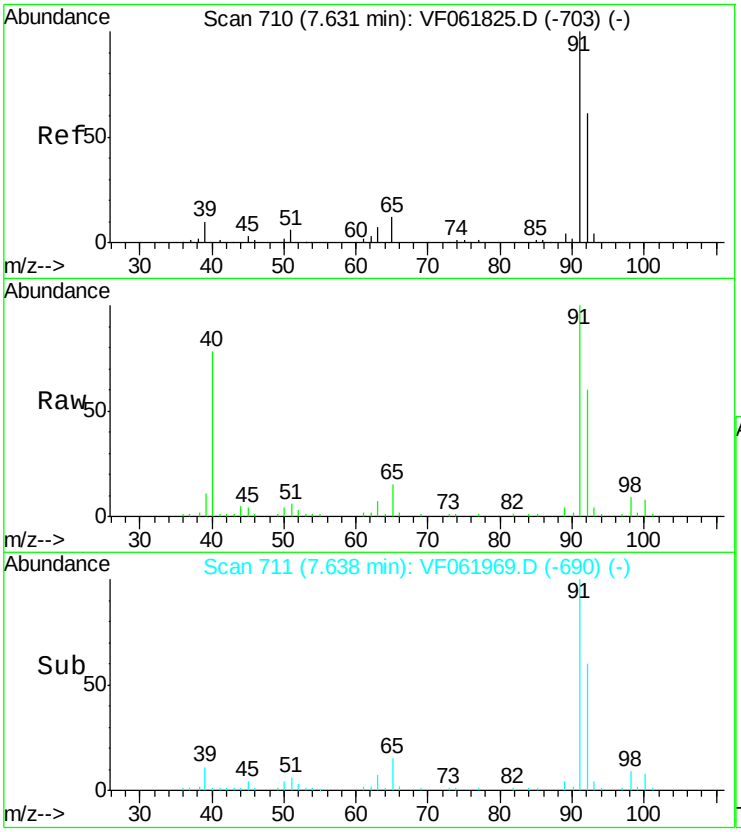


#50
Toluene-d8
Concen: 41.164 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF061969.D
Acq: 15 Mar 2019 19:05

Tgt Ion: 98 Resp: 332714

Ion	Ratio	Lower	Upper
98	100		
100	71.3	56.0	84.0





#52
Toluene
Concen: 3.968 ug/l
RT: 7.64 min Scan# 711
Delta R.T. 0.01 min
Lab File: VF061969.D
Acq: 15 Mar 2019 19:05

Tgt Ion: 92 Resp: 22586

Ion	Ratio	Lower	Upper
92	100		
91	166.5	132.0	198.0

Instrument :
MSVOA_F
ClientSampleId :
SI-2(5.5-6)

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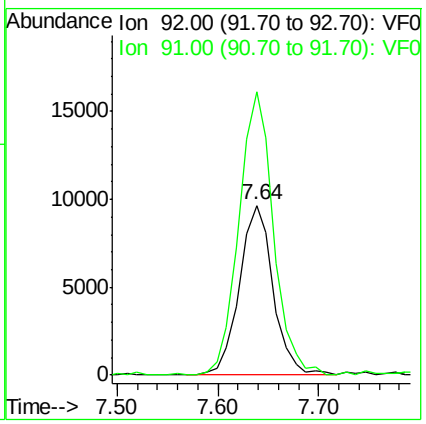
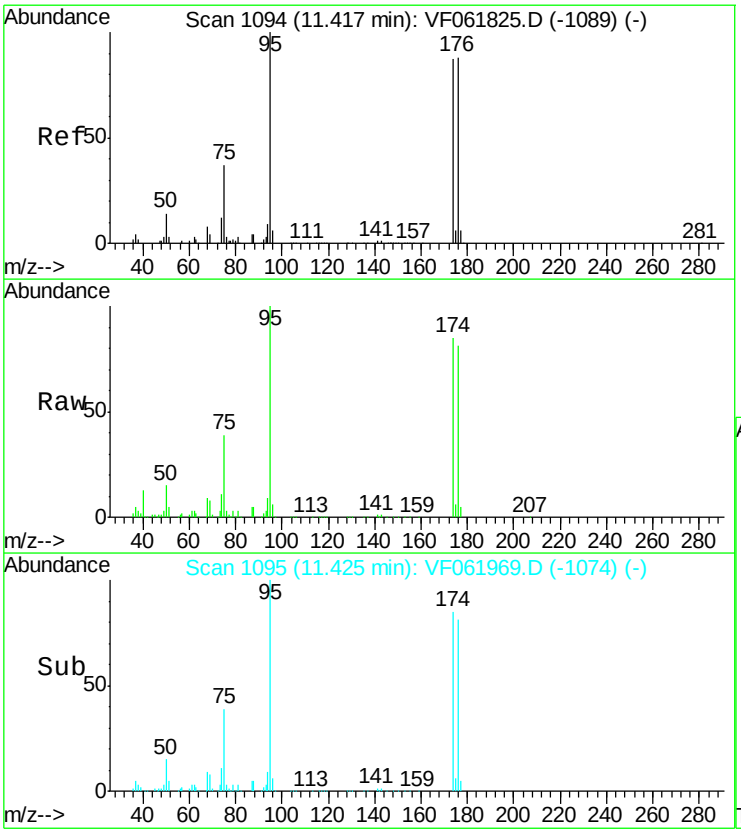
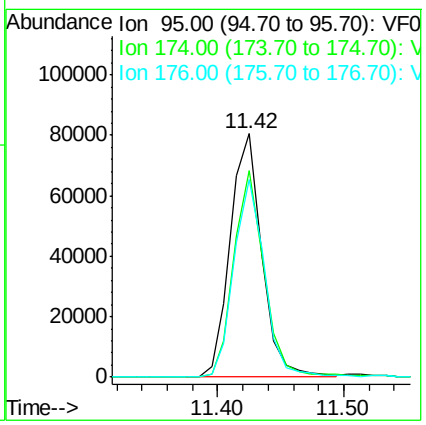


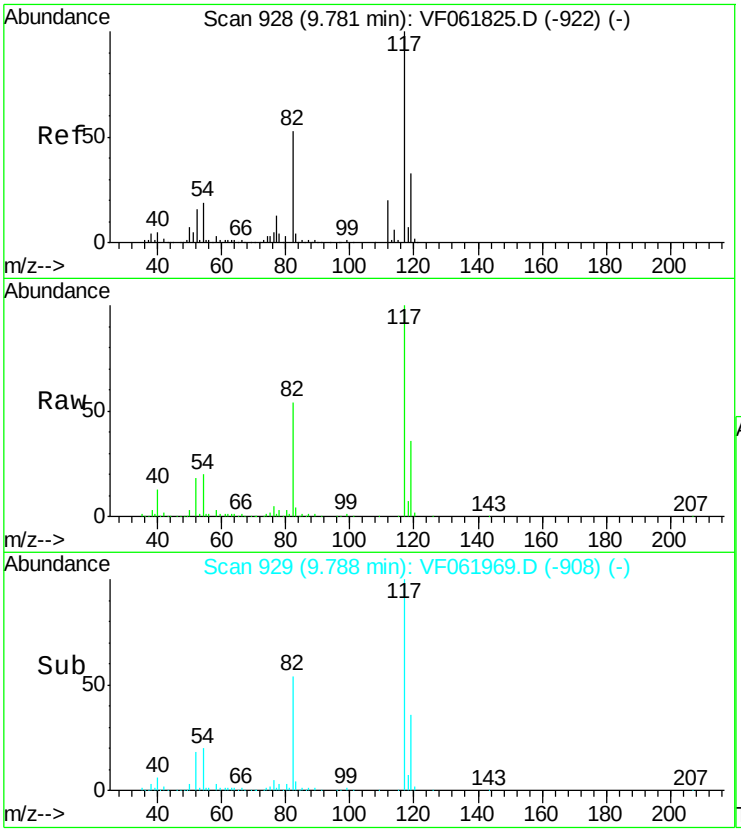


#62
4-Bromofluorobenzene
Concen: 44.169 ug/l
RT: 11.42 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VF061969.D
Acq: 15 Mar 2019 19:05

Tgt Ion: 95 Resp: 139847

Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	174.0
176	81.3	0.0	175.2

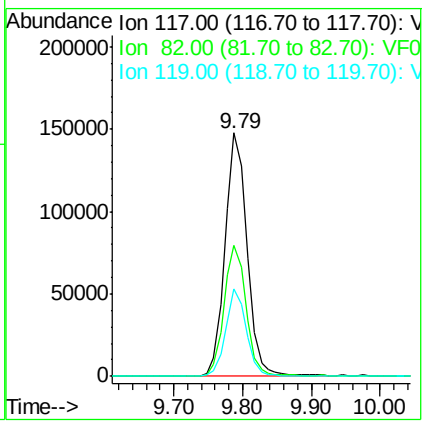




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061969.D
Acq: 15 Mar 2019 19:05

Tgt Ion:117 Resp: 329051

Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.6	63.8
119	35.7	26.0	39.0



Instrument :
MSVOA_F
ClientSampleId :
SI-2(5.5-6)

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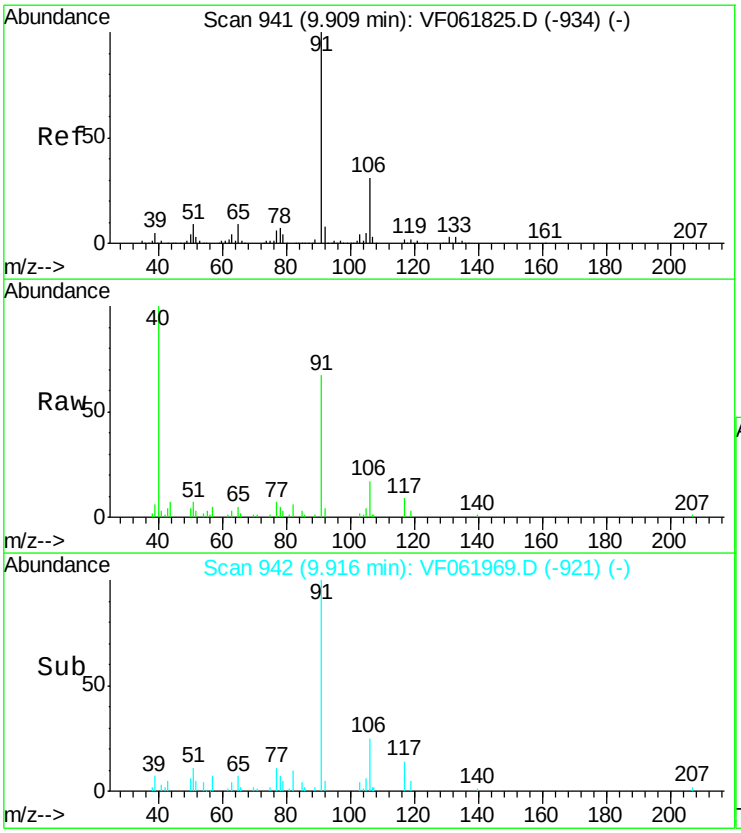
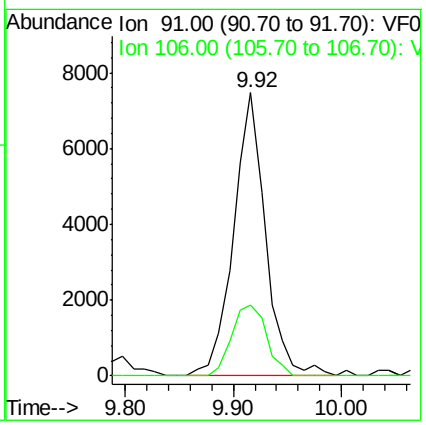
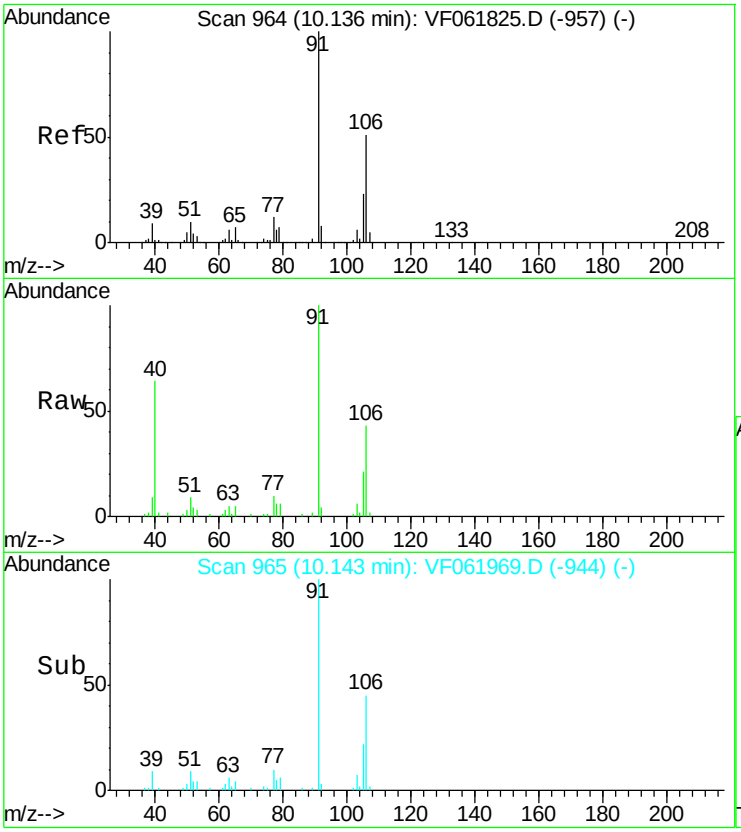


#67
Ethyl Benzene
Concen: 1.466 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.01 min
Lab File: VF061969.D
Acq: 15 Mar 2019 19:05

Tgt Ion: 91 Resp: 15364

Ion	Ratio	Lower	Upper
91	100		
106	25.0	25.0	37.4#

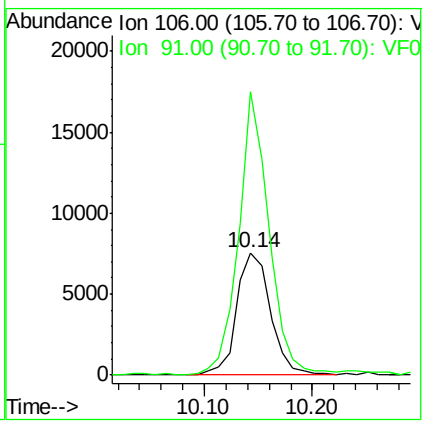




#68
m/p-Xylenes
Concen: 4.139 ug/l
RT: 10.14 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF061969.D
Acq: 15 Mar 2019 19:05

Tgt Ion:106 Resp: 16613

Ion	Ratio	Lower	Upper
106	100		
91	230.8	157.5	236.3



Instrument :
MSVOA_F
ClientSampleId :
SI-2(5.5-6)

Manual Integrations APPROVED
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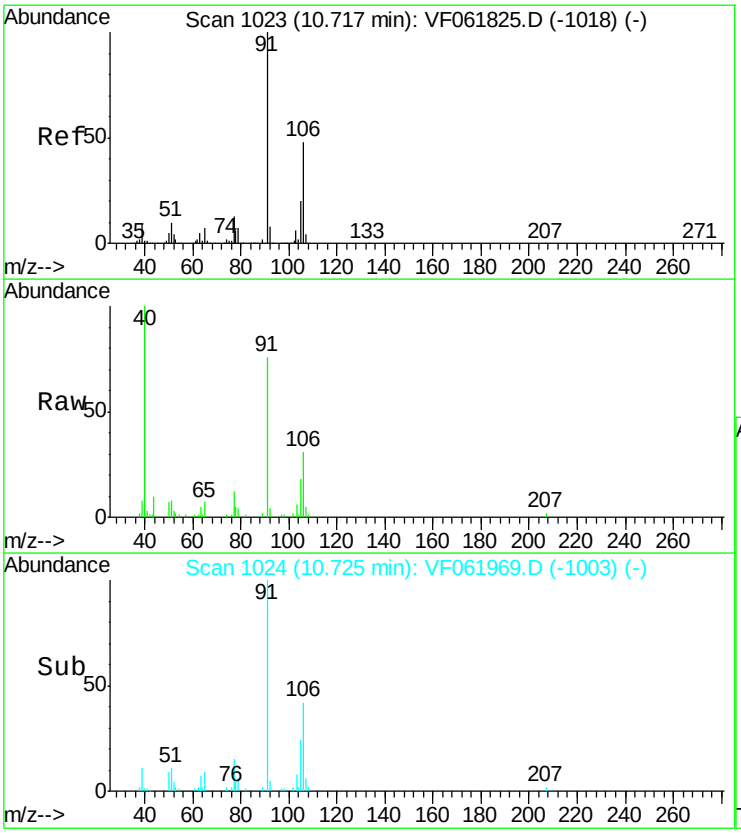
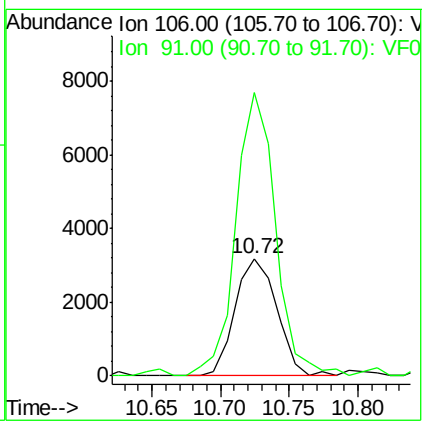
3/17/2019 5:22:15 AM

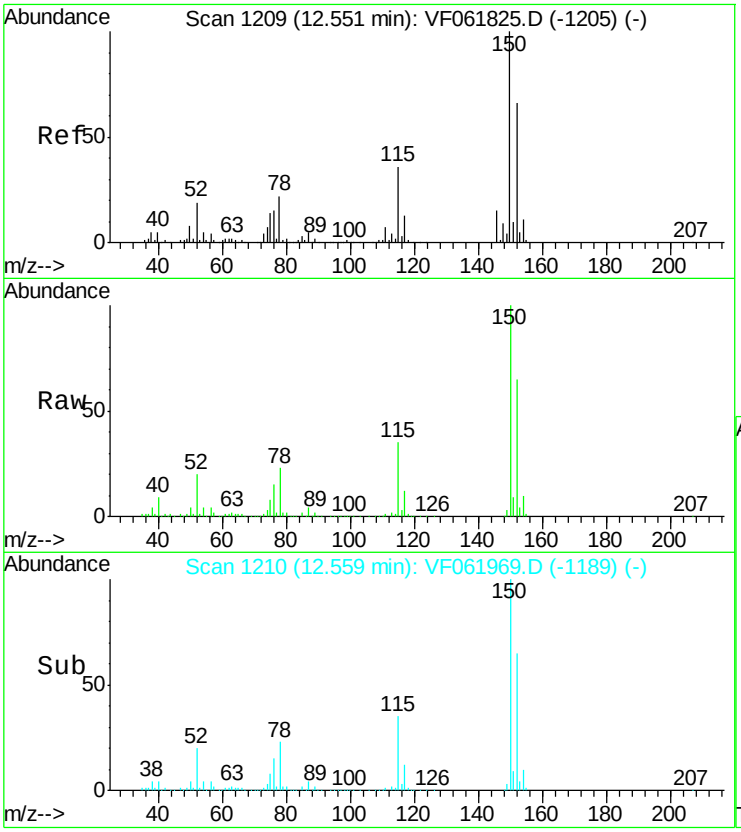


#69
o-Xylene
Concen: 1.563 ug/l
RT: 10.72 min Scan# 1024
Delta R.T. 0.01 min
Lab File: VF061969.D
Acq: 15 Mar 2019 19:05

Tgt Ion:106 Resp: 6757

Ion	Ratio	Lower	Upper
106	100		
91	240.9	103.5	310.3

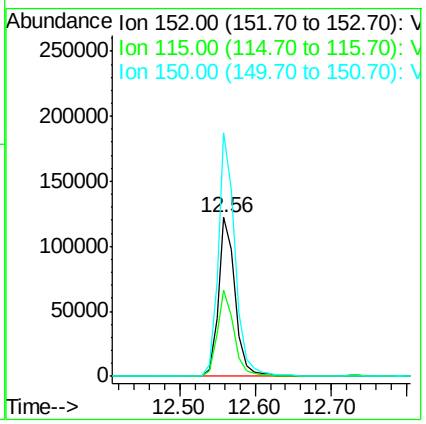




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF061969.D
Acq: 15 Mar 2019 19:05

Tgt Ion:152 Resp: 189208

Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.7	83.1
150	153.2	0.0	304.2



Instrument :
MSVOA_F
ClientSampleId :
SI-2(5.5-6)

Manual Integrations APPROVED
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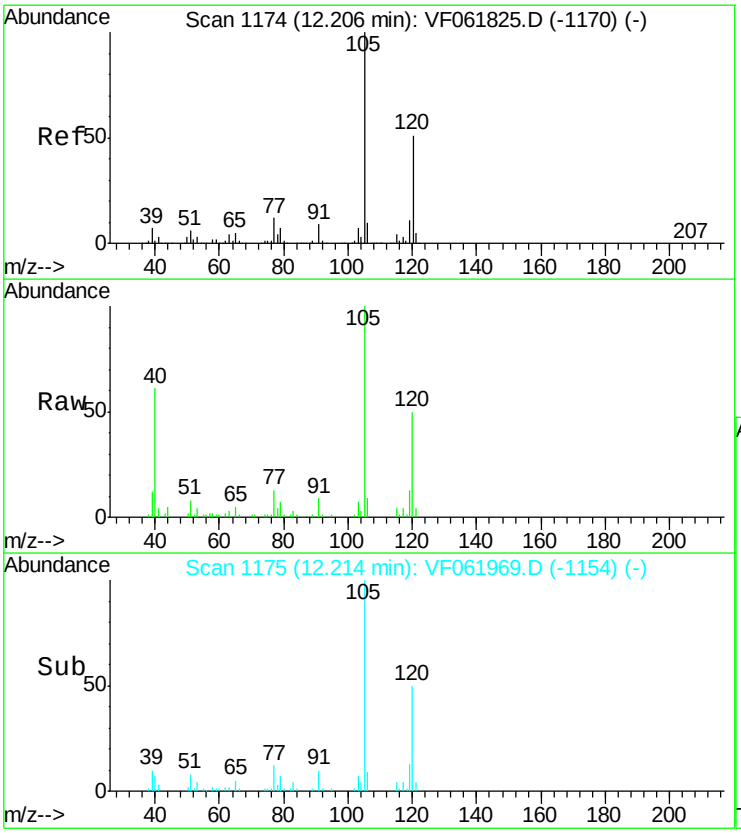
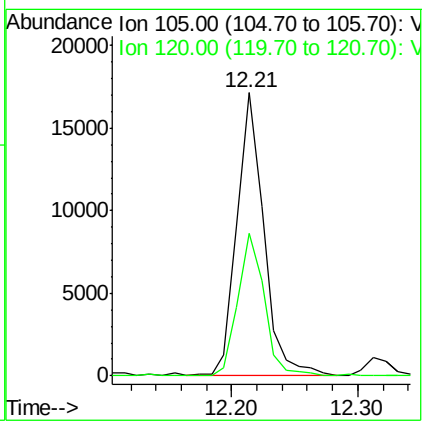
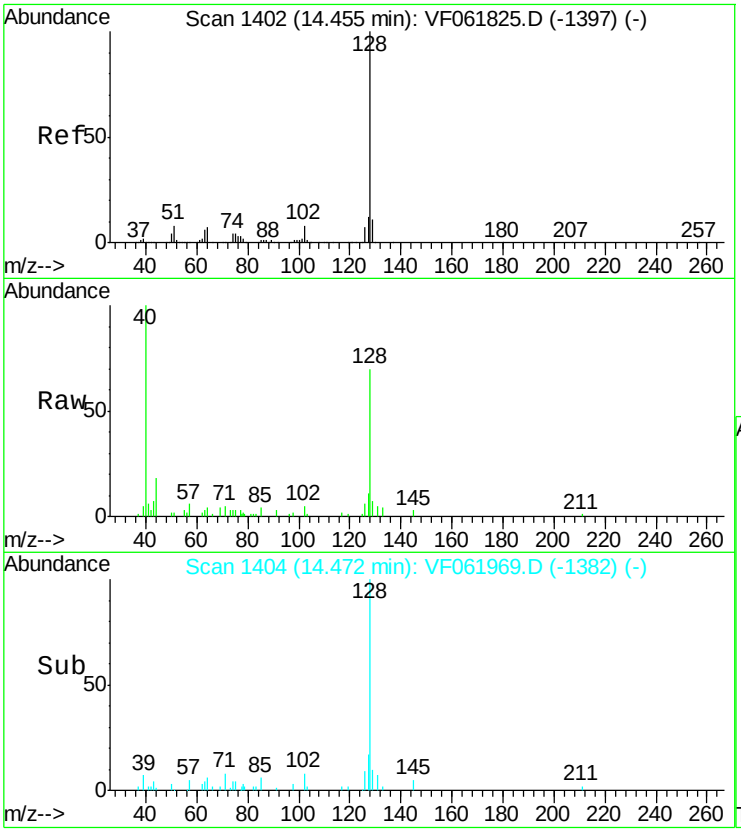


#84
1,2,4-Trimethylbenzene
Concen: 2.473 ug/l
RT: 12.21 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VF061969.D
Acq: 15 Mar 2019 19:05

Tgt Ion:105 Resp: 25349

Ion	Ratio	Lower	Upper
105	100		
120	50.3	25.8	77.4

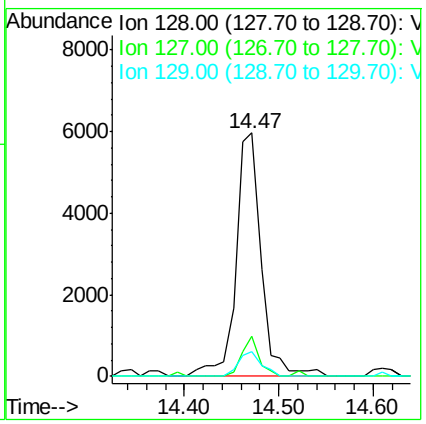




#95
Naphthalene
Concen: 1.566 ug/l
RT: 14.47 min Scan# 1404
Delta R.T. 0.02 min
Lab File: VF061969.D
Acq: 15 Mar 2019 19:05

Tgt Ion:128 Resp: 11025

Ion	Ratio	Lower	Upper
128	100		
127	16.2	9.3	13.9#
129	10.0	8.8	13.2



Instrument :
MSVOA_F
ClientSampleId :
SI-2(5.5-6)

Manual Integrations APPROVED
MMDadoda
3/17/2019 5:22:15 AM