

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031219\
 Data File : VF061914.D
 Acq On : 12 Mar 2019 19:33
 Operator : VA/AP
 Sample : K1866-07
 Misc : 7.07g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MR-MH-01-COMP

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 4:41:40 PM

Quant Time: Mar 13 02:34:47 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	4.86	168	300083	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	474493	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	409508	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	233935	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	112961	51.69	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.38%	
35) Dibromofluoromethane	4.10	113	160261	48.40	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	96.80%	
50) Toluene-d8	7.54	98	427552	43.44	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	86.88%	
62) 4-Bromofluorobenzene	11.40	95	193410	50.17	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.34%	
Target Compounds						
16) Acetone	2.24	43	12764	27.883	ug/l	91
20) Methylene Chloride	2.18	84	19950m	2.883	ug/l	
40) Benzene	4.62	78	15404	1.315	ug/l	94
52) Toluene	7.61	92	10126	1.461	ug/l	90

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

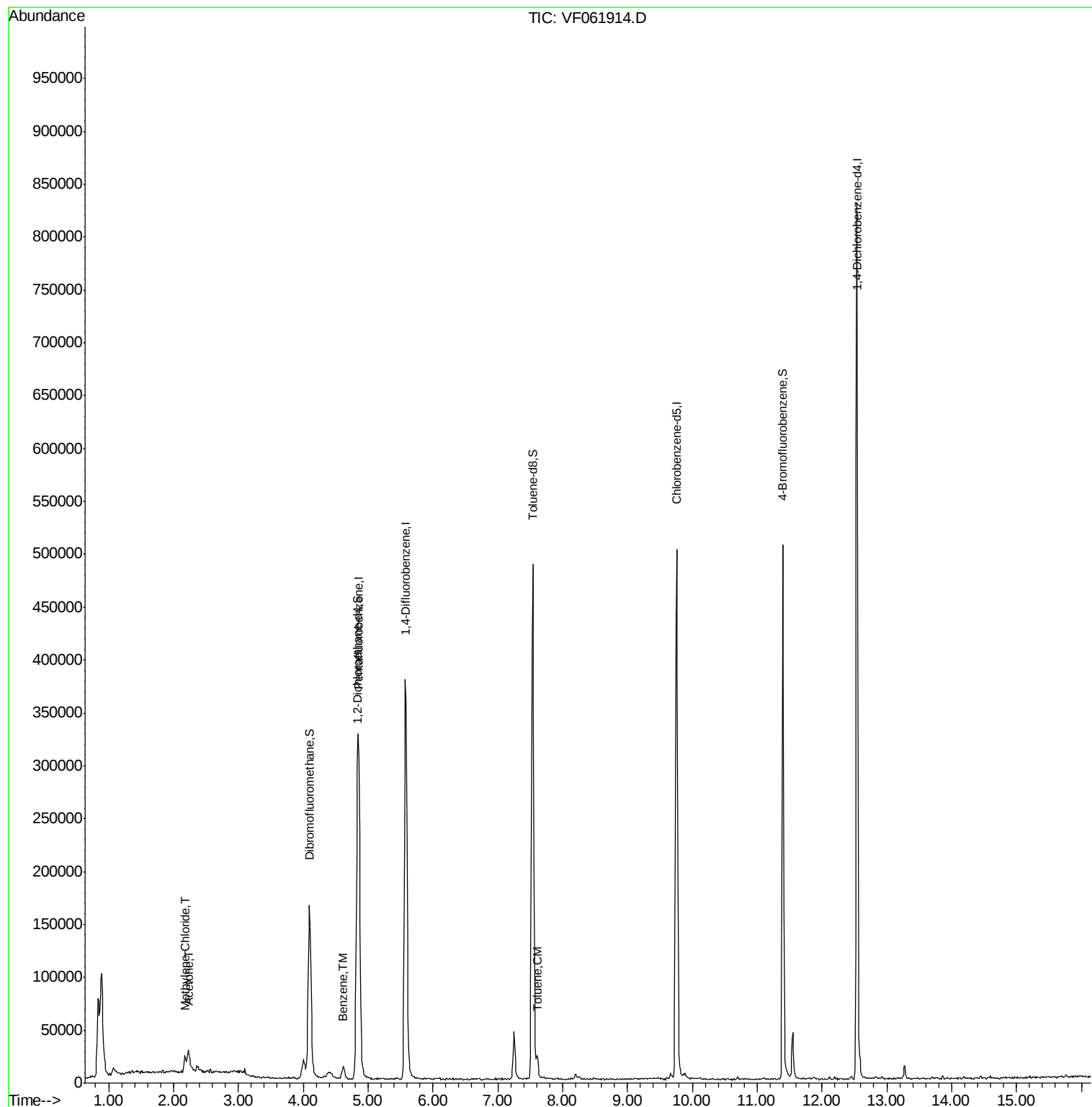
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF031219\
Data File : VF061914.D
Acq On : 12 Mar 2019 19:33
Operator : VA/AP
Sample : K1866-07
Misc : 7.07g/5mL/MSVOA-F/SOIL
ALS Vial : 12 Sample Multiplier: 1

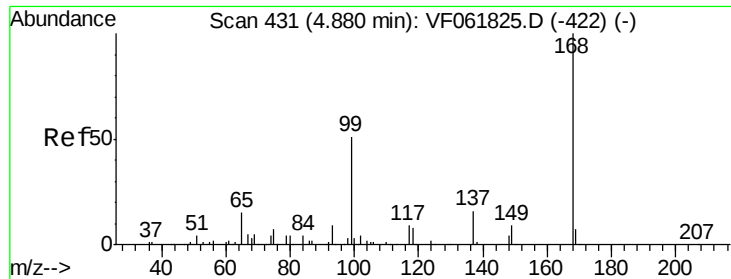
Instrument :
MSVOA_F
ClientSampleId :
MR-MH-01-COMP

Manual Integrations
APPROVED

MMDadoda
3/13/2019 4:41:40 PM

Quant Time: Mar 13 02:34:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061914.D

Acq: 12 Mar 2019 19:33

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-01-COMP

Tgt Ion:168 Resp: 300083

Ion Ratio Lower Upper

168 100

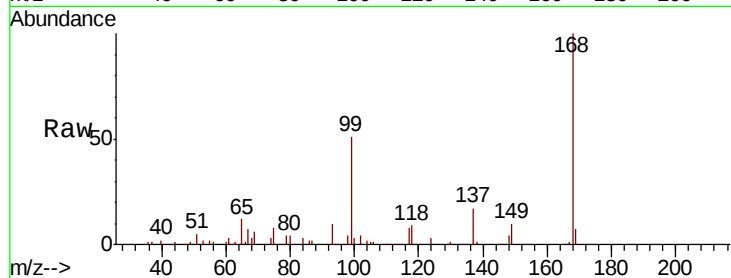
99 51.4 40.8 61.2

Manual Integrations

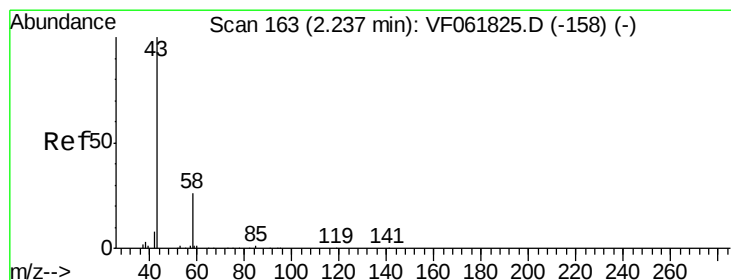
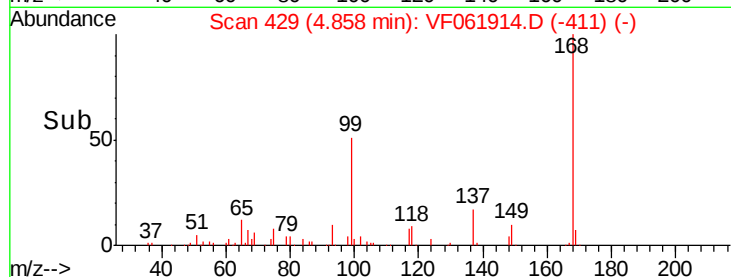
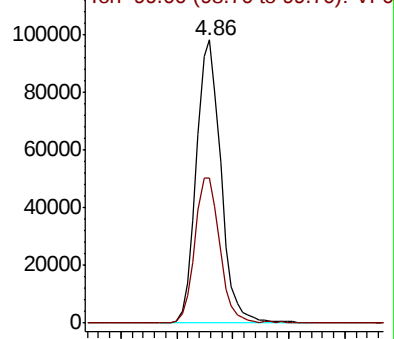
APPROVED

MMDadoda

3/13/2019 4:41:40 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0



#16

Acetone

Concen: 27.883 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061914.D

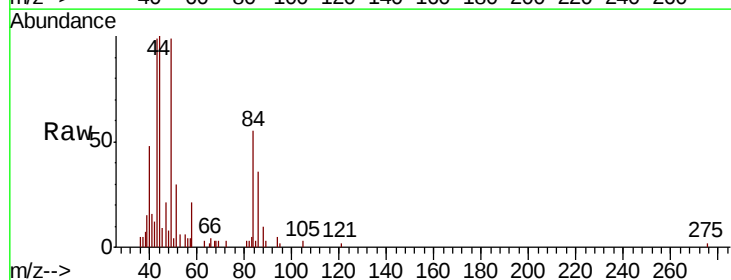
Acq: 12 Mar 2019 19:33

Tgt Ion: 43 Resp: 12764

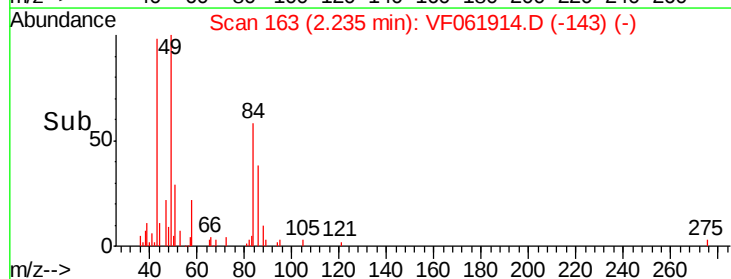
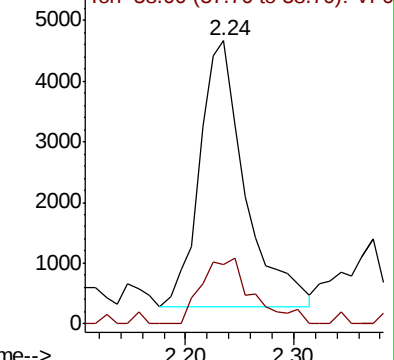
Ion Ratio Lower Upper

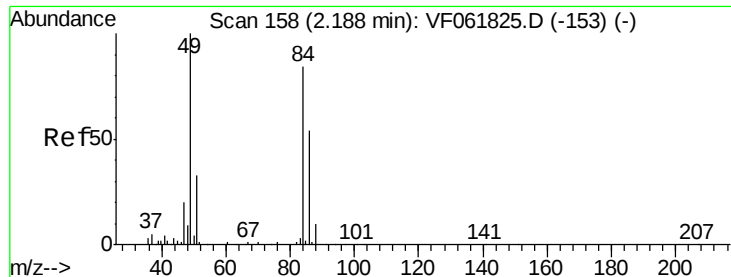
43 100

58 21.0 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0





#20

Methylene Chloride

Concen: 2.883 ug/l m

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061914.D

Acq: 12 Mar 2019 19:33

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-01-COMP

Tgt Ion: 84 Resp: 19950

Ion Ratio Lower Upper

84 100

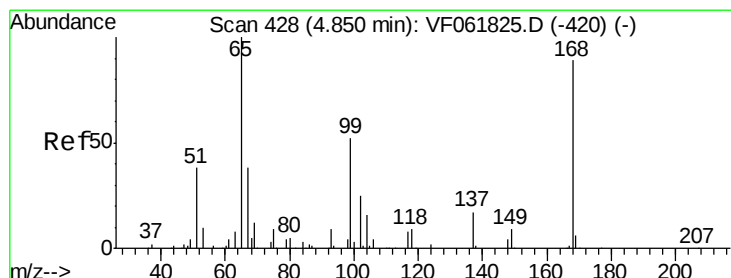
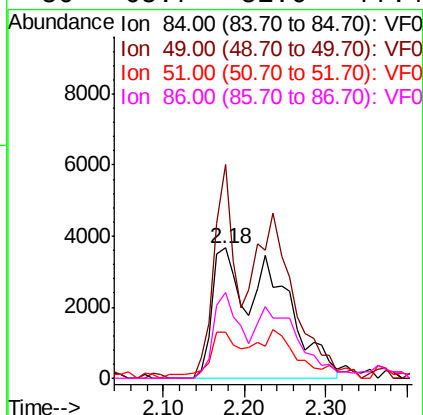
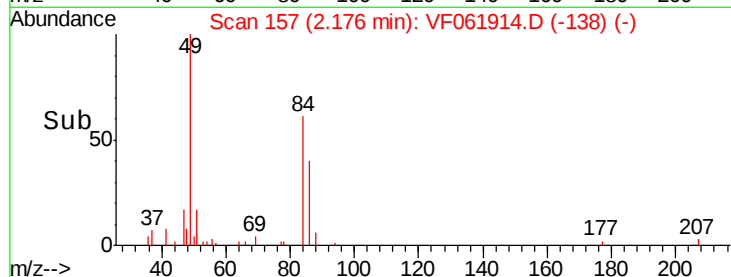
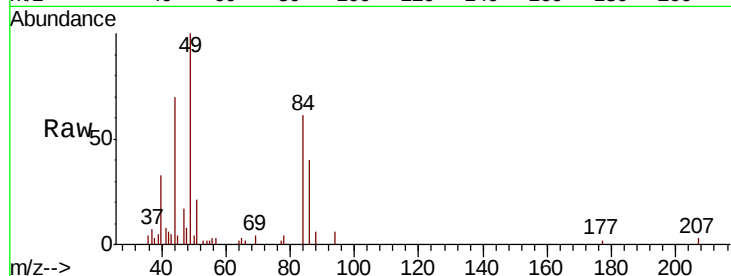
49 164.4 96.8 145.2#

51 35.1 31.8 47.6

86 65.7 51.6 77.4

Manual Integrations
APPROVED

MMDadoda
3/13/2019 4:41:40 PM



#33

1,2-Dichloroethane-d4

Concen: 51.690 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061914.D

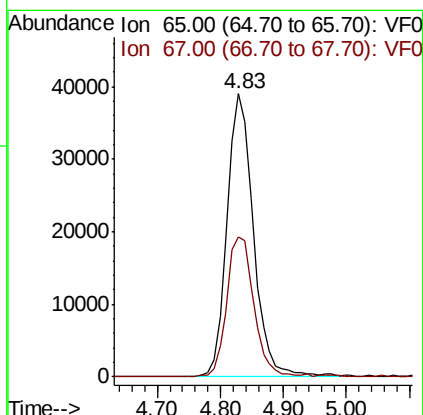
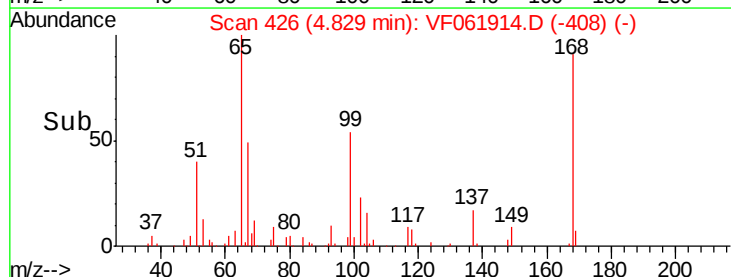
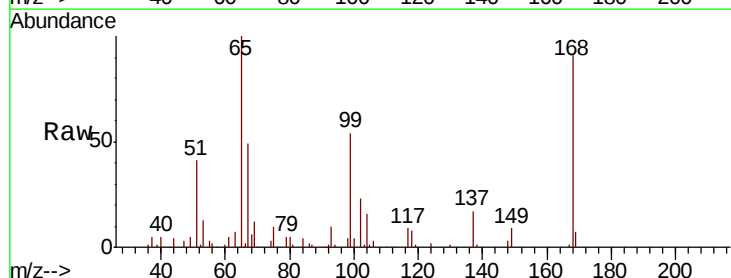
Acq: 12 Mar 2019 19:33

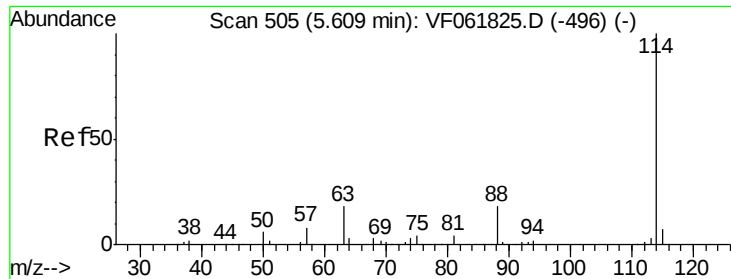
Tgt Ion: 65 Resp: 112961

Ion Ratio Lower Upper

65 100

67 49.4 0.0 108.6





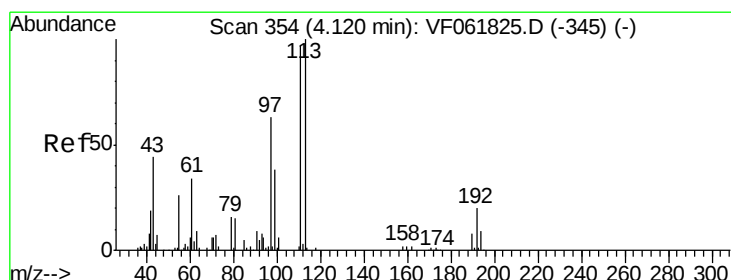
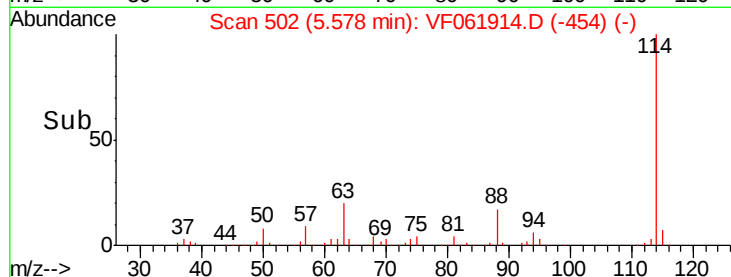
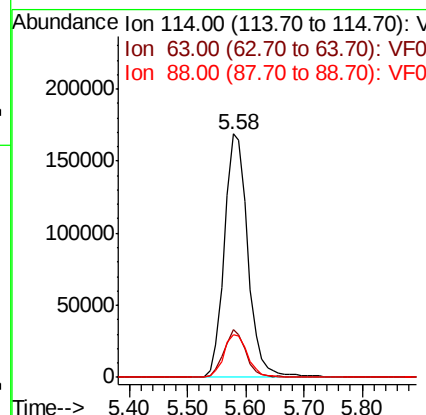
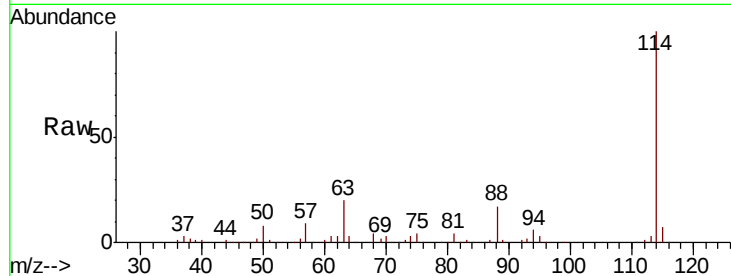
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.58 min Scan# 502
Delta R.T. -0.03 min
Lab File: VF061914.D
Acq: 12 Mar 2019 19:33

Instrument :
MSVOA_F
ClientSampleId :
MR-MH-01-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	474493		
63	19.6	0.0	35.6	
88	17.4	0.0	35.6	

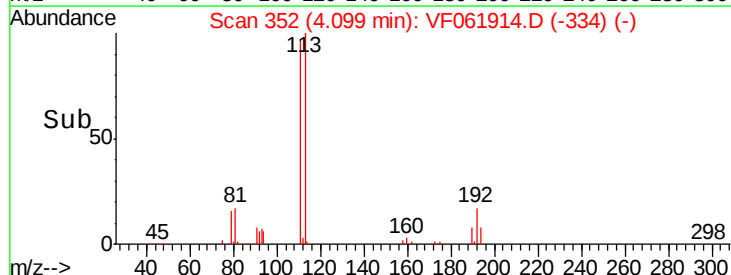
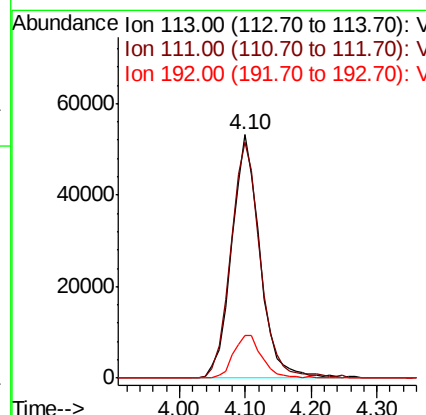
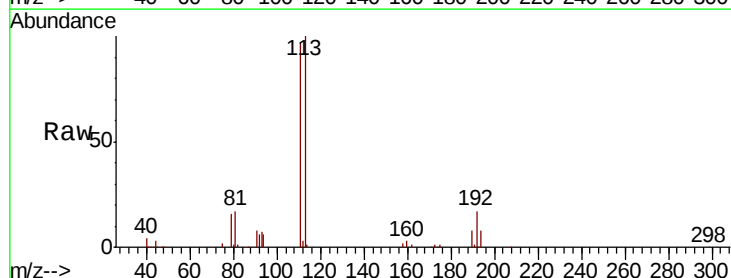
Manual Integrations
APPROVED

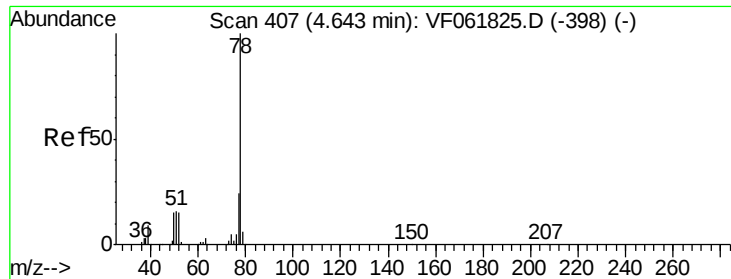
MMDadoda
3/13/2019 4:41:40 PM



#35
Dibromofluoromethane
Concen: 48.398 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.02 min
Lab File: VF061914.D
Acq: 12 Mar 2019 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	160261		
111	96.9	77.6	116.4	
192	17.7	15.9	23.9	





#40

Benzene

Concen: 1.315 ug/l

RT: 4.62 min Scan# 405

Delta R.T. -0.02 min

Lab File: VF061914.D

Acq: 12 Mar 2019 19:33

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-01-COMP

Tgt Ion: 78 Resp: 15404

Ion Ratio Lower Upper

78 100

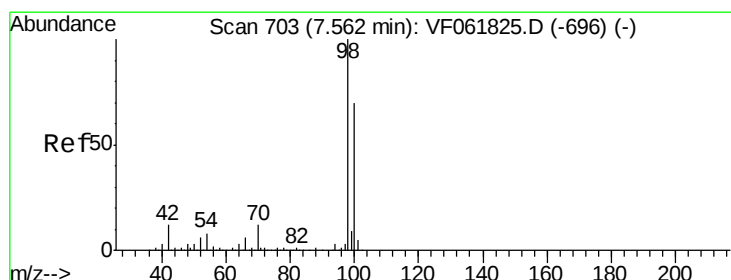
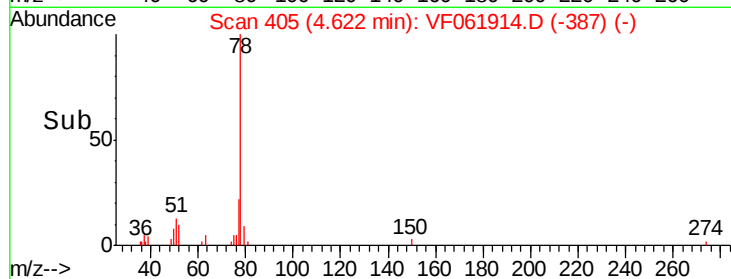
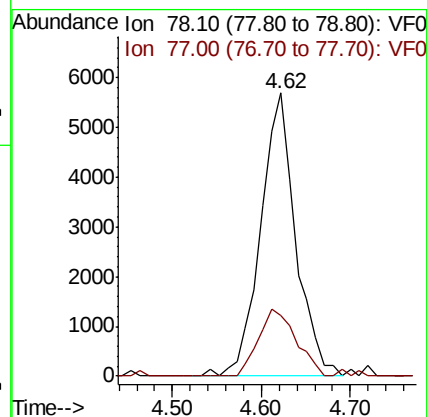
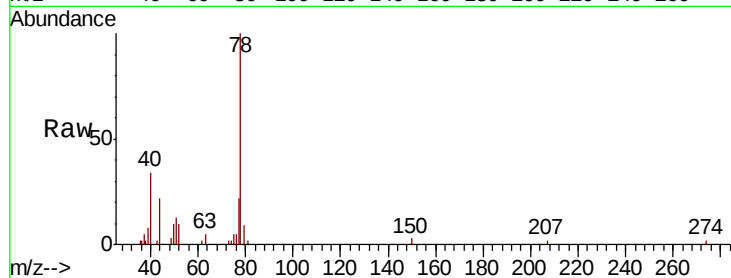
77 21.5 19.5 29.3

Manual Integrations

APPROVED

MMDadoda

3/13/2019 4:41:40 PM



#50

Toluene-d8

Concen: 43.440 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061914.D

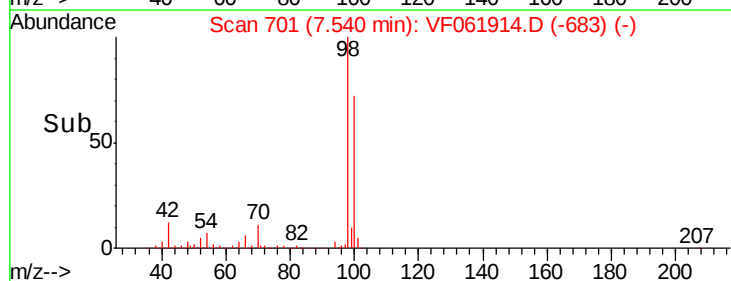
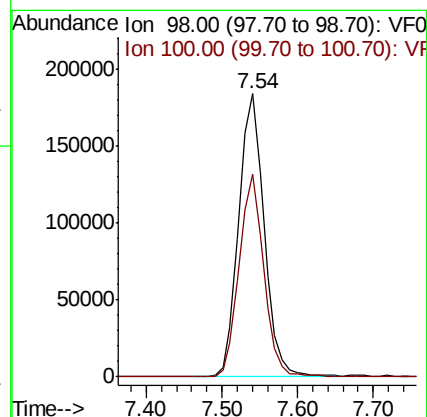
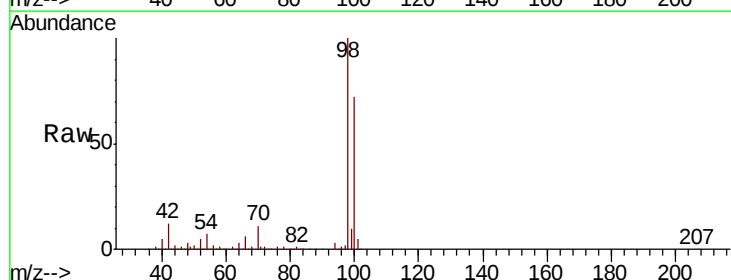
Acq: 12 Mar 2019 19:33

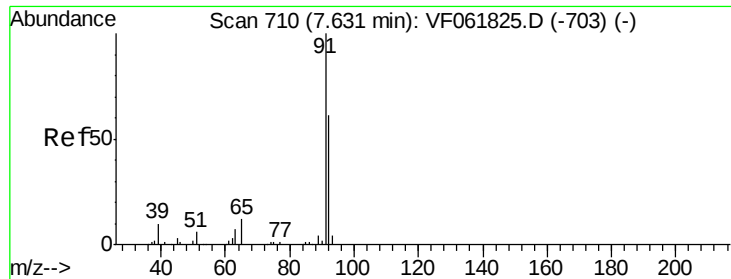
Tgt Ion: 98 Resp: 427552

Ion Ratio Lower Upper

98 100

100 71.6 56.0 84.0





#52

Toluene

Concen: 1.461 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061914.D

Acq: 12 Mar 2019 19:33

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-01-COMP

Tgt Ion: 92 Resp: 10126

Ion Ratio Lower Upper

92 100

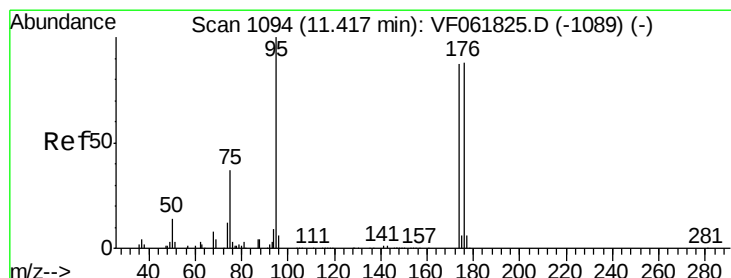
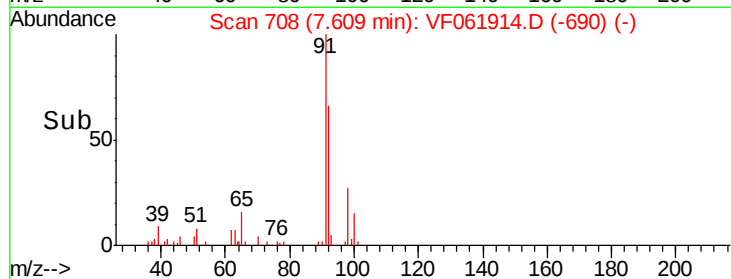
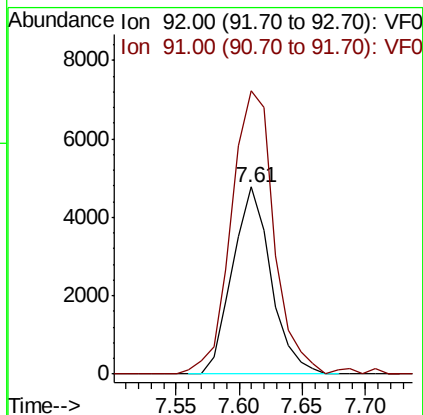
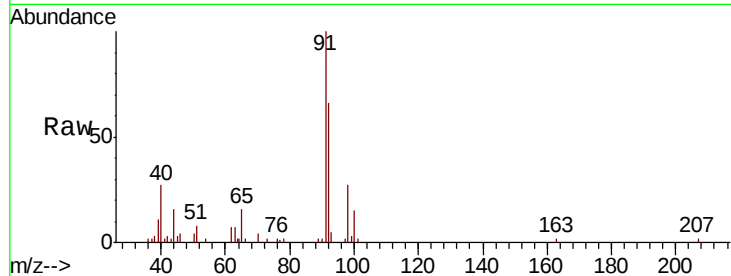
91 151.6 132.0 198.0

Manual Integrations

APPROVED

MMDadoda

3/13/2019 4:41:40 PM



#62

4-Bromofluorobenzene

Concen: 50.165 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061914.D

Acq: 12 Mar 2019 19:33

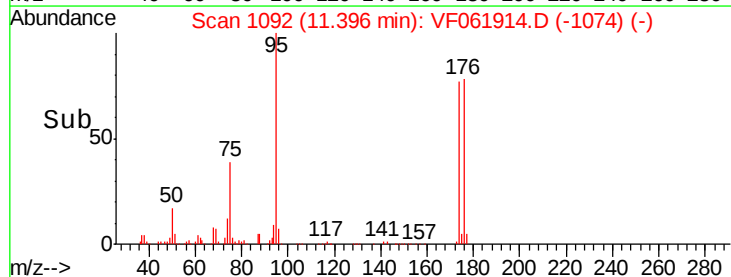
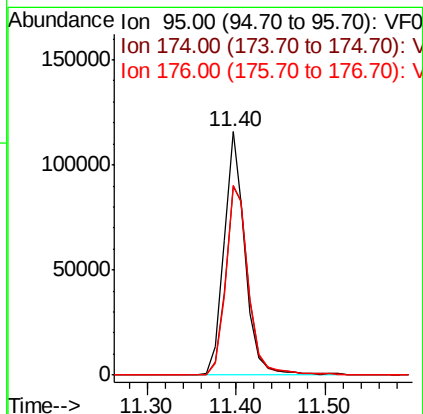
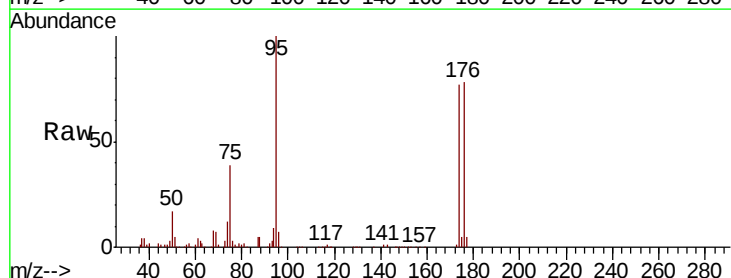
Tgt Ion: 95 Resp: 193410

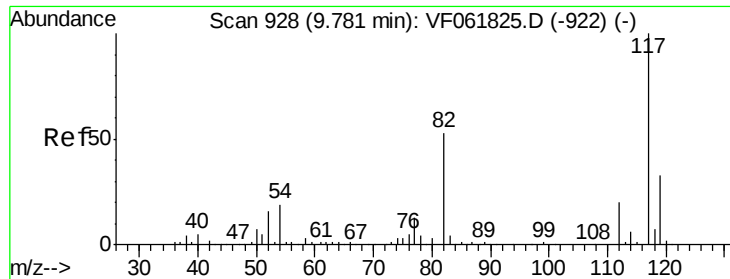
Ion Ratio Lower Upper

95 100

174 77.4 0.0 174.0

176 77.9 0.0 175.2





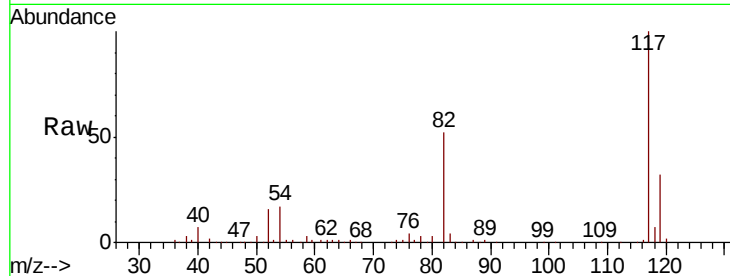
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061914.D
Acq: 12 Mar 2019 19:33

Instrument :
MSVOA_F
ClientSampleId :
MR-MH-01-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	409508		
82	51.9	42.6	63.8	
119	32.5	26.0	39.0	

Manual Integrations
APPROVED

MMDadoda
3/13/2019 4:41:40 PM

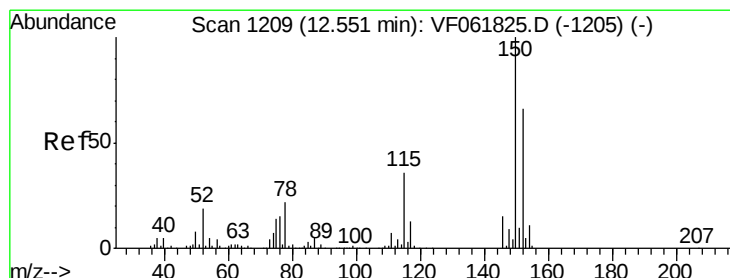
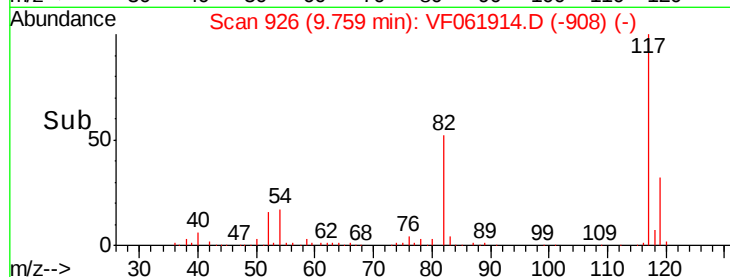
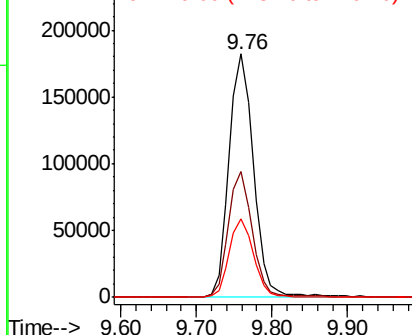


Abundance

Ion 117.00 (116.70 to 117.70): V

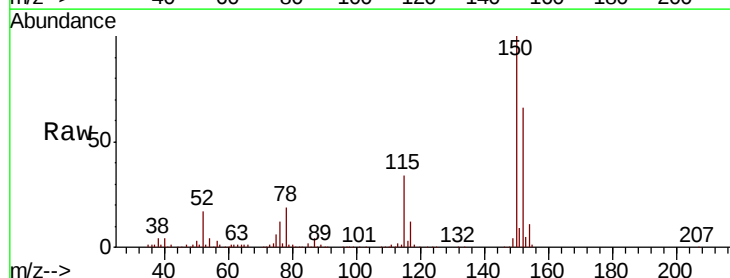
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061914.D
Acq: 12 Mar 2019 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	233935		
115	51.1	27.7	83.1	
150	151.6	0.0	304.2	



Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

