

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032019\
 Data File : VF062052.D
 Acq On : 20 Mar 2019 20:58
 Operator : VA/AP
 Sample : K2004-12
 Misc : 5.63g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-23(4-5)

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:52:53 PM

Quant Time: Mar 22 07:53:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	191685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	295673	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	207789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	72500	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	97282	70.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	141.00%	
35) Dibromofluoromethane	4.10	113	131653	66.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	132.62%	
50) Toluene-d8	7.54	98	314927	54.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.52%	
62) 4-Bromofluorobenzene	11.40	95	94382	40.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.86%	
Target Compounds						
20) Methylene Chloride	2.18	84	21759m	13.640	ug/l	Qvalue
64) Tetrachloroethene	8.14	164	3978	2.634	ug/l	92

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

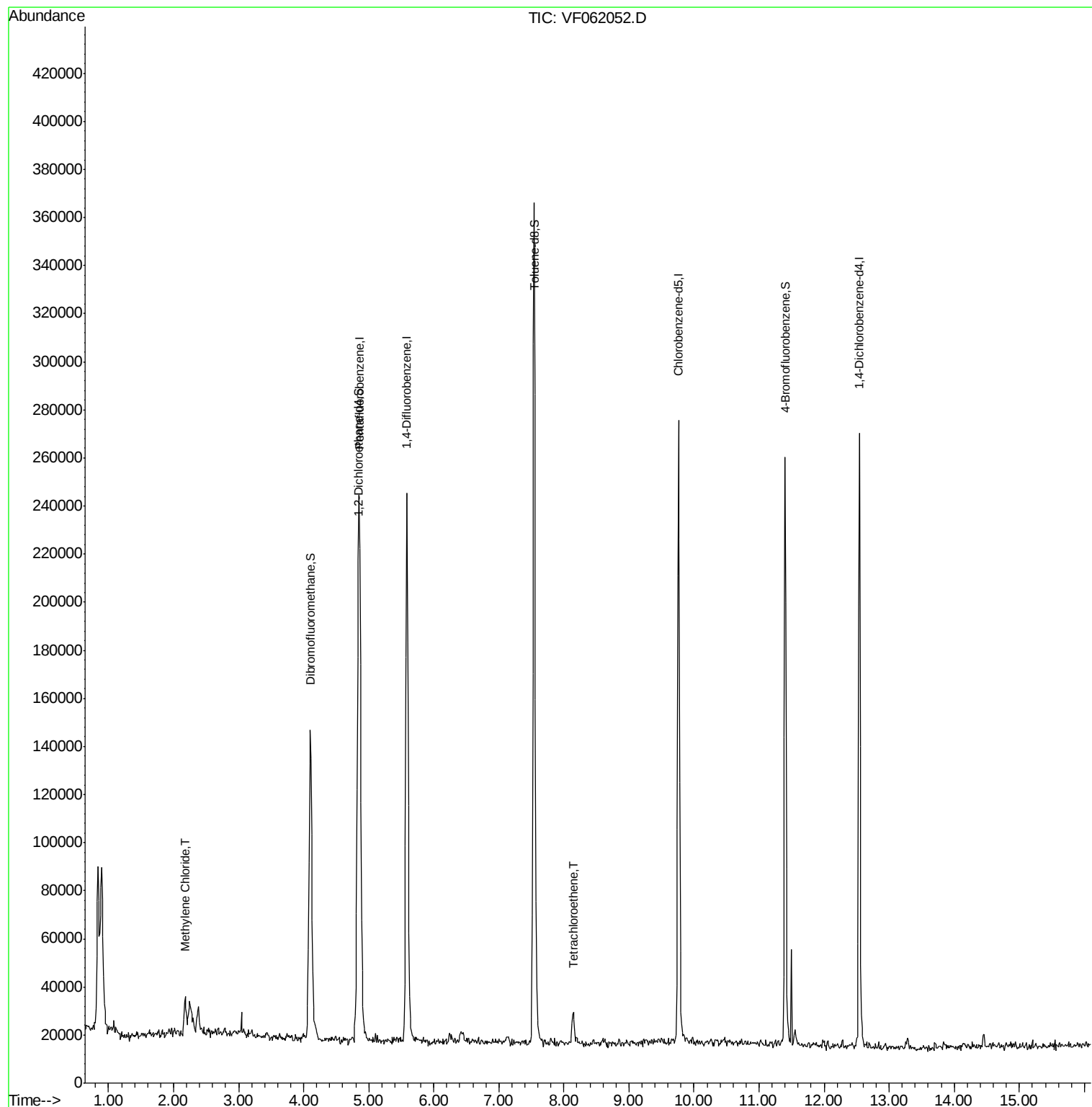
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032019\
Data File : VF062052.D
Acq On : 20 Mar 2019 20:58
Operator : VA/AP
Sample : K2004-12
Misc : 5.63g/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

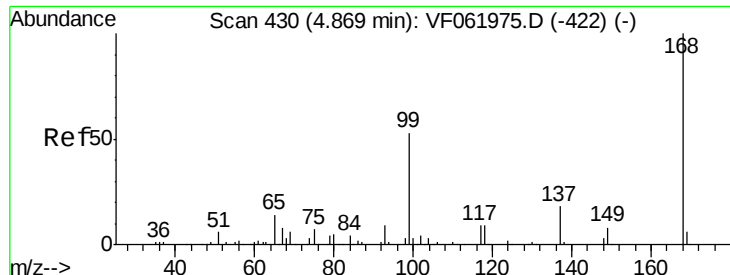
Instrument :
MSVOA_F
ClientSampleId :
SB-23(4-5)

Manual Integrations
APPROVED

MMDadoda
3/22/2019 4:52:53 PM

Quant Time: Mar 22 07:53:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF062052.D

Acq: 20 Mar 2019 20:58

Instrument :

MSVOA_F

ClientSampleId :

SB-23(4-5)

Tot Ion:168 Resp: 191685

Ion Ratio Lower Upper

168 100

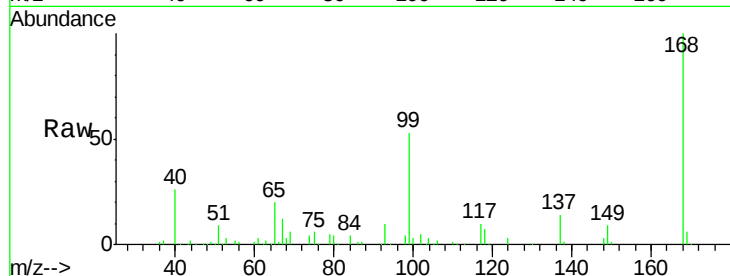
99 52.9 42.4 63.6

Manual Integrations

APPROVED

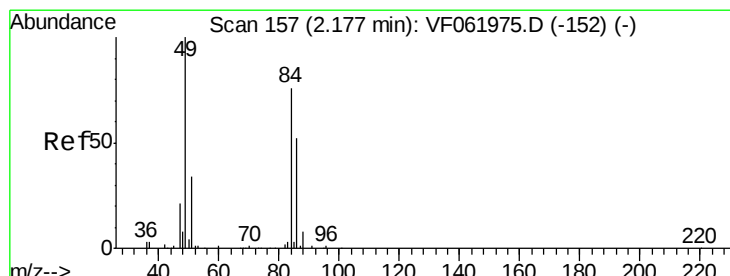
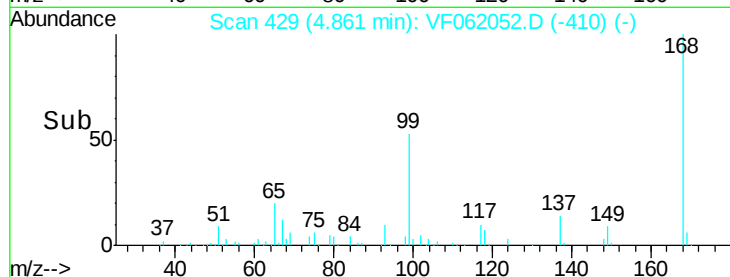
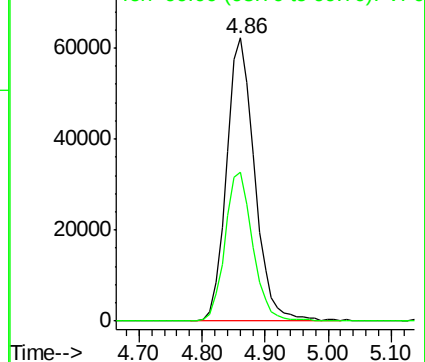
MMDadoda

3/22/2019 4:52:53 PM



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#20

Methylene Chloride

Concen: 13.640 ug/l m

RT: 2.18 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF062052.D

Acq: 20 Mar 2019 20:58

Tgt Ion: 84 Resp: 21759

Ion Ratio Lower Upper

84 100

49 114.3 107.0 160.6

51 31.6 37.2 55.8#

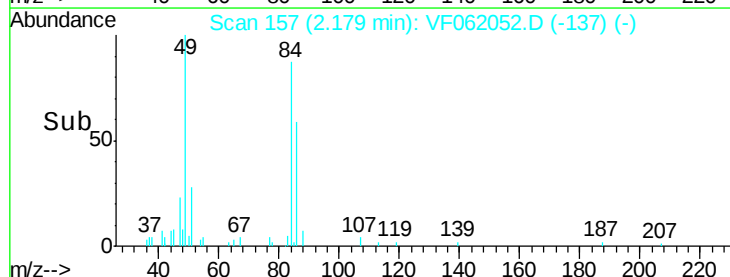
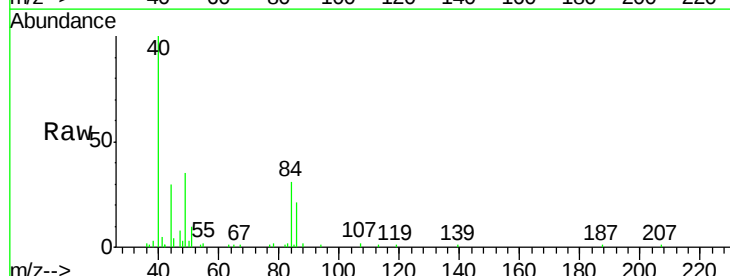
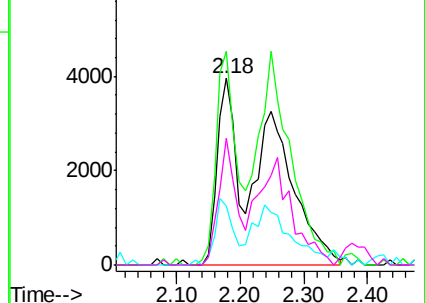
86 67.8 55.3 82.9

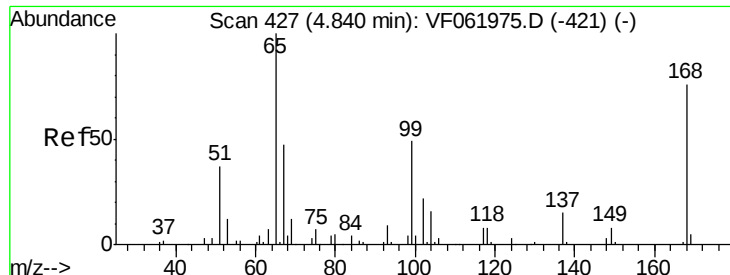
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





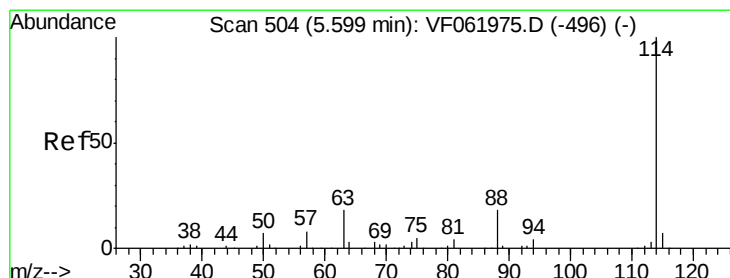
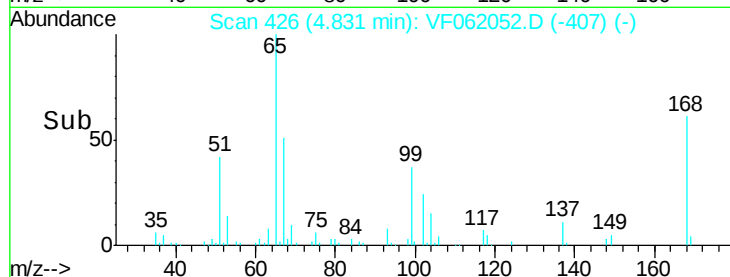
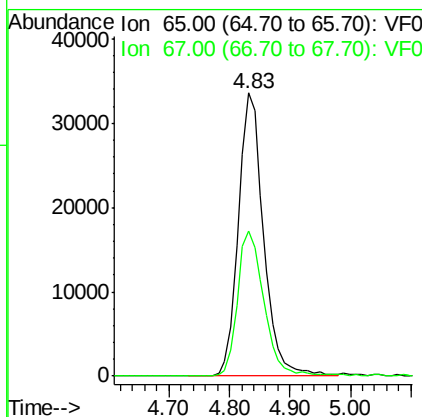
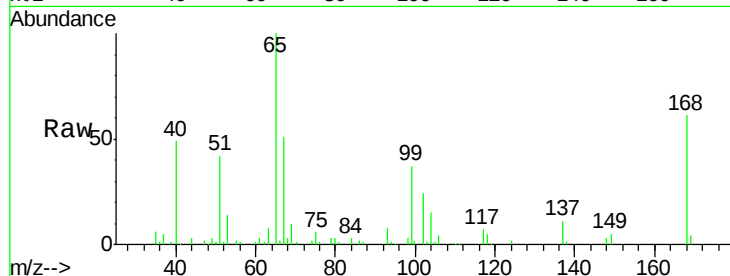
#33
 1,2-Dichloroethane-d4
 Concen: 70.503 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF062052.D
 Acq: 20 Mar 2019 20:58

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-23(4-5)

Tot Ion: 65 Resp: 97282
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 109.4

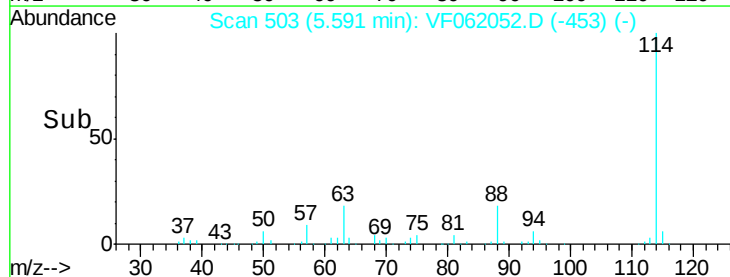
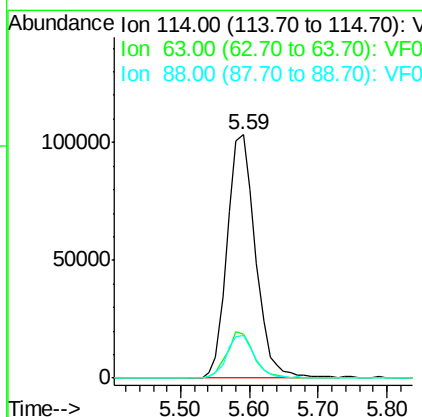
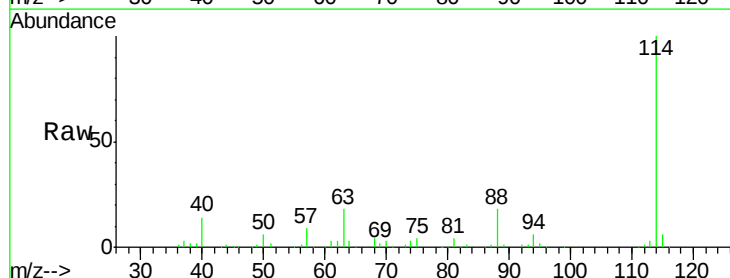
Manual Integrations
 APPROVED

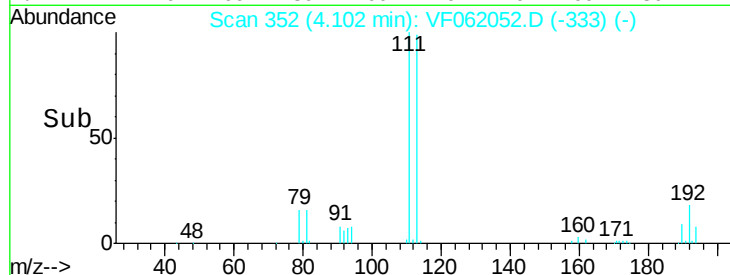
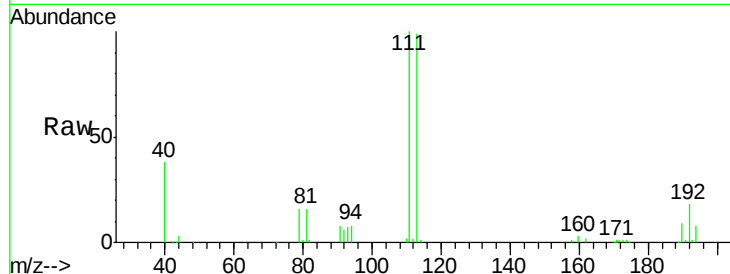
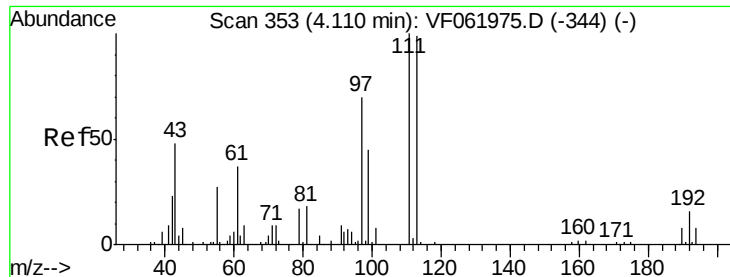
MMDadoda
 3/22/2019 4:52:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF062052.D
 Acq: 20 Mar 2019 20:58

Tgt Ion: 114 Resp: 295673
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.4
 88 17.5 0.0 36.4





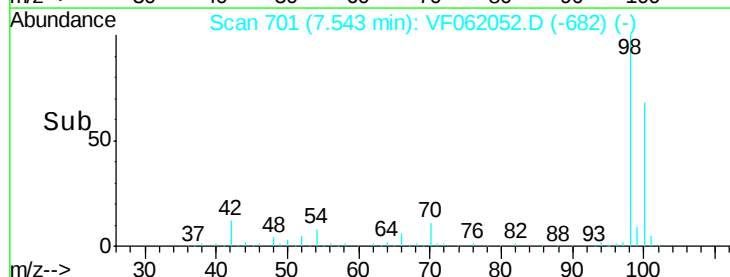
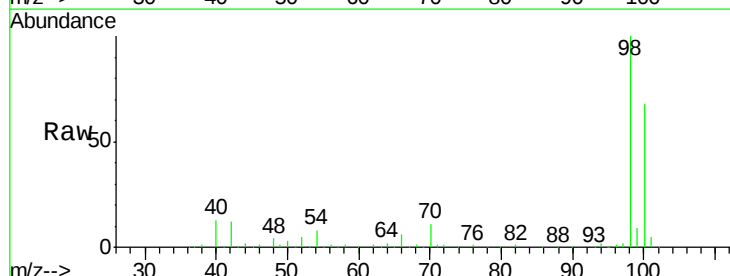
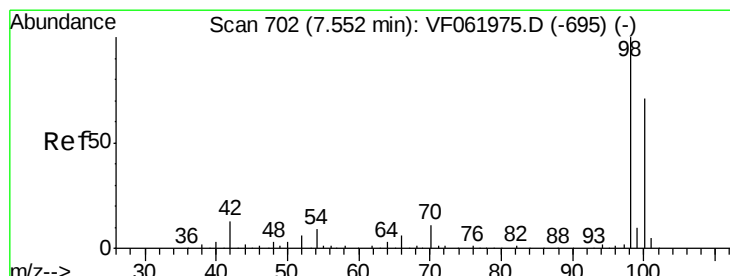
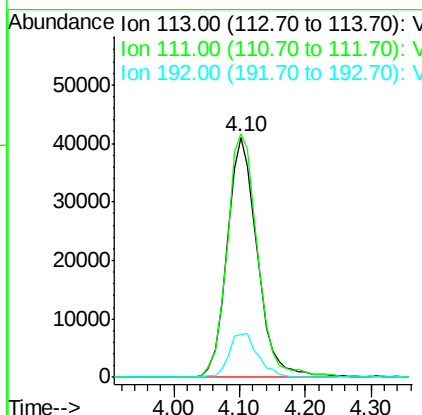
#35
Dibromofluoromethane
Concen: 66.307 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF062052.D
Acq: 20 Mar 2019 20:58

Tot Ion	Ratio	Resp	Lower	Upper
113	100	131653		
111	101.4	80.8	121.2	
192	18.7	13.0	19.6	

Instrument :
MSVOA_F
ClientSampleId :
SB-23(4-5)

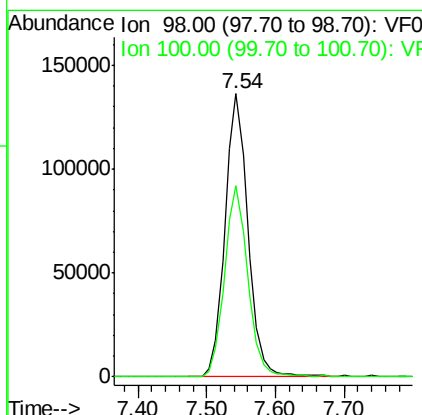
Manual Integrations
APPROVED

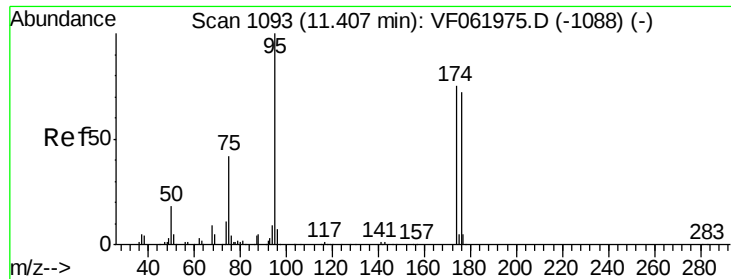
MMDadoda
3/22/2019 4:52:53 PM



#50
Toluene-d8
Concen: 54.258 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF062052.D
Acq: 20 Mar 2019 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	314927		
100	67.7	56.8	85.2	





#62

4-Bromofluorobenzene

Concen: 40.933 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF062052.D

Acq: 20 Mar 2019 20:58

Instrument :

MSVOA_F

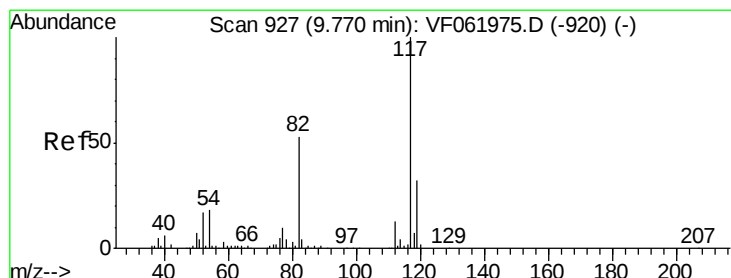
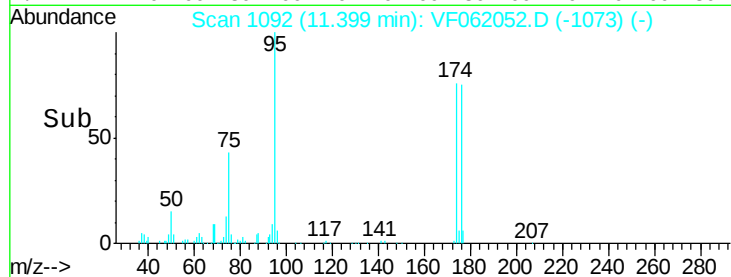
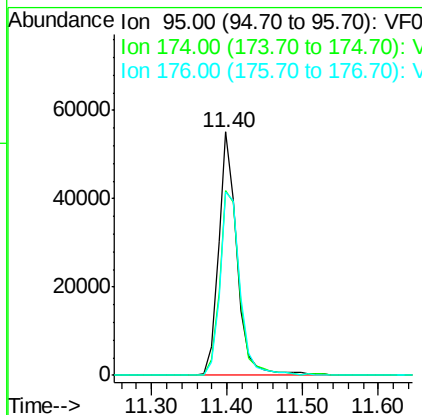
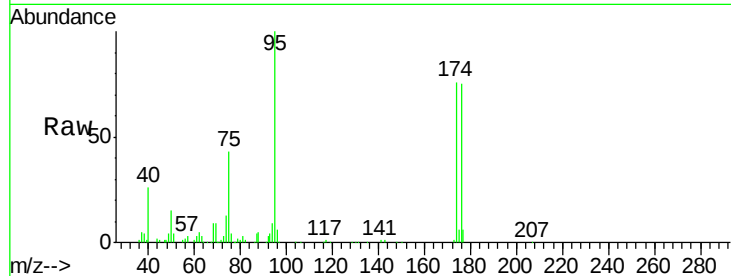
ClientSampleId :

SB-23(4-5)

Tot Ion:	95	Resp:	94382
Ion Ratio	Lower	Upper	
95	100		
174	76.0	0.0	149.4
176	75.2	0.0	143.4

Manual Integrations
APPROVED

MMDadoda
3/22/2019 4:52:53 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

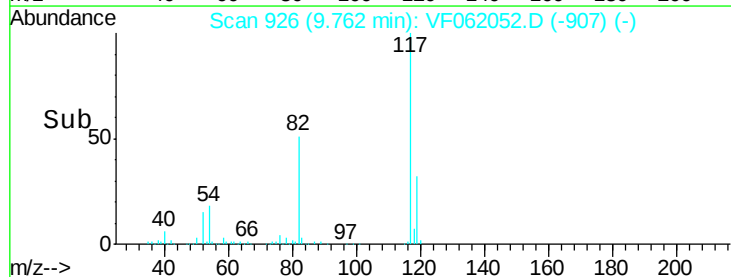
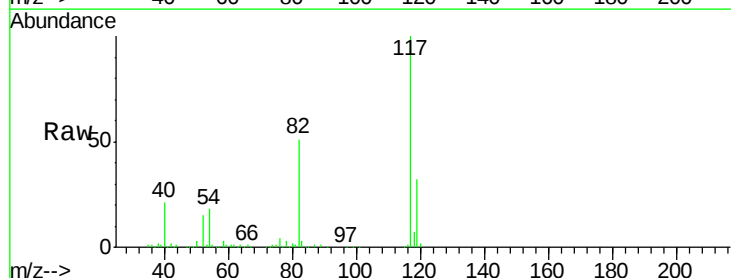
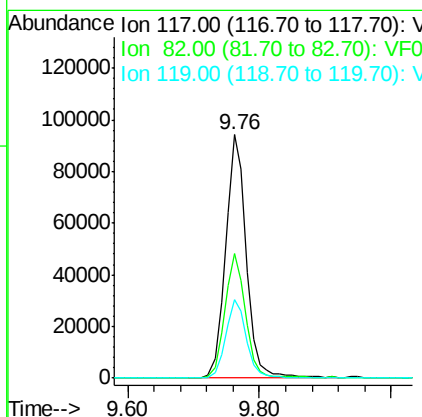
RT: 9.76 min Scan# 926

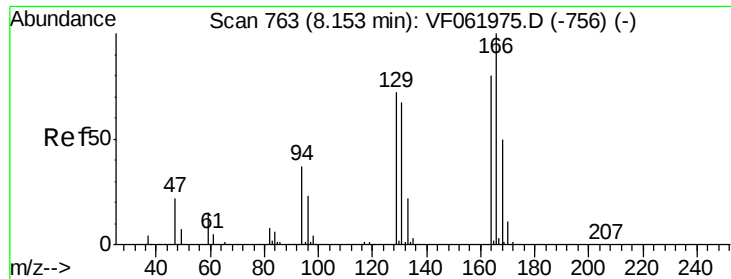
Delta R.T. -0.01 min

Lab File: VF062052.D

Acq: 20 Mar 2019 20:58

Tgt Ion:	117	Resp:	207789
Ion Ratio	Lower	Upper	
117	100		
82	51.2	42.5	63.7
119	32.4	25.4	38.0





#64

Tetrachloroethene

Concen: 2.634 ug/l

RT: 8.14 min Scan# 762

Delta R.T. -0.01 min

Lab File: VF062052.D

Acq: 20 Mar 2019 20:58

Instrument :

MSVOA_F

ClientSampleId :

SB-23(4-5)

Tot Ion:164 Resp: 3978

Ion Ratio Lower Upper

164 100

166 115.5 100.0 150.0

129 84.5 72.4 108.6

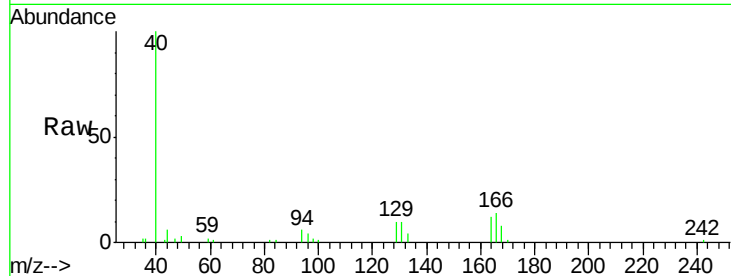
131 76.8 67.1 100.7

Manual Integrations

APPROVED

MMDadoda

3/22/2019 4:52:53 PM

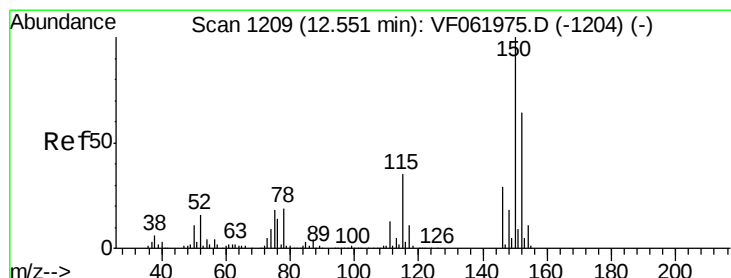
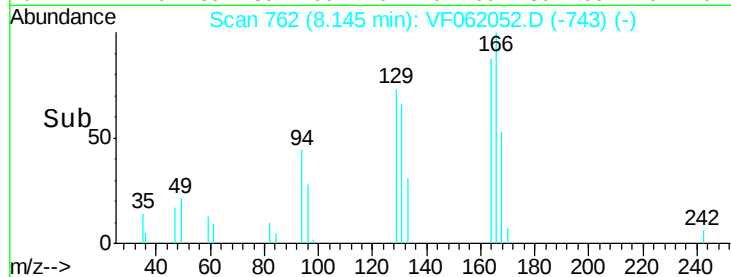
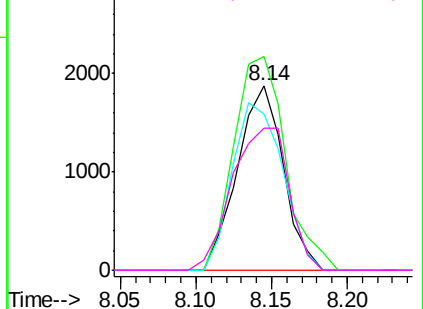


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): 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: VF062052.D

Acq: 20 Mar 2019 20:58

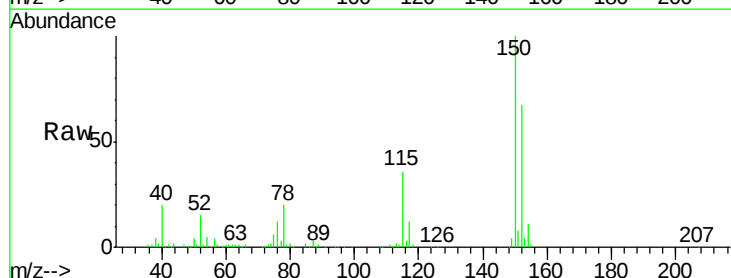
Tgt Ion:152 Resp: 72500

Ion Ratio Lower Upper

152 100

115 53.5 27.3 81.9

150 149.9 0.0 316.2



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

