

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061448.D
 Acq On : 17 Jan 2019 16:53
 Operator : VA/AP
 Sample : K1188-02
 Misc : 6.81g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S2-FRONT-HOUSE-7

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 3:42:39 PM

Quant Time: Jan 18 04:11:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	190722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	347564	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	282208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	111439	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	142532	60.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.06%	
35) Dibromofluoromethane	4.10	113	162288	59.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.34%	
50) Toluene-d8	7.53	98	403032	53.64	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	107.28%	
62) 4-Bromofluorobenzene	11.40	95	161583	46.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.04%	
Target Compounds						
16) Acetone	2.23	43	5568	11.787	ug/l	94
20) Methylene Chloride	2.23	84	10474m	4.948	ug/l	
52) Toluene	7.61	92	56080	9.497	ug/l	95

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

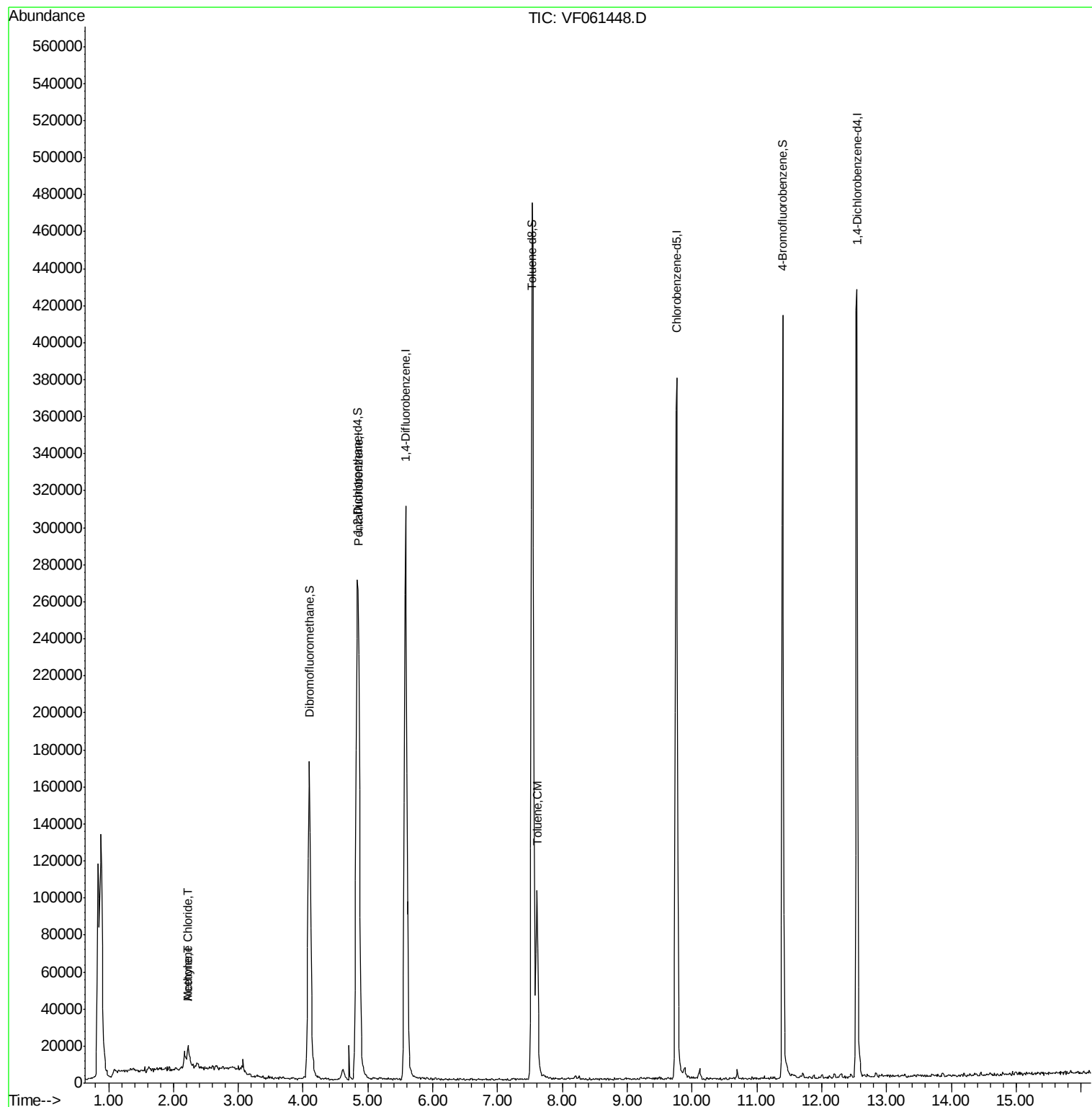
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011719\
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Quant Time: Jan 18 04:11:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061448.D

Acq: 17 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

S2-FRONT-HOUSE-7

Tot Ion:168 Resp: 190722

Ion Ratio Lower Upper

168 100

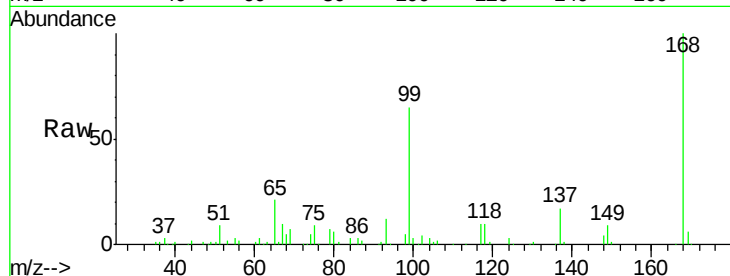
99 65.4 53.5 80.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

60000

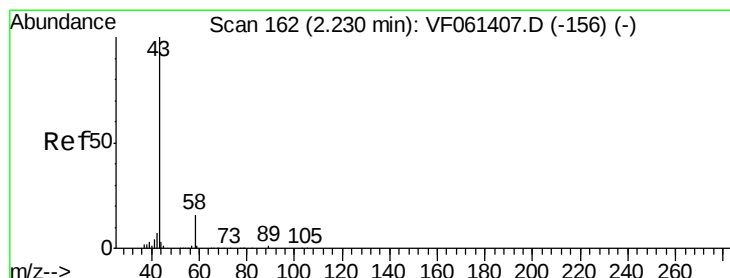
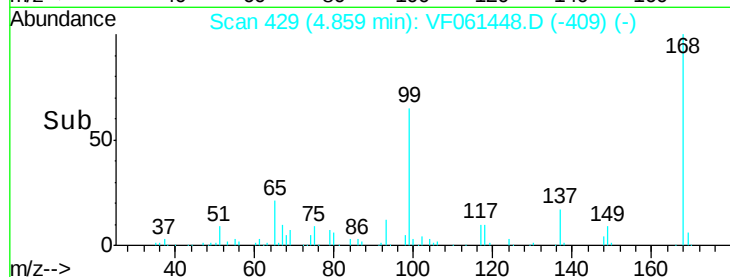
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#16

Acetone

Concen: 11.787 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061448.D

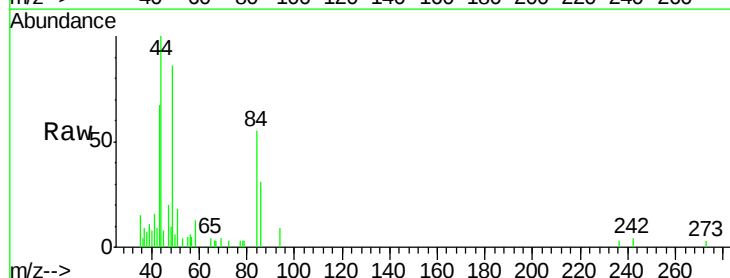
Acq: 17 Jan 2019 16:53

Tgt Ion: 43 Resp: 5568

Ion Ratio Lower Upper

43 100

58 19.2 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2500

2000

1500

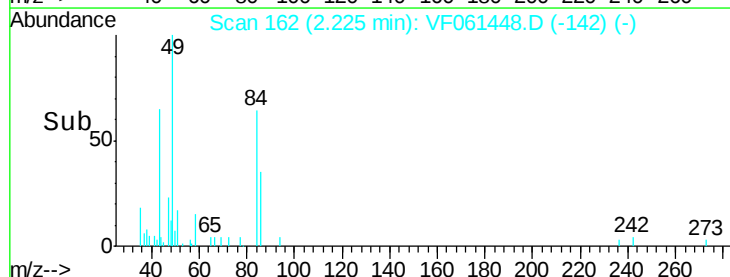
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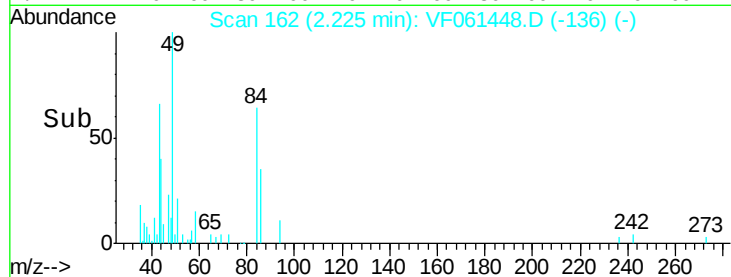
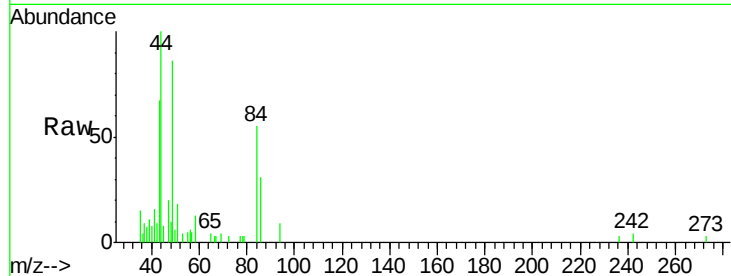
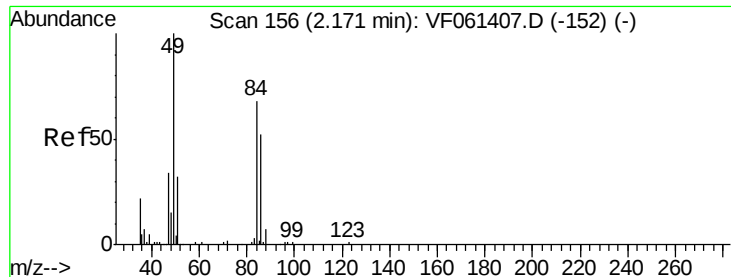
500

0

2.15 2.20 2.25 2.30

Time-->





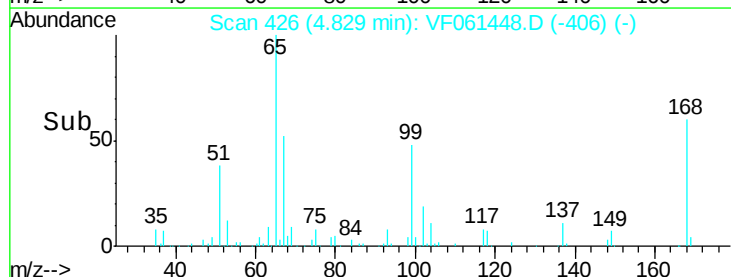
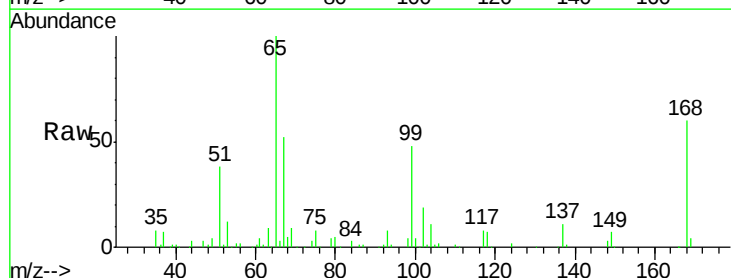
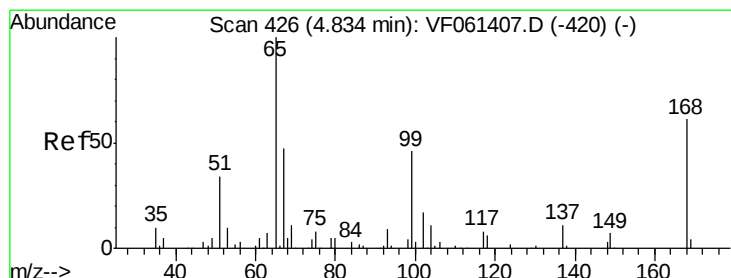
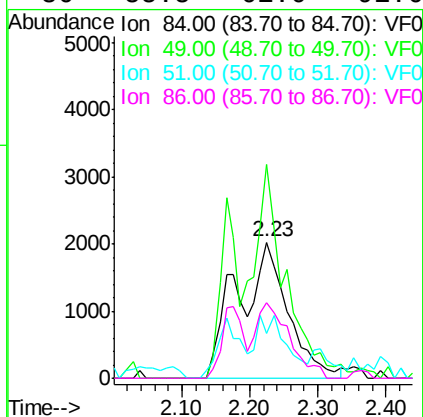
#20
Methvlene Chloride
Concen: 4.948 ug/l m
RT: 2.23 min Scan# 162
Delta R.T. 0.06 min
Lab File: VF061448.D
Acq: 17 Jan 2019 16:53

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	156.7	120.0	180.0	
51	33.3	38.6	58.0	
86	55.5	61.0	91.6	

Instrument :
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ClientSampleId :
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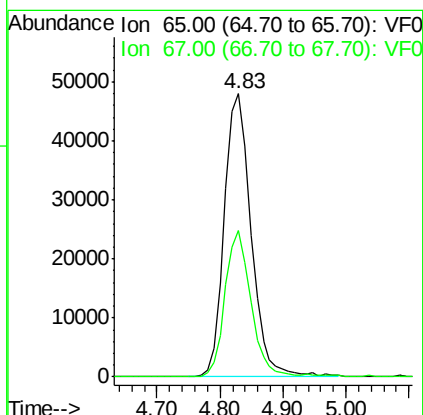
Manual Integrations
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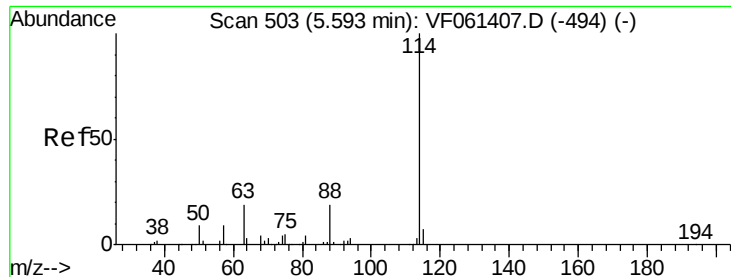
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#33
1,2-Dichloroethane-d4
Concen: 60.531 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.00 min
Lab File: VF061448.D
Acq: 17 Jan 2019 16:53

Tgt Ion	Ion	Ratio	Lower	Upper
65	100			
67	51.9	0.0	99.8	





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061448.D

Acq: 17 Jan 2019 16:53

Instrument :

MSVOA_F

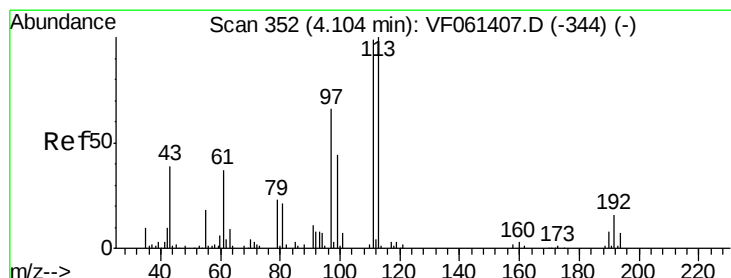
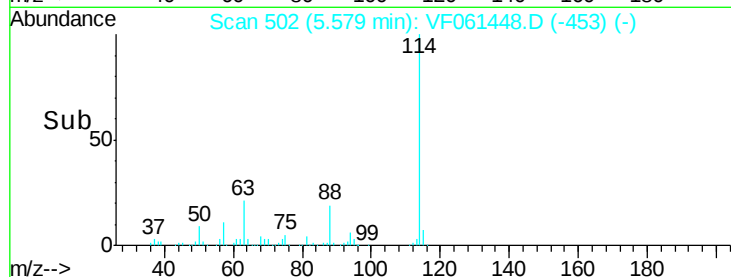
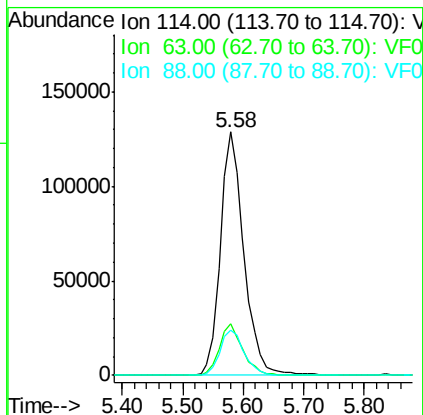
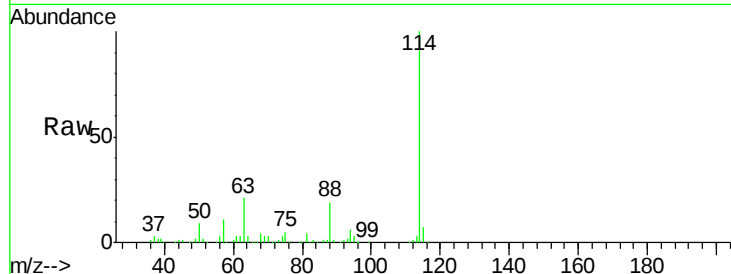
ClientSampleId :

S2-FRONT-HOUSE-7

Tot Ion:	114	Resp:	347564
Ion Ratio	Lower	Upper	
114	100		
63	21.0	0.0	39.0
88	18.7	0.0	37.4

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#35

Dibromofluoromethane

Concen: 59.174 ug/l

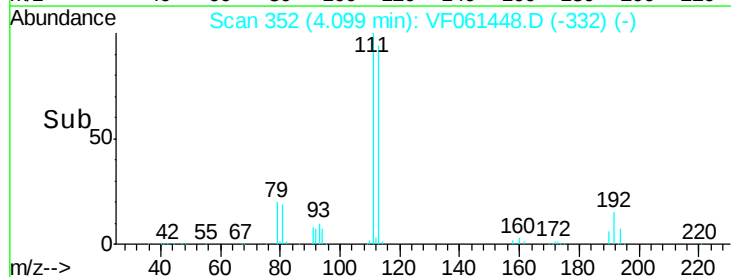
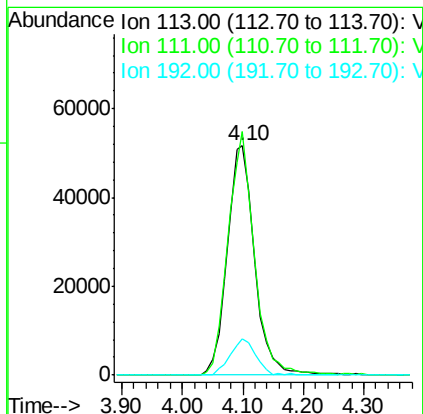
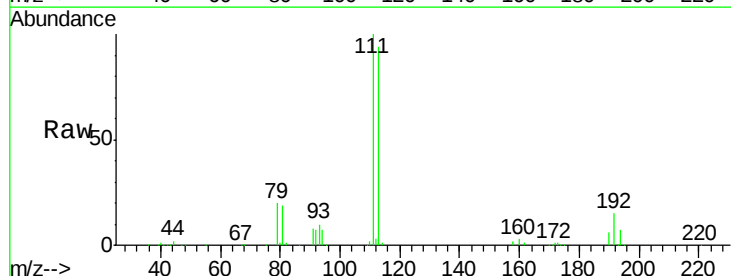
RT: 4.10 min Scan# 352

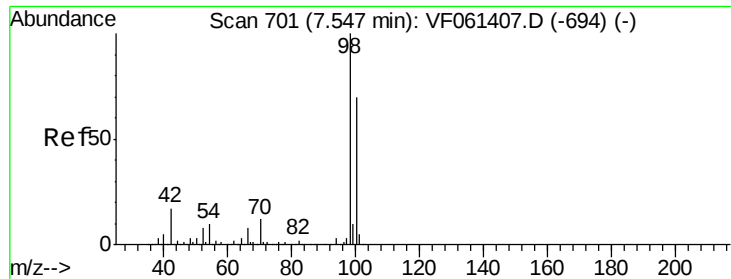
Delta R.T. -0.00 min

Lab File: VF061448.D

Acq: 17 Jan 2019 16:53

Tgt Ion:	113	Resp:	162288
Ion Ratio	Lower	Upper	
113	100		
111	106.3	79.4	119.0
192	15.6	12.4	18.6





#50

Toluene-d8

Concen: 53.636 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF061448.D

Acq: 17 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

S2-FRONT-HOUSE-7

Tot Ion: 98 Resp: 403032

Ion Ratio Lower Upper

98 100

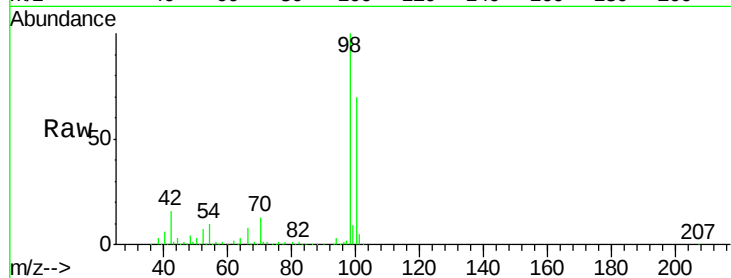
100 70.0 55.6 83.4

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Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.53

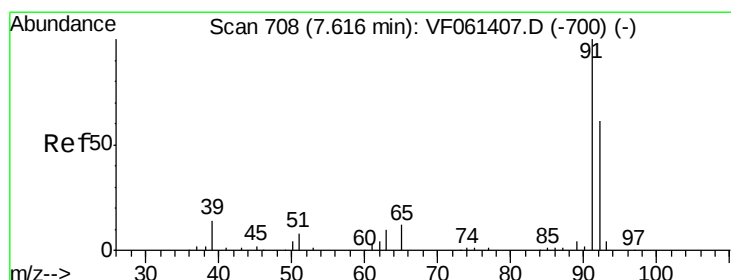
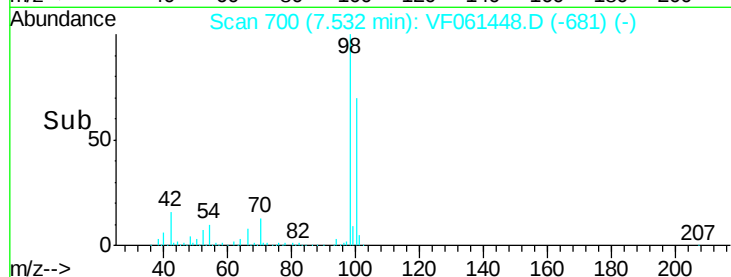
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 9.497 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.00 min

Lab File: VF061448.D

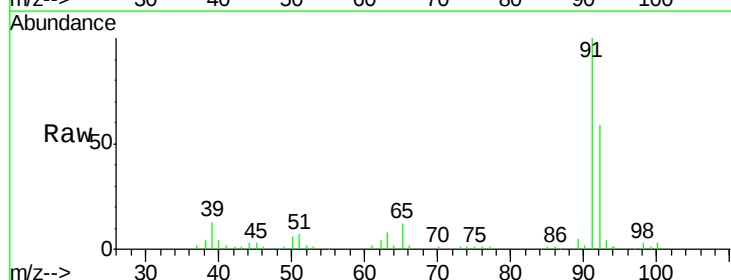
Acq: 17 Jan 2019 16:53

Tgt Ion: 92 Resp: 56080

Ion Ratio Lower Upper

92 100

91 170.3 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.61

40000

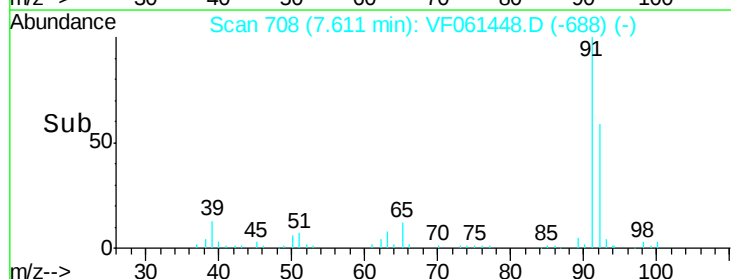
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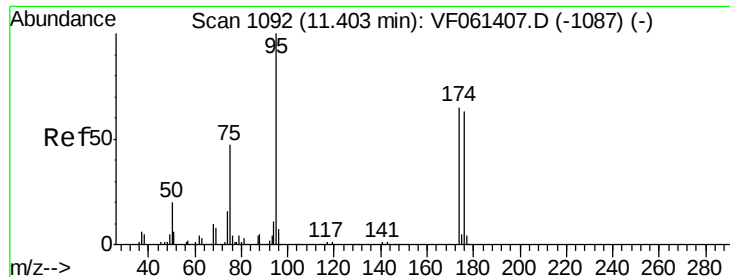
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10000

0

Time-->





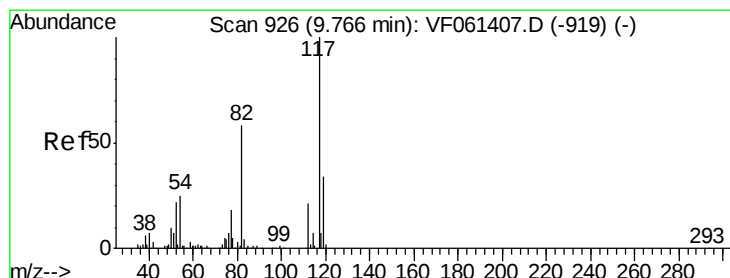
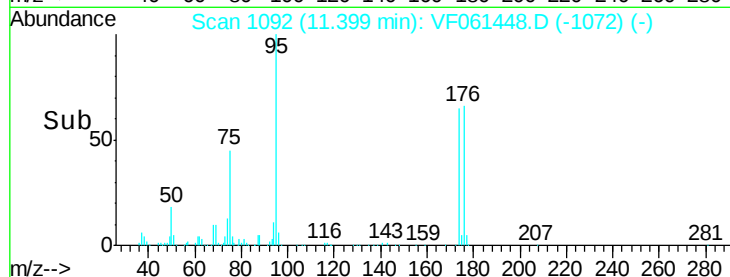
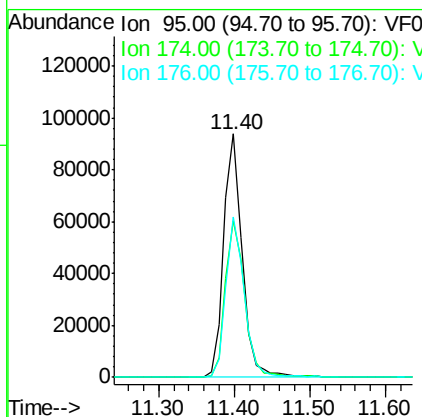
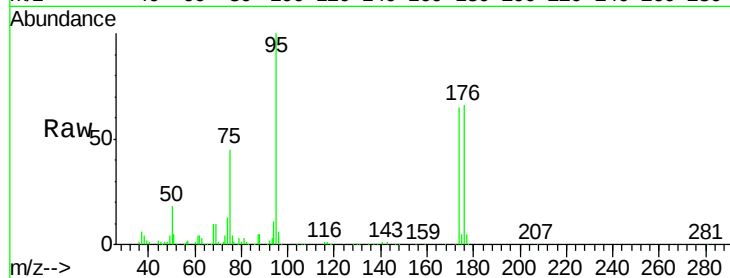
#62
4-Bromofluorobenzene
Concen: 46.024 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VF061448.D
Acq: 17 Jan 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
S2-FRONT-HOUSE-7

Tot Ion	Ratio	Resp	Lower	Upper
95	100	161583		
174	64.6	0.0	130.4	
176	65.9	0.0	126.2	

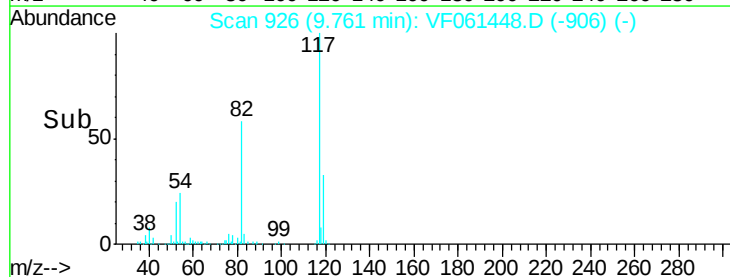
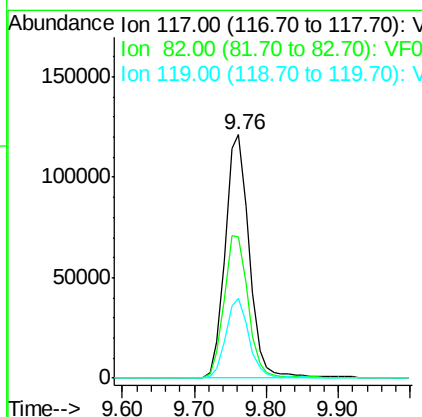
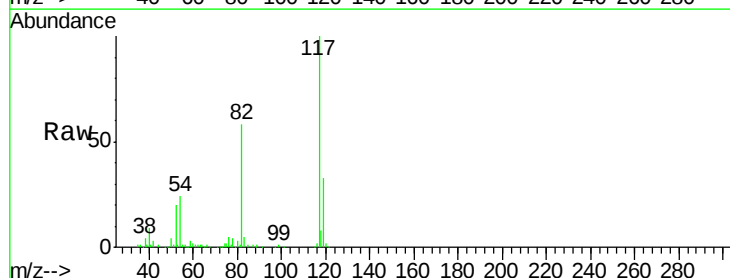
Manual Integrations
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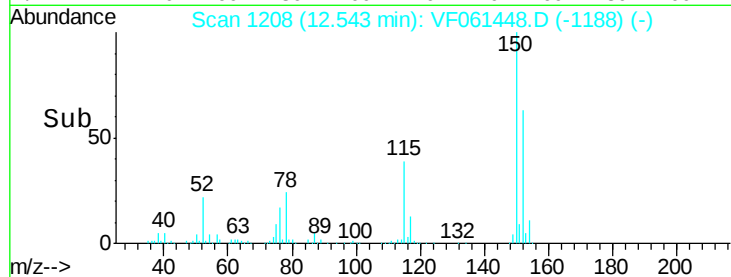
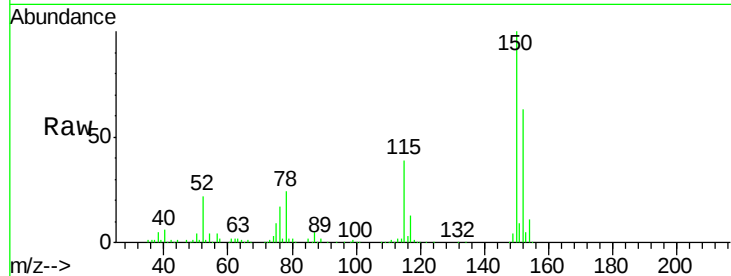
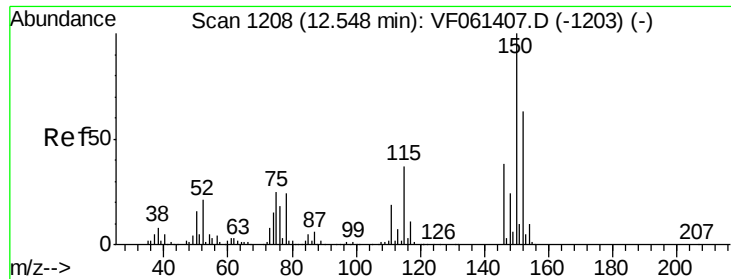
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VF061448.D
Acq: 17 Jan 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	282208		
82	58.0	46.4	69.6	
119	32.9	27.2	40.8	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061448.D

Acq: 17 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

S2-FRONT-HOUSE-7

Tot Ion:152 Resp: 111439

Ion Ratio Lower Upper

152 100

115 62.2 30.0 90.0

150 157.6 0.0 321.4

Manual Integrations

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