

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061548.D
 Acq On : 7 Feb 2019 16:44
 Operator : VA/AP
 Sample : K1401-05
 Misc : 6.75g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RT-3425

Manual Integrations
 APPROVED

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 2/11/2019 12:36:02 PM

Quant Time: Feb 09 04:53:11 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	190322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	319255	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	258562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	117144	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	102170	43.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.96%	
35) Dibromofluoromethane	4.11	113	116024	46.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.12%	
50) Toluene-d8	7.55	98	260918	37.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.60%	
62) 4-Bromofluorobenzene	11.40	95	109179	33.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.72%	
Target Compounds						
20) Methylene Chloride	2.26	84	6846m	2.613	ug/l	
40) Benzene	4.64	78	38164	4.633	ug/l	96
52) Toluene	7.62	92	10065	1.856	ug/l	92
95) Naphthalene	14.45	128	24458	4.882	ug/l	99

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

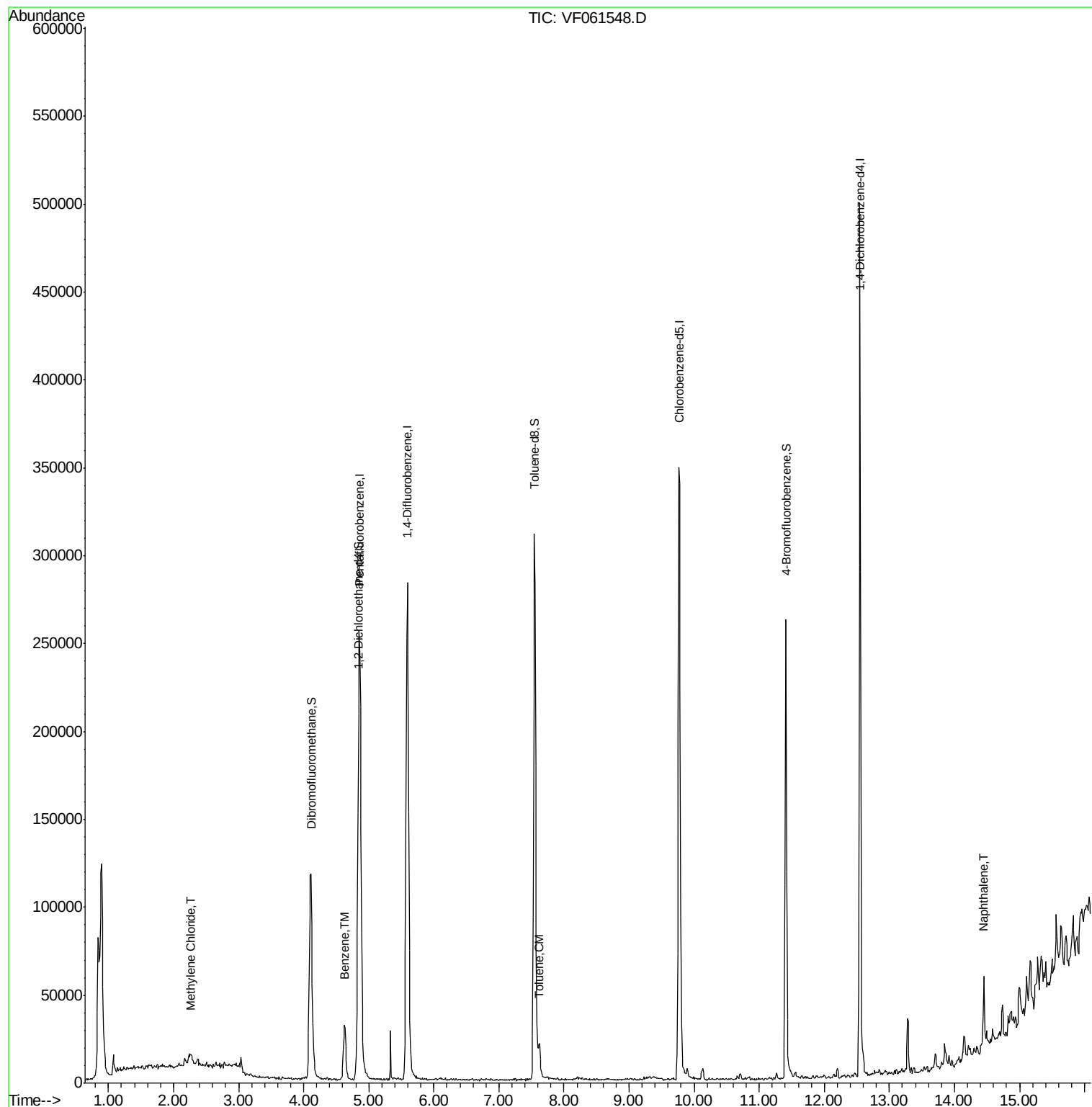
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF020719\
Data File : VF061548.D
Acq On : 7 Feb 2019 16:44
Operator : VA/AP
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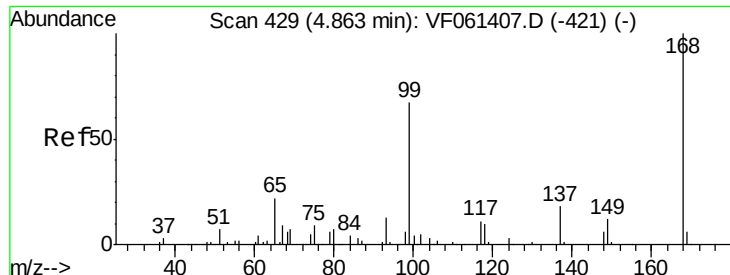
Instrument :
MSVOA_F
ClientSampleId :
RT-3425

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Quant Time: Feb 09 04:53:11 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: VF061548.D

Acq: 7 Feb 2019 16:44

Instrument :

MSVOA_F

ClientSampleId :

RT-3425

Tot Ion:168 Resp: 190322

Ion Ratio Lower Upper

168 100

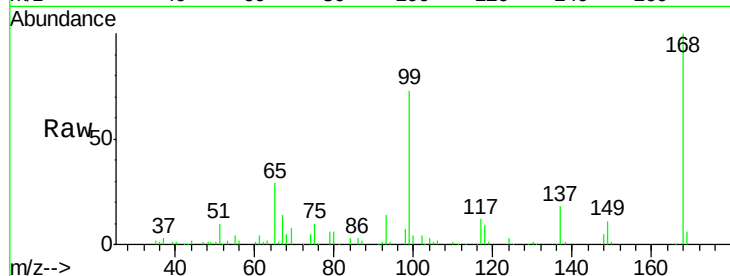
99 72.7 53.5 80.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

60000

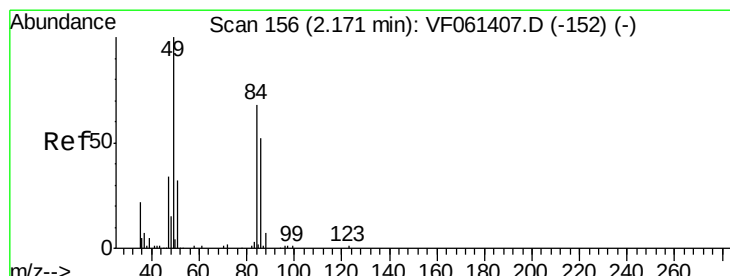
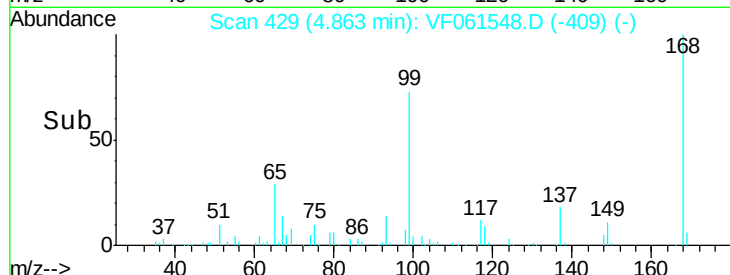
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#20

Methylene Chloride

Concen: 2.613 ug/l m

RT: 2.26 min Scan# 165

Delta R.T. 0.09 min

Lab File: VF061548.D

Acq: 7 Feb 2019 16:44

Tgt Ion: 84 Resp: 6846

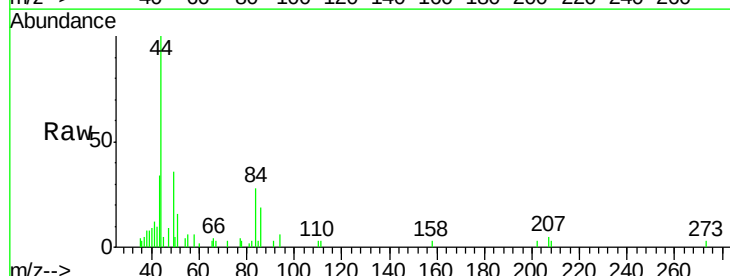
Ion Ratio Lower Upper

84 100

49 130.0 120.0 180.0

51 58.5 38.6 58.0#

86 67.4 61.0 91.6



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

2000

1500

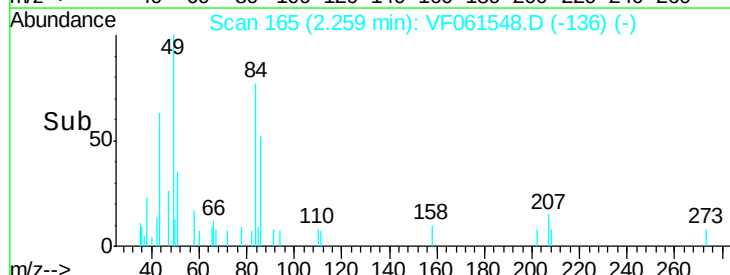
1000

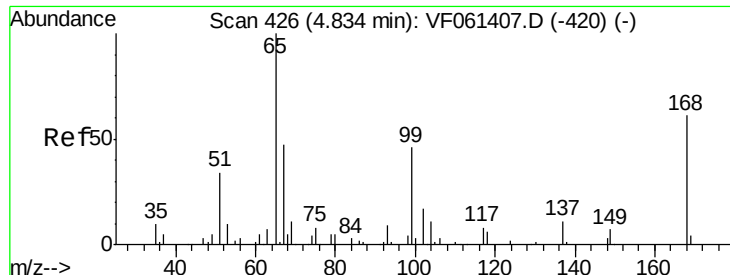
500

0

2.10 2.20 2.30 2.40

Time-->





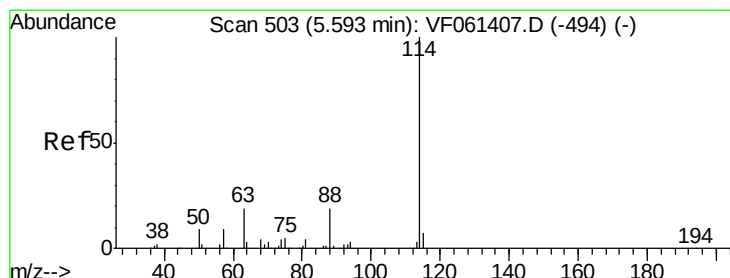
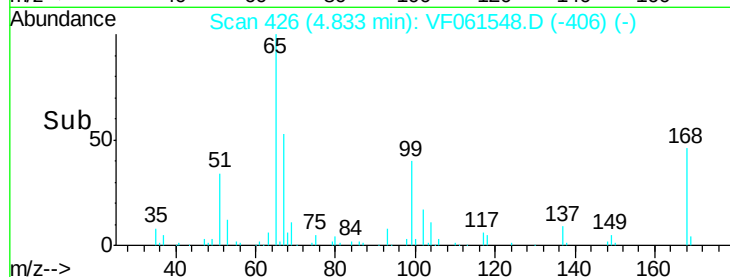
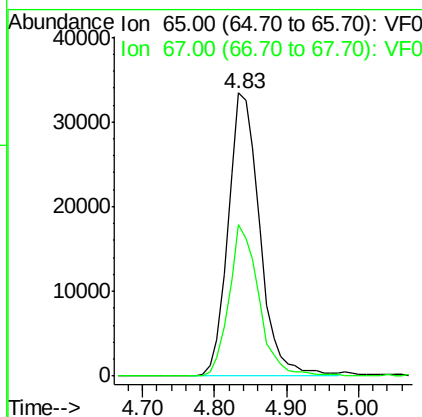
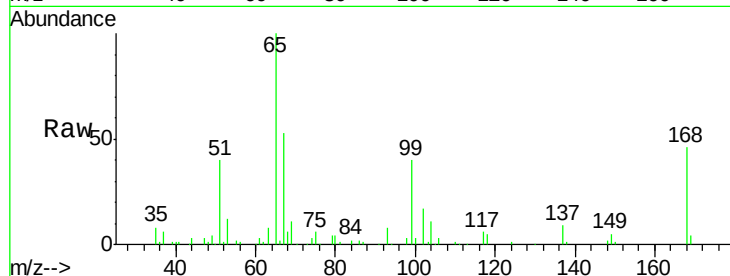
#33
 1,2-Dichloroethane-d4
 Concen: 43.481 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: VF061548.D
 Acq: 7 Feb 2019 16:44

Instrument :
 MSVOA_F
 ClientSampleId :
 RT-3425

Tot Ion	Ratio	Resp	Lower	Upper
65	100	102170		
67	53.3	0.0	99.8	

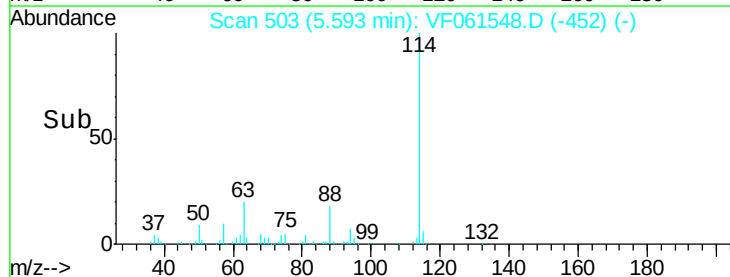
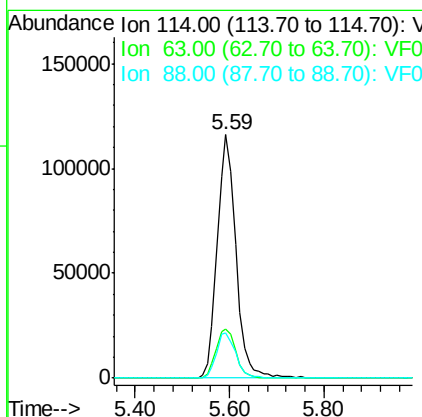
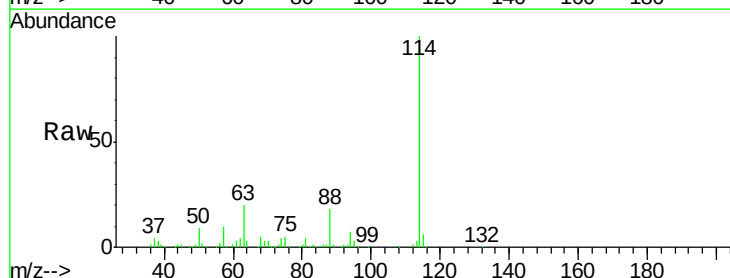
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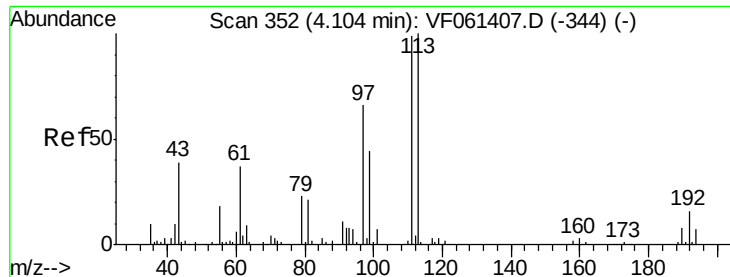
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF061548.D
 Acq: 7 Feb 2019 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	319255		
63	20.2	0.0	39.0	
88	18.5	0.0	37.4	





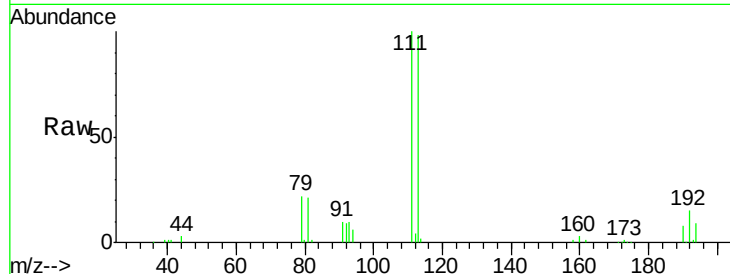
#35
Dibromofluoromethane
Concen: 46.056 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF061548.D
Acq: 7 Feb 2019 16:44

Instrument :
MSVOA_F
ClientSampleId :
RT-3425

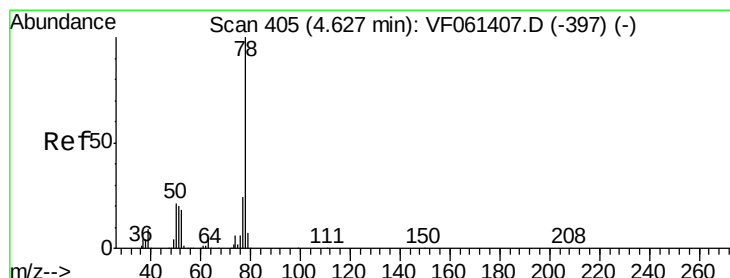
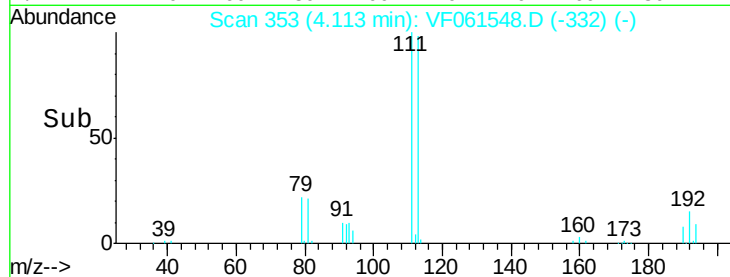
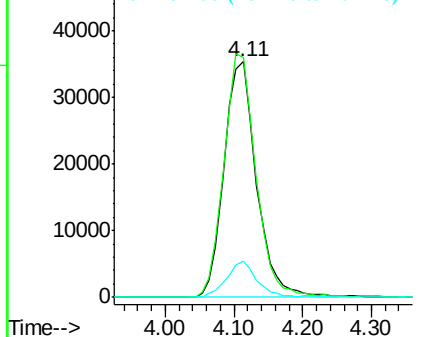
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	79.4	119.0
192	15.5	12.4	18.6

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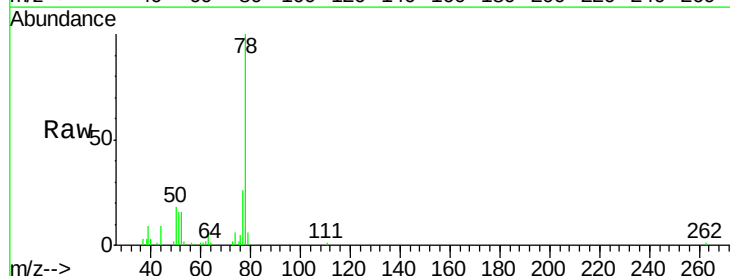


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

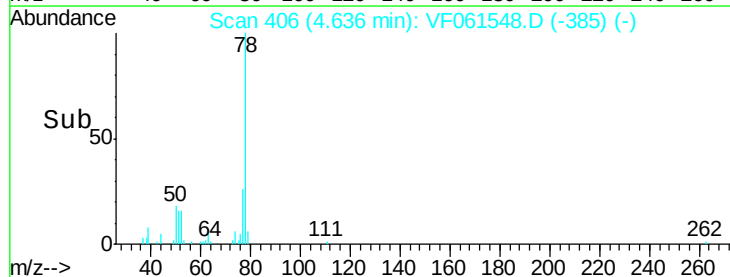
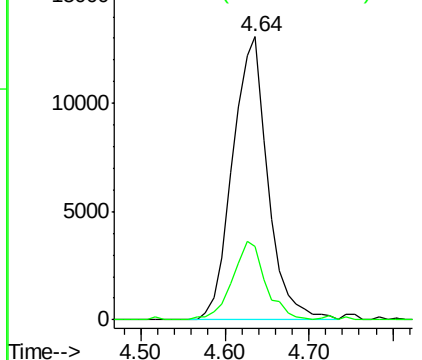


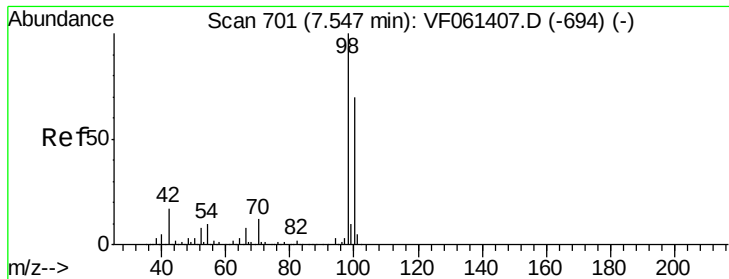
#40
Benzene
Concen: 4.633 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061548.D
Acq: 7 Feb 2019 16:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.9	19.0	28.6



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#50

Toluene-d8

Concen: 37.802 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF061548.D

Acq: 7 Feb 2019 16:44

Instrument :

MSVOA_F

ClientSampleId :

RT-3425

Tot Ion: 98 Resp: 260918

Ion Ratio Lower Upper

98 100

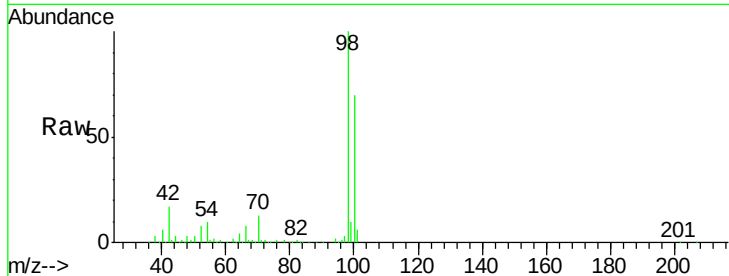
100 69.7 55.6 83.4

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Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.55

120000

100000

80000

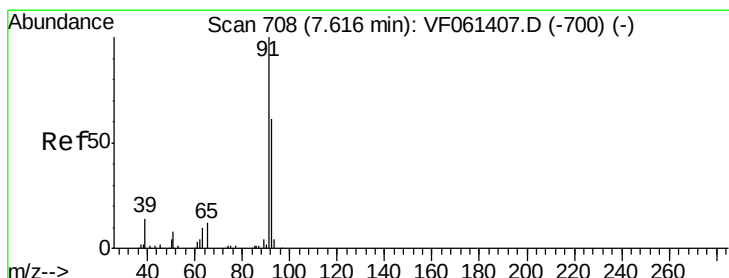
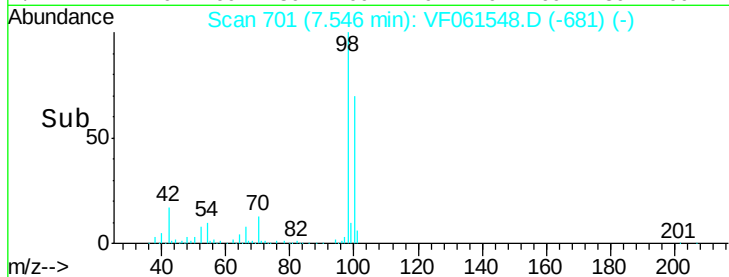
60000

40000

20000

0

Time--> 7.40 7.50 7.60 7.70



#52

Toluene

Concen: 1.856 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061548.D

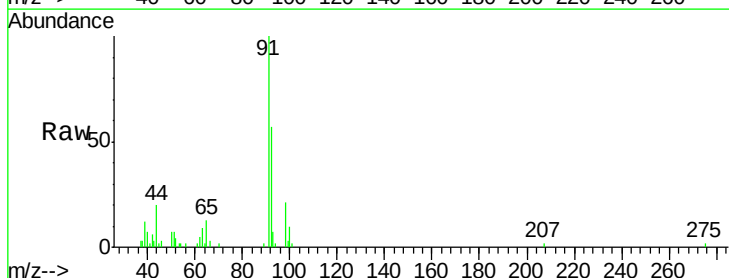
Acq: 7 Feb 2019 16:44

Tgt Ion: 92 Resp: 10065

Ion Ratio Lower Upper

92 100

91 175.1 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

8000

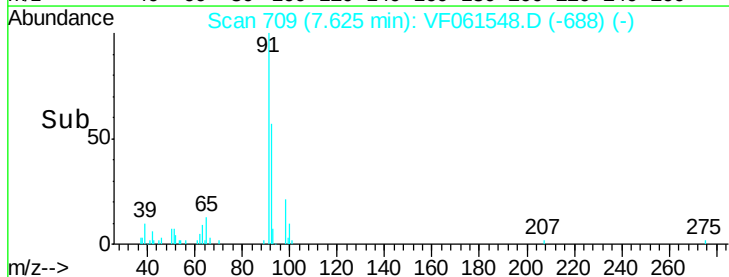
6000

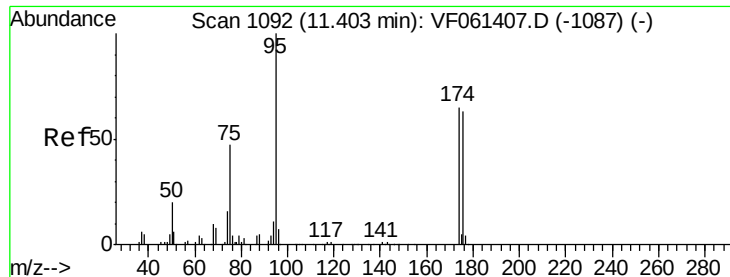
4000

2000

0

Time--> 7.50 7.60 7.70





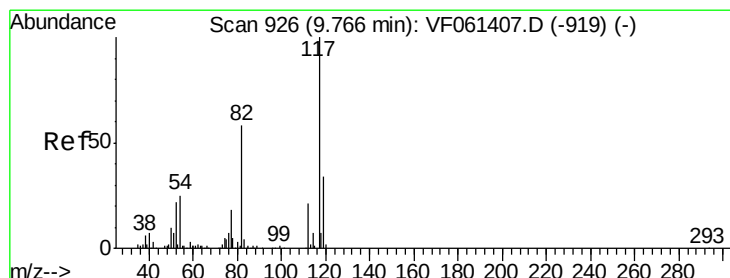
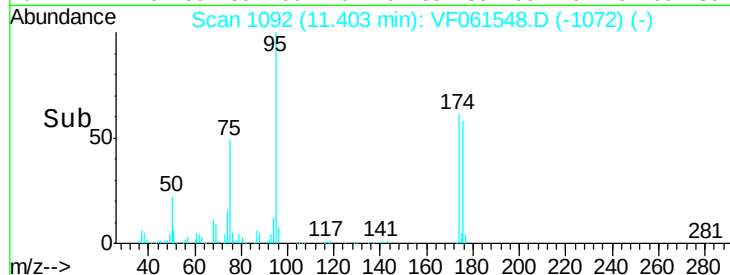
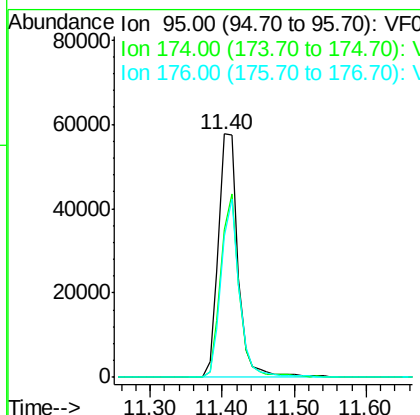
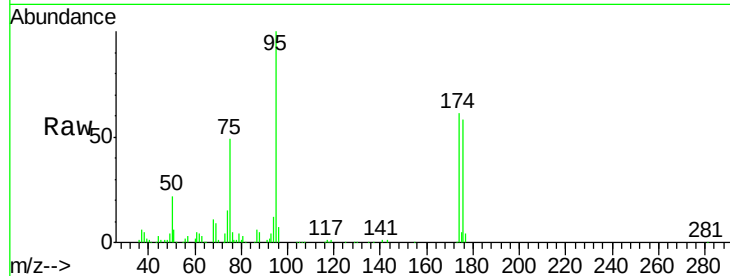
#62
4-Bromofluorobenzene
Concen: 33.855 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VF061548.D
Acq: 7 Feb 2019 16:44

Instrument :
MSVOA_F
ClientSampleId :
RT-3425

Tot Ion	Ratio	Resp	Lower	Upper
95	100	109179		
174	60.6	0.0	130.4	
176	58.3	0.0	126.2	

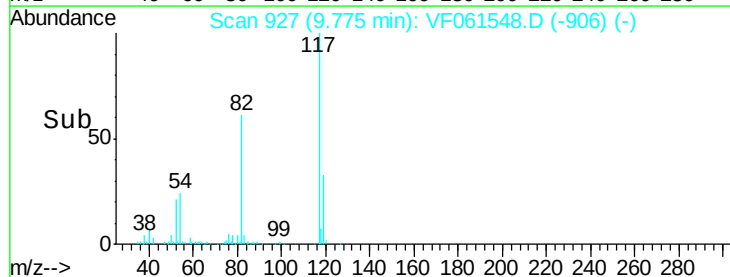
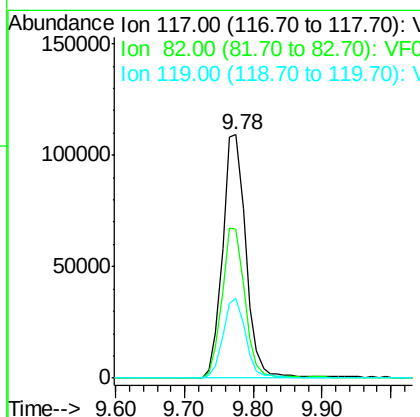
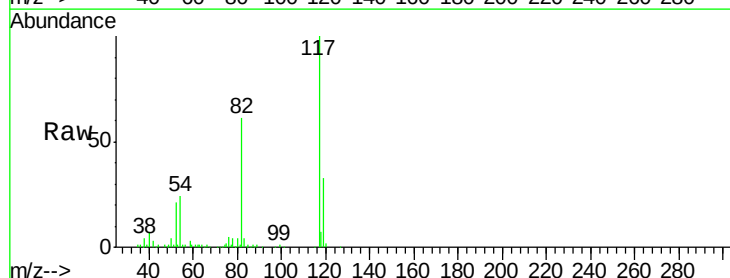
Manual Integrations
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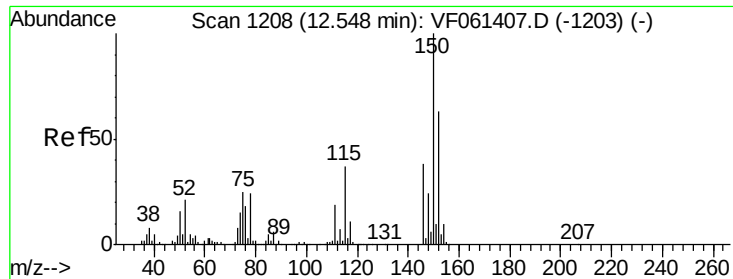
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061548.D
Acq: 7 Feb 2019 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	258562		
82	61.0	46.4	69.6	
119	32.7	27.2	40.8	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061548.D

Acq: 7 Feb 2019 16:44

Instrument :

MSVOA_F

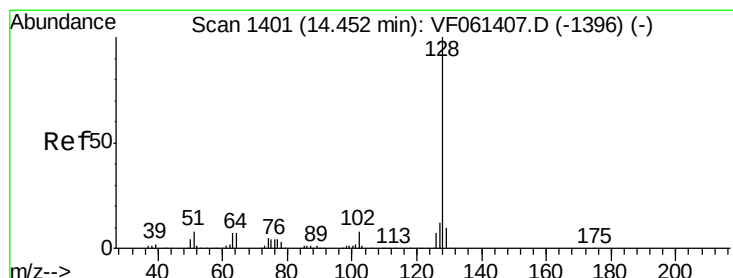
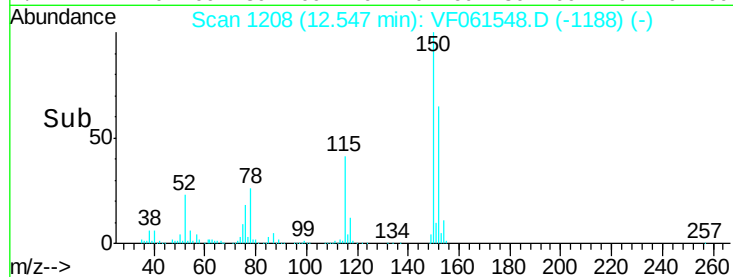
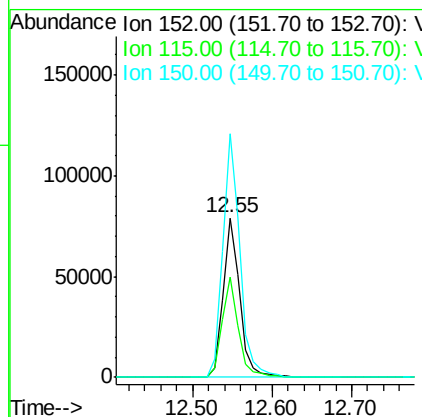
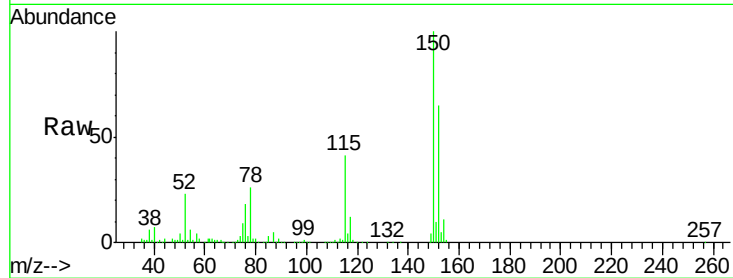
ClientSampleId :

RT-3425

Tot Ion	Ratio	Lower	Upper
152	100		
115	63.3	30.0	90.0
150	153.0	0.0	321.4

Manual Integrations
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#95

Naphthalene

Concen: 4.882 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061548.D

Acq: 7 Feb 2019 16:44

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.5	14.3
129	11.1	8.4	12.6

