

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061423.D
 Acq On : 16 Jan 2019 20:38
 Operator : VA/AP
 Sample : K1167-05RE
 Misc : 6.05g/5mL/MSVOA-F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 D-9RE

Manual Integrations
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 1/17/2019 1:24:08 PM

Quant Time: Jan 17 03:26:49 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	225694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	396957	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	350097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	162008	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	126881	45.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.06%	
35) Dibromofluoromethane	4.10	113	141449	45.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.32%	
50) Toluene-d8	7.54	98	357812	41.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.38%	
62) 4-Bromofluorobenzene	11.40	95	156494	39.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.06%	
Target Compounds						
16) Acetone	2.24	43	31815	56.914	ug/l	94
20) Methylene Chloride	2.26	84	15693m	6.750	ug/l	
25) 2-Butanone	4.33	43	9287	9.990	ug/l	98

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

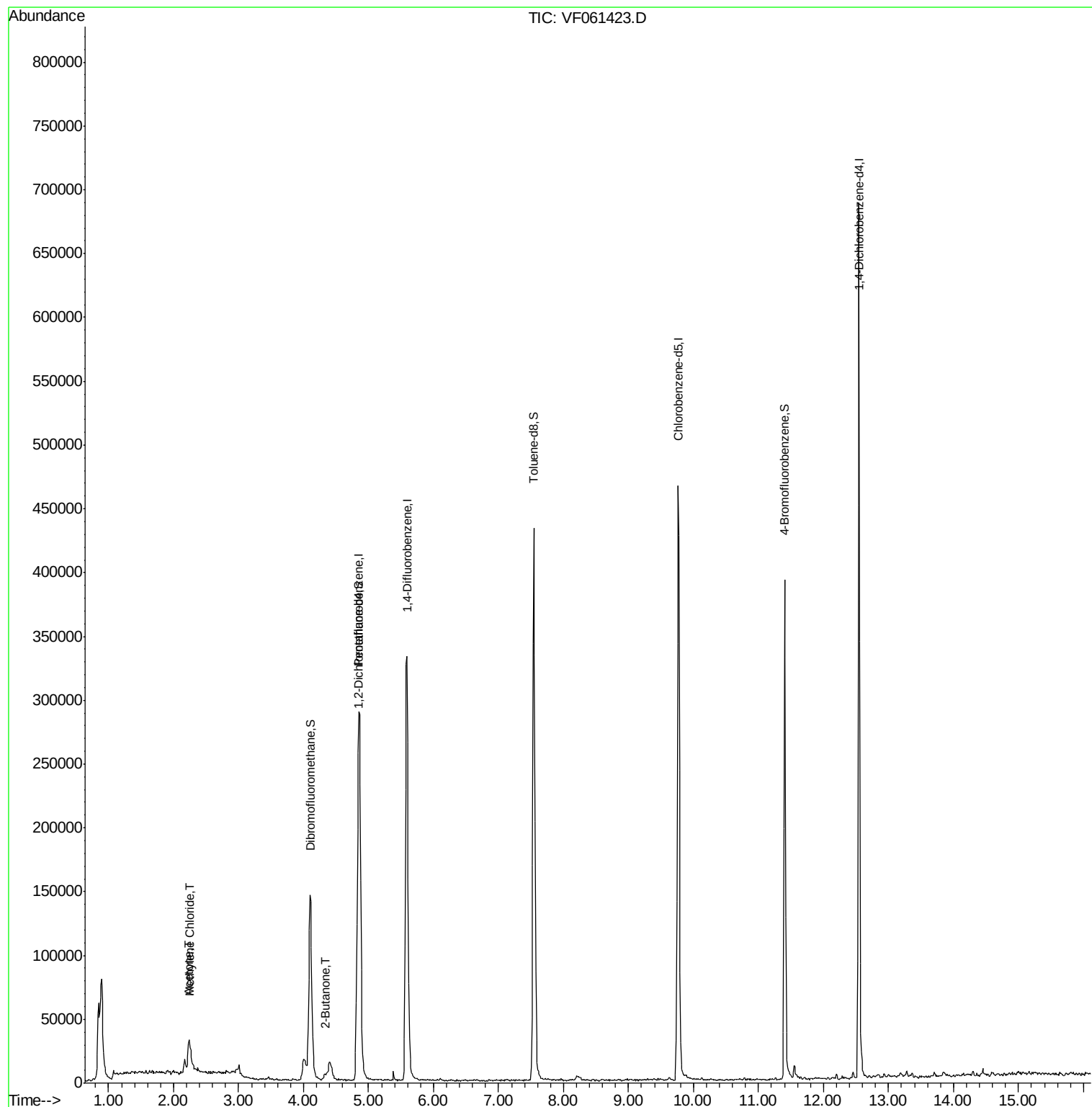
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011619\
Data File : VF061423.D
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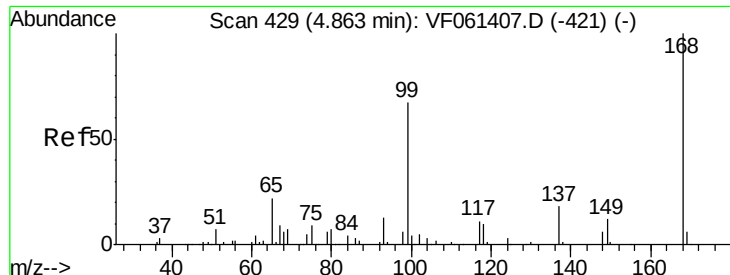
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

D-9RE

Tot Ion:168 Resp: 225694

Ion Ratio Lower Upper

168 100

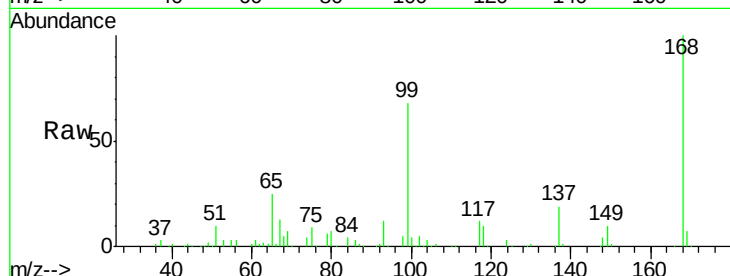
99 68.1 53.5 80.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

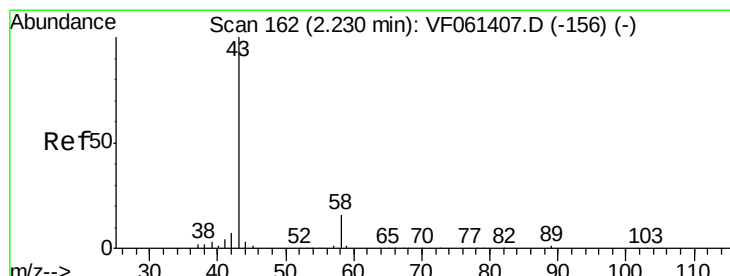
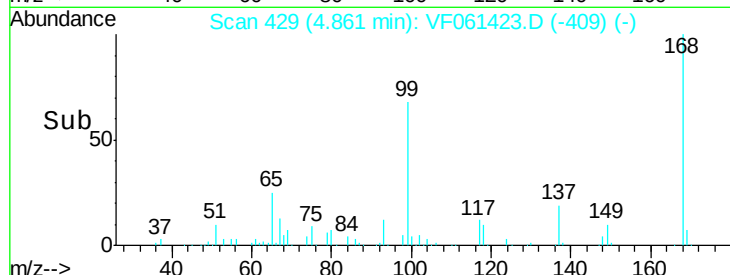
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 56.914 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061423.D

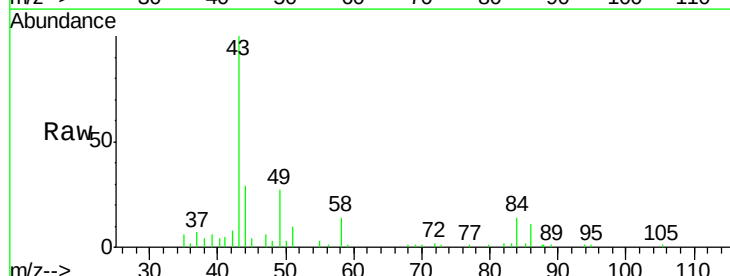
Acq: 16 Jan 2019 20:38

Tgt Ion: 43 Resp: 31815

Ion Ratio Lower Upper

43 100

58 14.2 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

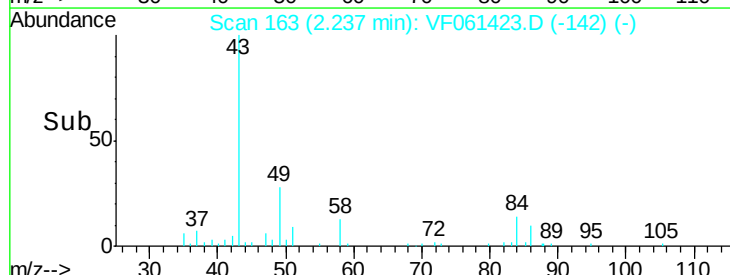
2.24

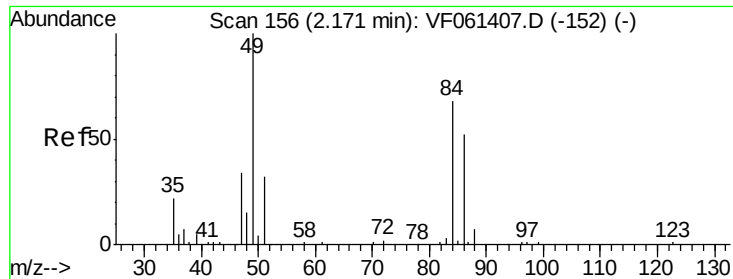
10000

5000

0

Time-->





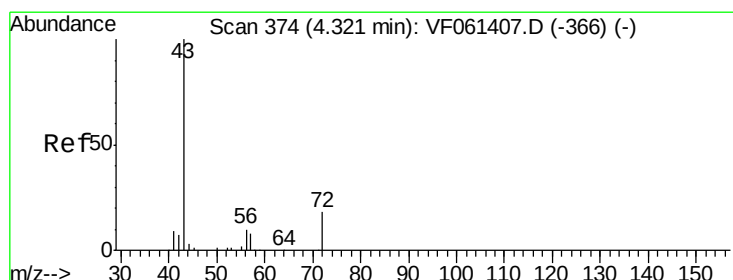
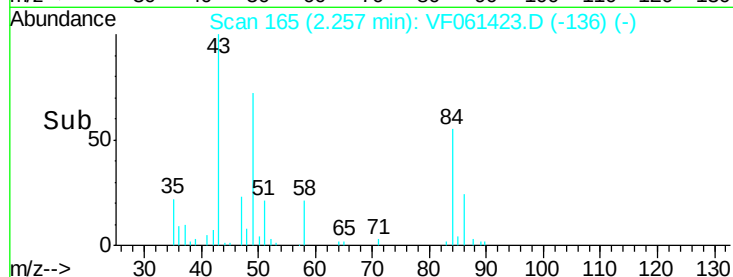
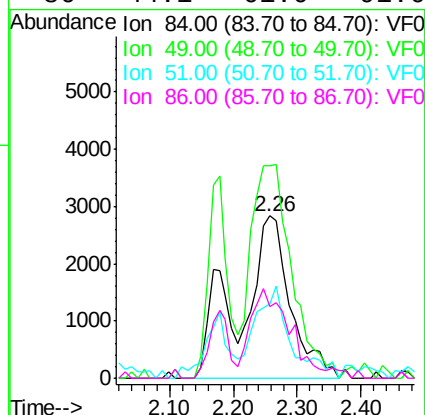
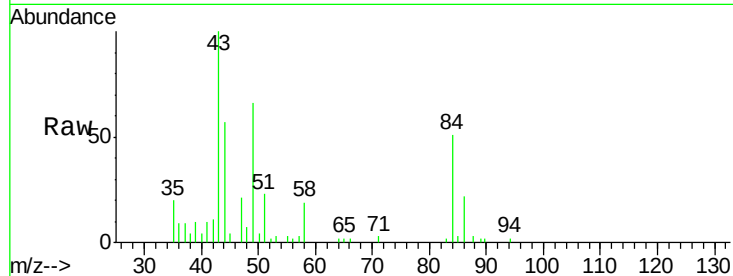
#20
Methvlene Chloride
Concen: 6.750 ug/l m
RT: 2.26 min Scan# 165
Delta R.T. 0.09 min
Lab File: VF061423.D
Acq: 16 Jan 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
D-9RE

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	130.8	120.0	180.0	
51	46.2	38.6	58.0	
86	44.1	61.0	91.6	

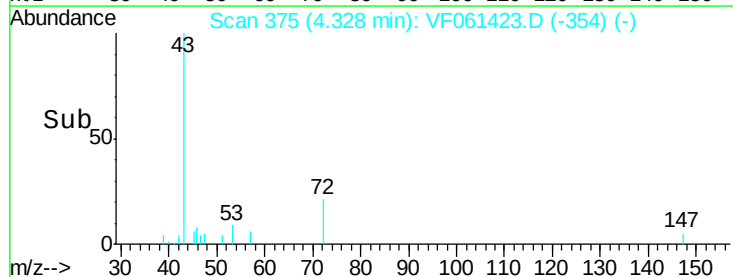
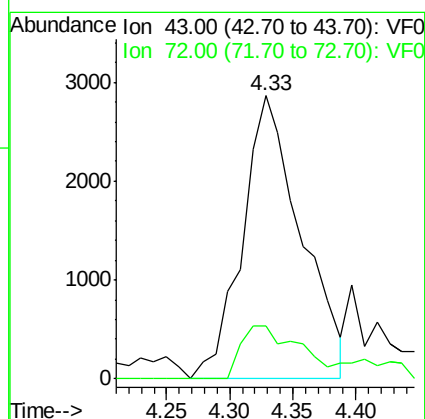
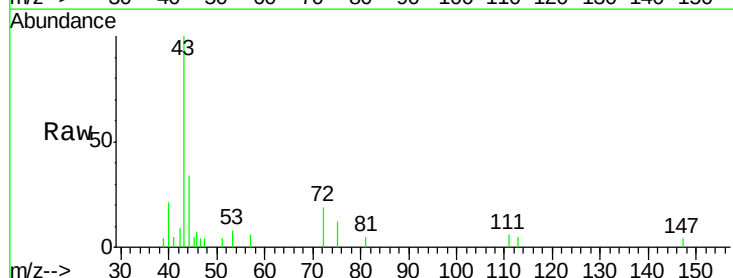
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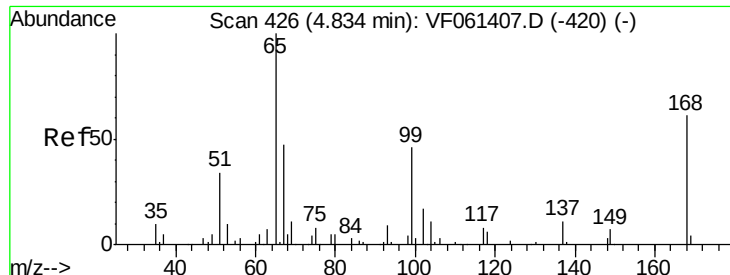
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#25
2-Butanone
Concen: 9.990 ug/l
RT: 4.33 min Scan# 375
Delta R.T. 0.01 min
Lab File: VF061423.D
Acq: 16 Jan 2019 20:38

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
72	18.8	15.8	23.6	





#33

1,2-Dichloroethane-d4

Concen: 45.534 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

Tot Ion: 65 Resp: 126881

Ion Ratio Lower Upper

65 100

67 48.0 0.0 99.8

Instrument :

MSVOA_F

ClientSampled :

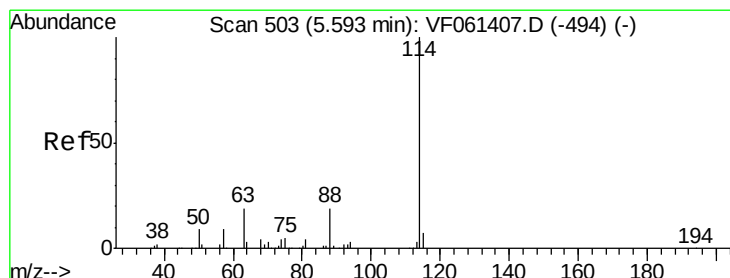
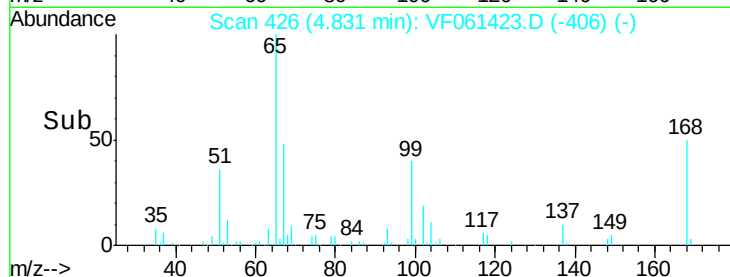
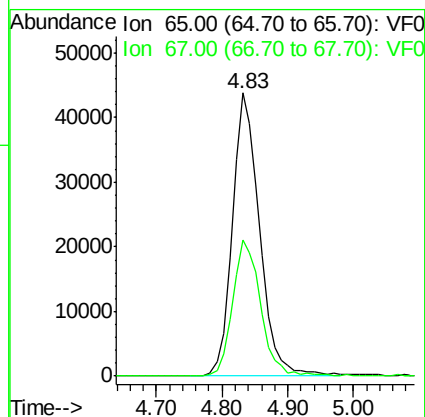
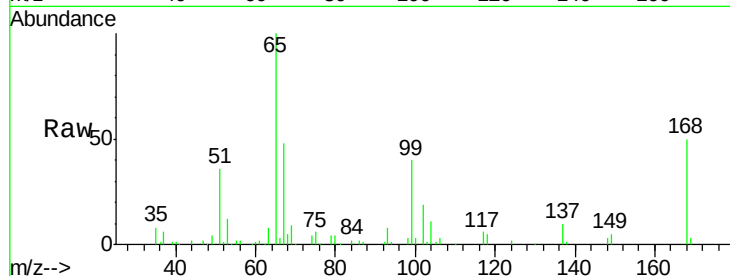
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

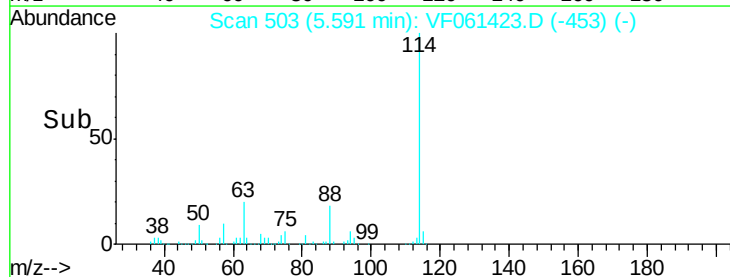
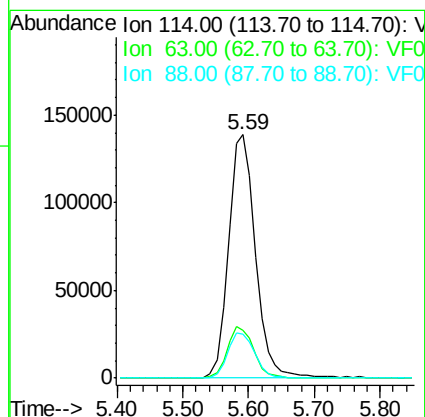
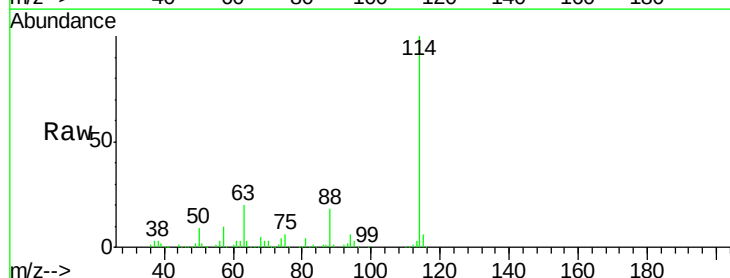
Tgt Ion: 114 Resp: 396957

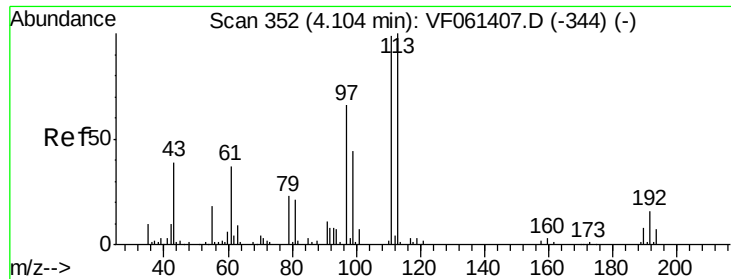
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

88 18.1 0.0 37.4





#35

Dibromofluoromethane

Concen: 45.158 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

Instrument :

MSVOA_F

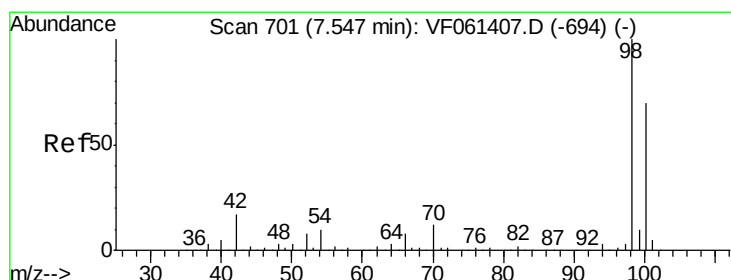
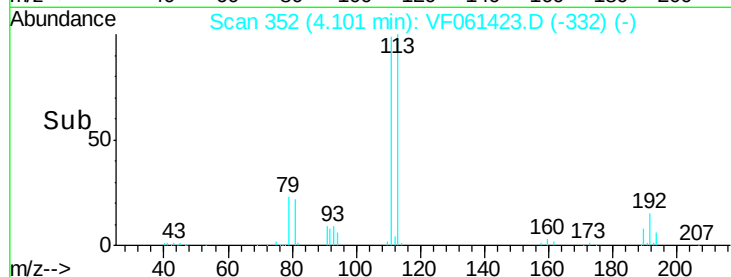
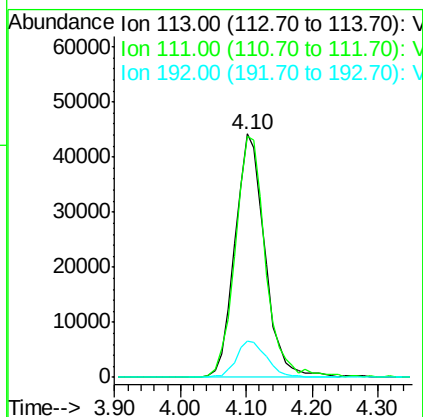
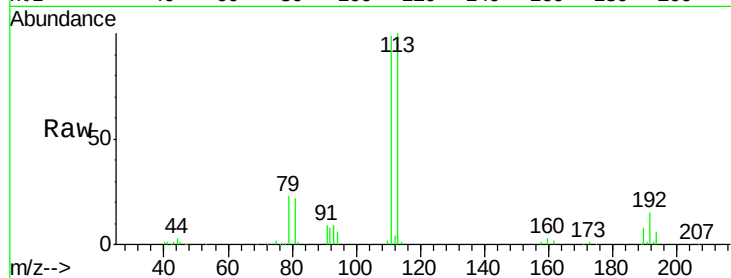
ClientSampleId :

D-9RE

Tot Ion:	113	Resp:	141449
Ion Ratio	Lower	Upper	
113	100		
111	99.1	79.4	119.0
192	15.4	12.4	18.6

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#50

Toluene-d8

Concen: 41.693 ug/l

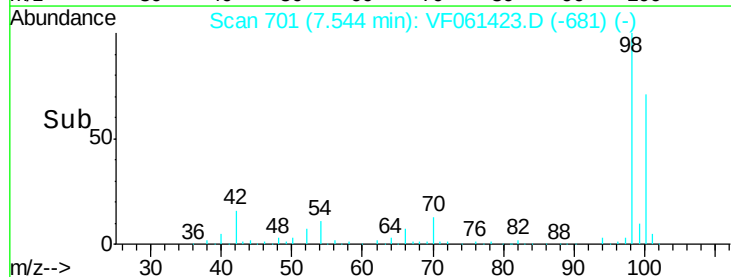
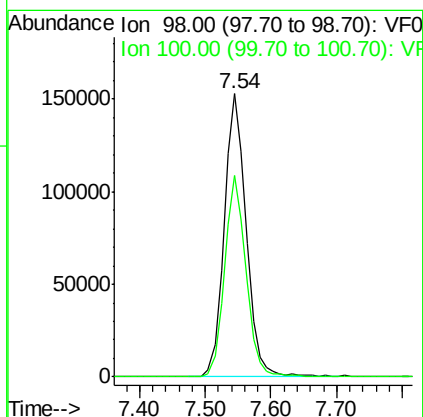
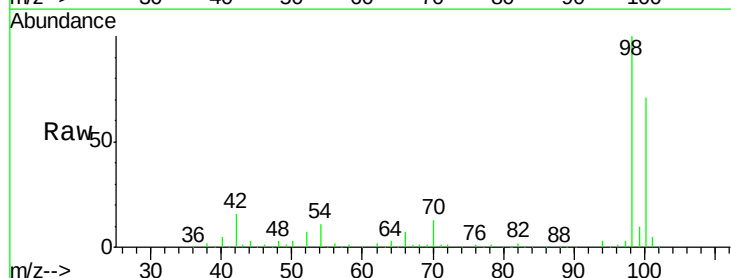
RT: 7.54 min Scan# 701

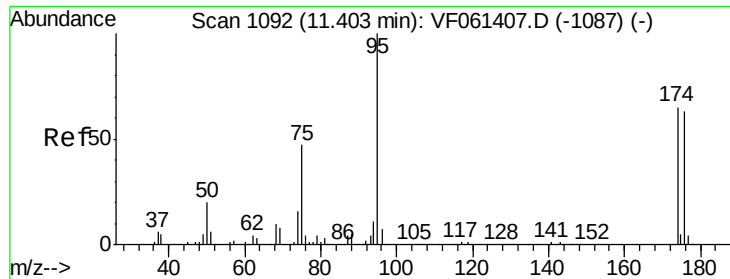
Delta R.T. -0.00 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

Tgt Ion:	98	Resp:	357812
Ion Ratio	Lower	Upper	
98	100		
100	71.3	55.6	83.4





#62

4-Bromofluorobenzene

Concen: 39.028 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

Instrument :

MSVOA_F

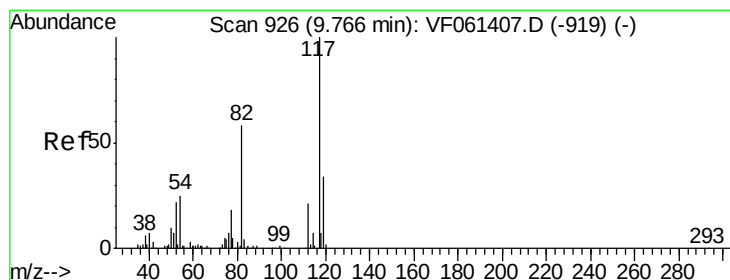
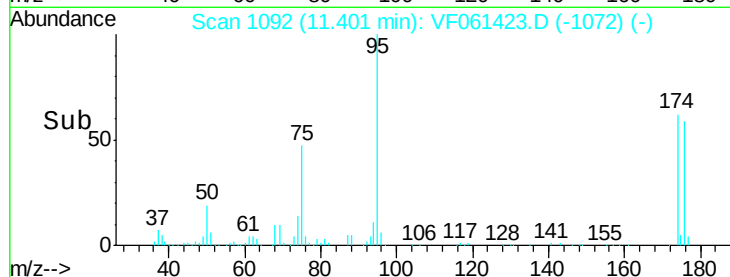
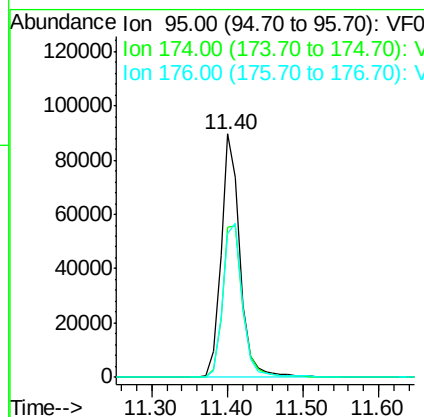
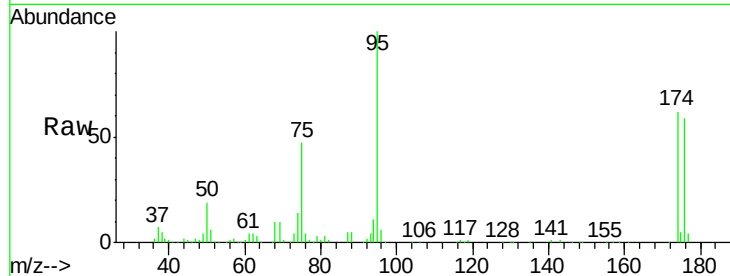
ClientSampled :

D-9RE

Tot Ion:	95	Resp:	156494
Ion Ratio	Lower	Upper	
95	100		
174	61.7	0.0	130.4
176	59.3	0.0	126.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

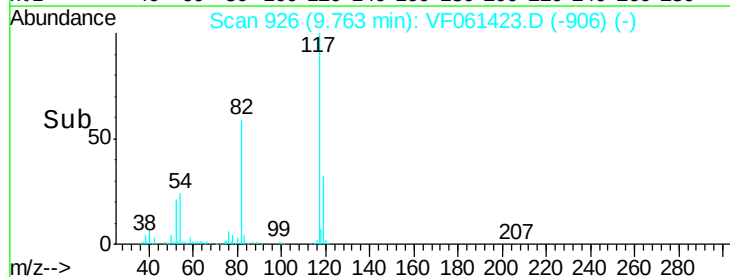
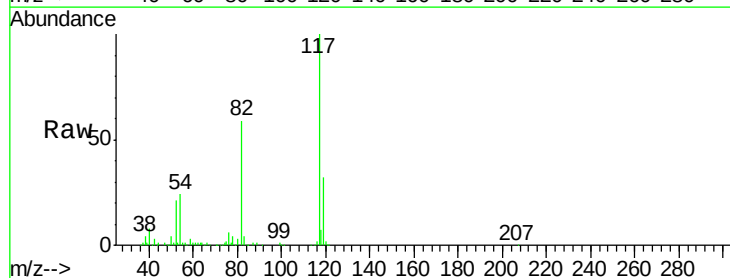
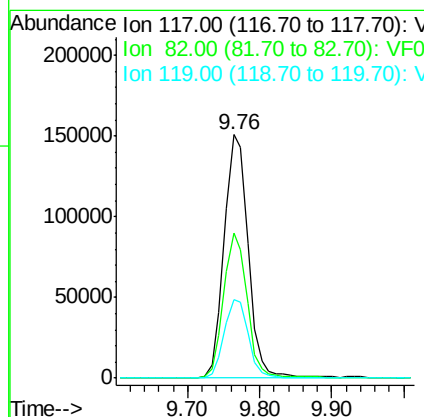
RT: 9.76 min Scan# 926

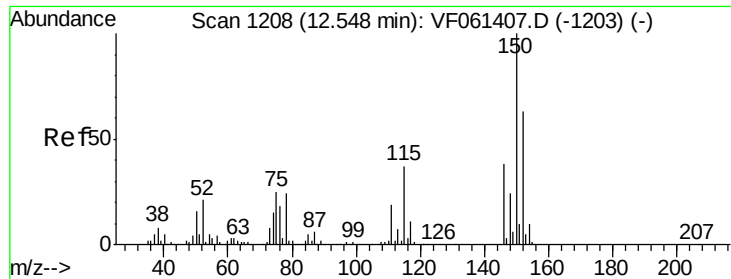
Delta R.T. -0.00 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

Tgt Ion:	117	Resp:	350097
Ion Ratio	Lower	Upper	
117	100		
82	59.4	46.4	69.6
119	32.3	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: VF061423.D
 Acq: 16 Jan 2019 20:38

Instrument :
 MSVOA_F
 ClientSampleId :
 D-9RE

Tot Ion	Ratio	Resp	Lower	Upper
152	100	162008		
115	64.3		30.0	90.0
150	158.3		0.0	321.4

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