

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
 Data File : VF061636.D
 Acq On : 14 Feb 2019 13:10
 Operator : VA/AP
 Sample : K1345-01RE
 Misc : 6.78g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HD-02-021119RE

Manual Integrations
 APPROVED

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 2/18/2019 12:11:38 AM

Quant Time: Feb 15 01:21:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	365013	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	547152	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	457978	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	225803	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	118364	44.22	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.44%	
35) Dibromofluoromethane	4.10	113	178649	43.97	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.94%	
50) Toluene-d8	7.55	98	443799	37.99	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	75.98%	
62) 4-Bromofluorobenzene	11.41	95	175804	37.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.40%	
Target Compounds						
16) Acetone	2.23	43	19111	33.277	ug/l	97
20) Methylene Chloride	2.18	84	28442m	7.079	ug/l	
51) 4-Methyl-2-Pentanone	8.27	43	4095	1.923	ug/l	91
59) 2-Hexanone	9.50	43	3369	2.257	ug/l	72
95) Naphthalene	14.45	128	19355	2.096	ug/l #	89

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

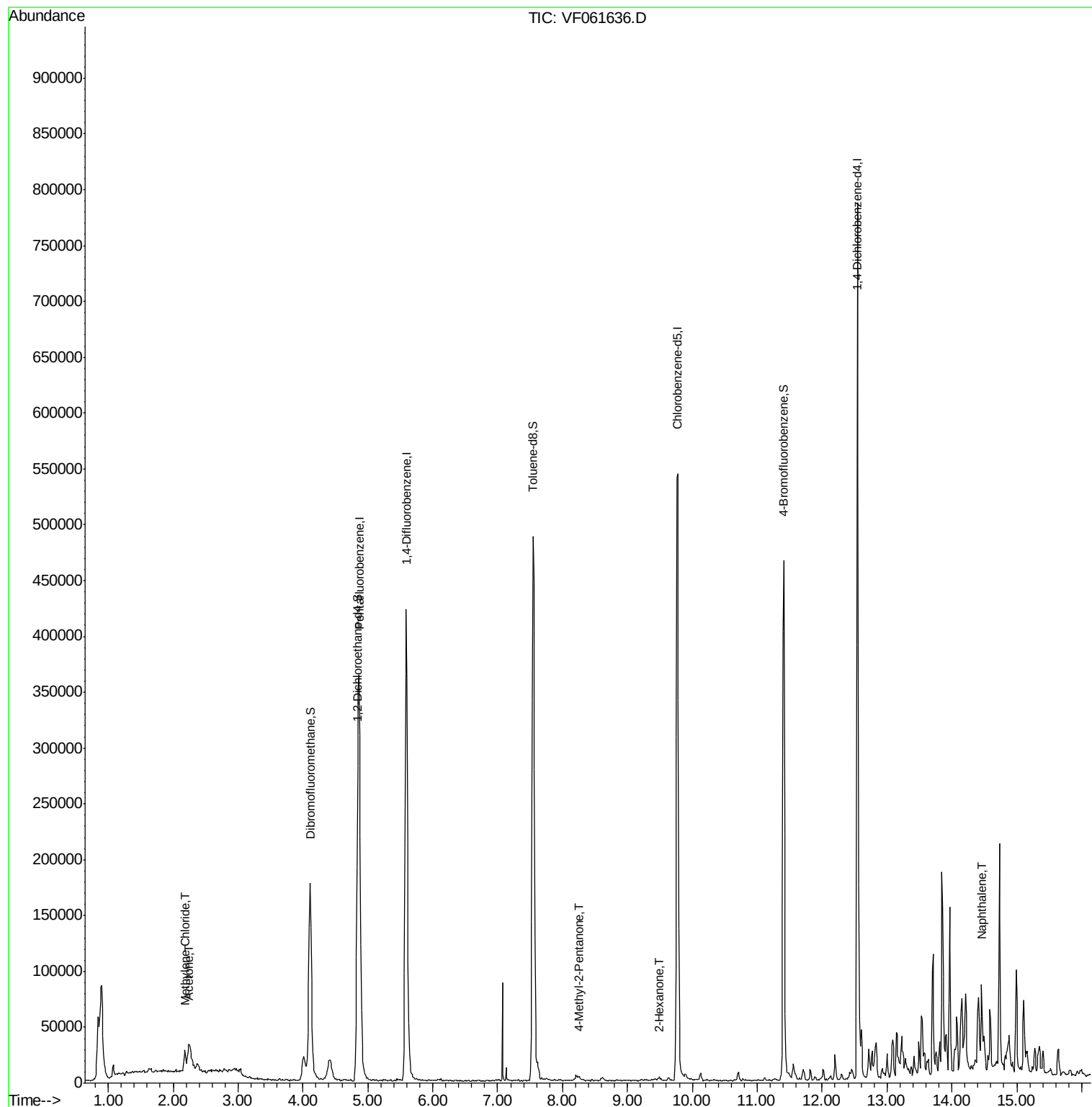
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
Data File : VF061636.D
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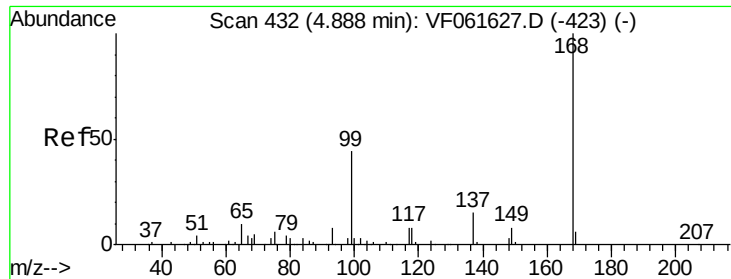
Instrument :
MSVOA_F
ClientSampleId :
HD-02-021119RE

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Quant Time: Feb 15 01:21:26 2019
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 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: VF061636.D

Acq: 14 Feb 2019 13:10

Instrument :

MSVOA_F

ClientSampleId :

HD-02-021119RE

Tgt Ion: 168 Resp: 365013

Ion Ratio Lower Upper

168 100

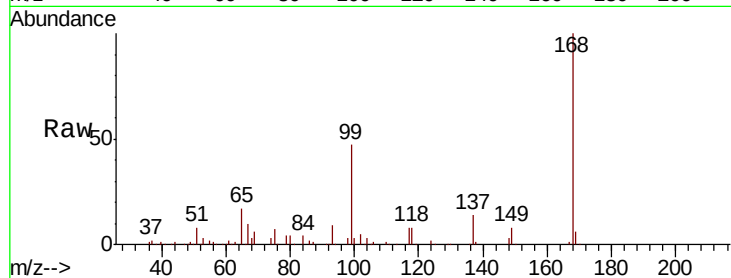
99 47.0 34.9 52.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

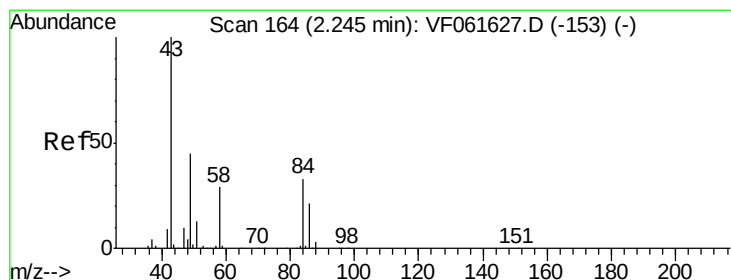
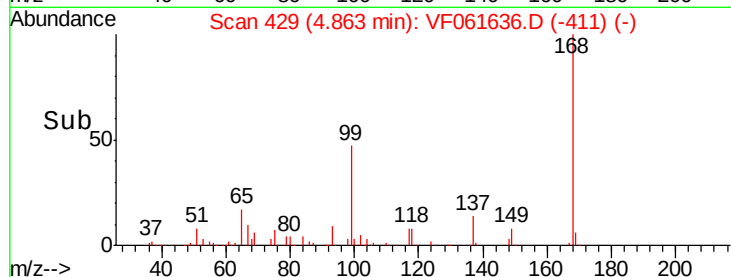
4.86

100000

50000

0

Time-->



#16

Acetone

Concen: 33.277 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061636.D

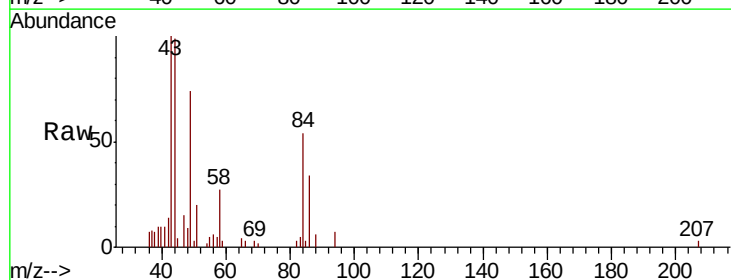
Acq: 14 Feb 2019 13:10

Tgt Ion: 43 Resp: 19111

Ion Ratio Lower Upper

43 100

58 26.8 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

6000

5000

4000

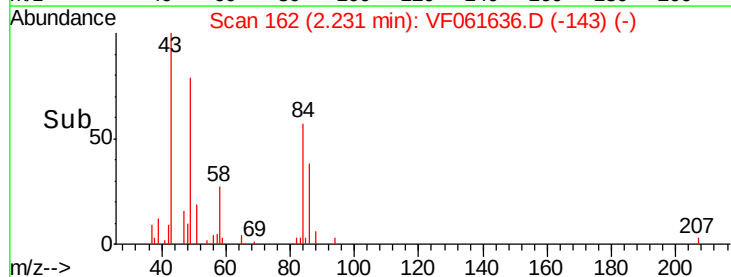
3000

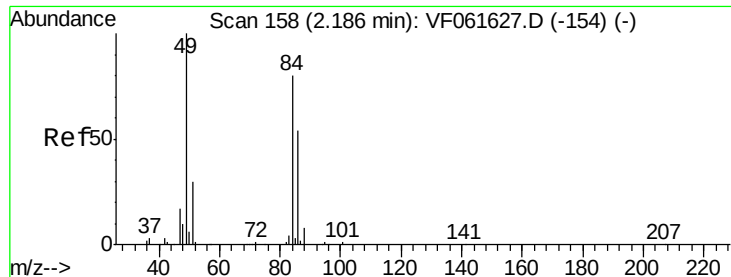
2000

1000

0

Time-->





#20

Methylene Chloride

Concen: 7.079 ug/l m

RT: 2.18 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF061636.D

Acq: 14 Feb 2019 13:10

Instrument :

MSVOA_F

ClientSampleId :

HD-02-021119RE

Tgt Ion: 84 Resp: 28442

Ion Ratio Lower Upper

84 100

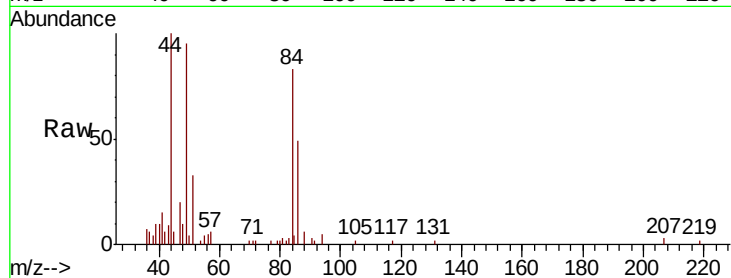
49 114.7 101.8 152.8

51 40.3 31.1 46.7

86 59.1 54.4 81.6

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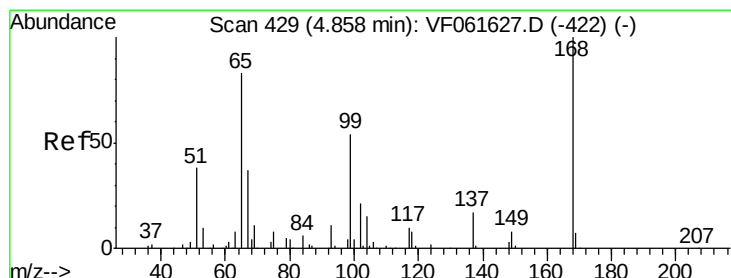
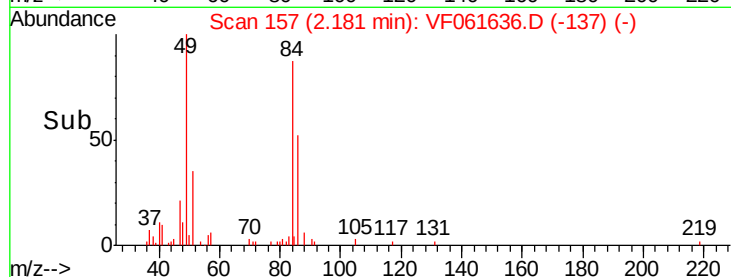
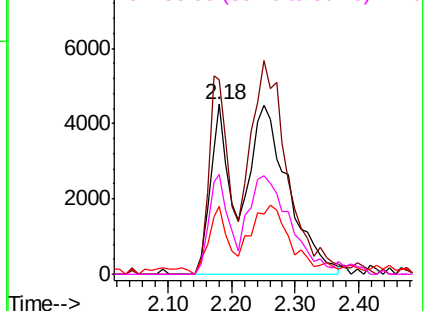


Abundance Ion 84.00 (83.70 to 84.70): VF0

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: 44.220 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061636.D

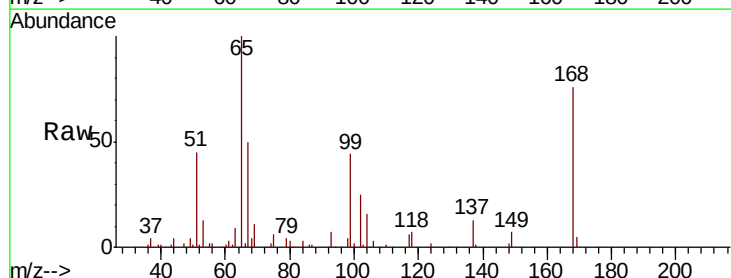
Acq: 14 Feb 2019 13:10

Tgt Ion: 65 Resp: 118364

Ion Ratio Lower Upper

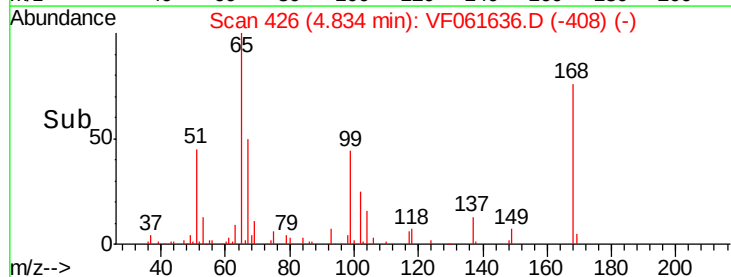
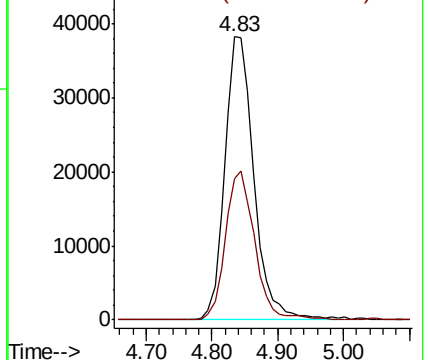
65 100

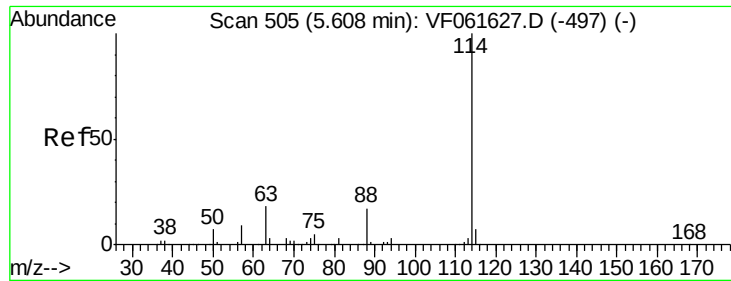
67 50.1 0.0 104.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF061636.D

Acq: 14 Feb 2019 13:10

Instrument :

MSVOA_F

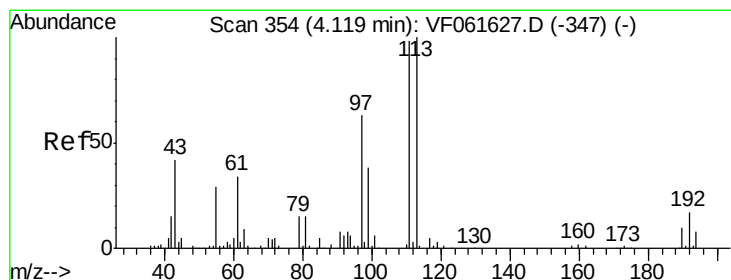
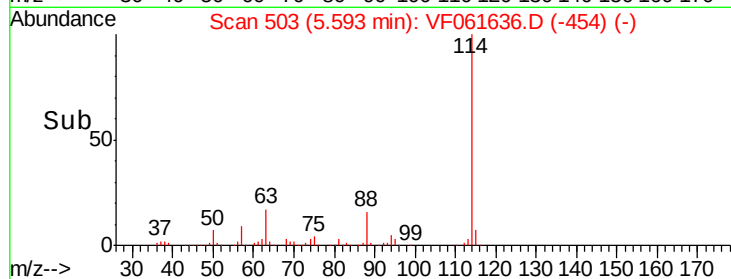
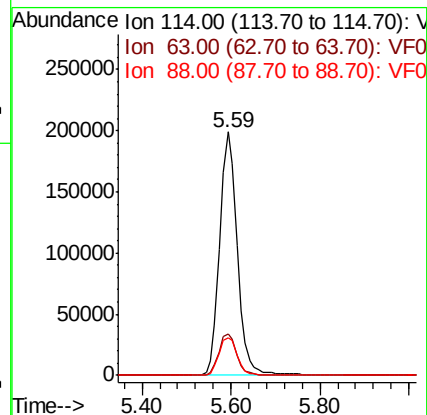
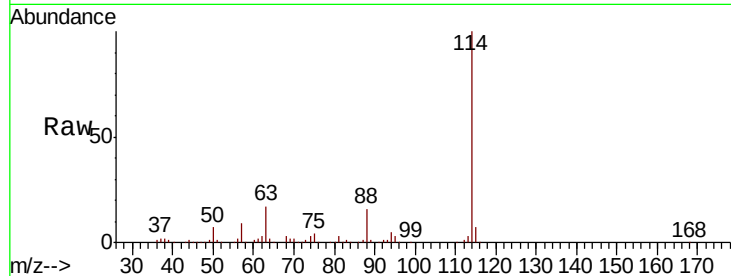
ClientSampleId :

HD-02-021119RE

Tgt Ion:	114	Resp:	547152
Ion Ratio	Lower	Upper	
114	100		
63	17.2	0.0	36.6
88	15.7	0.0	34.4

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#35

Dibromofluoromethane

Concen: 43.968 ug/l

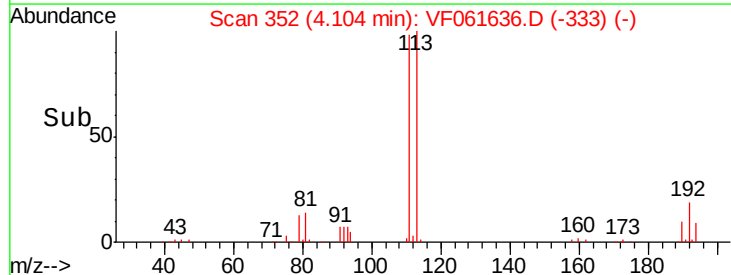
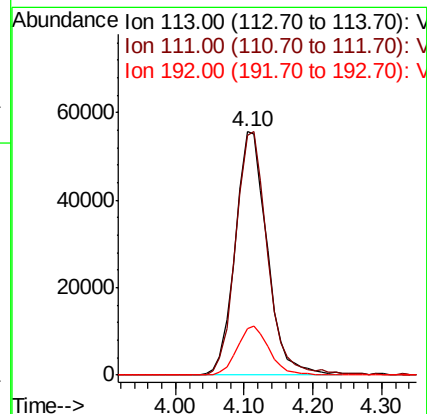
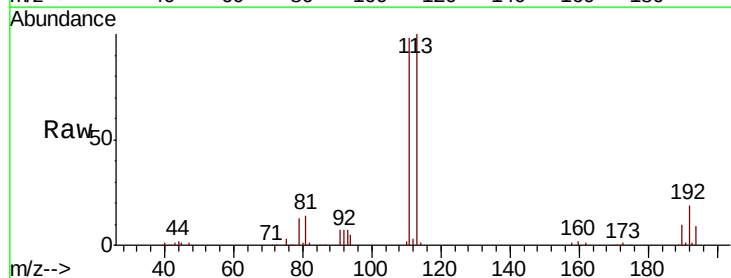
RT: 4.10 min Scan# 352

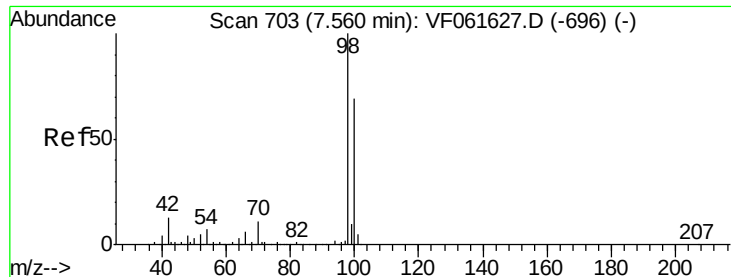
Delta R.T. -0.01 min

Lab File: VF061636.D

Acq: 14 Feb 2019 13:10

Tgt Ion:	113	Resp:	178649
Ion Ratio	Lower	Upper	
113	100		
111	98.5	78.8	118.2
192	19.1	13.4	20.0





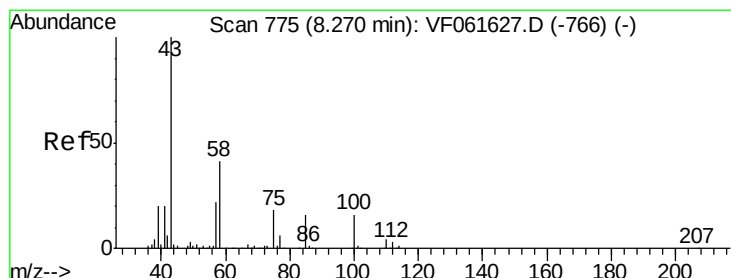
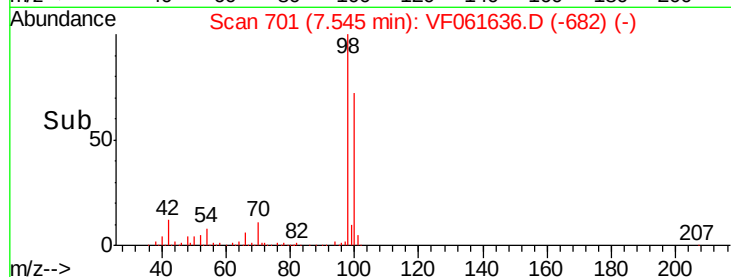
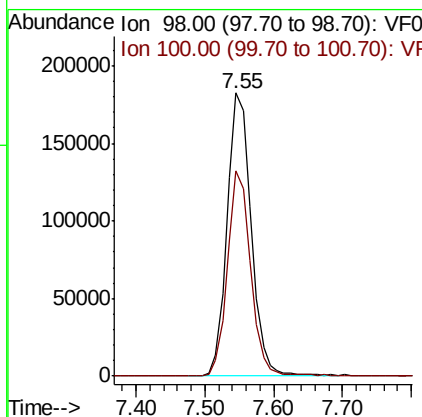
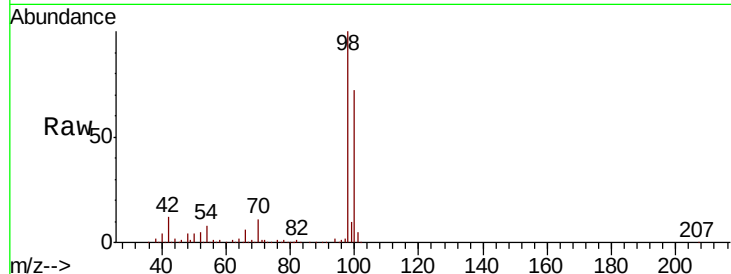
#50
Toluene-d8
Concen: 37.995 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

Instrument :
MSVOA_F
ClientSampleId :
HD-02-021119RE

Tgt Ion: 98 Resp: 443799
Ion Ratio Lower Upper
98 100
100 72.5 55.4 83.2

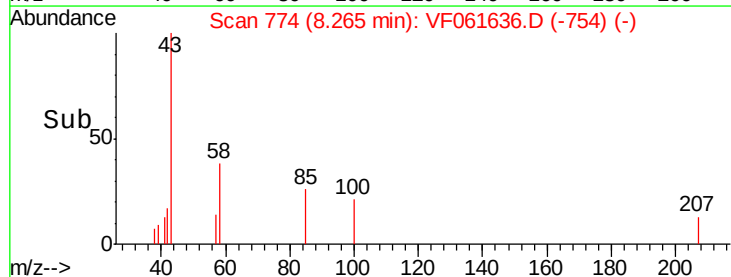
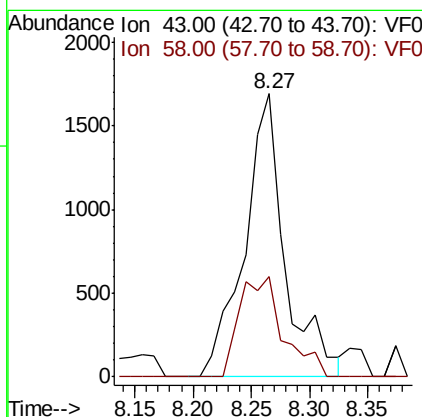
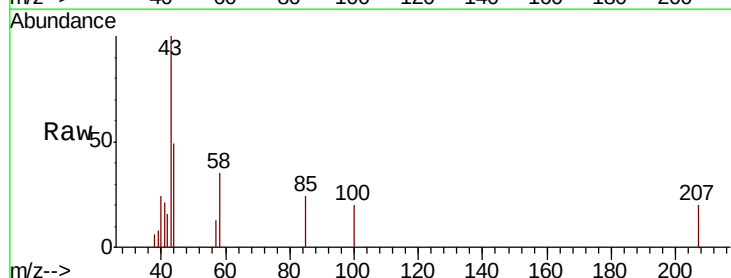
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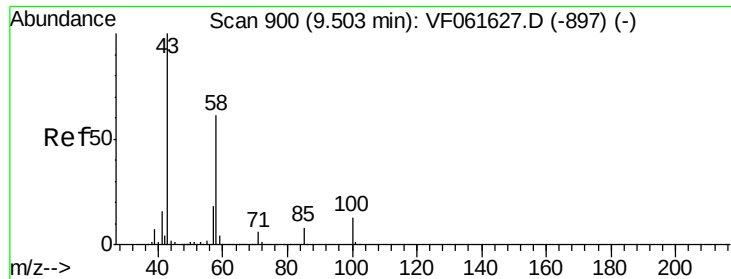
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#51
4-Methyl-2-Pentanone
Concen: 1.923 ug/l
RT: 8.27 min Scan# 774
Delta R.T. -0.00 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

Tgt Ion: 43 Resp: 4095
Ion Ratio Lower Upper
43 100
58 35.5 33.1 49.7





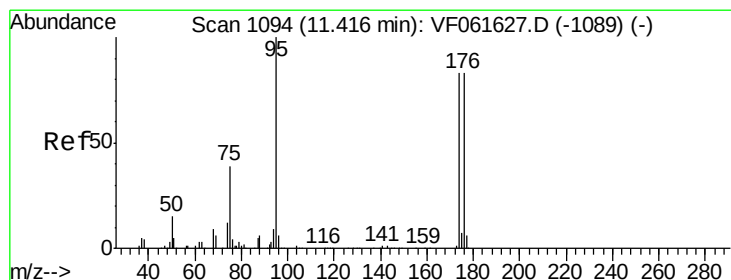
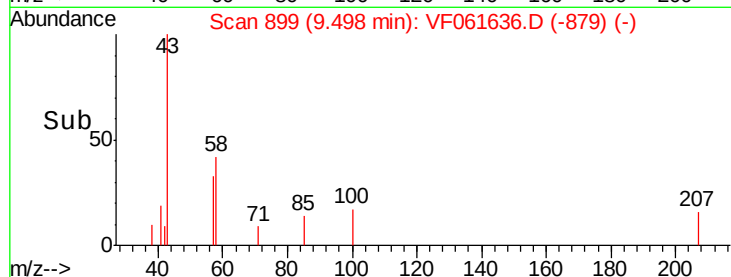
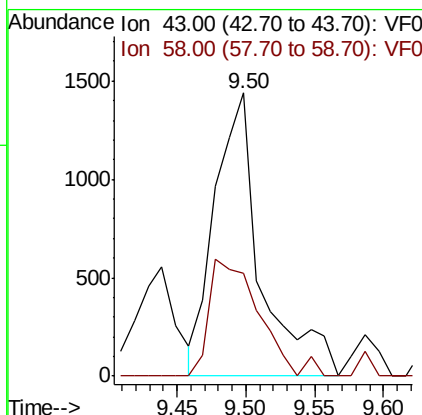
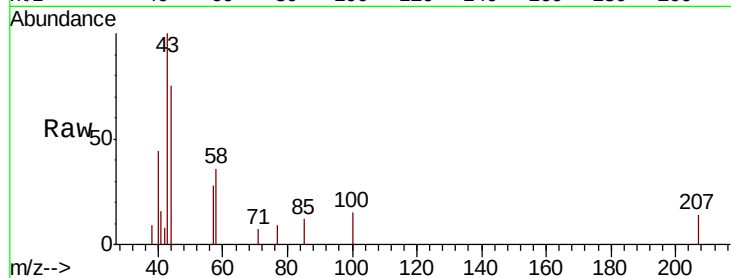
#59
2-Hexanone
Concen: 2.257 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

Instrument :
MSVOA_F
ClientSampleId :
HD-02-021119RE

Tgt Ion: 43 Resp: 3369
Ion Ratio Lower Upper
43 100
58 36.2 28.5 85.5

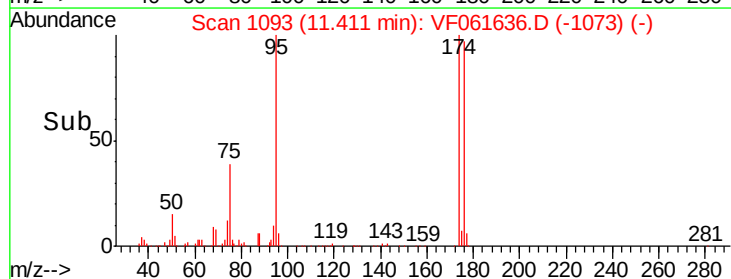
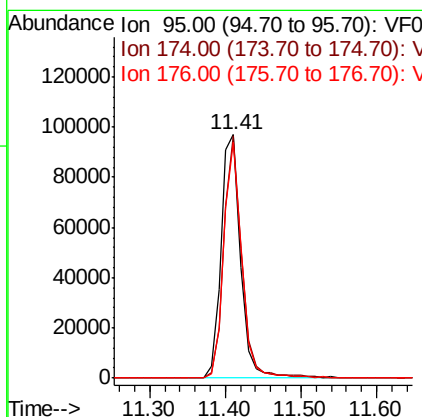
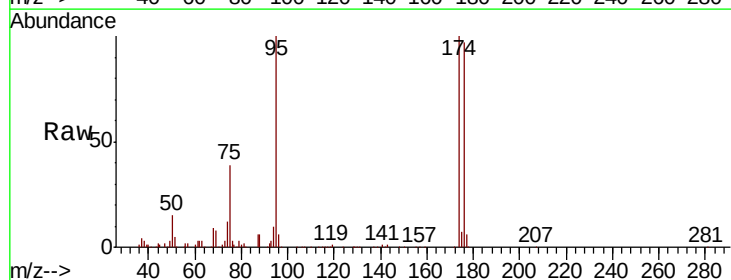
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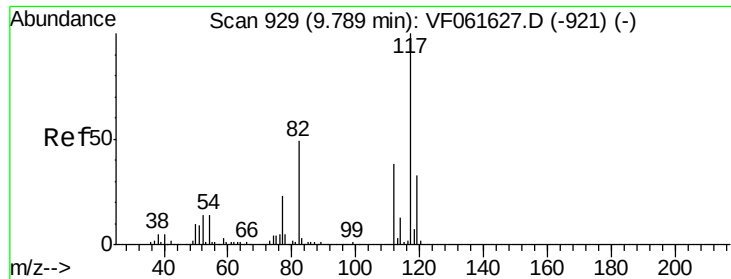
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#62
4-Bromofluorobenzene
Concen: 37.198 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

Tgt Ion: 95 Resp: 175804
Ion Ratio Lower Upper
95 100
174 99.8 0.0 165.8
176 97.0 0.0 167.0





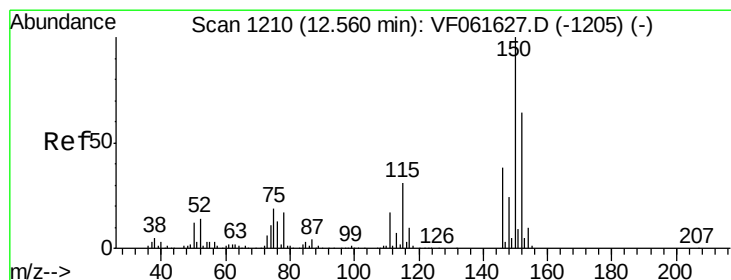
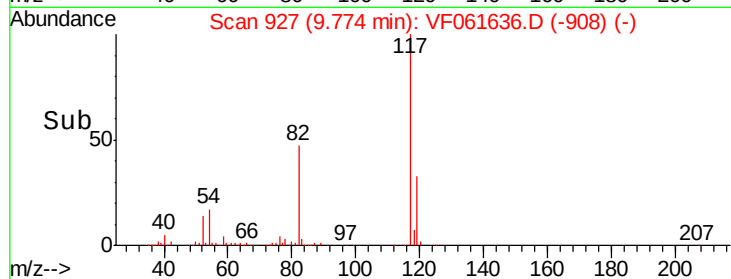
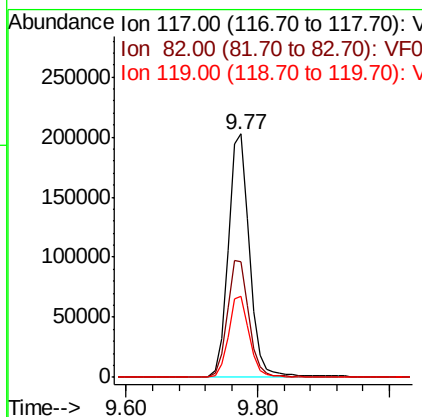
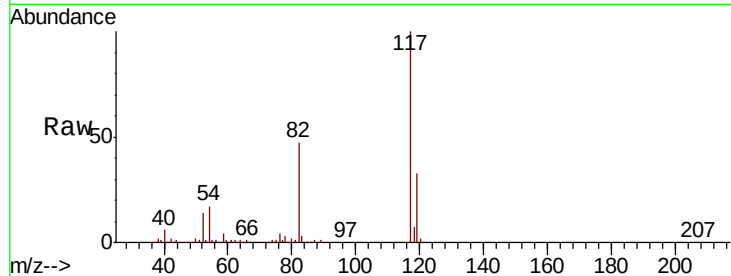
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

Instrument :
MSVOA_F
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Tgt Ion	Ratio	Resp	Lower	Upper
117	100	457978		
82	47.3	39.3	58.9	
119	33.5	26.6	40.0	

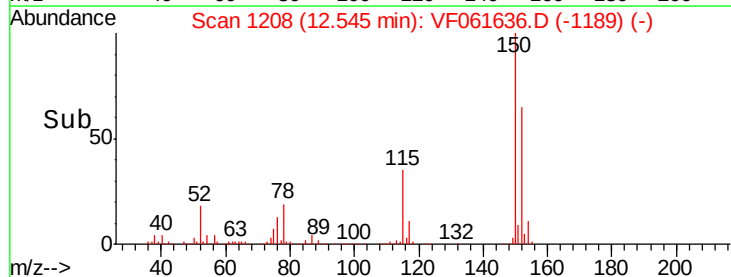
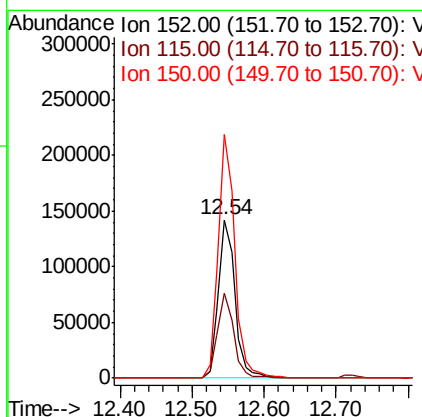
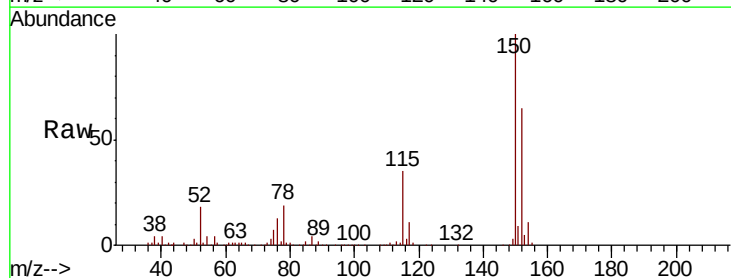
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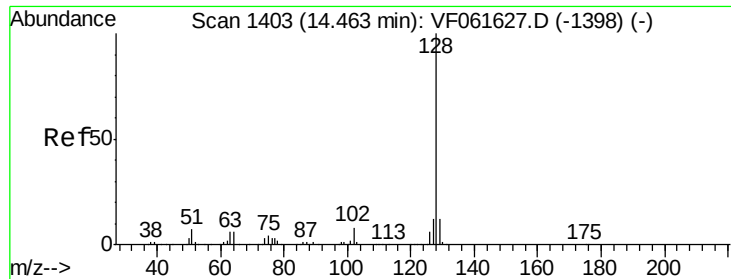
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	225803		
115	54.0	24.3	72.8	
150	154.3	0.0	312.0	





#95
 Naphthalene
 Concen: 2.096 ug/l
 RT: 14.45 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: VF061636.D
 Acq: 14 Feb 2019 13:10

Instrument :
 MSVOA_F
 ClientSampleId :
 HD-02-021119RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	14.1	9.8	14.6
129	18.2	9.4	14.2#

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