

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122718\
 Data File : VF061214.D
 Acq On : 27 Dec 2018 18:07
 Operator : VA/AP
 Sample : J6473-02
 Misc : 7.15g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0637

Manual Integrations
 APPROVED

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 12/28/2018 9:38:45 AM

Quant Time: Dec 28 09:53:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	203531	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	371017	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	358418	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	192060	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	143176	54.69	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	109.38%	
35) Dibromofluoromethane	4.09	113	158849	53.45	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.90%	
50) Toluene-d8	7.53	98	396020	47.02	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	94.04%	
62) 4-Bromofluorobenzene	11.40	95	198862	51.22	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.44%	
Target Compounds						
20) Methylene Chloride	2.23	84	16708m	6.042	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	9770	5.091	ug/l	92
27) cis-1,2-Dichloroethene	3.46	96	18861	6.420	ug/l	88

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

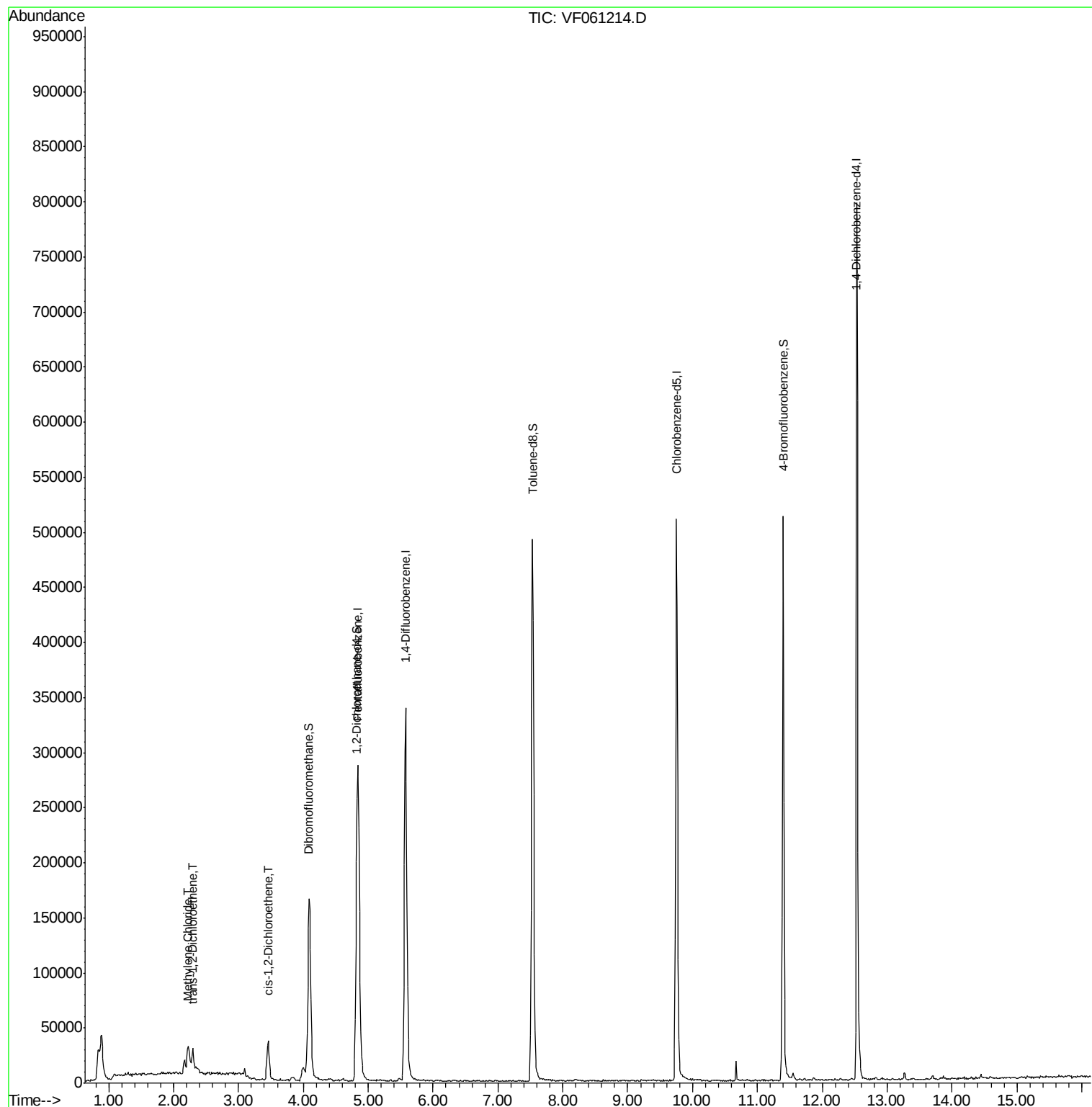
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF122718\
Data File : VF061214.D
Acq On : 27 Dec 2018 18:07
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061214.D

Acq: 27 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

S32-0637

Tot Ion:168 Resp: 203531

Ion Ratio Lower Upper

168 100

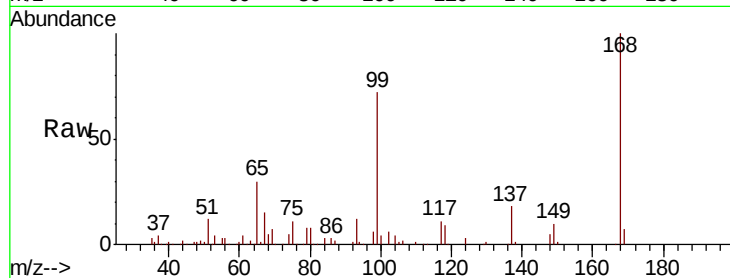
99 71.9 54.4 81.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

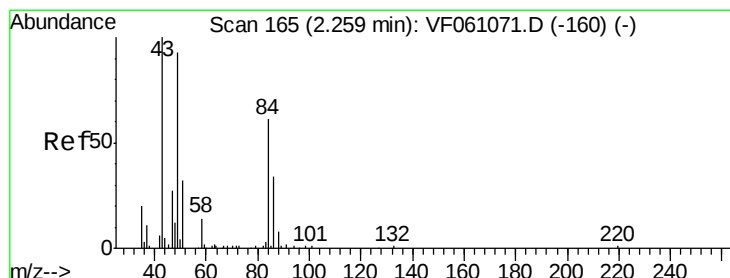
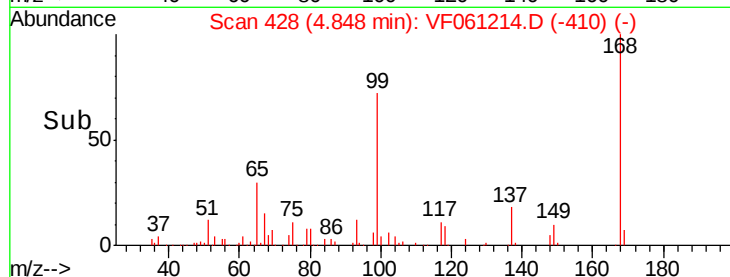
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#20

Methylene Chloride

Concen: 6.042 ug/l m

RT: 2.23 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF061214.D

Acq: 27 Dec 2018 18:07

Tgt Ion: 84 Resp: 16708

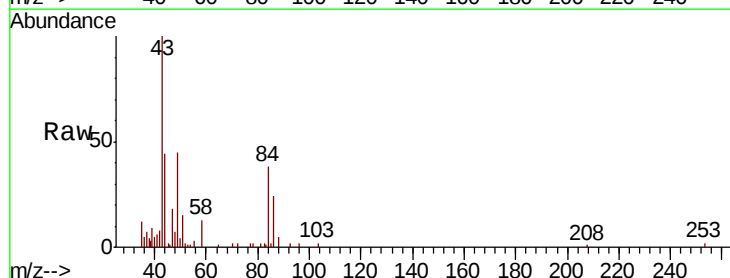
Ion Ratio Lower Upper

84 100

49 117.5 129.4 194.2#

51 38.3 44.0 66.0#

86 63.3 46.3 69.5



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

6000

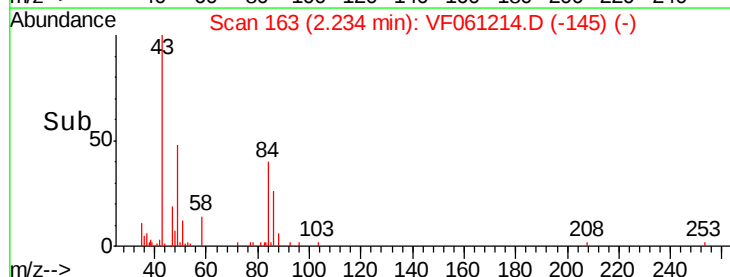
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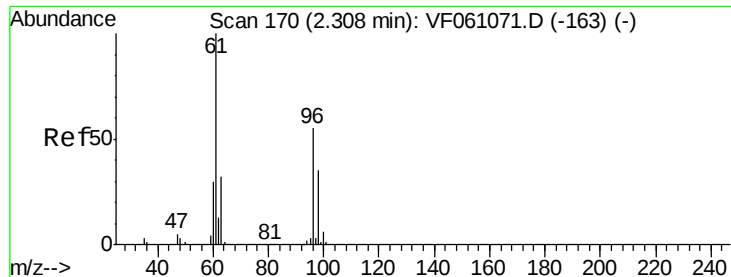
2000

0

Time-->

2.10 2.20 2.30 2.40





#21

trans-1,2-Dichloroethene

Concen: 5.091 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061214.D

Acq: 27 Dec 2018 18:07

Instrument :

MSVOA_F

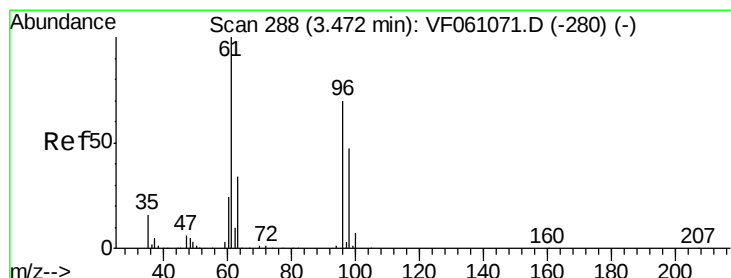
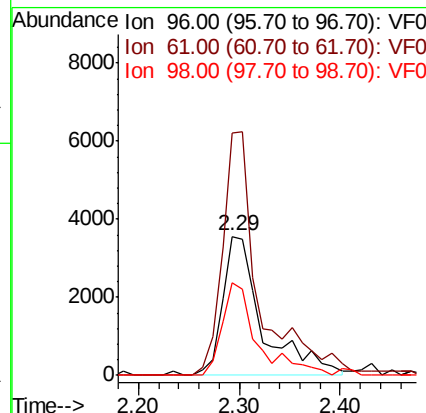
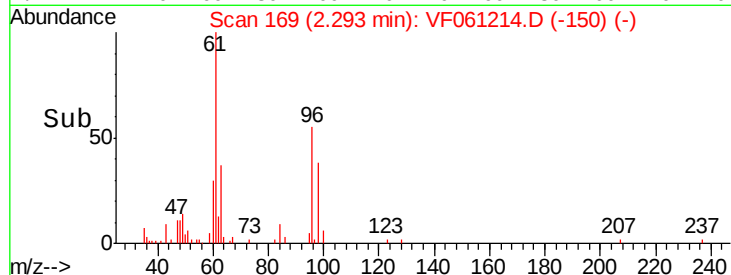
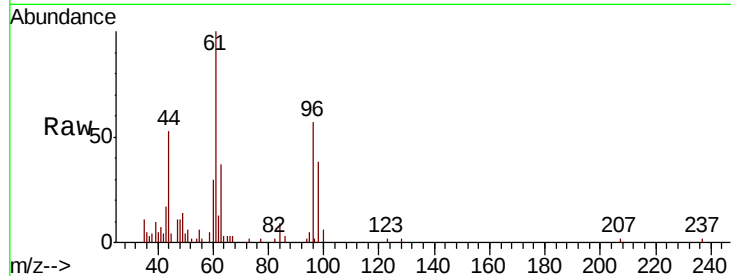
ClientSampleId :

S32-0637

Tot Ion:	96	Resp:	9770
Ion	Ratio	Lower	Upper
96	100		
61	167.4	146.0	219.0
98	64.4	51.6	77.4

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#27

cis-1,2-Dichloroethene

Concen: 6.420 ug/l

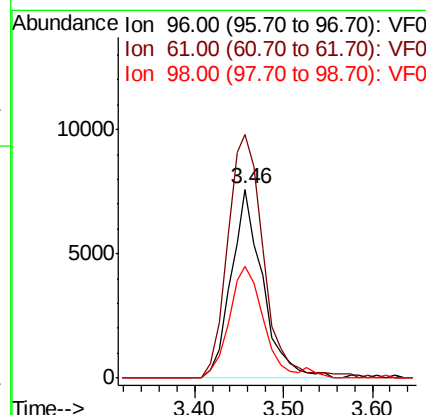
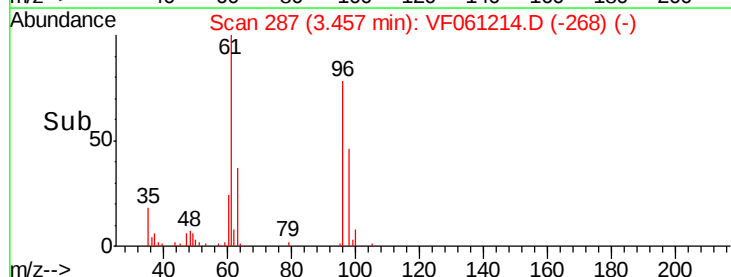
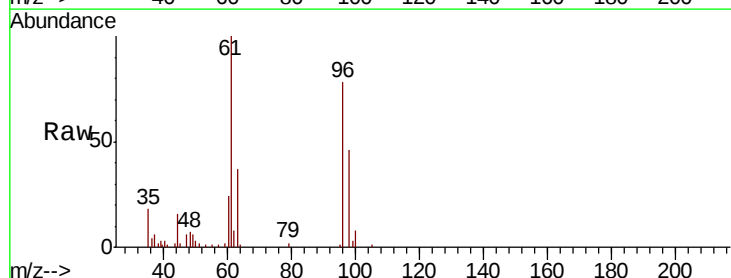
RT: 3.46 min Scan# 287

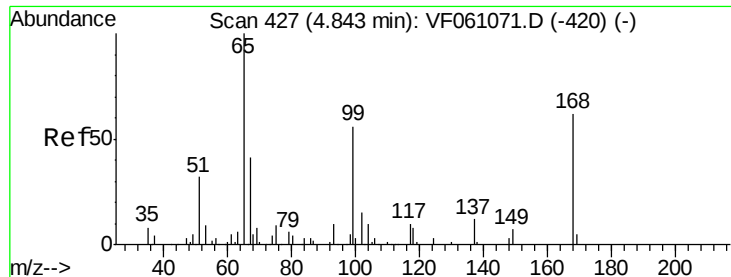
Delta R.T. -0.01 min

Lab File: VF061214.D

Acq: 27 Dec 2018 18:07

Tgt Ion:	96	Resp:	18861
Ion	Ratio	Lower	Upper
96	100		
61	128.7	0.0	287.8
98	59.1	0.0	134.2





#33

1,2-Dichloroethane-d4

Concen: 54.694 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061214.D

Acq: 27 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

S32-0637

Tot Ion: 65 Resp: 143176

Ion Ratio Lower Upper

65 100

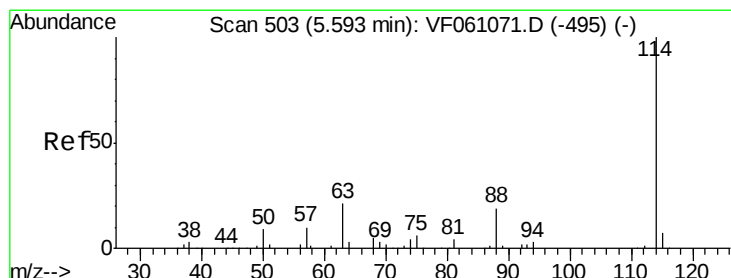
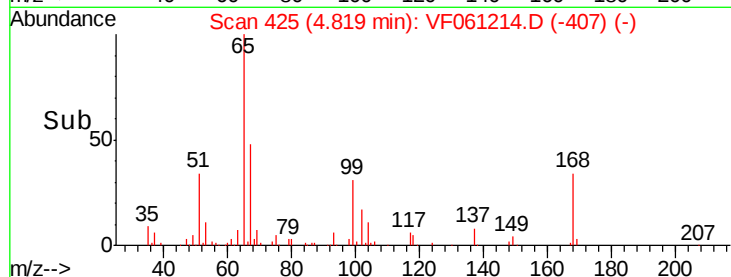
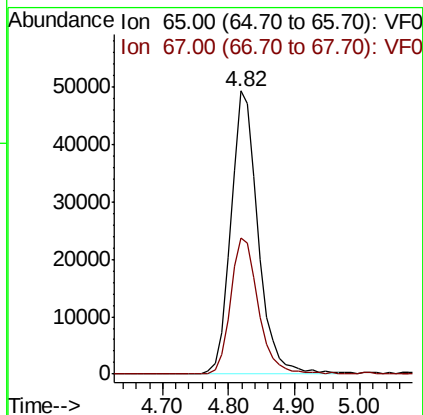
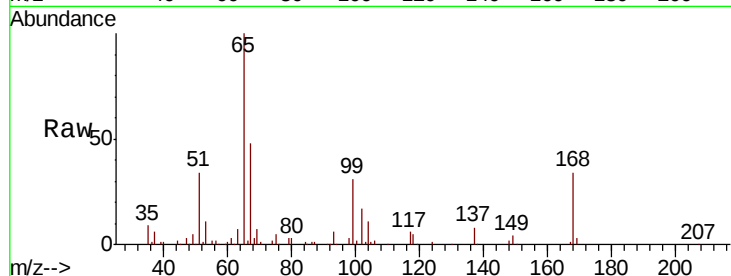
67 48.2 0.0 94.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061214.D

Acq: 27 Dec 2018 18:07

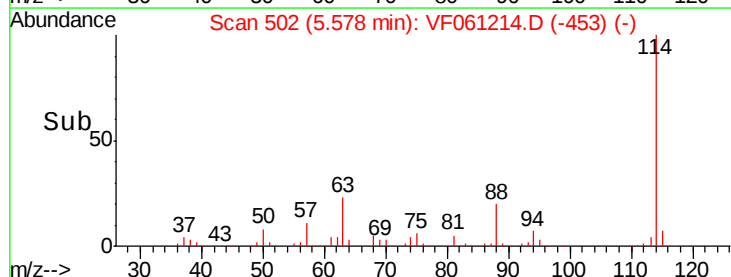
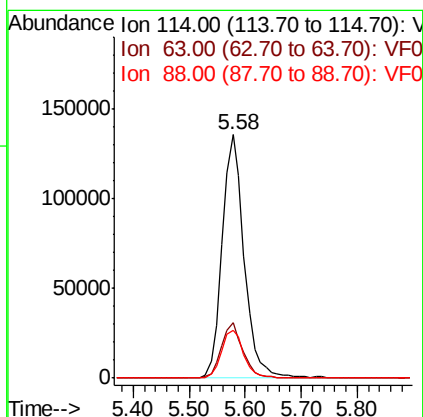
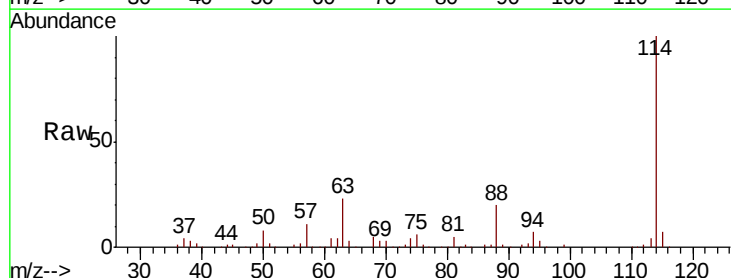
Tgt Ion: 114 Resp: 371017

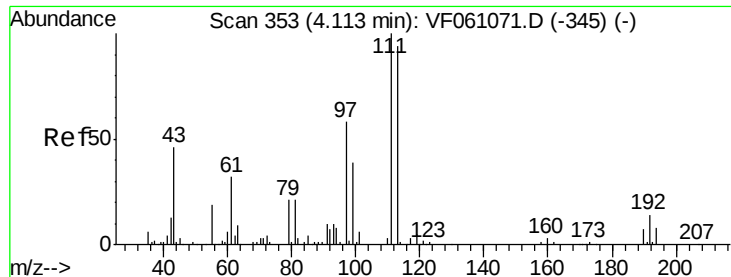
Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.6

88 19.6 0.0 38.0





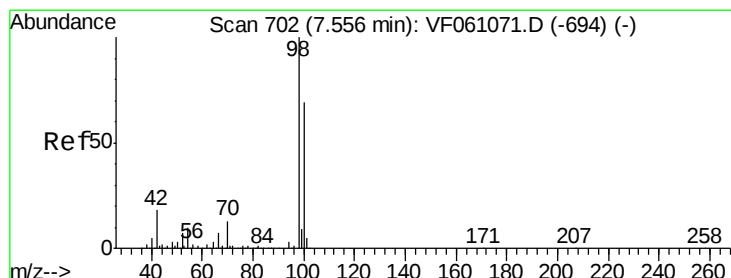
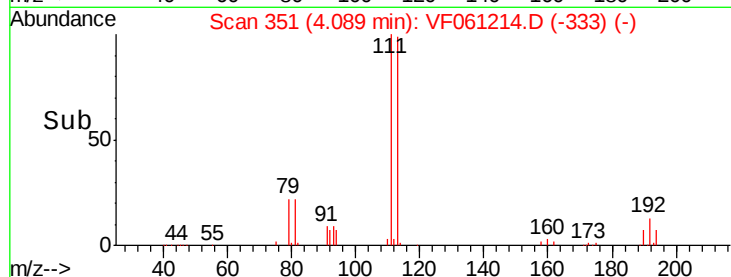
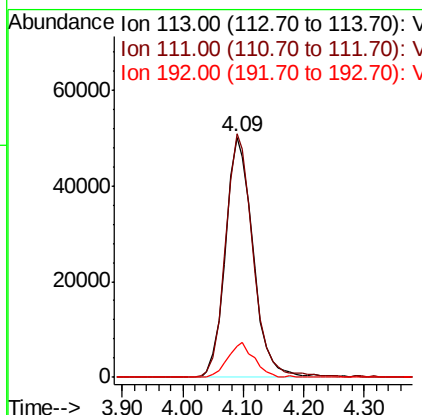
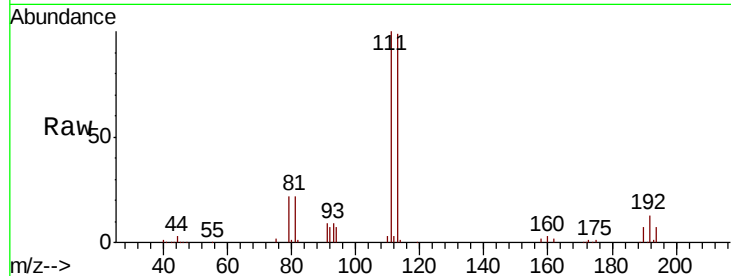
#35
Dibromofluoromethane
Concen: 53.447 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061214.D
Acq: 27 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
S32-0637

Tot Ion	Ratio	Resp	Lower	Upper
113	100	158849		
111	101.3	85.2	127.8	
192	13.0	12.8	19.2	

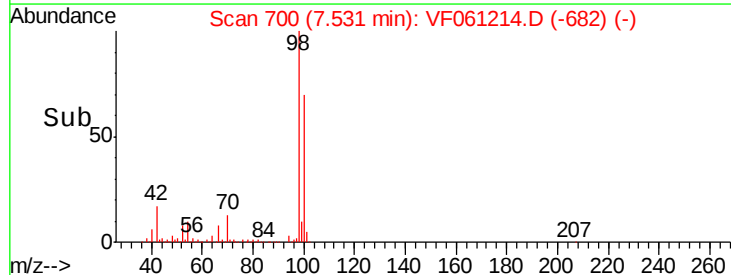
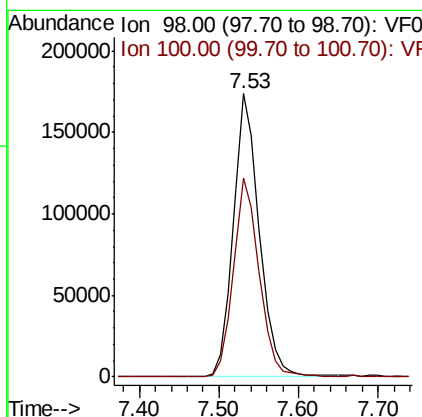
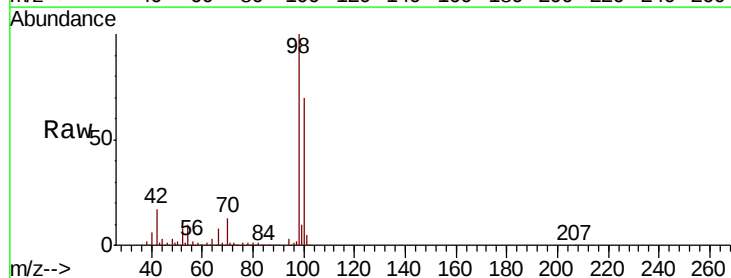
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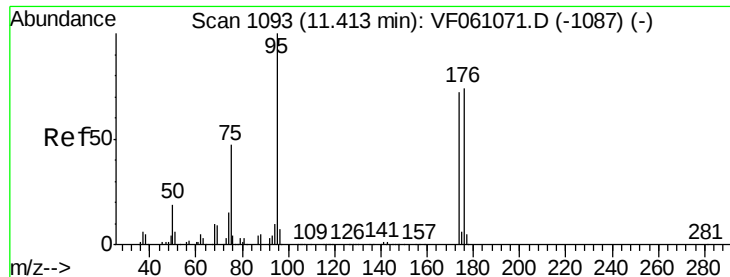
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#50
Toluene-d8
Concen: 47.020 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061214.D
Acq: 27 Dec 2018 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	396020		
100	70.4	55.3	82.9	





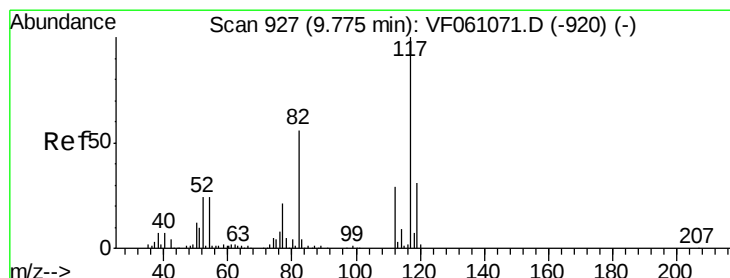
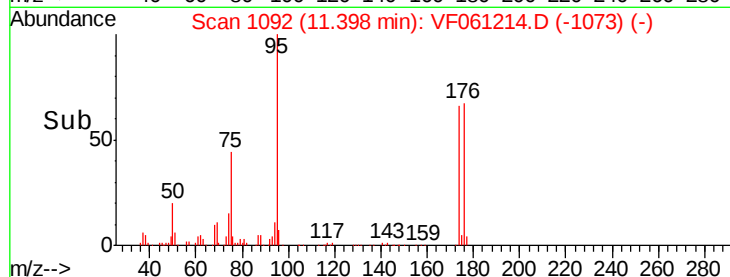
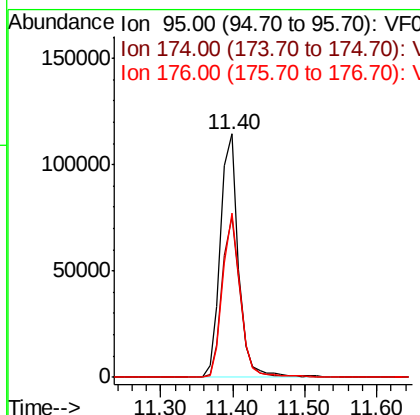
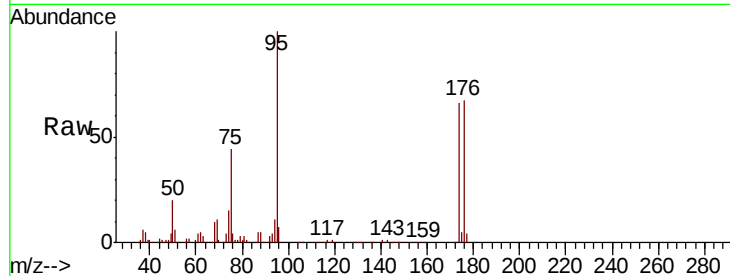
#62
4-Bromofluorobenzene
Concen: 51.215 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061214.D
Acq: 27 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
S32-0637

Tot Ion	Ratio	Resp	Lower	Upper
95	100	198862		
174	65.7	0.0	143.8	
176	67.3	0.0	147.6	

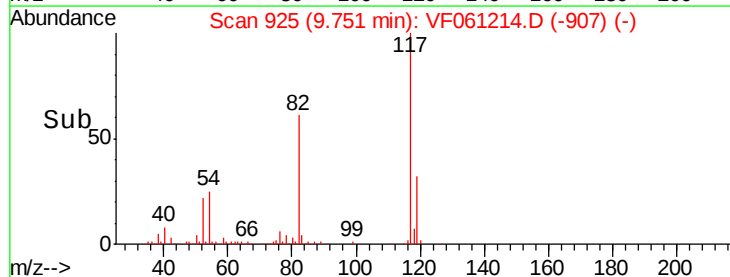
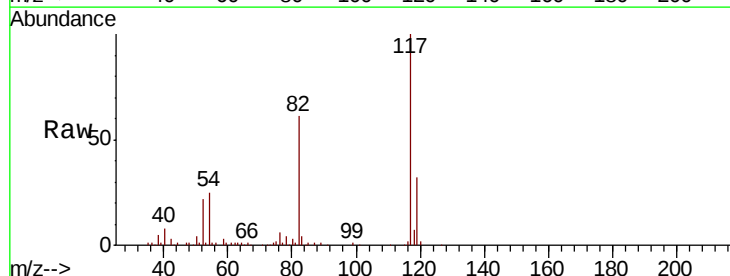
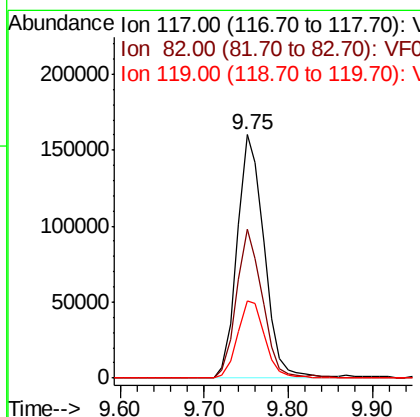
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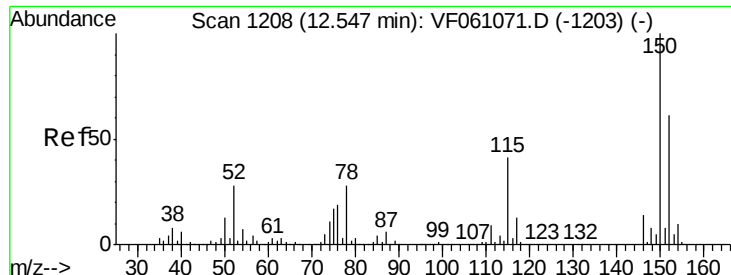
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061214.D
Acq: 27 Dec 2018 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	358418		
82	61.1	45.0	67.4	
119	31.5	24.8	37.2	





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF061214.D
 Acq: 27 Dec 2018 18:07

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0637

Tot Ion	Ratio	Resp	Lower	Upper
152	100	192060		
115	64.4	33.3	99.9	
150	158.4	0.0	328.2	

Manual Integrations
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