

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062218\
 Data File : VF059295.D
 Acq On : 23 Jun 2018 1:10
 Operator : VA/AP
 Sample : J3605-05
 Misc : 5.34g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S-4(3-3.5)

Manual Integrations
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Quant Time: Jun 23 05:14:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	181958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	285076	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	259497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	132790	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	143108	54.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.58%	
35) Dibromofluoromethane	4.29	113	38231	15.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	31.88%	
50) Toluene-d8	7.70	98	270924	44.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.82%	
62) 4-Bromofluorobenzene	11.50	95	127763	37.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.54%	
Target Compounds						
16) Acetone	2.34	43	17560	28.45	ug/l	99
20) Methylene Chloride	2.28	84	13906m	9.58	ug/l	
27) cis-1,2-Dichloroethene	3.63	96	29795	14.57	ug/l	98
44) Trichloroethene	5.67	130	29049	13.19	ug/l	92
64) Tetrachloroethene	8.30	164	1207593	605.93	ug/l	93

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

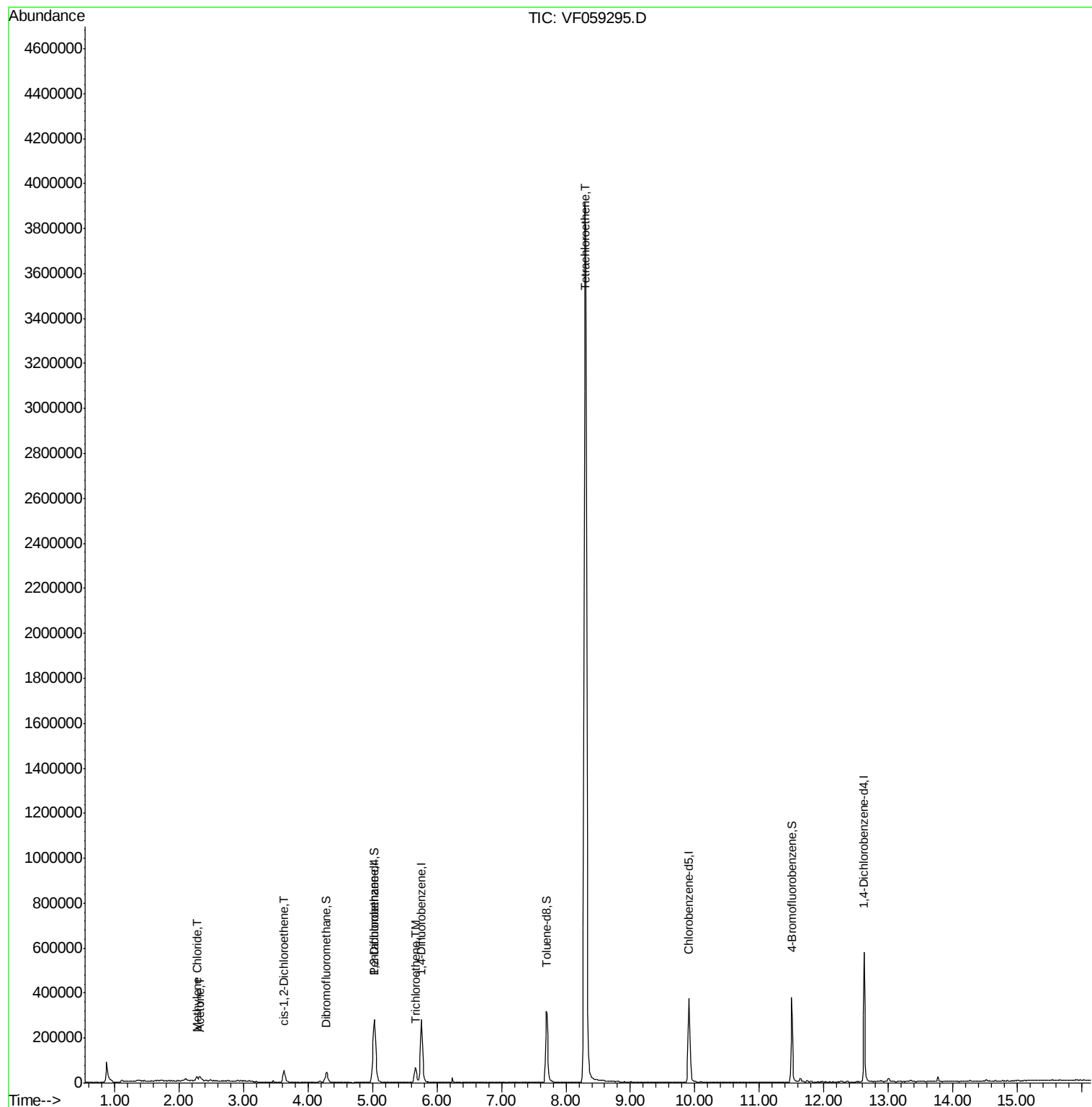
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062218\
Data File : VF059295.D
Acq On : 23 Jun 2018 1:10
Operator : VA/AP
Sample : J3605-05
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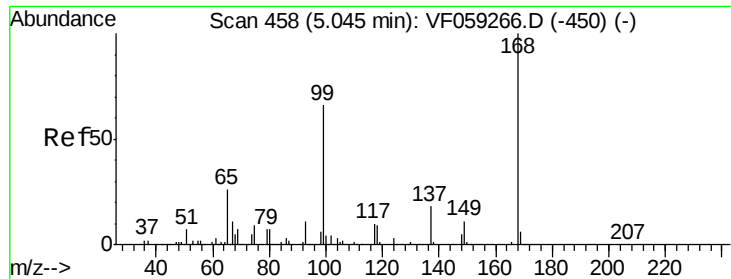
Instrument :
MSVOA_F
ClientSampleId :
S-4(3-3.5)

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Quant Time: Jun 23 05:14:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059295.D

Acq: 23 Jun 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

S-4(3-3.5)

Tot Ion:168 Resp: 181958

Ion Ratio Lower Upper

168 100

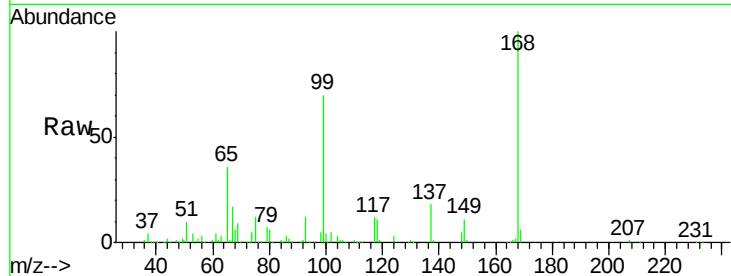
99 69.5 52.6 78.8

Manual Integrations

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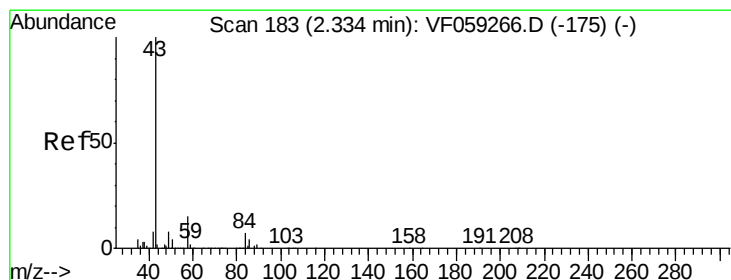
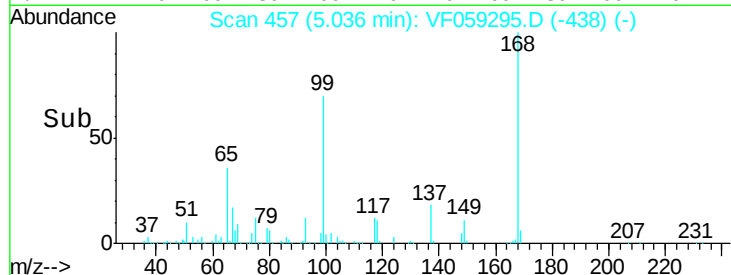
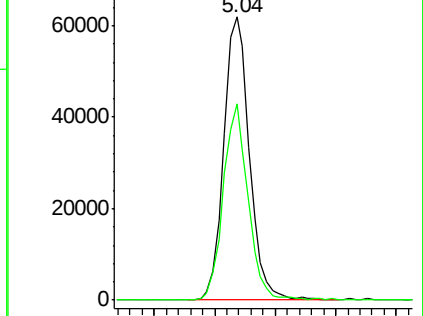
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 28.45 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059295.D

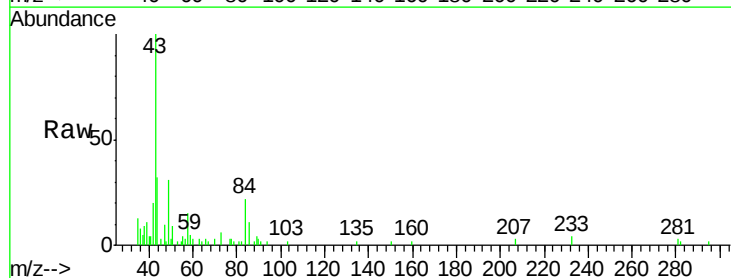
Acq: 23 Jun 2018 1:10

Tgt Ion: 43 Resp: 17560

Ion Ratio Lower Upper

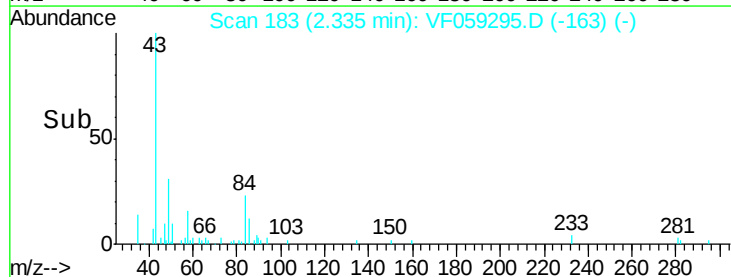
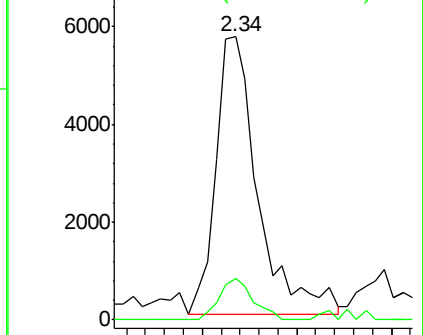
43 100

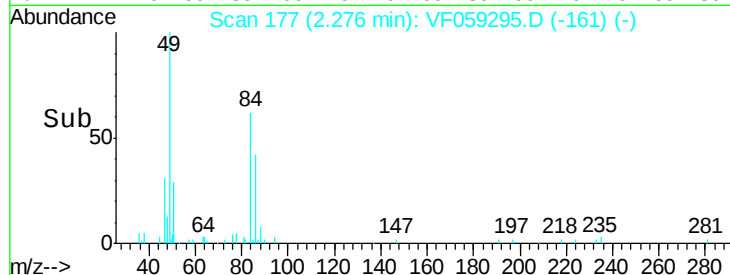
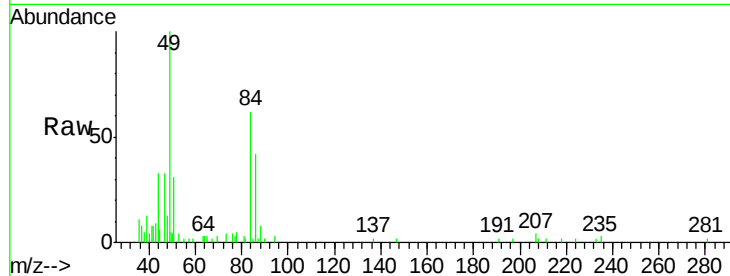
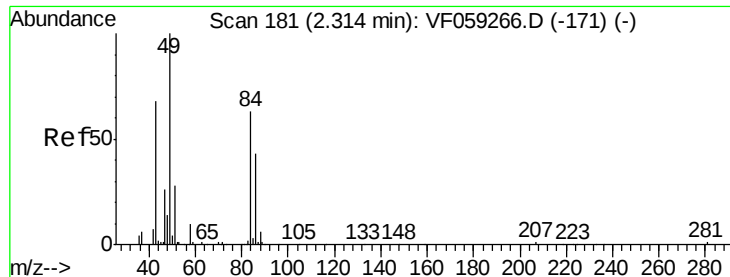
58 14.6 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





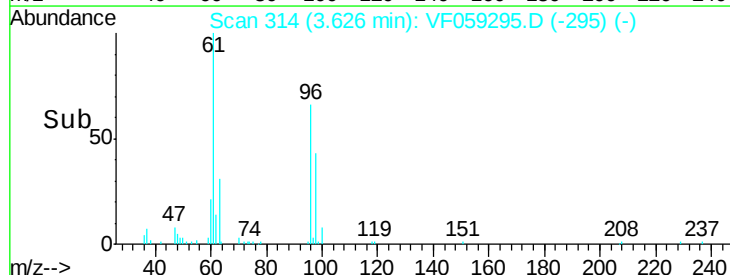
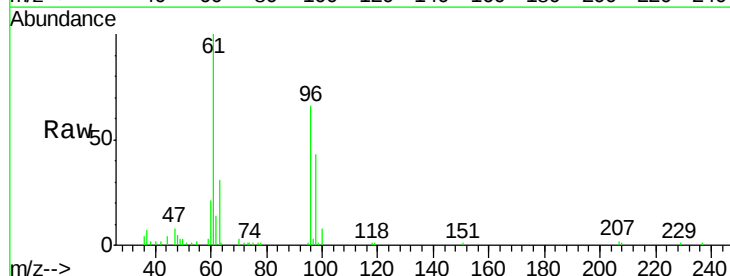
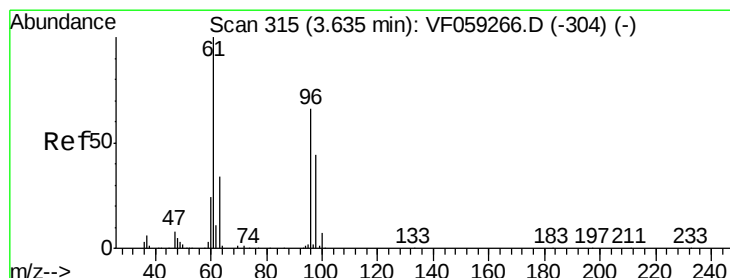
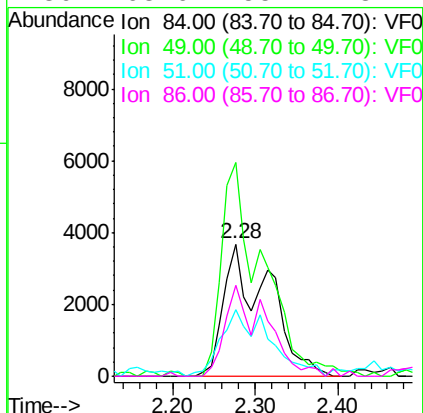
#20
Methvlene Chloride
Concen: 9.58 ug/l m
RT: 2.28 min Scan# 177
Delta R.T. -0.04 min
Lab File: VF059295.D
Acq: 23 Jun 2018 1:10

Tot Ion	Ratio	Lower	Upper
84	100		
49	161.4	130.0	195.0
51	50.5	36.6	55.0
86	68.6	55.1	82.7

Instrument :
MSVOA_F
ClientSampleId :
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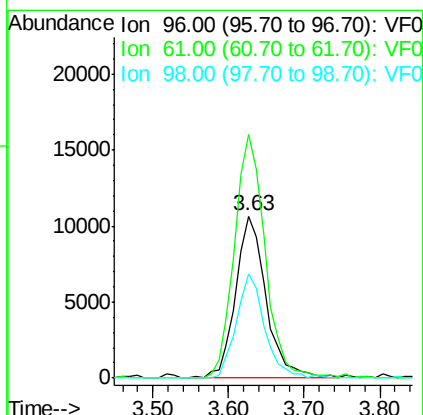
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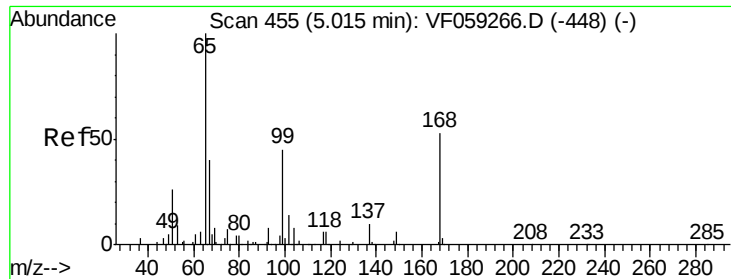
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#27
cis-1,2-Dichloroethene
Concen: 14.57 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059295.D
Acq: 23 Jun 2018 1:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.6	0.0	305.0
98	64.4	0.0	134.0





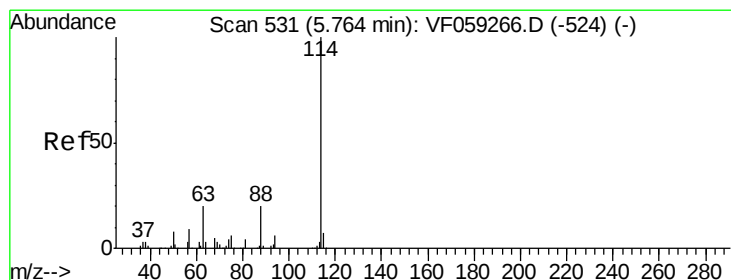
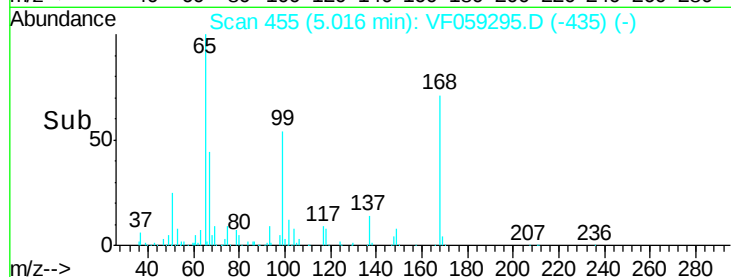
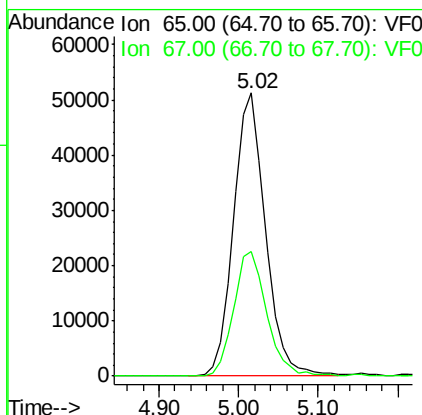
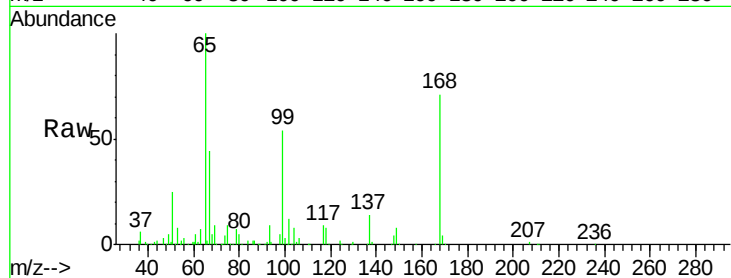
#33
 1,2-Dichloroethane-d4
 Concen: 54.79 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059295.D
 Acq: 23 Jun 2018 1:10

Instrument :
 MSVOA_F
 ClientSampleId :
 S-4(3-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143108		
67	44.1	0.0	95.8	

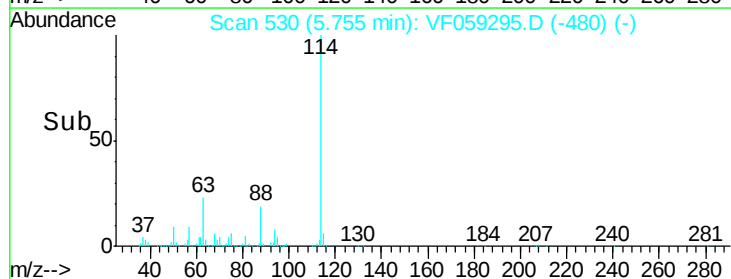
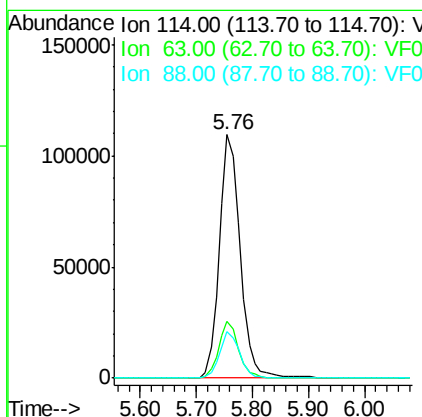
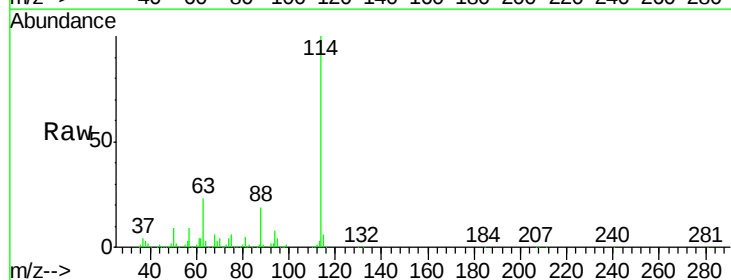
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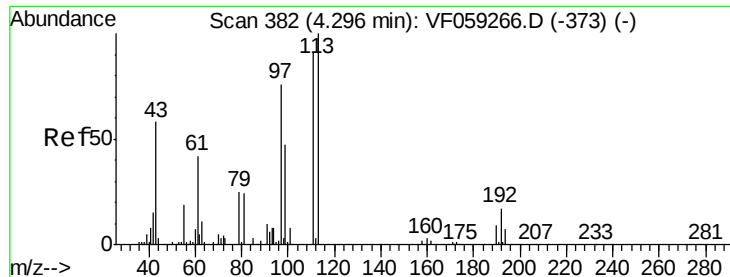
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059295.D
 Acq: 23 Jun 2018 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	285076		
63	23.2	0.0	41.0	
88	19.0	0.0	39.6	





#35

Dibromofluoromethane

Concen: 15.94 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059295.D

Acq: 23 Jun 2018 1:10

Instrument :

MSVOA_F

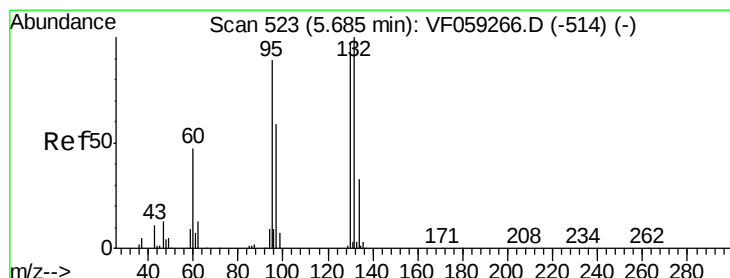
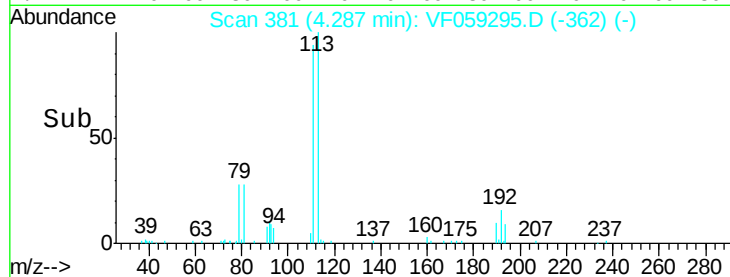
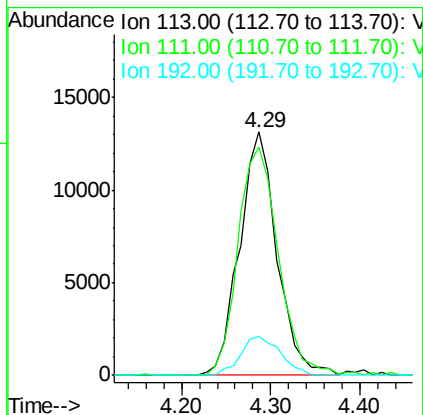
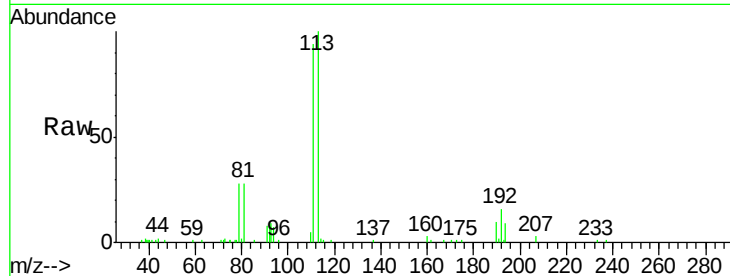
ClientSampleId :

S-4(3-3.5)

Tot Ion:	113	Resp:	38231
Ion Ratio	Lower	Upper	
113	100		
111	93.8	73.1	109.7
192	16.0	13.9	20.9

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#44

Trichloroethene

Concen: 13.19 ug/l

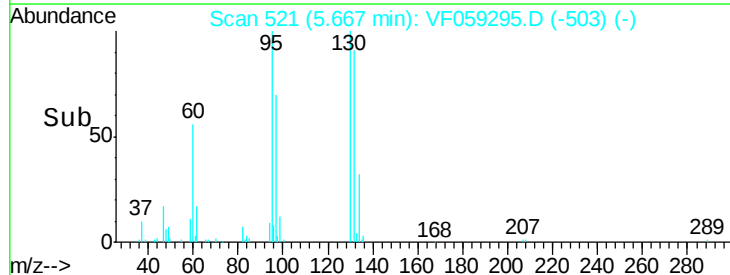
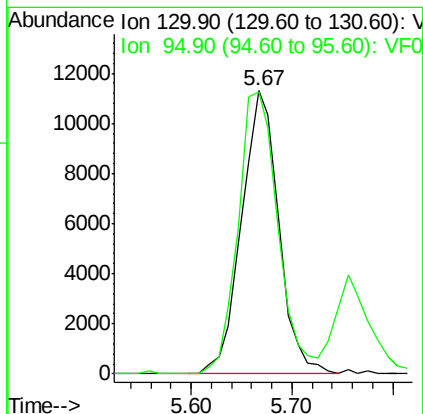
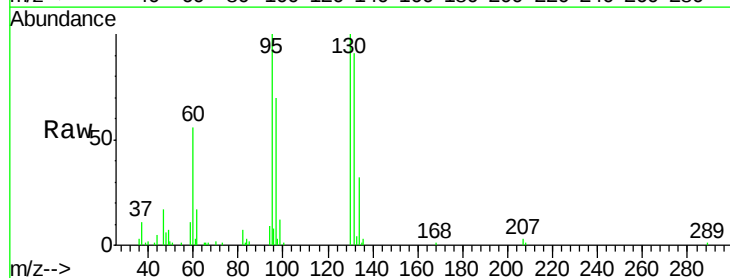
RT: 5.67 min Scan# 521

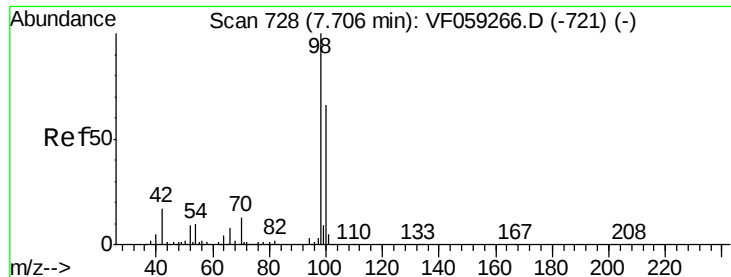
Delta R.T. -0.02 min

Lab File: VF059295.D

Acq: 23 Jun 2018 1:10

Tgt Ion:	130	Resp:	29049
Ion Ratio	Lower	Upper	
130	100		
95	99.6	0.0	183.6





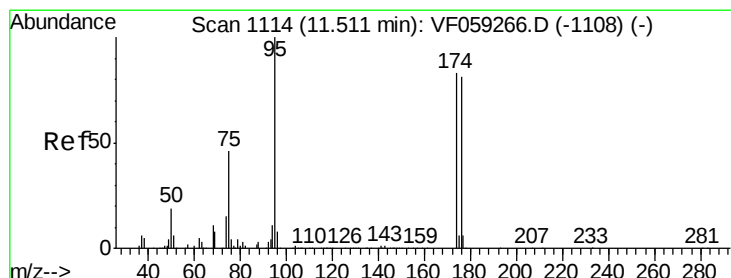
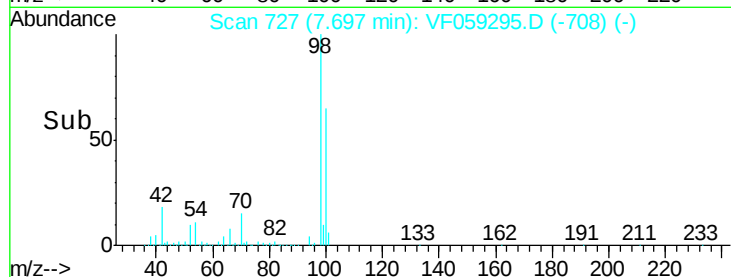
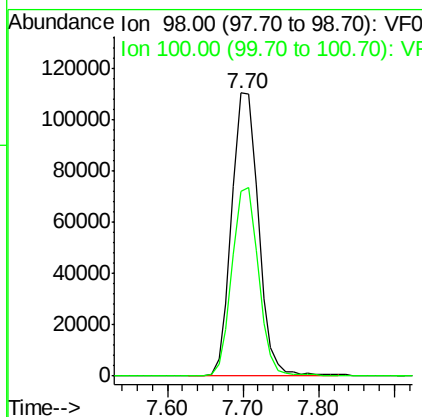
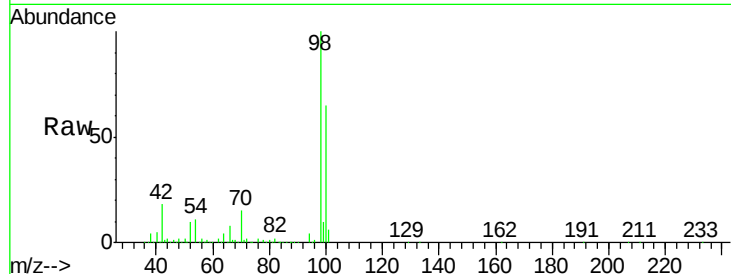
#50
Toluene-d8
Concen: 44.41 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059295.D
Acq: 23 Jun 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
S-4(3-3.5)

Tot Ion	Ion	Ratio	Lower	Upper
98	100			
100	65.5	52.8	79.2	

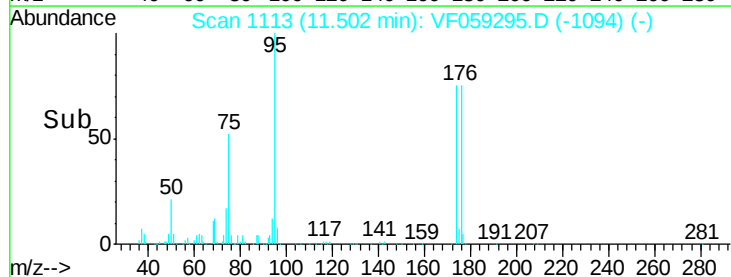
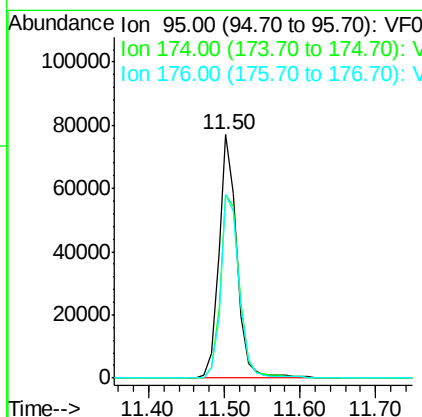
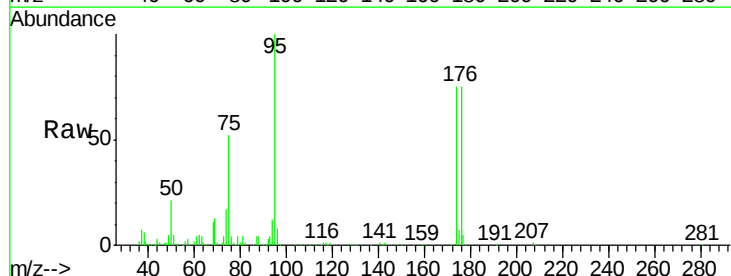
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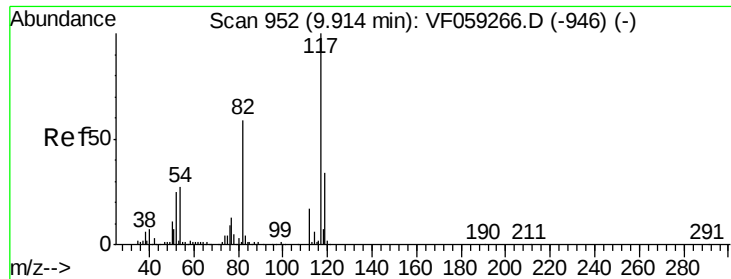
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#62
4-Bromofluorobenzene
Concen: 37.77 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059295.D
Acq: 23 Jun 2018 1:10

Tgt Ion	Ion	Ratio	Lower	Upper
95	100			
174	75.3	0.0	166.2	
176	75.3	0.0	162.8	





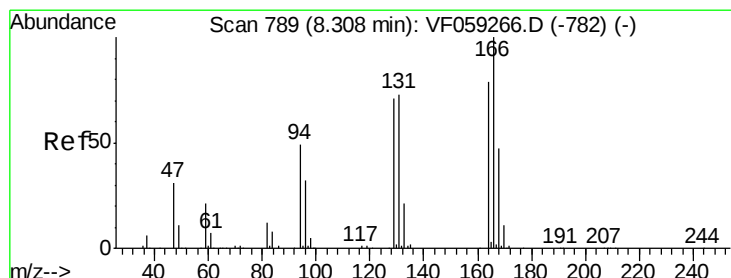
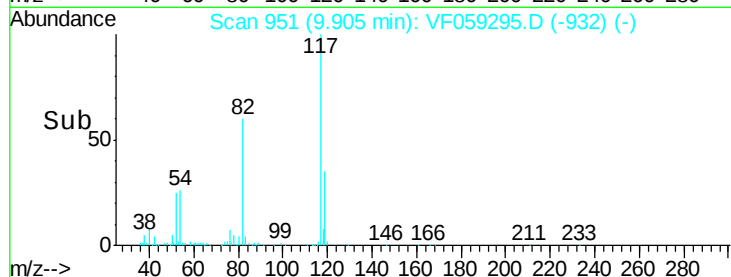
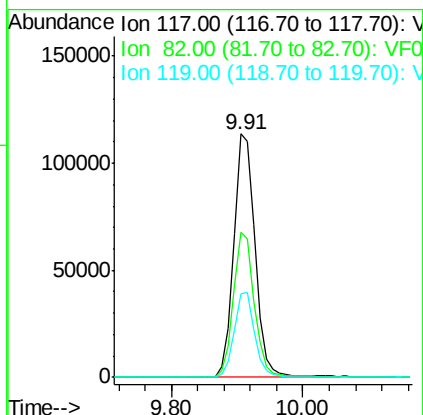
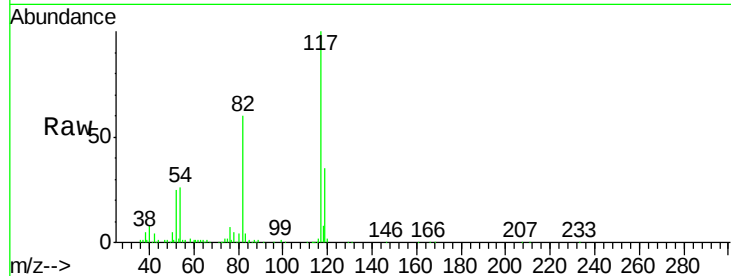
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059295.D
Acq: 23 Jun 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
117	100	259497		
82	59.6	47.1	70.7	
119	34.5	26.9	40.3	

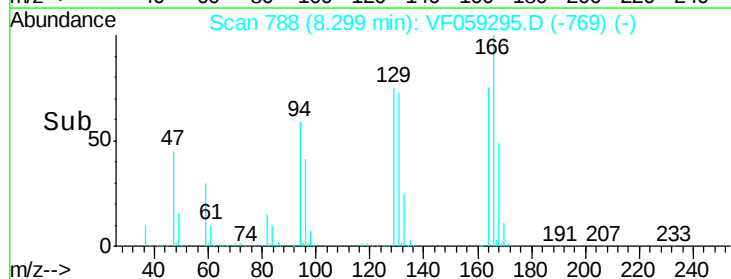
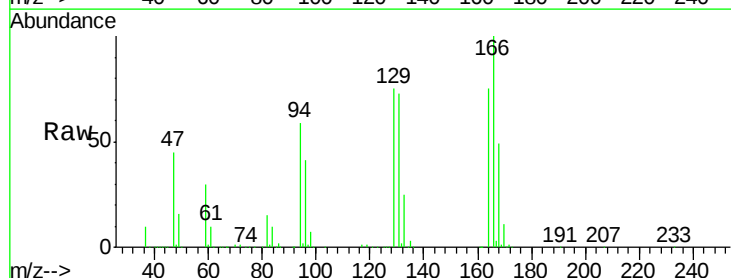
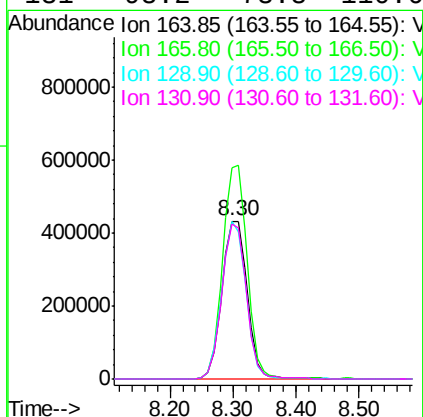
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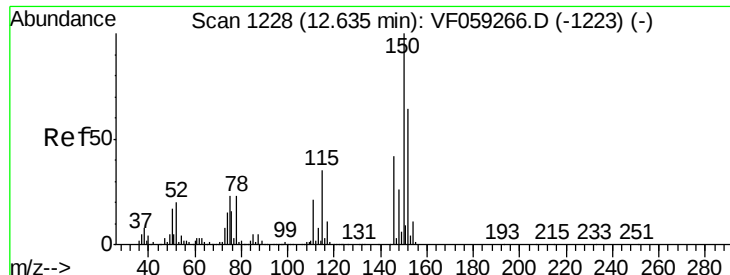
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#64
Tetrachloroethene
Concen: 605.93 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059295.D
Acq: 23 Jun 2018 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1207593		
166	134.0	101.4	152.2	
129	100.0	72.2	108.4	
131	98.2	73.8	110.6	





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059295.D

Acq: 23 Jun 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

S-4(3-3.5)

Tot Ion:	152	Resp:	132790
Ion Ratio		Lower	Upper
152	100		
115	61.3	27.8	83.3
150	152.7	0.0	313.8

Manual Integrations
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