

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059320.D
 Acq On : 26 Jun 2018 16:46
 Operator : VA/AP
 Sample : J3664-09RE
 Misc : 6.21g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-27-29-180619RE

Manual Integrations
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Quant Time: Jun 27 04:33:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	254163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	396537	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	390824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	249724	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	136263	41.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.00%	
35) Dibromofluoromethane	4.27	113	127260	43.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.84%	
50) Toluene-d8	7.69	98	289929	40.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.84%	
62) 4-Bromofluorobenzene	11.50	95	165268	40.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.68%	
Target Compounds						
4) Vinyl Chloride	1.15	62	24517	15.97	ug/l	Qvalue 91
16) Acetone	2.32	43	11502m	3.99	ug/l	
20) Methylene Chloride	2.27	84	17189m	2.28	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	8800	5.51	ug/l	89
27) cis-1,2-Dichloroethene	3.61	96	232984	96.00	ug/l	86
44) Trichloroethene	5.66	130	13426	5.10	ug/l	75
65) Chlorobenzene	9.92	112	10258	1.42	ug/l #	86
91) 1,2-Dichlorobenzene	13.01	146	33875	4.62	ug/l	97

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

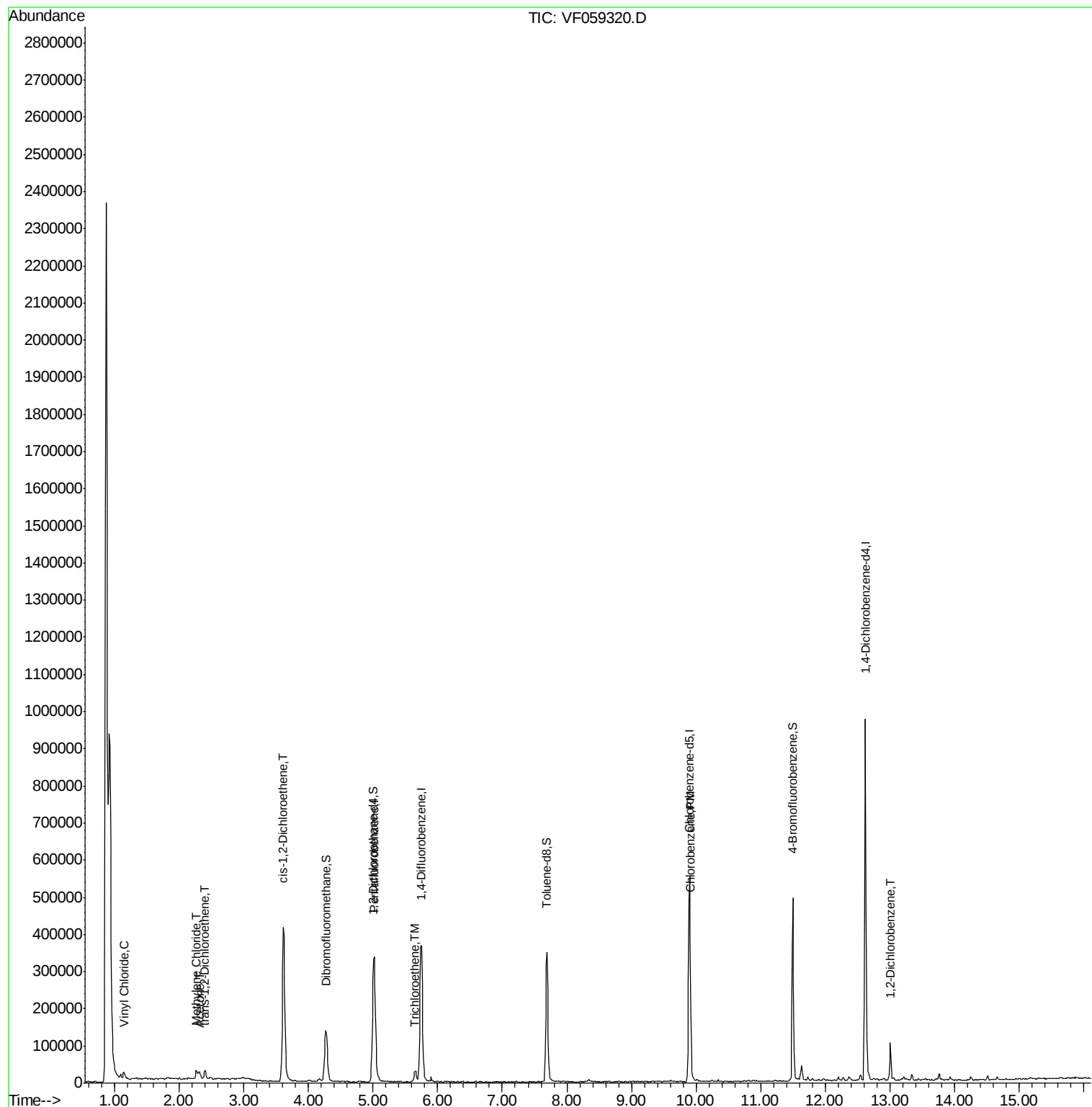
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062618\
Data File : VF059320.D
Acq On : 26 Jun 2018 16:46
Operator : VA/AP
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Misc : 6.21g/5mL/MSVOA-F/SOIL
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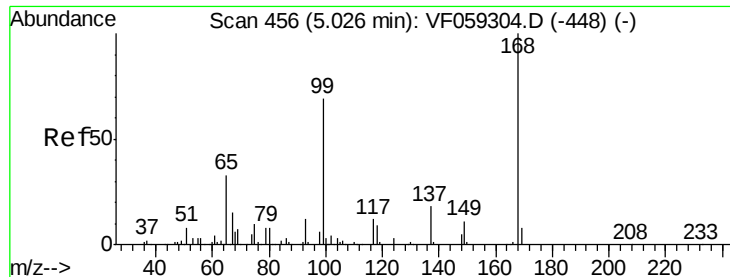
Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-27-29-180619RE

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Quant Time: Jun 27 04:33:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059320.D

Acq: 26 Jun 2018 16:46

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-27-29-180619RE

Tot Ion:168 Resp: 254163

Ion Ratio Lower Upper

168 100

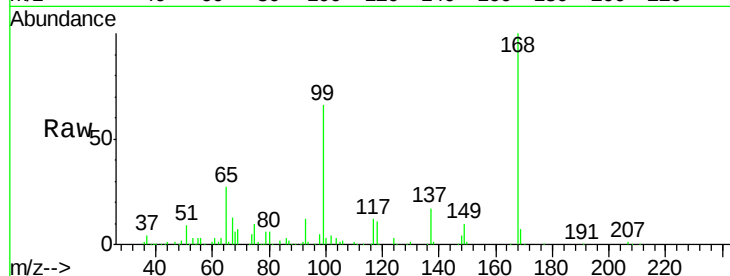
99 66.1 54.9 82.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

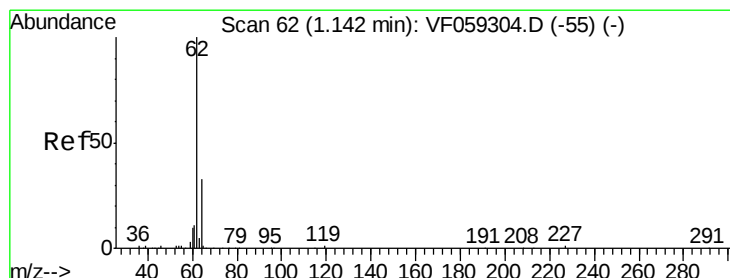
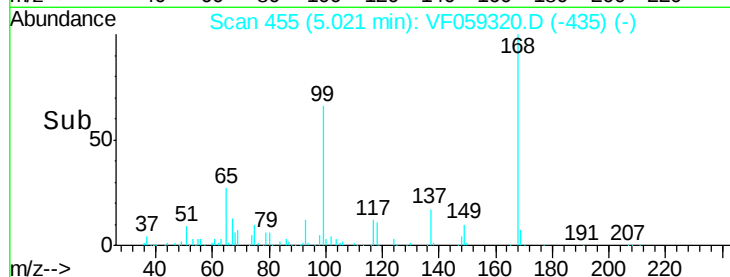
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#4

Vinyl Chloride

Concen: 15.97 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059320.D

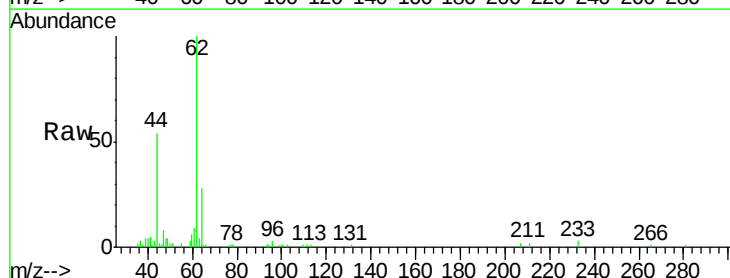
Acq: 26 Jun 2018 16:46

Tgt Ion: 62 Resp: 24517

Ion Ratio Lower Upper

62 100

64 27.6 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.15

12000

10000

8000

6000

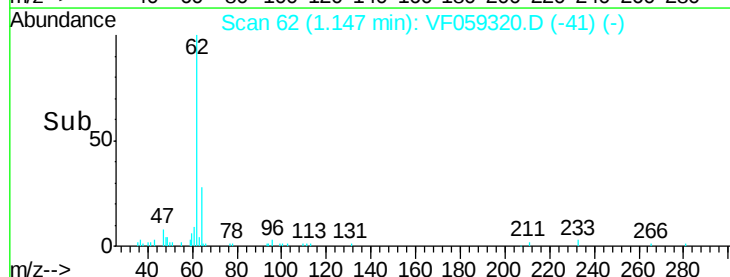
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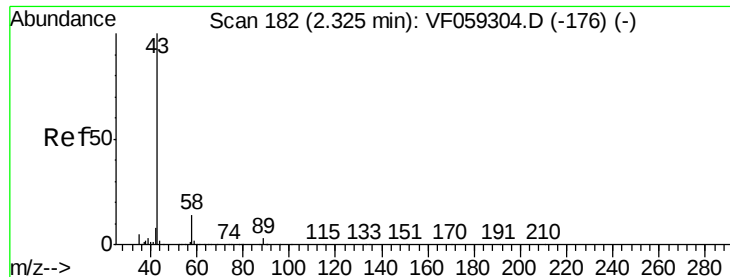
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0

Time-->

1.10 1.20 1.30





#16

Acetone

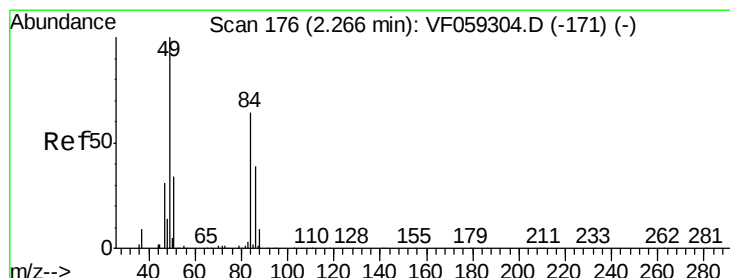
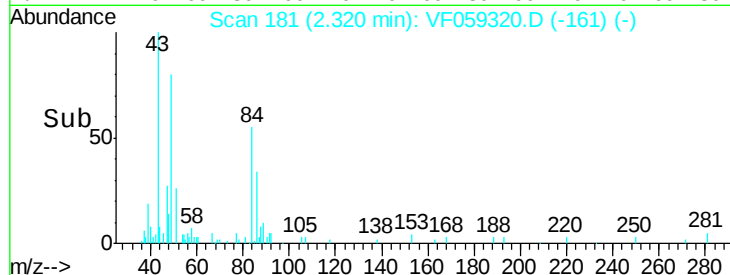
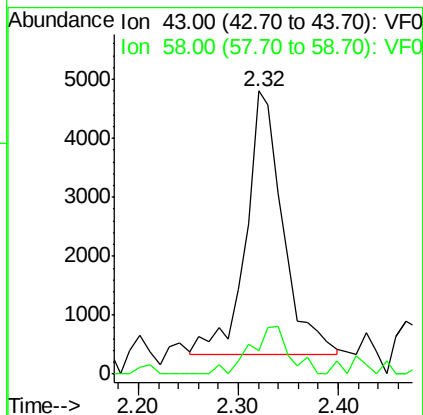
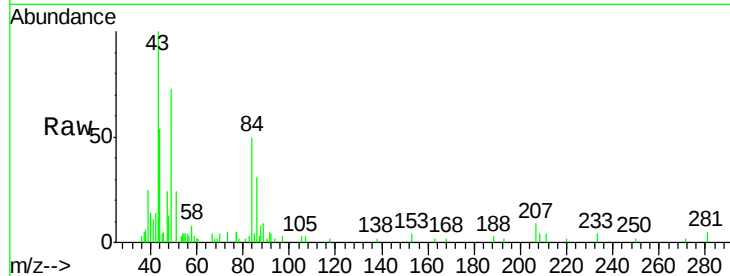
Concen: 3.99 ug/l m
RT: 2.32 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF059320.D
Acq: 26 Jun 2018 16:46

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-27-29-180619RE

Tot Ion: 43 Resp: 11502
Ion Ratio Lower Upper
43 100
58 8.4 11.4 17.0#

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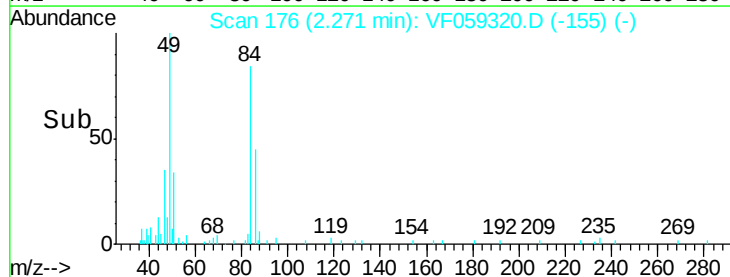
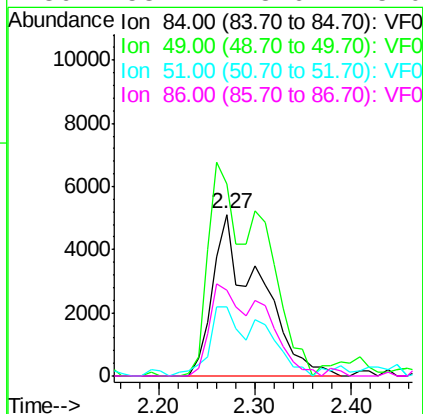
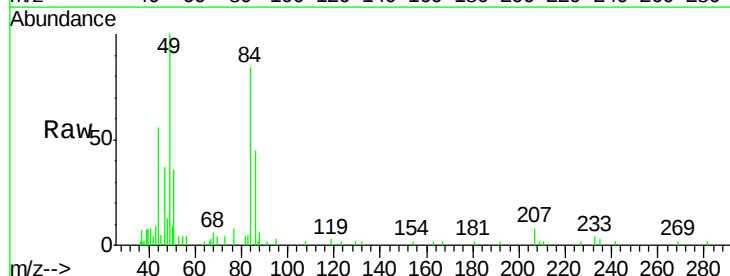


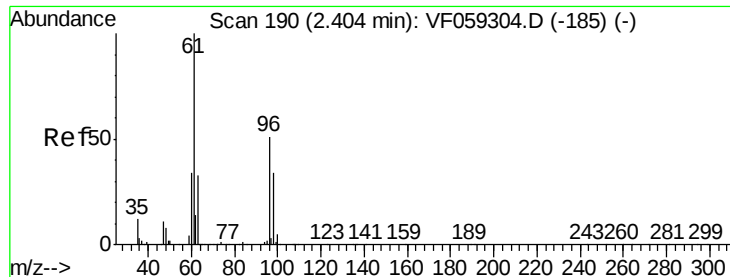
#20

Methylene Chloride

Concen: 2.28 ug/l m
RT: 2.27 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF059320.D
Acq: 26 Jun 2018 16:46

Tgt Ion: 84 Resp: 17189
Ion Ratio Lower Upper
84 100
49 118.5 126.5 189.7#
51 43.1 42.9 64.3
86 53.4 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 5.51 ug/l

RT: 2.40 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059320.D

Acq: 26 Jun 2018 16:46

Instrument :

MSVOA_F

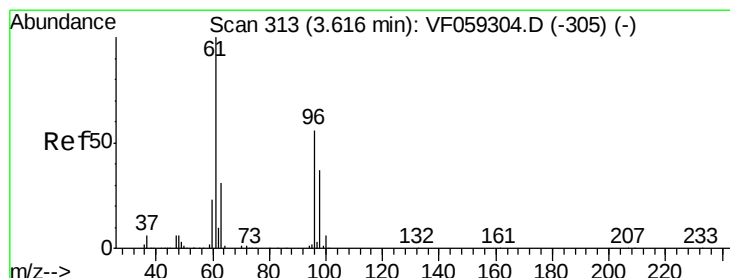
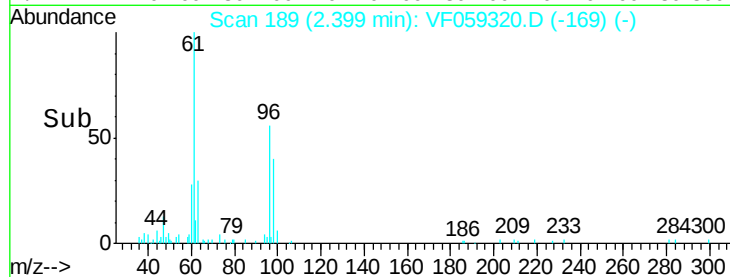
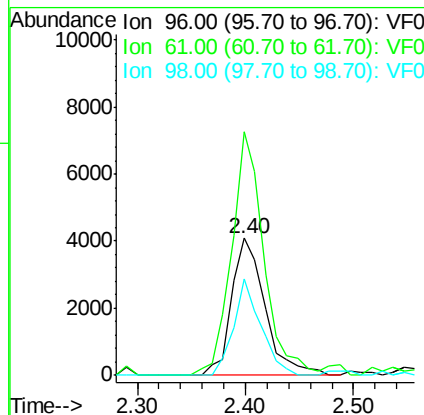
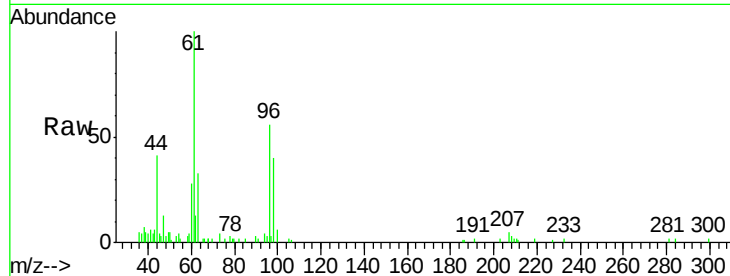
ClientSampleId :

WP021SB476-27-29-180619RE

Tot Ion:	96	Resp:	8800
Ion	Ratio	Lower	Upper
96	100		
61	177.5	157.4	236.2
98	70.5	53.7	80.5

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#27

cis-1,2-Dichloroethene

Concen: 96.00 ug/l

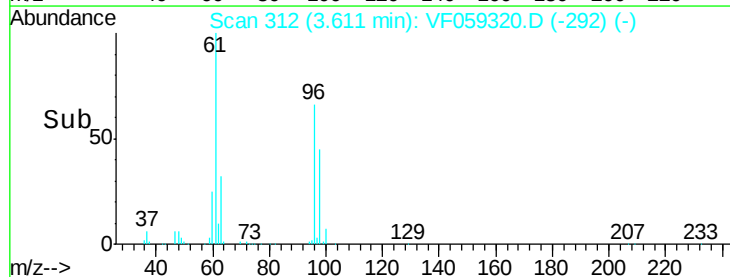
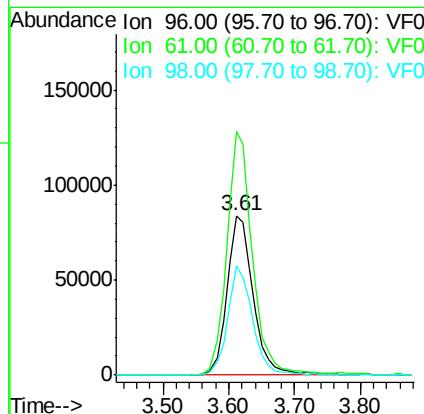
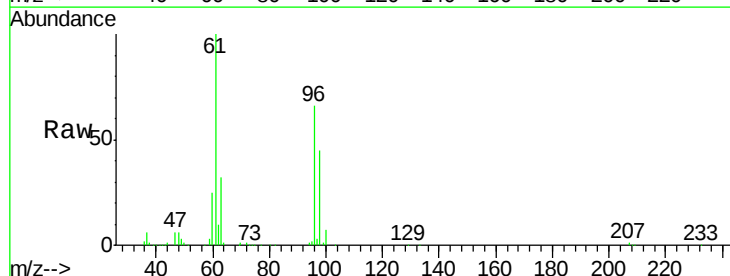
RT: 3.61 min Scan# 312

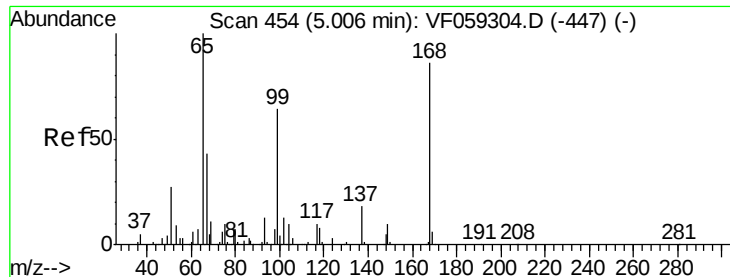
Delta R.T. -0.01 min

Lab File: VF059320.D

Acq: 26 Jun 2018 16:46

Tgt Ion:	96	Resp:	232984
Ion	Ratio	Lower	Upper
96	100		
61	152.5	0.0	355.4
98	68.5	0.0	131.0





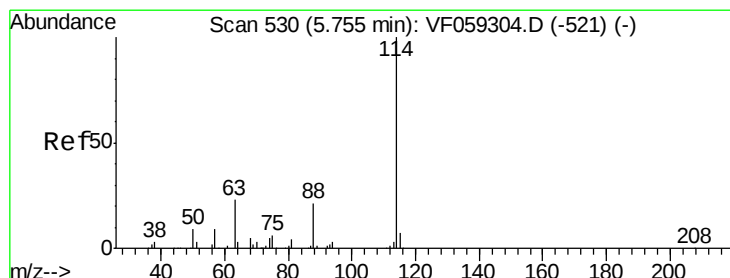
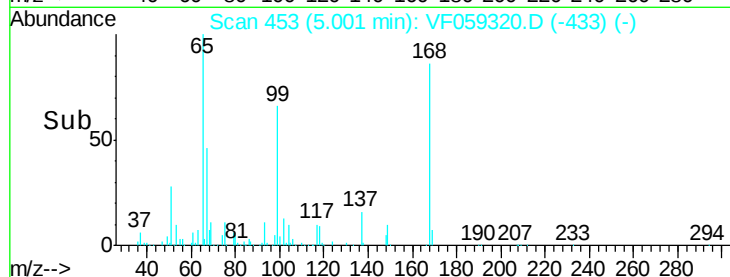
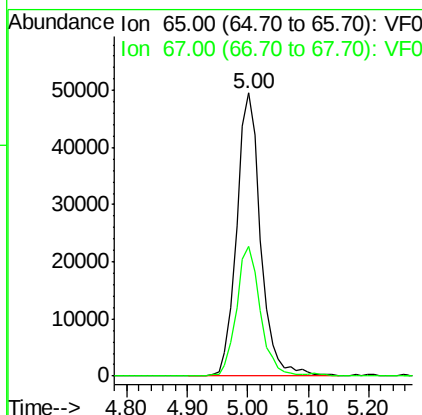
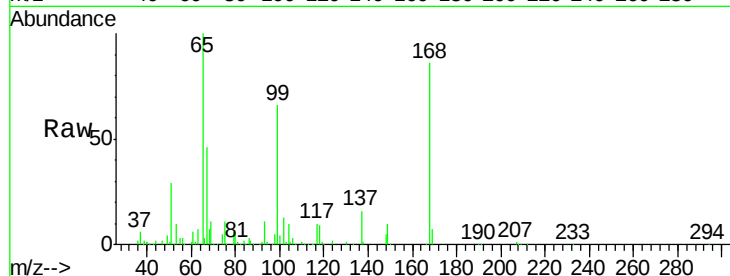
#33
 1,2-Dichloroethane-d4
 Concen: 41.50 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059320.D
 Acq: 26 Jun 2018 16:46

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-27-29-180619RE

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	45.9	0.0		96.8

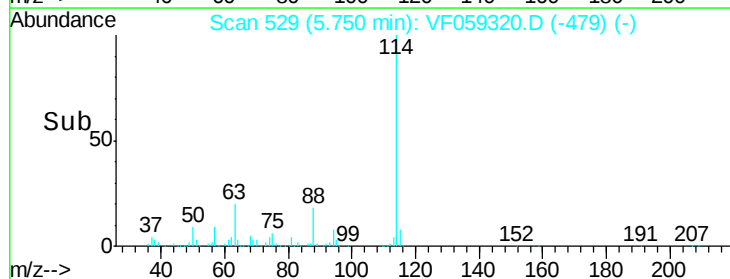
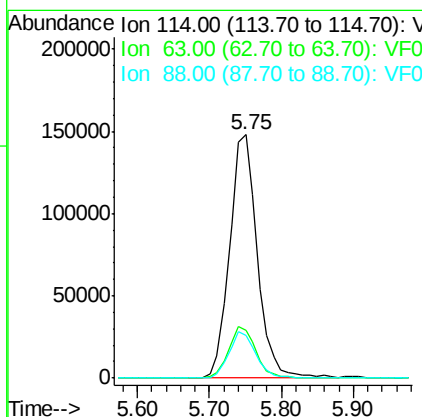
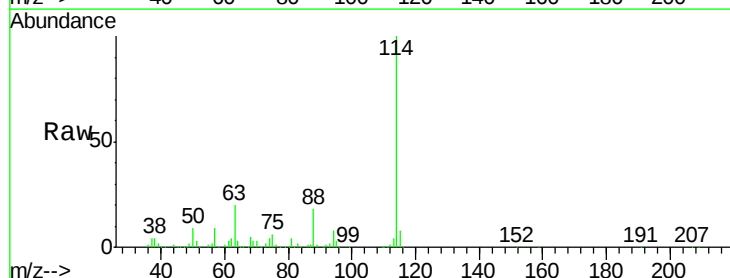
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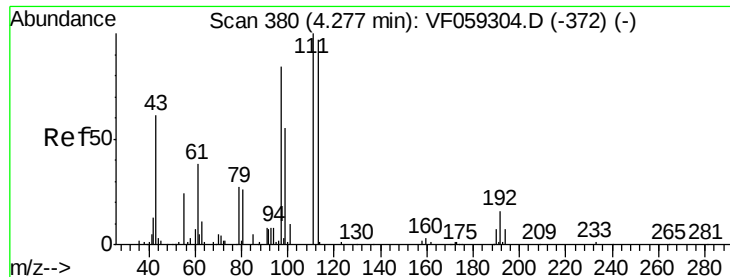
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059320.D
 Acq: 26 Jun 2018 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0		45.8
88	17.6	0.0		41.2





#35

Dibromofluoromethane

Concen: 43.92 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059320.D

Acq: 26 Jun 2018 16:46

Instrument :

MSVOA_F

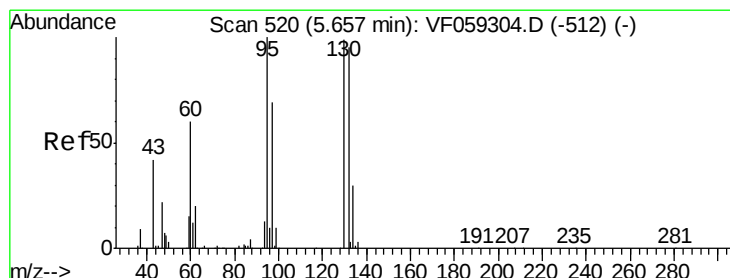
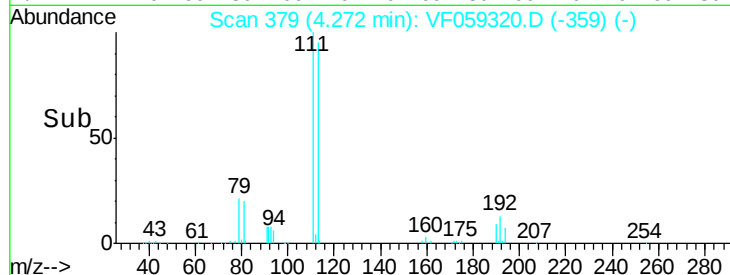
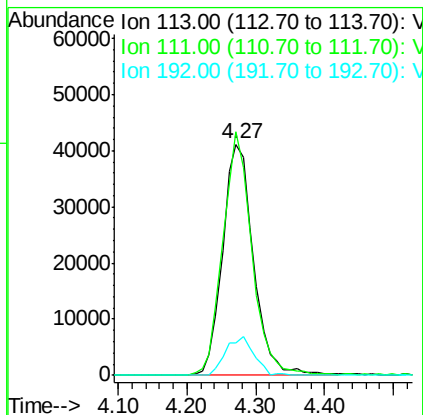
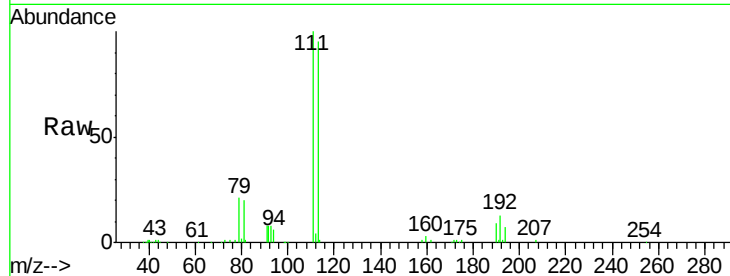
ClientSampleId :

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Tot Ion:	113	Resp:	127260
Ion Ratio	Lower	Upper	
113	100		
111	105.2	82.1	123.1
192	13.8	13.0	19.6

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#44

Trichloroethene

Concen: 5.10 ug/l

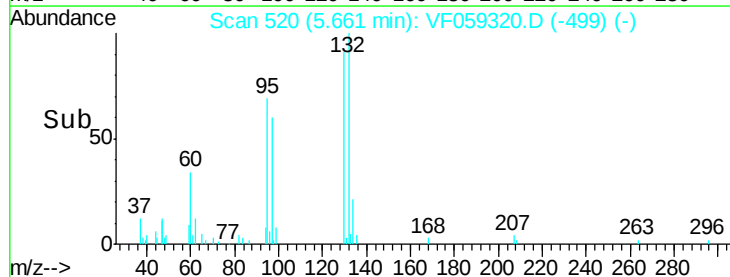
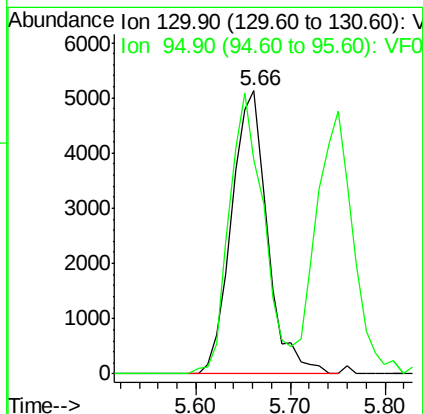
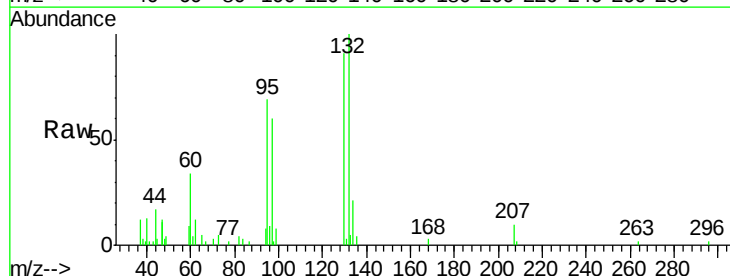
RT: 5.66 min Scan# 520

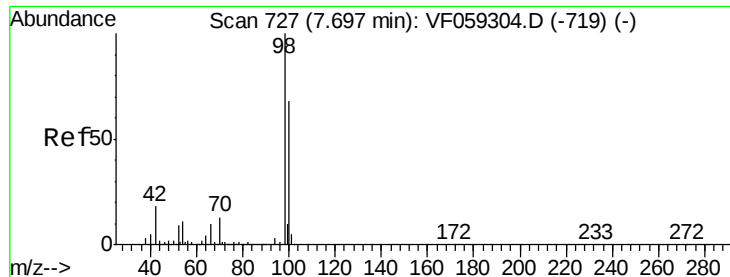
Delta R.T. 0.00 min

Lab File: VF059320.D

Acq: 26 Jun 2018 16:46

Tgt Ion:	130	Resp:	13426
Ion Ratio	Lower	Upper	
130	100		
95	75.6	0.0	202.4





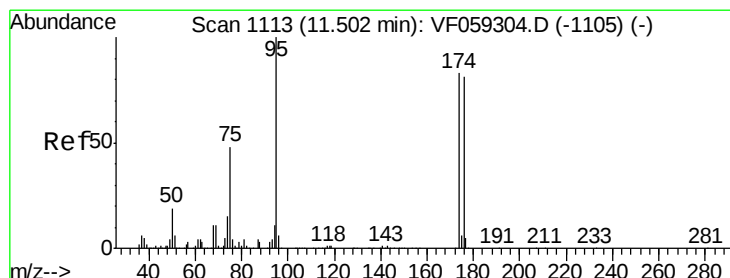
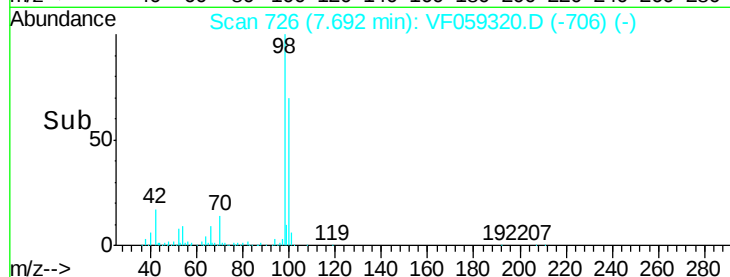
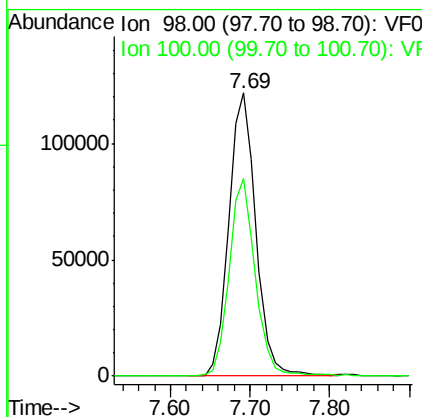
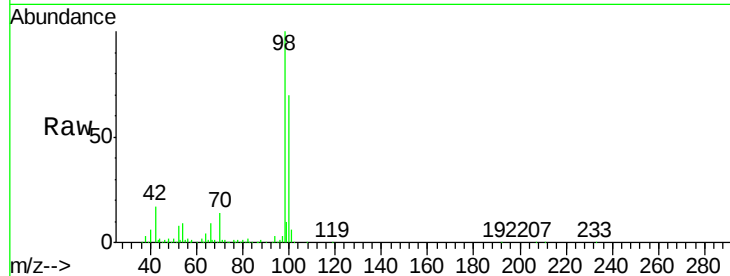
#50
Toluene-d8
Concen: 40.42 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF059320.D
Acq: 26 Jun 2018 16:46

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MSVOA_F
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WP021SB476-27-29-180619RE

Tot Ion	Ratio	Lower	Upper
98	100		
100	69.9	54.6	82.0

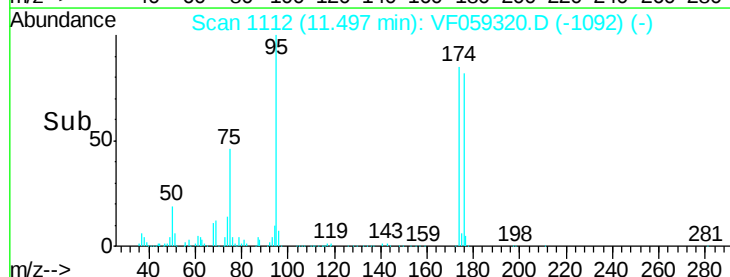
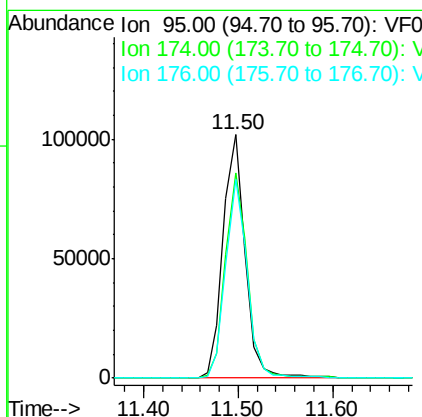
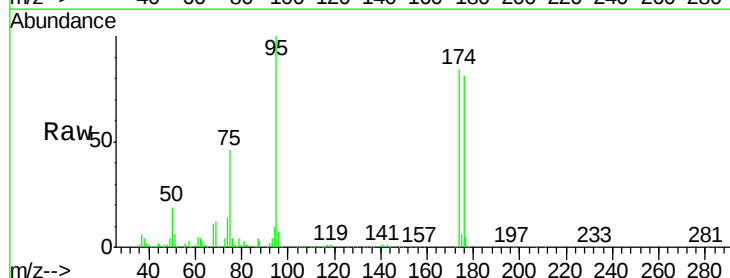
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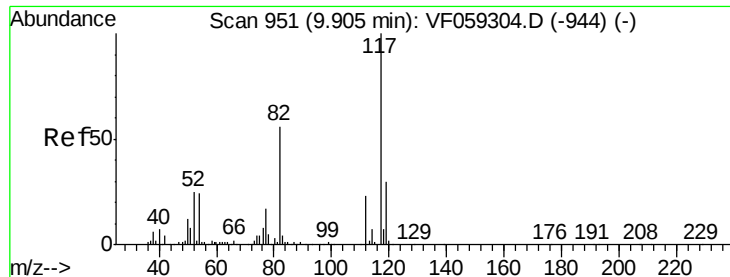
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#62
4-Bromofluorobenzene
Concen: 40.84 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF059320.D
Acq: 26 Jun 2018 16:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	165.2
176	81.4	0.0	161.0





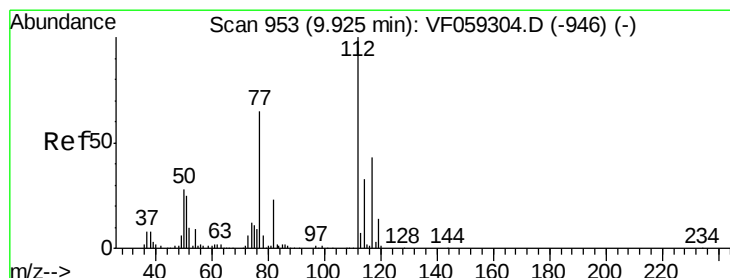
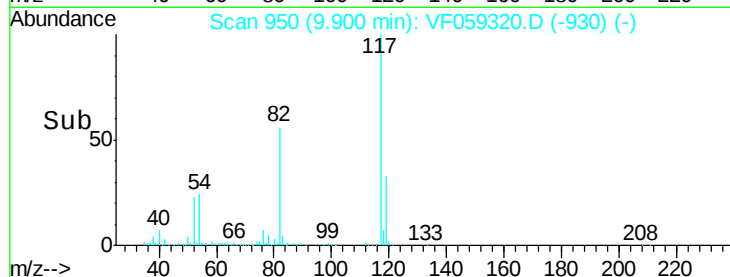
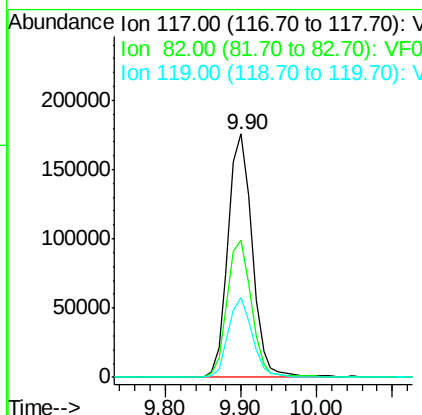
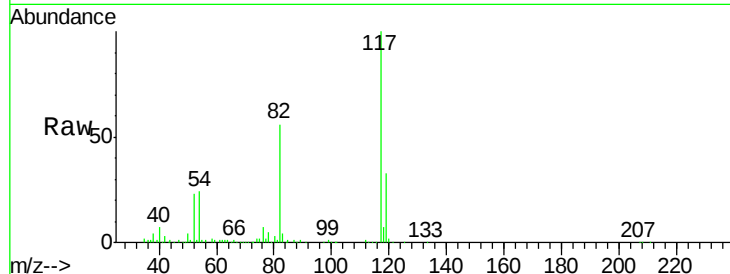
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059320.D
Acq: 26 Jun 2018 16:46

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-27-29-180619RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.6	66.8
119	32.9	24.1	36.1

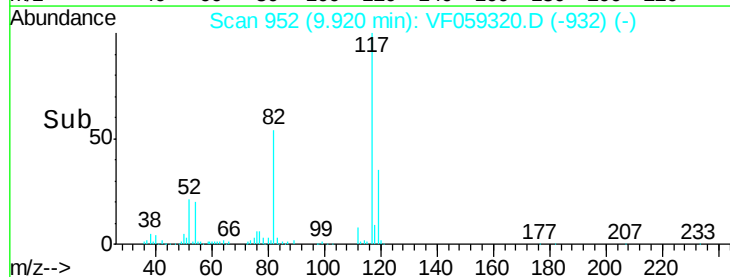
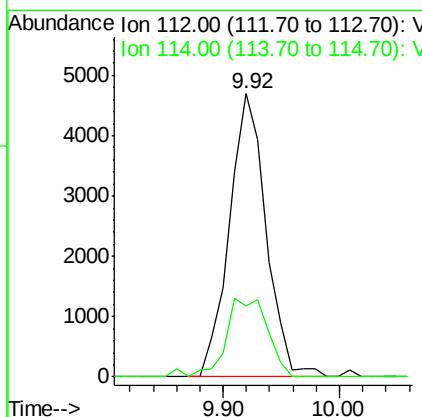
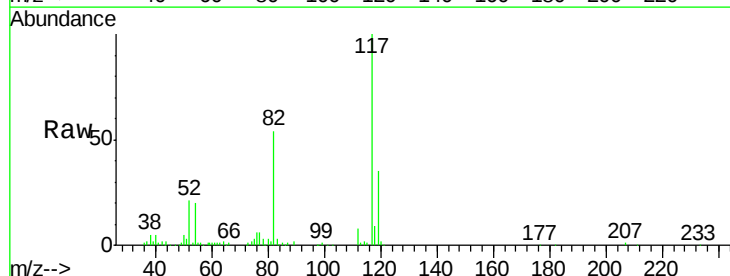
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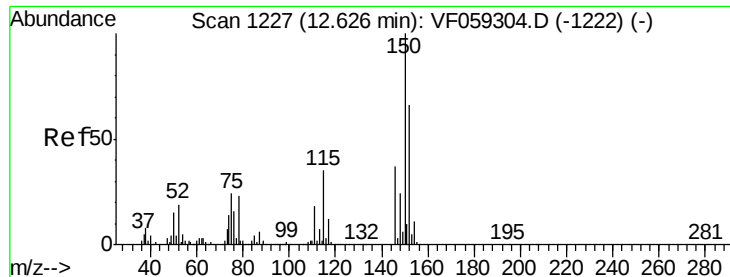
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#65
Chlorobenzene
Concen: 1.42 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF059320.D
Acq: 26 Jun 2018 16:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	25.1	26.5	39.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059320.D

Acq: 26 Jun 2018 16:46

Instrument :

MSVOA_F

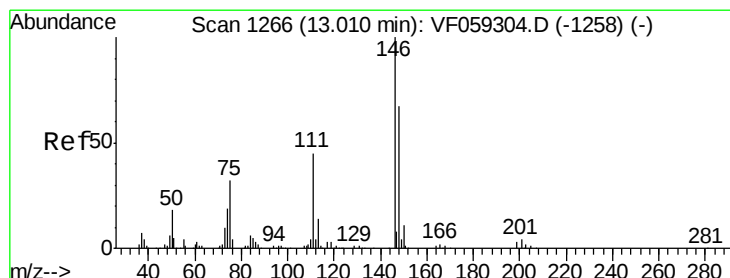
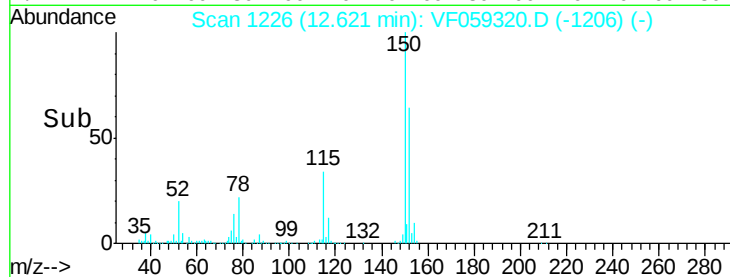
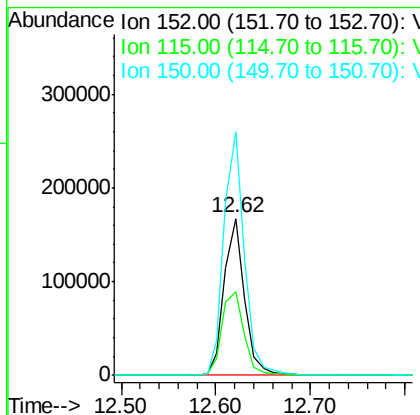
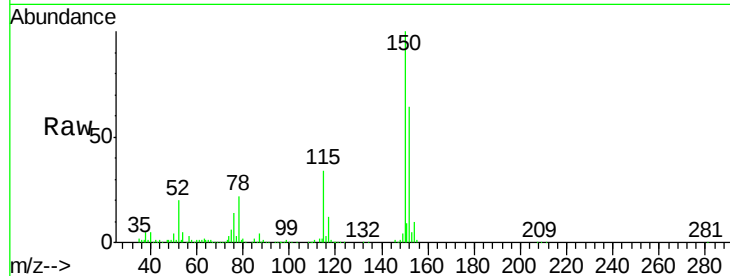
ClientSampleId :

WP021SB476-27-29-180619RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.1	81.3
150	155.5	0.0	305.2

Manual Integrations
APPROVED

apatel
6/27/2018 5:47:32 PM



#91

1,2-Dichlorobenzene

Concen: 4.62 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF059320.D

Acq: 26 Jun 2018 16:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.3	22.7	68.0
148	67.2	33.5	100.4

