

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059321.D
 Acq On : 26 Jun 2018 17:14
 Operator : VA/AP
 Sample : J3664-14RE
 Misc : 5.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB485-23-25-180619RE

Manual Integrations
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Quant Time: Jun 27 04:43:13 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	239086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	370519	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	314049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	172593	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	137293	44.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.90%	
35) Dibromofluoromethane	4.27	113	127081	46.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.88%	
50) Toluene-d8	7.69	98	278392	41.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.06%	
62) 4-Bromofluorobenzene	11.50	95	186965	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	180973	233.93	ug/l	97
20) Methylene Chloride	2.27	84	14785m	1.34	ug/l	
25) 2-Butanone	4.49	43	57572	59.52	ug/l	96
39) Methylcyclohexane	5.61	83	65318	22.77	ug/l	99
65) Chlorobenzene	9.92	112	379791	65.26	ug/l	99
69) o-Xylene	10.82	106	5381	1.37	ug/l	94
73) Isopropylbenzene	11.21	105	12583	1.25	ug/l	82
83) tert-Butylbenzene	12.21	119	55474	6.30	ug/l	88
85) sec-Butylbenzene	12.37	105	274369	23.50	ug/l #	42
89) n-Butylbenzene	12.91	91	89495	9.00	ug/l	89

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

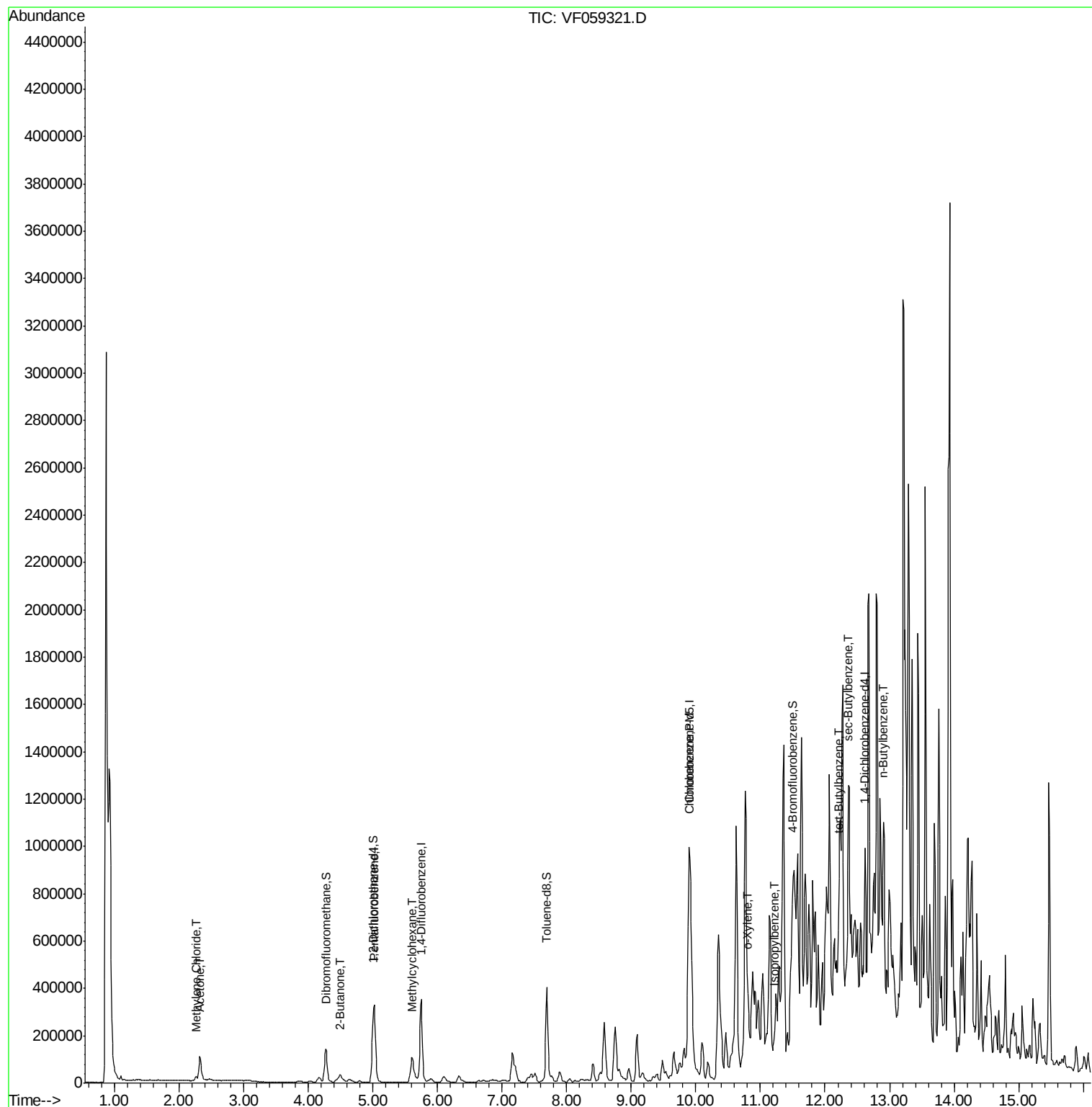
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Data File : VF059321.D
Acq On : 26 Jun 2018 17:14
Operator : VA/AP
Sample : J3664-14RE
Misc : 5.40q/5mL/MSVOA-F/SOIL
ALS Vial : 12 Sample Multiplier: 1

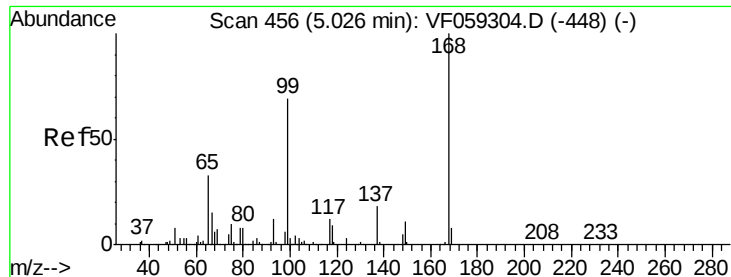
Instrument :
MSVOA_F
ClientSampleId :
WP021SB485-23-25-180619RE

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Quant Time: Jun 27 04:43:13 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: VF059321.D

Acq: 26 Jun 2018 17:14

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-23-25-180619RE

Tot Ion:168 Resp: 239086

Ion Ratio Lower Upper

168 100

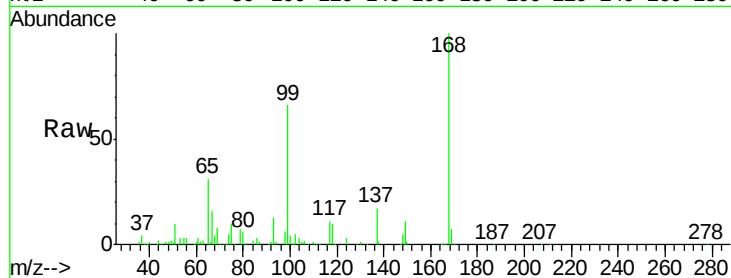
99 66.2 54.9 82.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

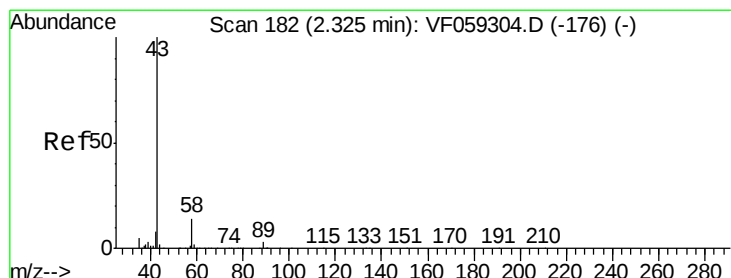
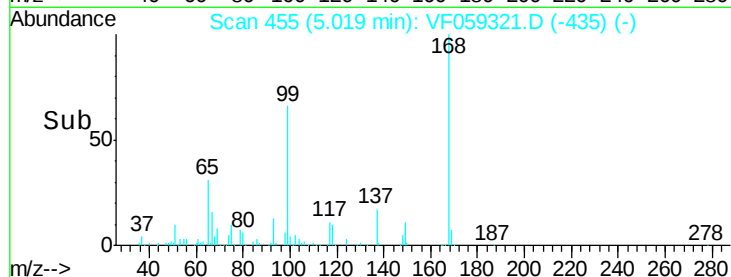
60000

40000

20000

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Time-->



#16

Acetone

Concen: 233.93 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF059321.D

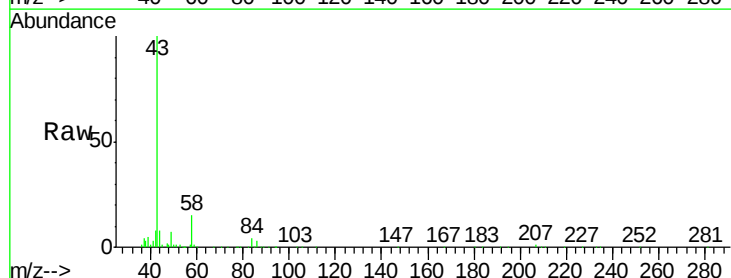
Acq: 26 Jun 2018 17:14

Tgt Ion: 43 Resp: 180973

Ion Ratio Lower Upper

43 100

58 15.3 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

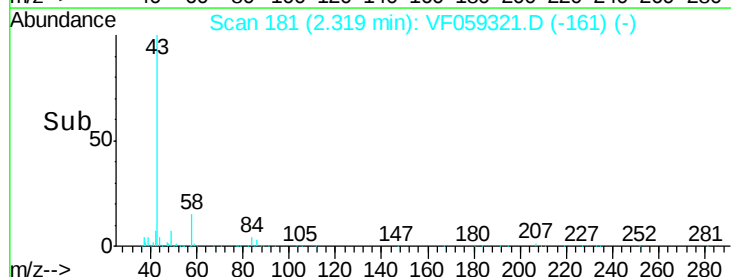
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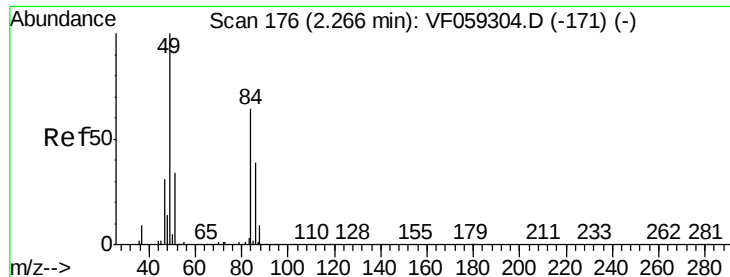
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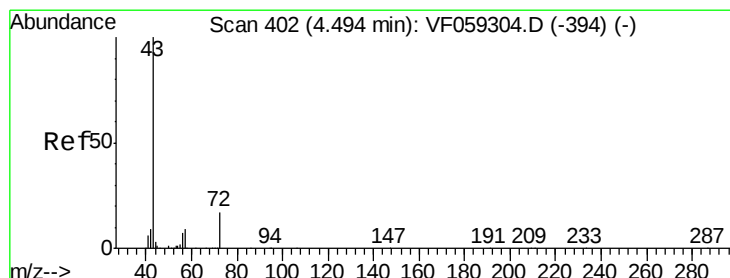
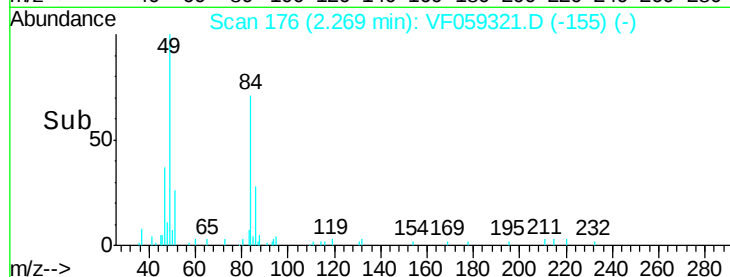
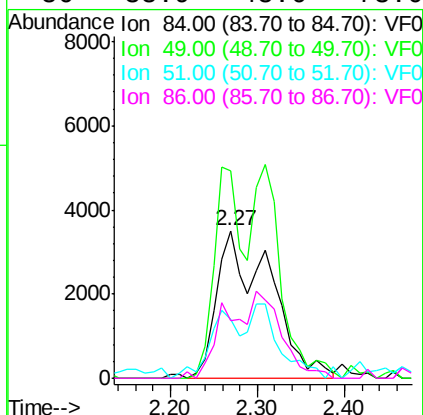
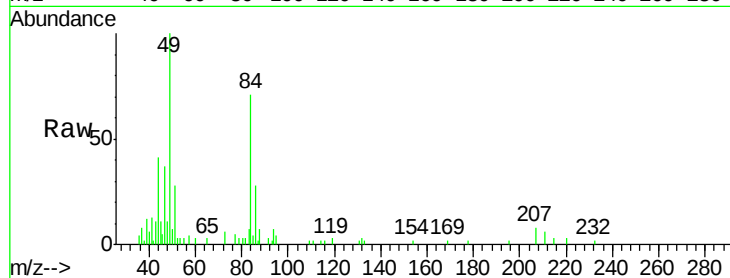
#20
Methvlene Chloride
Concen: 1.34 ug/l m
RT: 2.27 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF059321.D
Acq: 26 Jun 2018 17:14

Instrument :
MSVOA_F
ClientSampleId :
WP021SB485-23-25-180619RE

Tot Ion	Ratio	Lower	Upper
84	100		
49	140.4	126.5	189.7
51	39.5	42.9	64.3#
86	38.9	48.6	73.0#

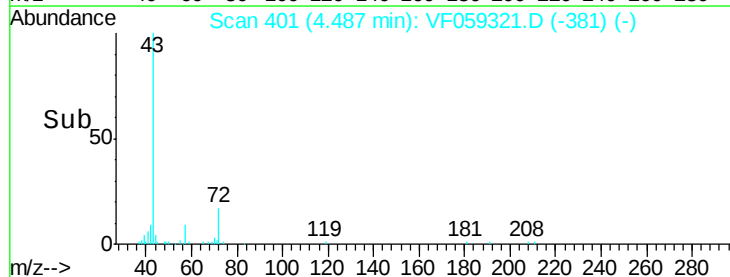
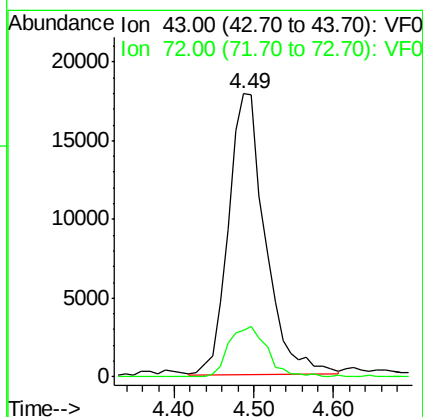
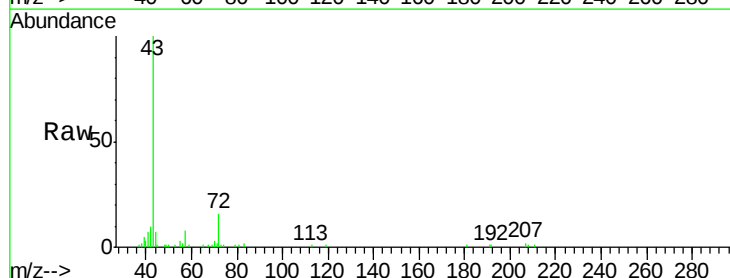
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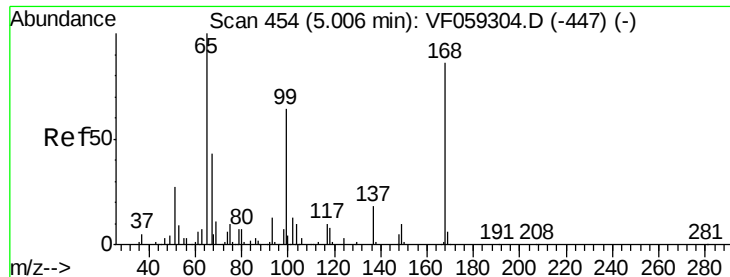
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#25
2-Butanone
Concen: 59.52 ug/l
RT: 4.49 min Scan# 401
Delta R.T. -0.01 min
Lab File: VF059321.D
Acq: 26 Jun 2018 17:14

Tgt Ion	Ratio	Lower	Upper
43	100		
72	16.3	14.4	21.6





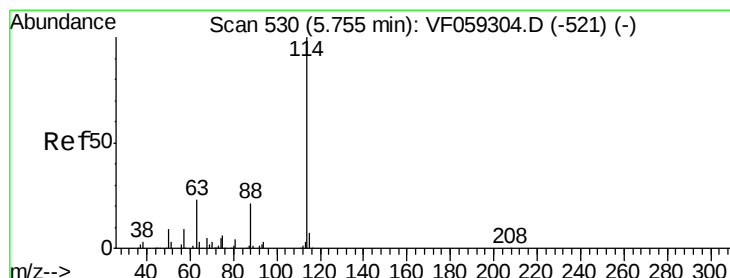
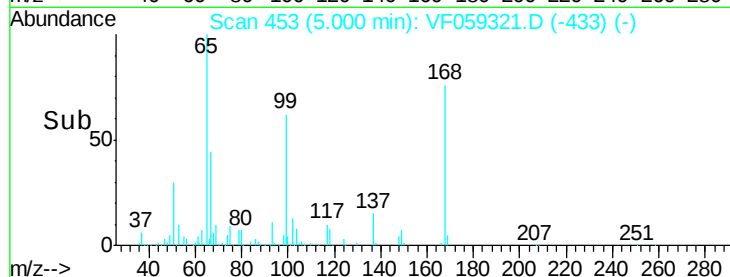
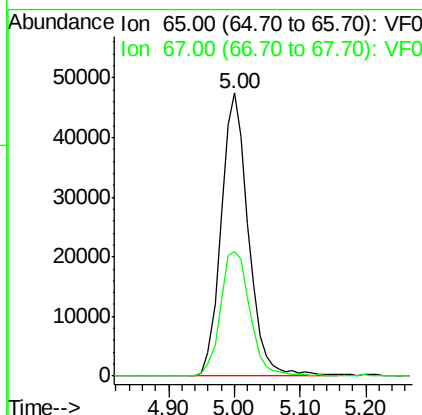
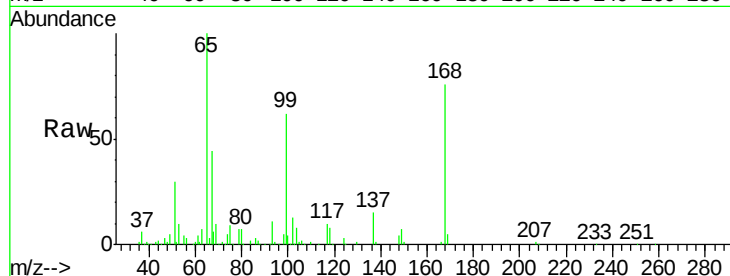
#33
 1,2-Dichloroethane-d4
 Concen: 44.45 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059321.D
 Acq: 26 Jun 2018 17:14

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB485-23-25-180619RE

Tot Ion	Ratio	Resp	Lower	Upper
65	100	137293		
67	44.1	0.0	96.8	

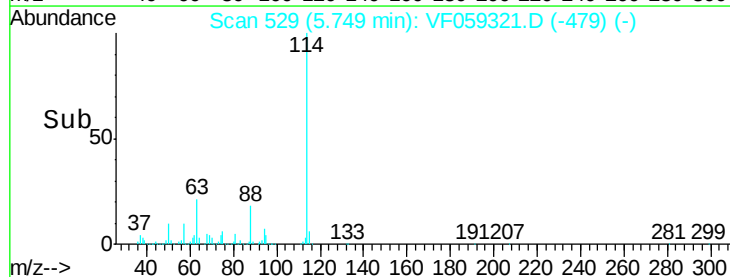
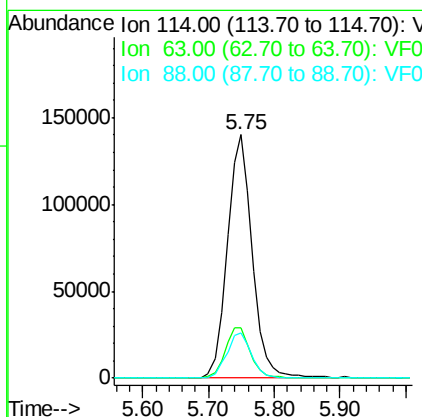
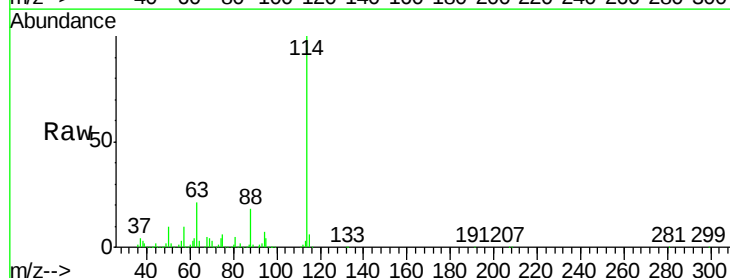
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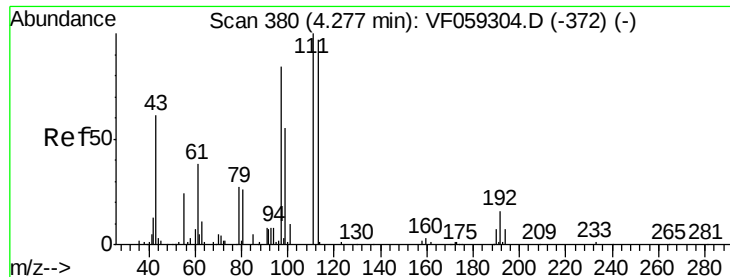
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059321.D
 Acq: 26 Jun 2018 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	370519		
63	20.9	0.0	45.8	
88	18.4	0.0	41.2	





#35

Dibromofluoromethane

Concen: 46.94 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

Instrument :

MSVOA_F

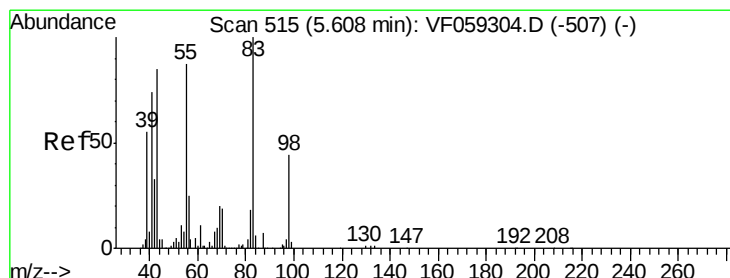
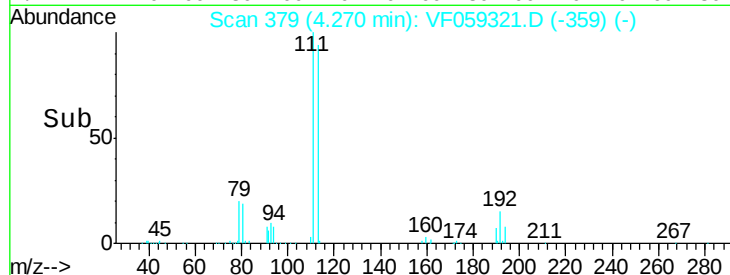
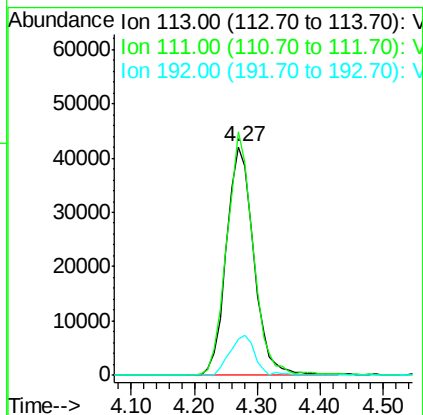
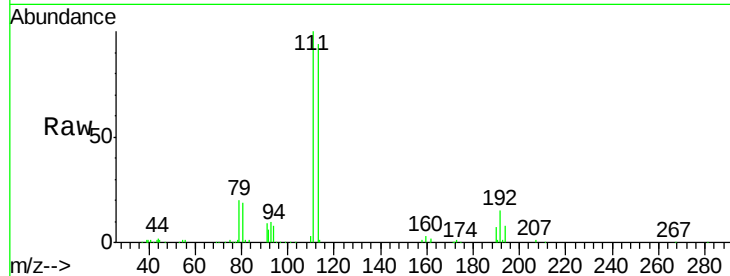
ClientSampleId :

WP021SB485-23-25-180619RE

Tot Ion:	113	Resp:	127081
Ion Ratio	Lower	Upper	
113	100		
111	106.5	82.1	123.1
192	16.0	13.0	19.6

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#39

Methylcyclohexane

Concen: 22.77 ug/l

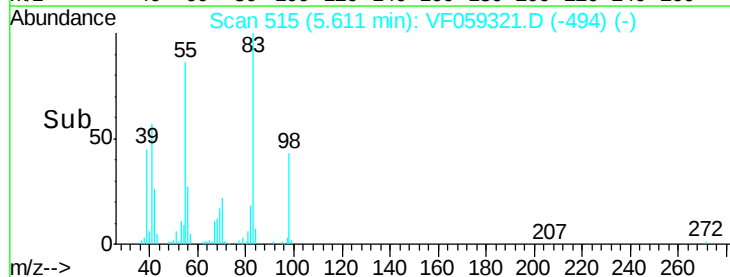
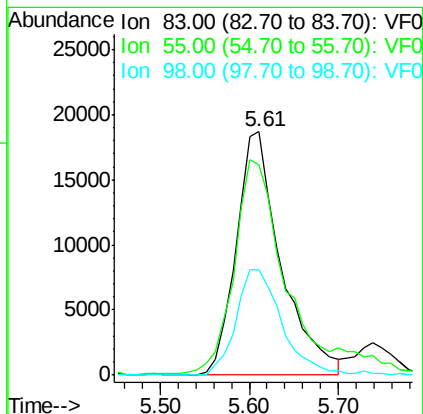
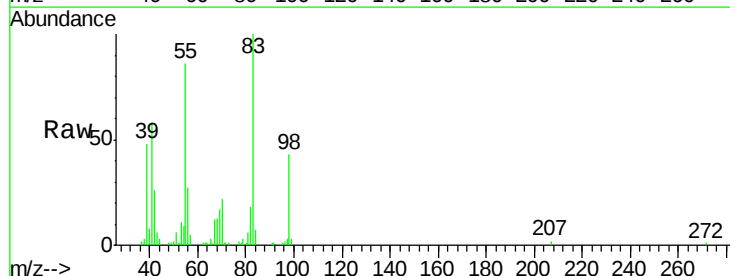
RT: 5.61 min Scan# 515

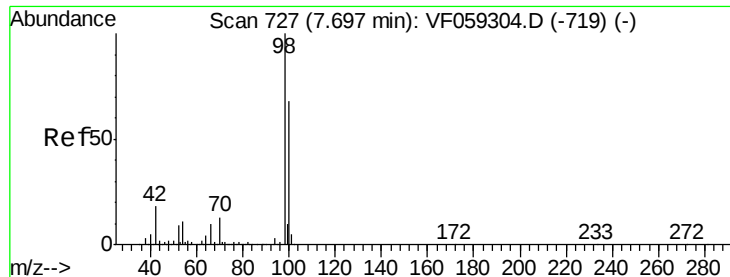
Delta R.T. 0.00 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

Tgt Ion:	83	Resp:	65318
Ion Ratio	Lower	Upper	
83	100		
55	86.2	69.2	103.8
98	43.1	35.0	52.6





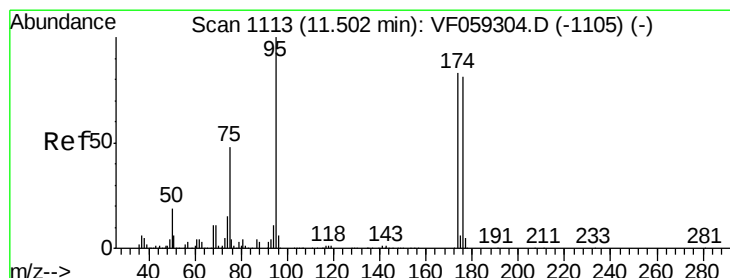
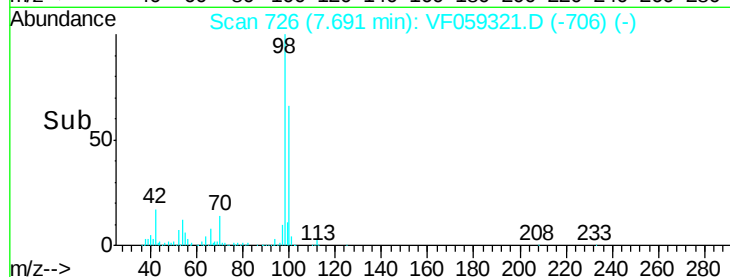
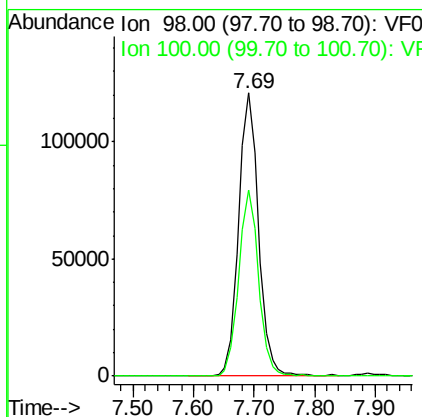
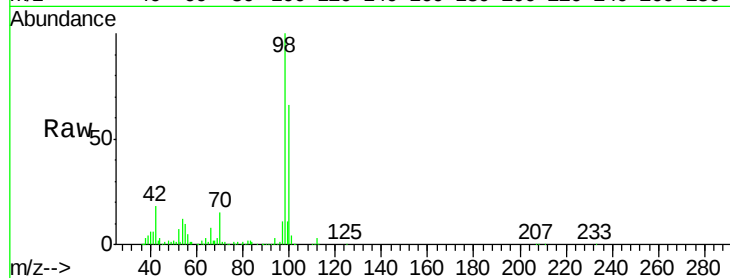
#50
Toluene-d8
Concen: 41.53 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF059321.D
Acq: 26 Jun 2018 17:14

Instrument :
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ClientSampleId :
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Tot Ion: 98 Resp: 278392
Ion Ratio Lower Upper
98 100
100 65.7 54.6 82.0

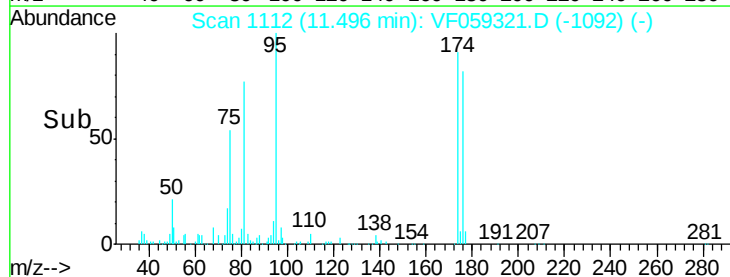
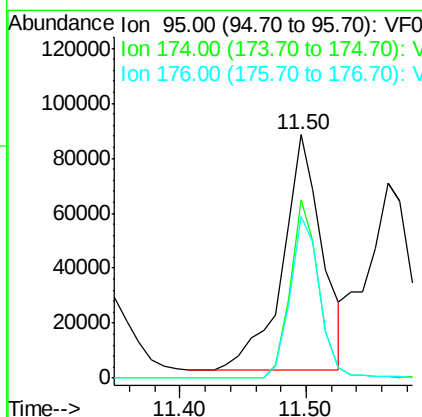
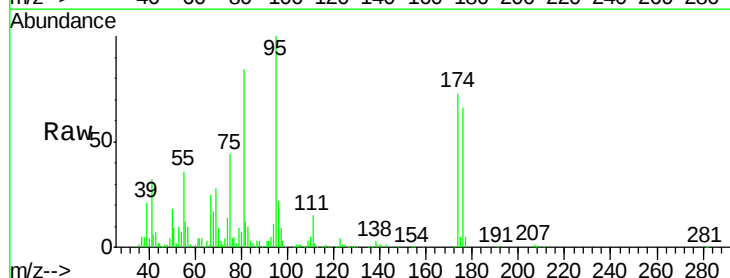
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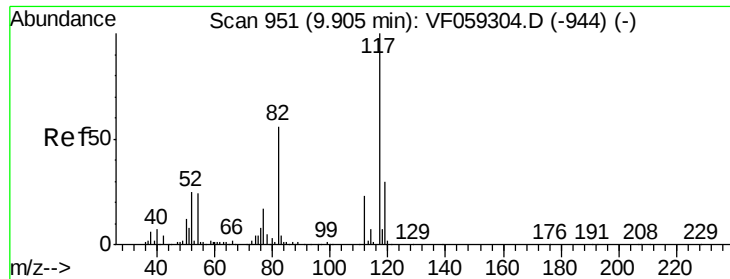
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#62
4-Bromofluorobenzene
Concen: 49.45 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF059321.D
Acq: 26 Jun 2018 17:14

Tgt Ion: 95 Resp: 186965
Ion Ratio Lower Upper
95 100
174 73.4 0.0 165.2
176 66.2 0.0 161.0





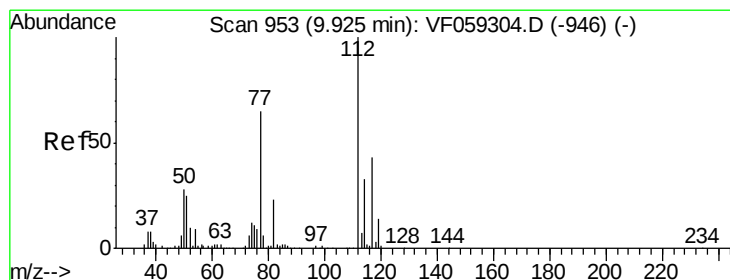
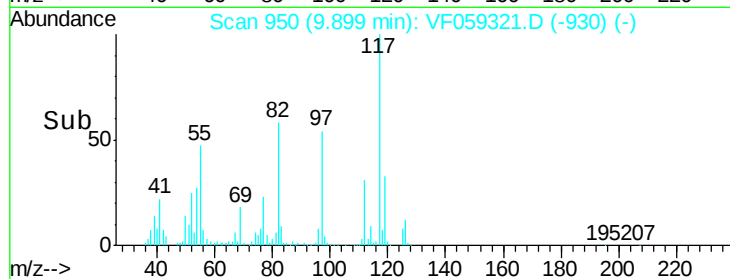
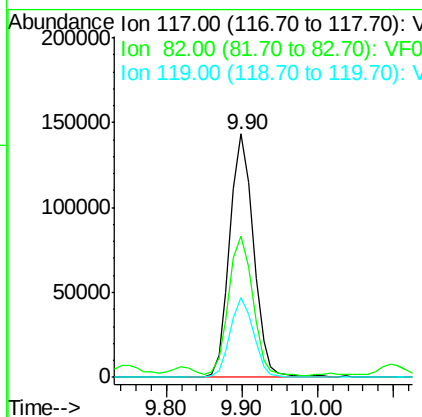
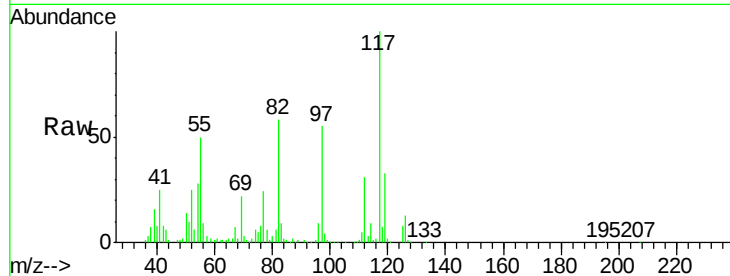
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Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059321.D
Acq: 26 Jun 2018 17:14

Instrument :
MSVOA_F
ClientSampleId :
WP021SB485-23-25-180619RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	44.6	66.8
119	32.5	24.1	36.1

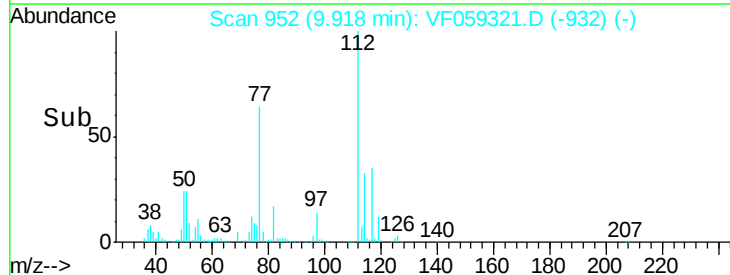
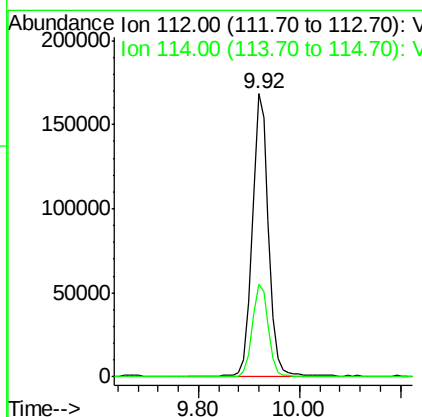
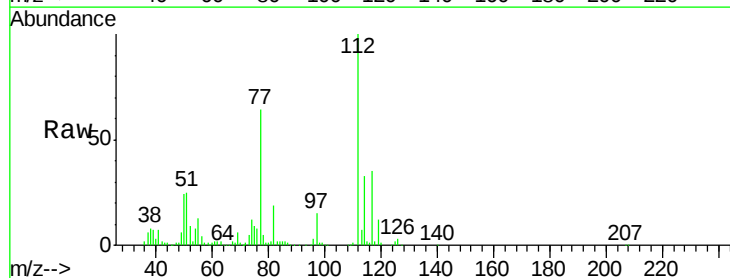
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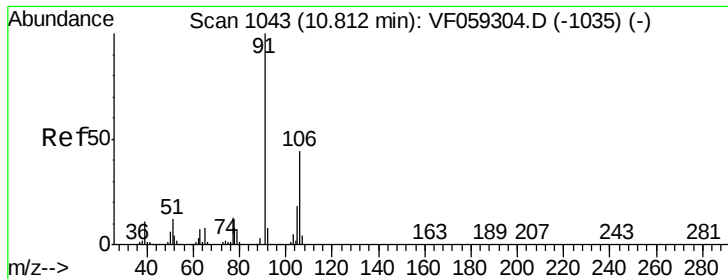
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#65
Chlorobenzene
Concen: 65.26 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF059321.D
Acq: 26 Jun 2018 17:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.5	39.7





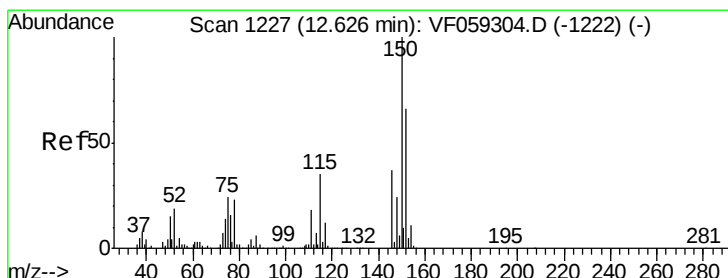
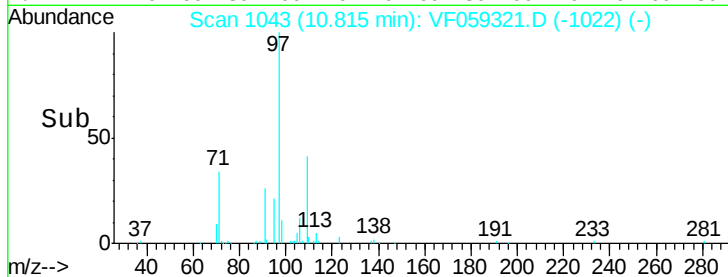
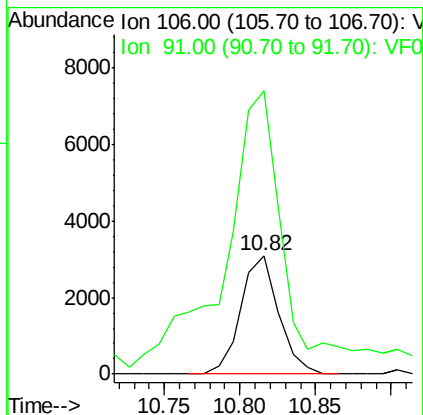
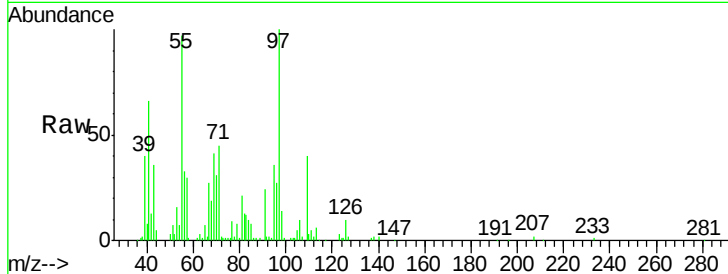
#69
o-Xylene
Concen: 1.37 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VF059321.D
Acq: 26 Jun 2018 17:14

Instrument :
MSVOA_F
ClientSampleId :
WP021SB485-23-25-180619RE

Tot Ion	Ratio	Lower	Upper
106	100		
91	239.3	114.6	343.6

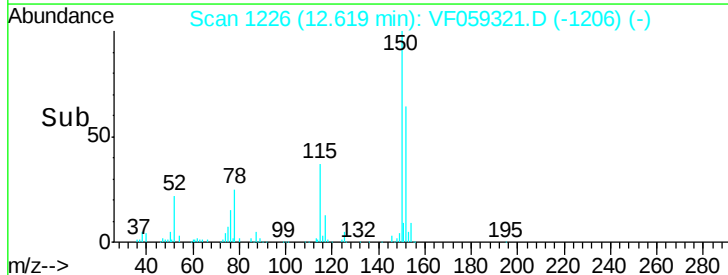
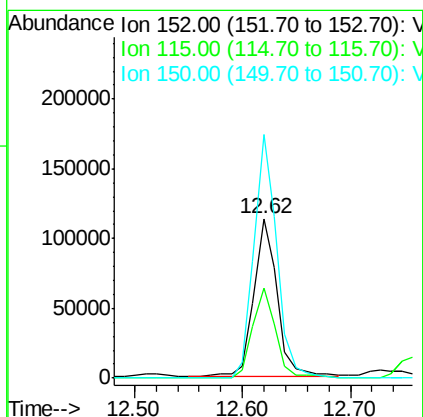
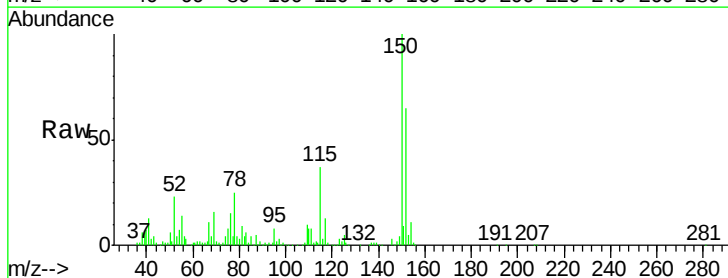
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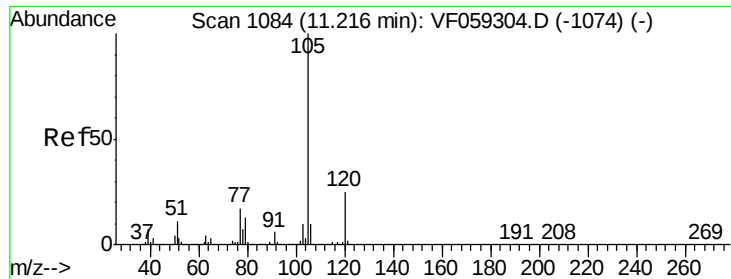
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059321.D
Acq: 26 Jun 2018 17:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.1	81.3
150	153.0	0.0	305.2





#73

Isopropylbenzene

Concen: 1.25 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-23-25-180619RE

Tot Ion:105 Resp: 12583

Ion Ratio Lower Upper

105 100

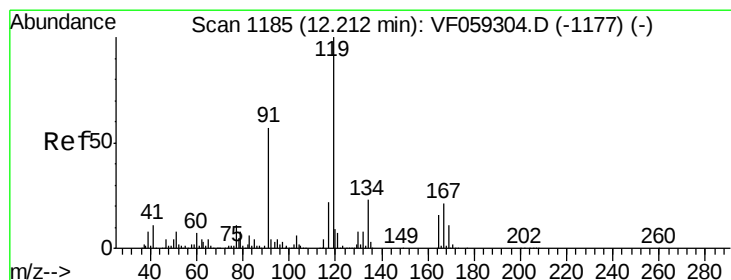
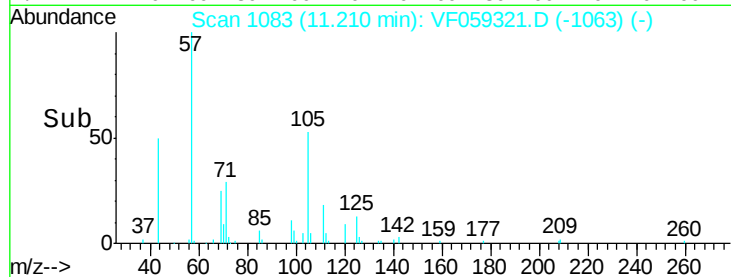
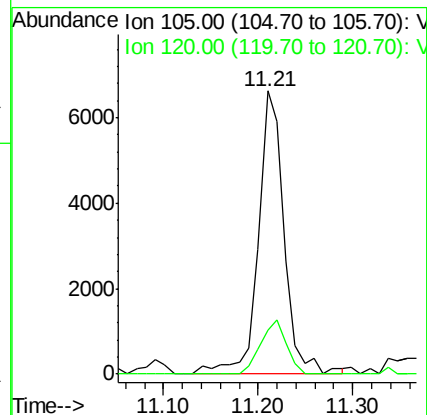
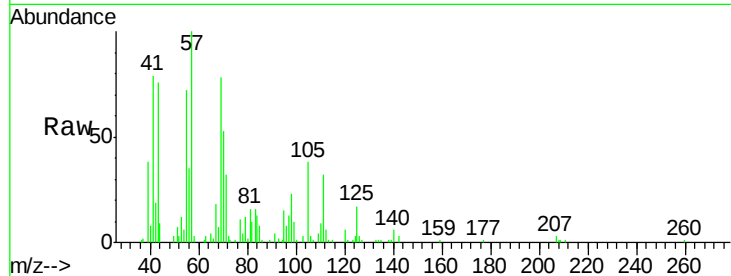
120 15.6 12.3 36.8

Manual Integrations

APPROVED

apatel

6/27/2018 5:48:14 PM



#83

tert-Butylbenzene

Concen: 6.30 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

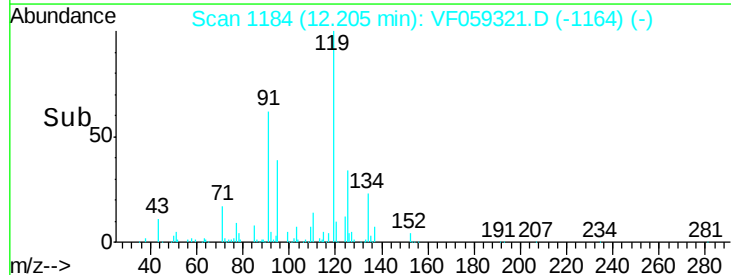
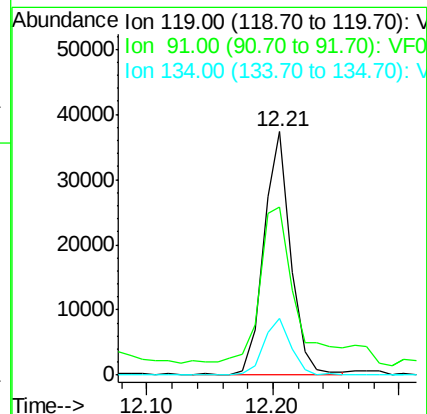
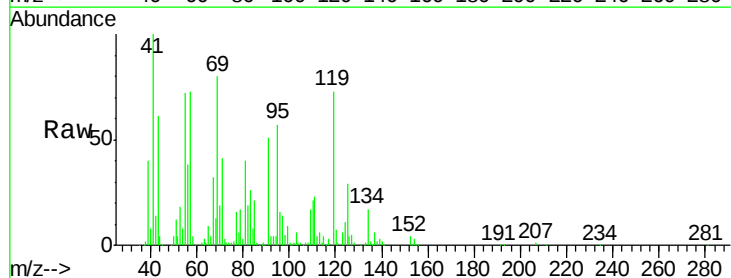
Tgt Ion:119 Resp: 55474

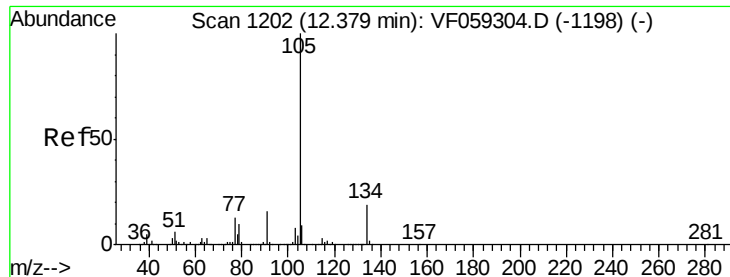
Ion Ratio Lower Upper

119 100

91 69.1 28.4 85.2

134 23.5 11.7 35.1





#85

sec-Butylbenzene

Concen: 23.50 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-23-25-180619RE

Tot Ion: 105 Resp: 274369

Ion Ratio Lower Upper

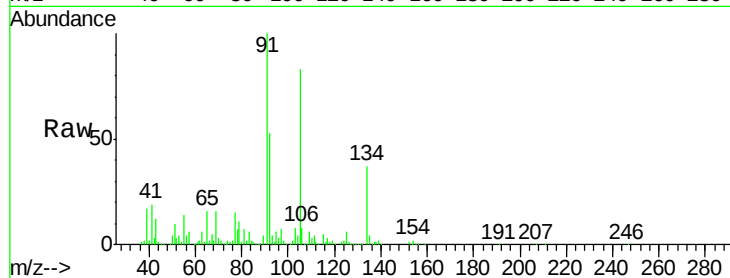
105 100

134 44.8 9.4 28.3#

Manual Integrations
APPROVED

apatel

6/27/2018 5:48:14 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.37

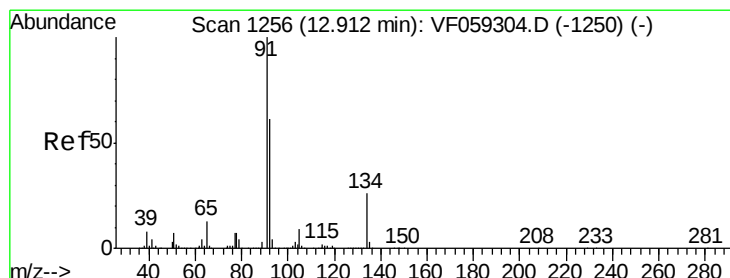
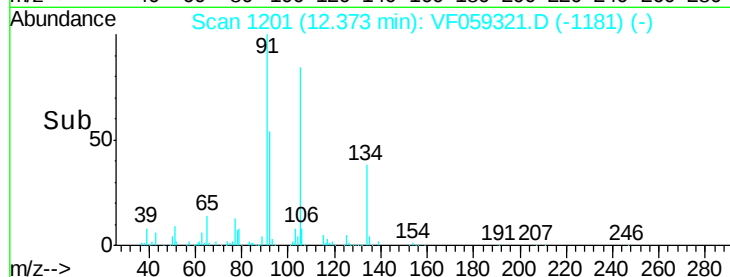
150000

100000

50000

0

Time-->



#89

n-Butylbenzene

Concen: 9.00 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

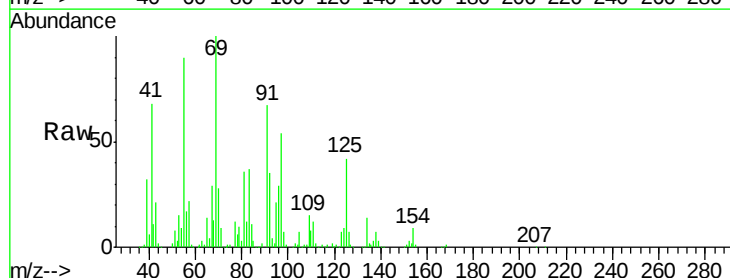
Tgt Ion: 91 Resp: 89495

Ion Ratio Lower Upper

91 100

92 52.5 30.3 91.0

134 20.8 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

12.91

80000

60000

40000

20000

0

Time-->

