

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059322.D
 Acq On : 26 Jun 2018 17:41
 Operator : VA/AP
 Sample : J3664-15RE
 Misc : 5.35g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB485-25-27-180619RE

Manual Integrations
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Quant Time: Jun 27 04:53:32 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	243442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	401038	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	309882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	154480	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	109201	34.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.44%	
35) Dibromofluoromethane	4.27	113	106281	36.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.54%	
50) Toluene-d8	7.69	98	238554	32.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.76%	
62) 4-Bromofluorobenzene	11.50	95	207722	50.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.52%	
Target Compounds						
						Qvalue
16) Acetone	2.32	43	120809	149.70	ug/l	98
17) Carbon Disulfide	1.84	76	10184	3.02	ug/l	98
20) Methylene Chloride	2.27	84	19474m	4.28	ug/l	
25) 2-Butanone	4.49	43	46725	46.88	ug/l	100
31) Cyclohexane	3.84	56	9581	3.95	ug/l	91
39) Methylcyclohexane	5.60	83	147807	47.61	ug/l	92
40) Benzene	4.79	78	17312	2.23	ug/l	97
52) Toluene	7.76	92	7370	1.27	ug/l	93
64) Tetrachloroethene	8.29	164	6297	3.13	ug/l	88
65) Chlorobenzene	9.93	112	853716	148.68	ug/l	99
67) Ethyl Benzene	10.02	91	16575	1.70	ug/l #	73
68) m/p-Xylenes	10.25	106	3993	1.15	ug/l	81
69) o-Xylene	10.82	106	11851	3.06	ug/l	74
73) Isopropylbenzene	11.22	105	63998	7.11	ug/l	97
78) n-propylbenzene	11.67	91	65440	6.05	ug/l	91
83) tert-Butylbenzene	12.21	119	212114	26.90	ug/l	83
85) sec-Butylbenzene	12.38	105	1442671	138.04	ug/l #	65
88) 1,4-Dichlorobenzene	12.64	146	103337	23.17	ug/l #	71
89) n-Butylbenzene	12.92	91	927803m	104.20	ug/l	

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

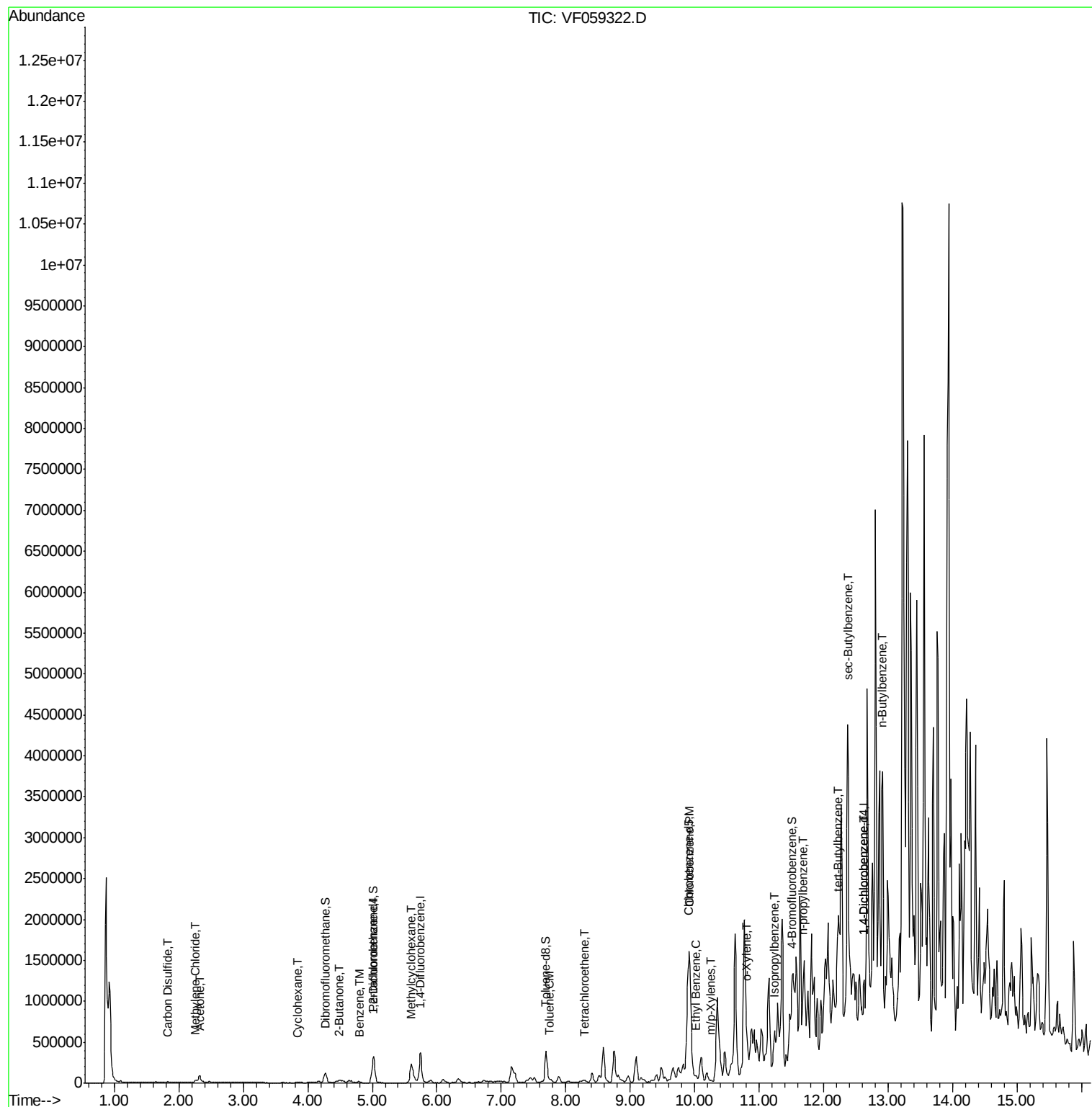
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062618\
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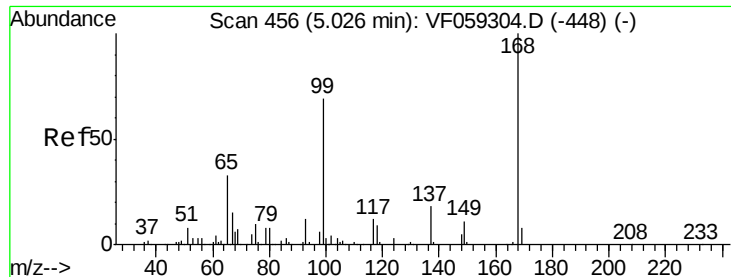
Instrument :
MSVOA_F
ClientSampleId :
WP021SB485-25-27-180619RE

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Quant Time: Jun 27 04:53:32 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: VF059322.D

Acq: 26 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-25-27-180619RE

Tot Ion:168 Resp: 243442

Ion Ratio Lower Upper

168 100

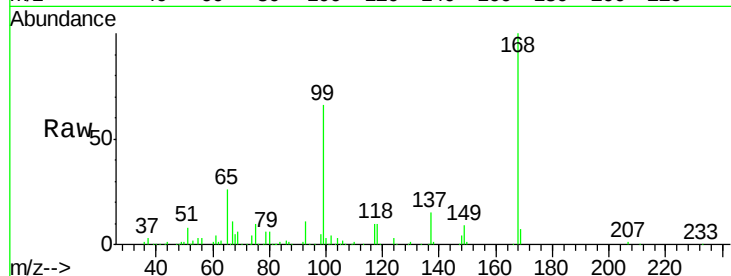
99 65.8 54.9 82.3

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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

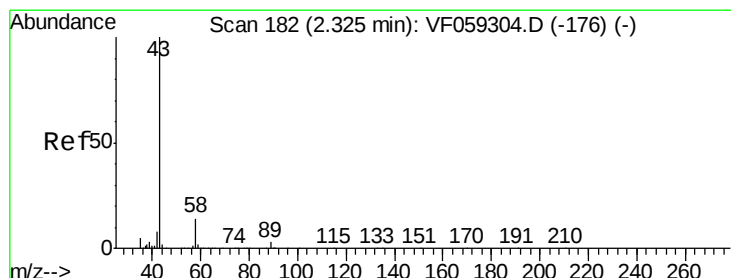
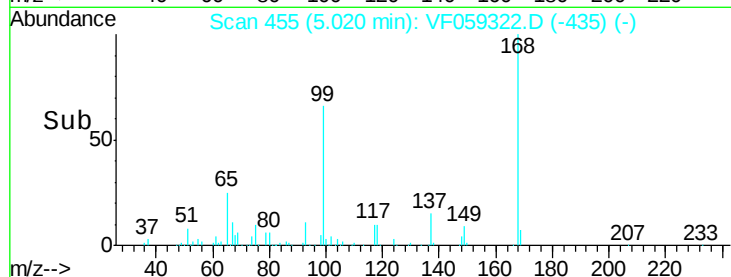
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#16

Acetone

Concen: 149.70 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF059322.D

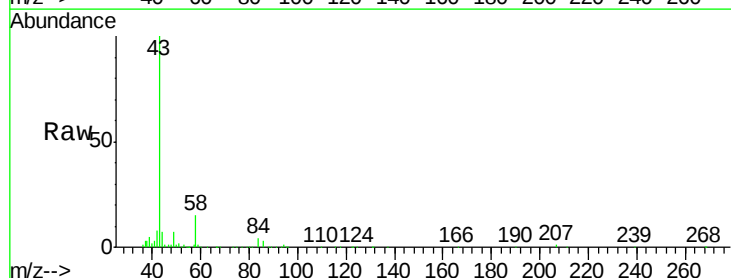
Acq: 26 Jun 2018 17:41

Tgt Ion: 43 Resp: 120809

Ion Ratio Lower Upper

43 100

58 14.8 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.32

60000

50000

40000

30000

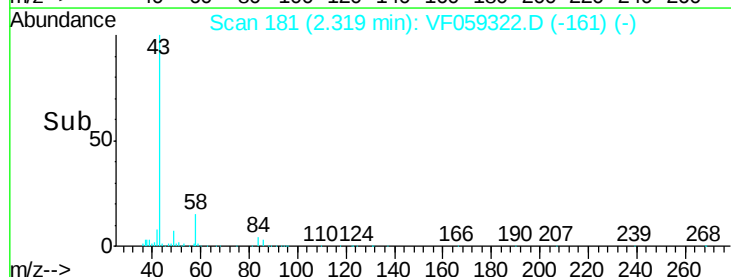
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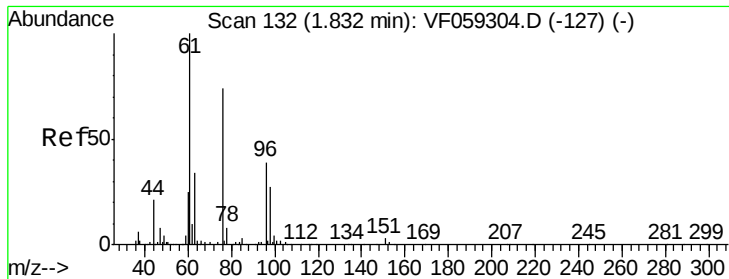
10000

0

Time-->

2.25 2.30 2.35 2.40





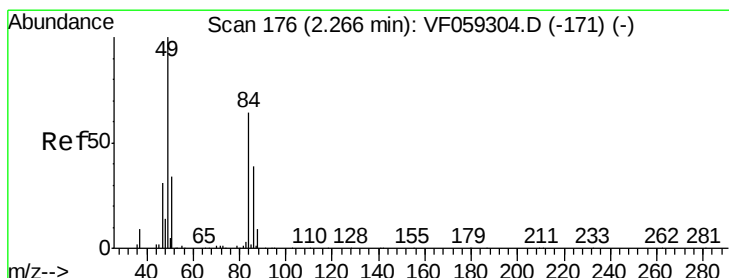
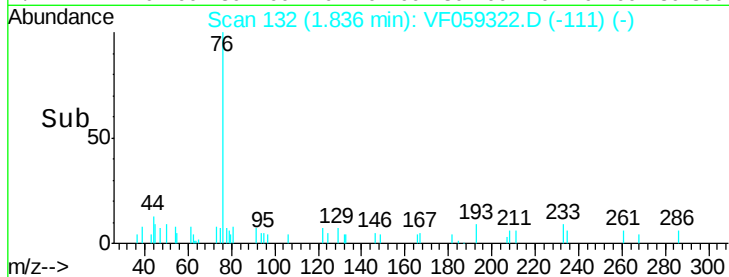
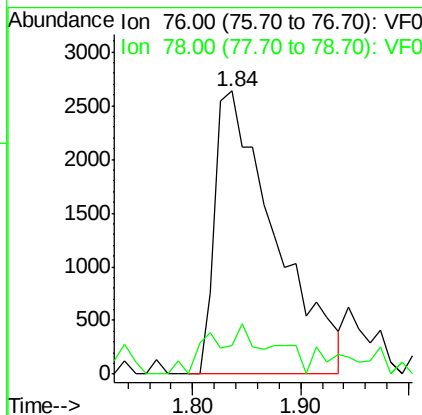
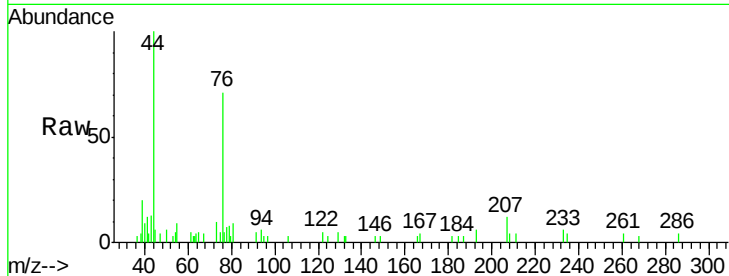
#17
Carbon Disulfide
Concen: 3.02 ug/l
RT: 1.84 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF059322.D
Acq: 26 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
WP021SB485-25-27-180619RE

Tot Ion: 76 Resp: 10184
Ion Ratio Lower Upper
76 100
78 10.2 8.9 13.3

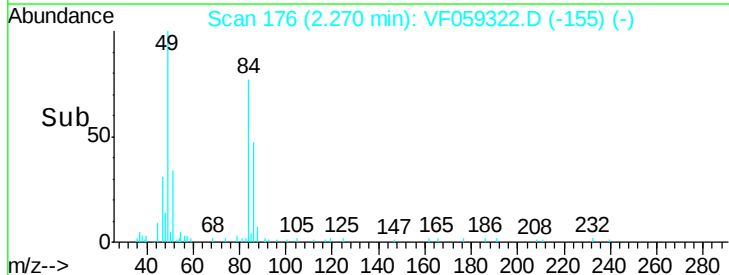
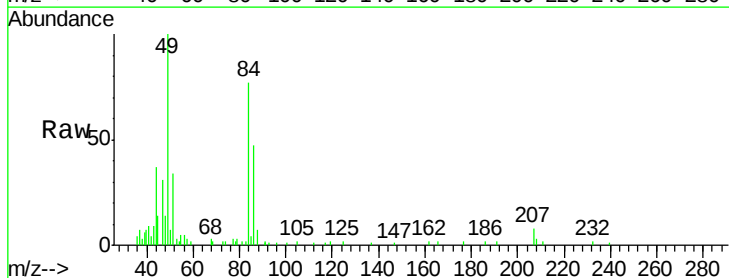
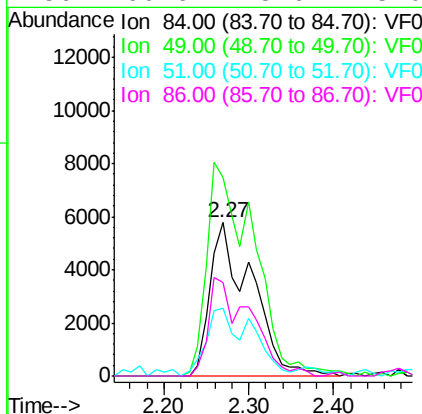
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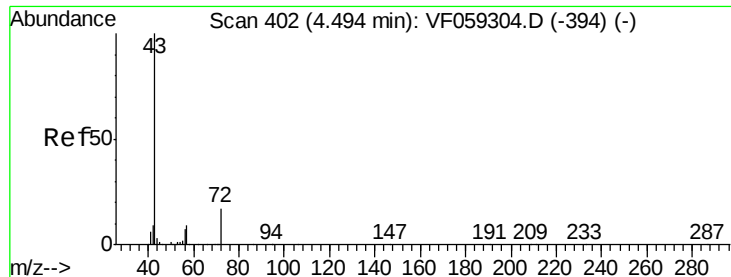
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#20
Methylene Chloride
Concen: 4.28 ug/l m
RT: 2.27 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF059322.D
Acq: 26 Jun 2018 17:41

Tgt Ion: 84 Resp: 19474
Ion Ratio Lower Upper
84 100
49 129.1 126.5 189.7
51 44.4 42.9 64.3
86 60.6 48.6 73.0





#25

2-Butanone

Concen: 46.88 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059322.D

Acq: 26 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-25-27-180619RE

Tot Ion: 43 Resp: 46725

Ion Ratio Lower Upper

43 100

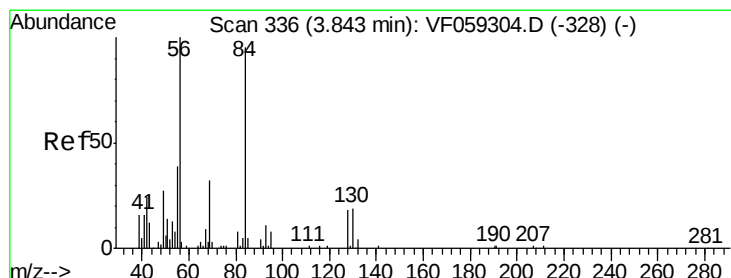
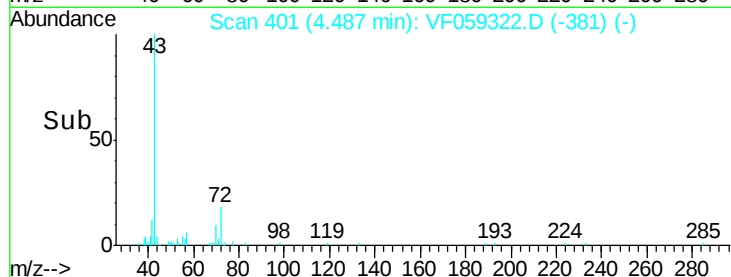
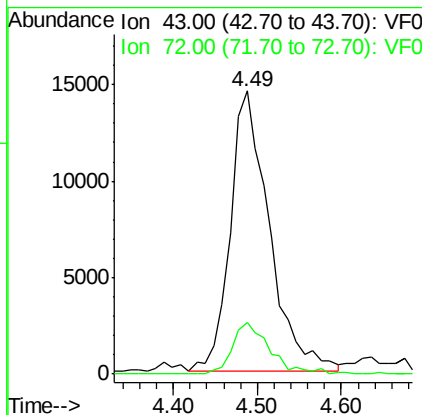
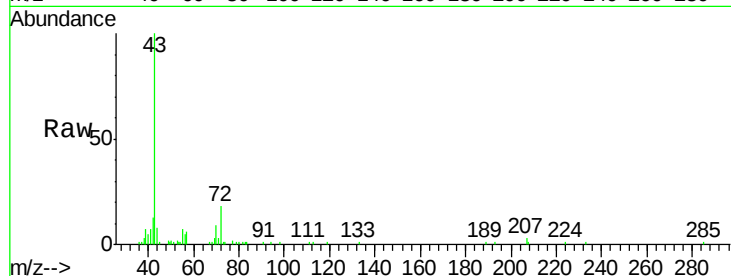
72 18.1 14.4 21.6

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#31

Cyclohexane

Concen: 3.95 ug/l

RT: 3.84 min Scan# 335

Delta R.T. -0.01 min

Lab File: VF059322.D

Acq: 26 Jun 2018 17:41

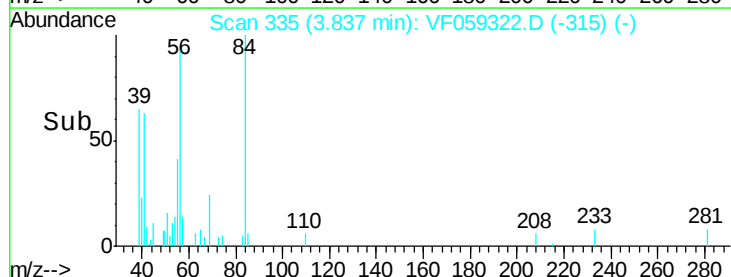
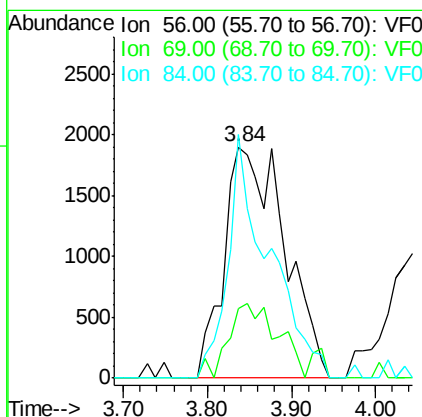
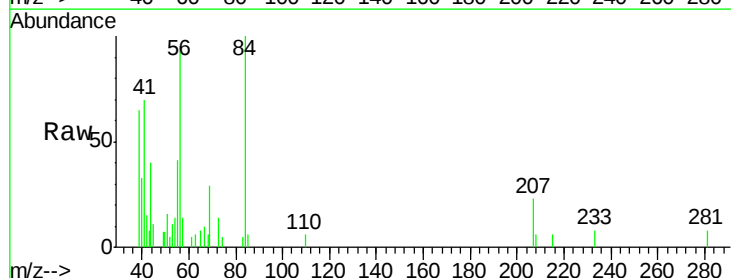
Tgt Ion: 56 Resp: 9581

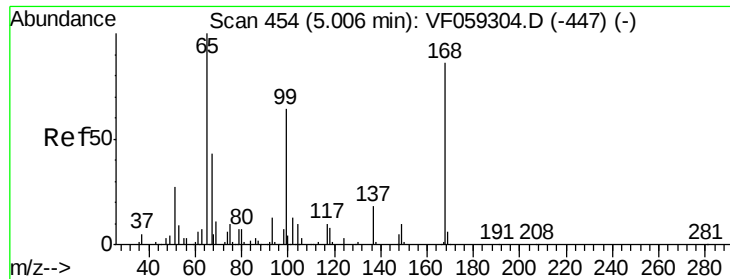
Ion Ratio Lower Upper

56 100

69 30.3 25.8 38.8

84 105.2 75.6 113.4





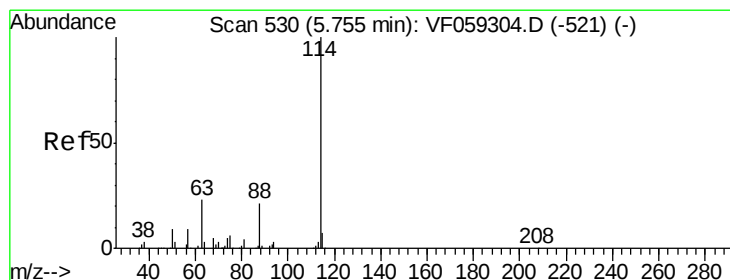
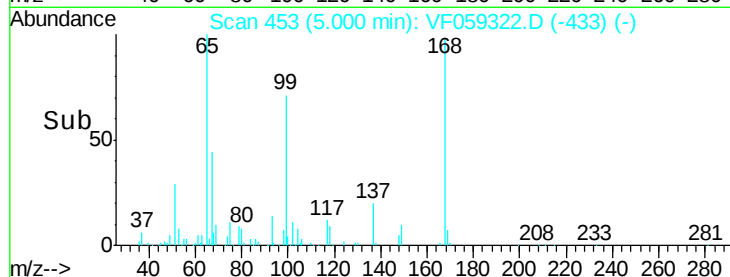
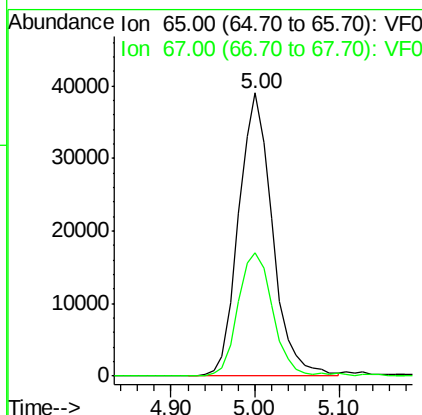
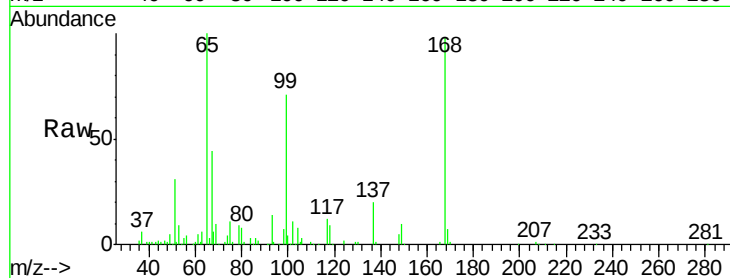
#33
 1,2-Dichloroethane-d4
 Concen: 34.72 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059322.D
 Acq: 26 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB485-25-27-180619RE

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109201		
67	43.5	0.0	96.8	

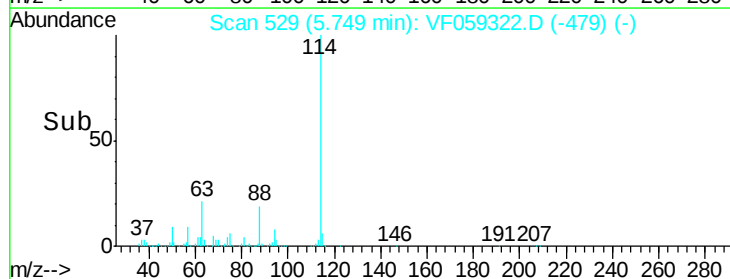
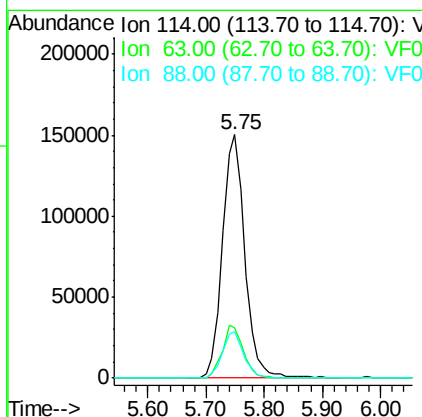
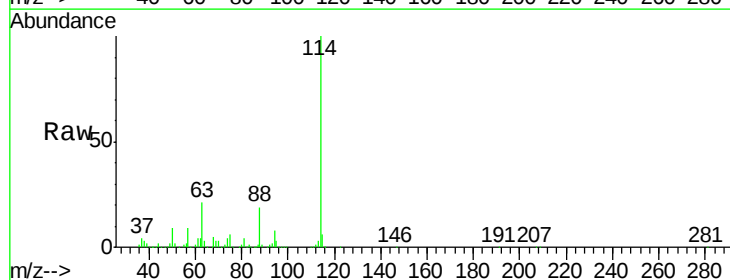
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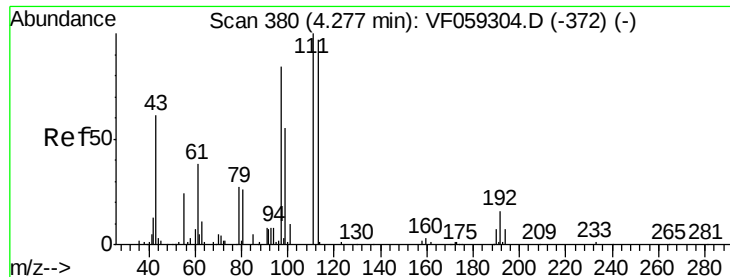
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059322.D
 Acq: 26 Jun 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	401038		
63	20.5	0.0	45.8	
88	19.3	0.0	41.2	





#35

Dibromofluoromethane

Concen: 36.27 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059322.D

Acq: 26 Jun 2018 17:41

Instrument :

MSVOA_F

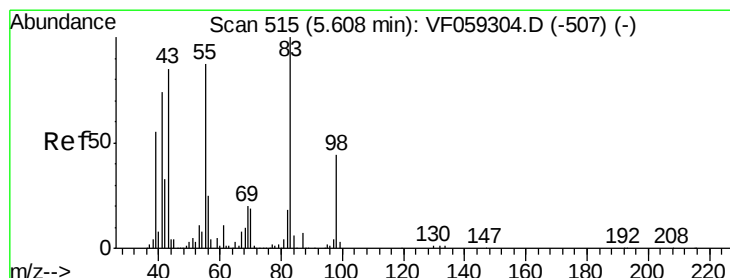
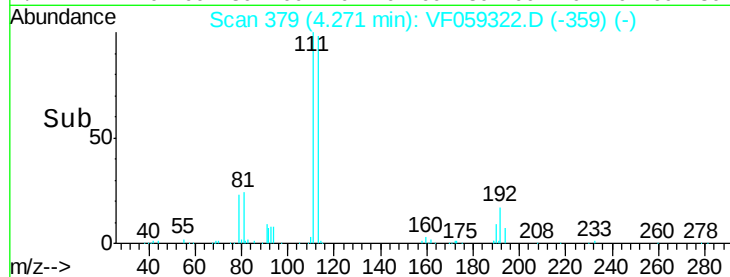
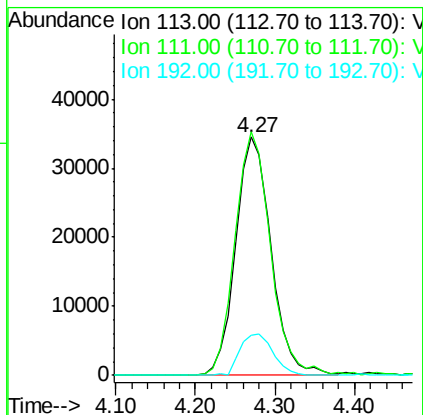
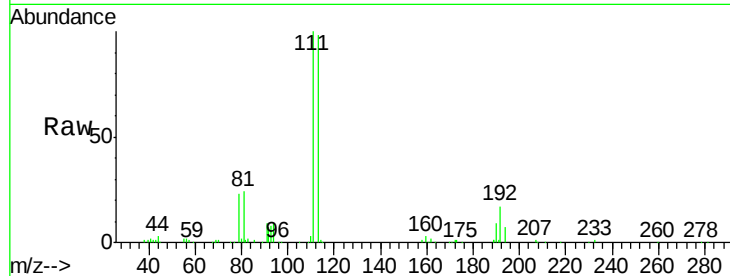
ClientSampleId :

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Tot Ion:	113	Resp:	106281
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.1	123.1
192	16.9	13.0	19.6

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#39

Methylcyclohexane

Concen: 47.61 ug/l

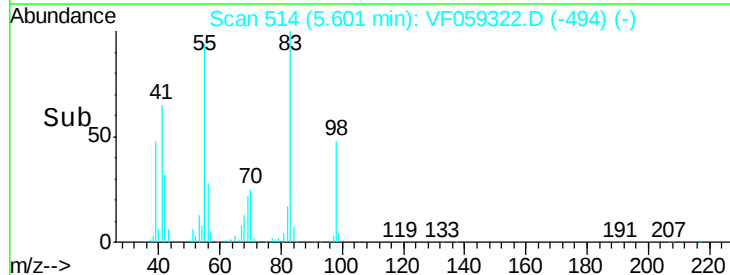
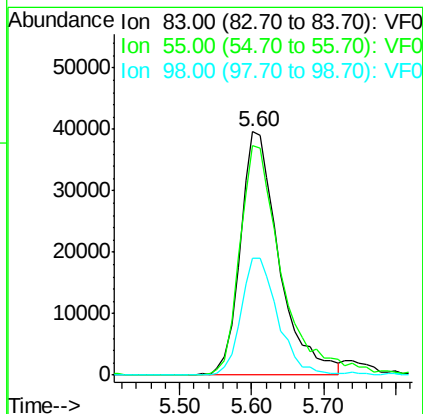
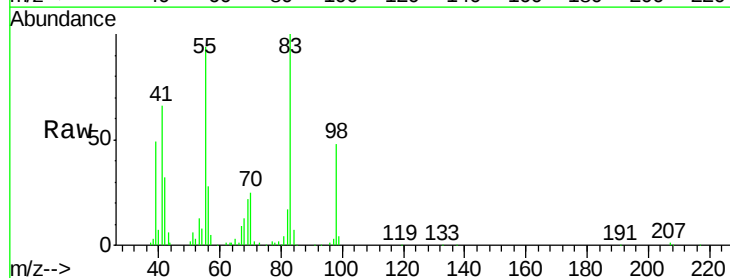
RT: 5.60 min Scan# 514

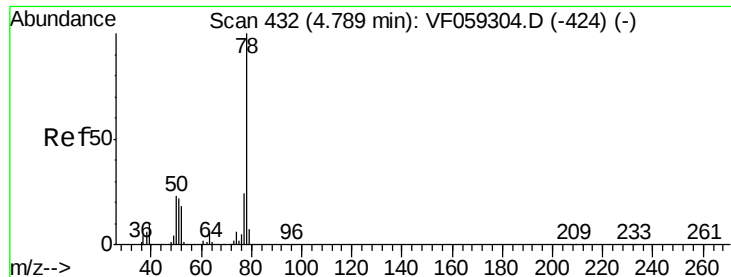
Delta R.T. -0.01 min

Lab File: VF059322.D

Acq: 26 Jun 2018 17:41

Tgt Ion:	83	Resp:	147807
Ion Ratio	Lower	Upper	
83	100		
55	94.5	69.2	103.8
98	47.9	35.0	52.6





#40

Benzene

Concen: 2.23 ug/l

RT: 4.79 min Scan# 432

Delta R.T. 0.00 min

Lab File: VF059322.D

Acq: 26 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

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Tot Ion: 78 Resp: 17312

Ion Ratio Lower Upper

78 100

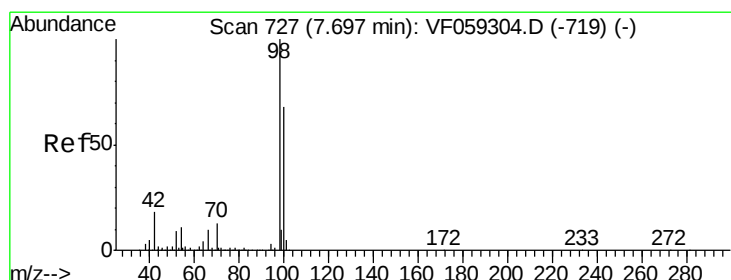
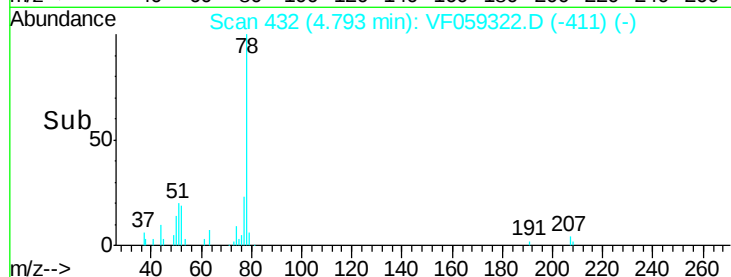
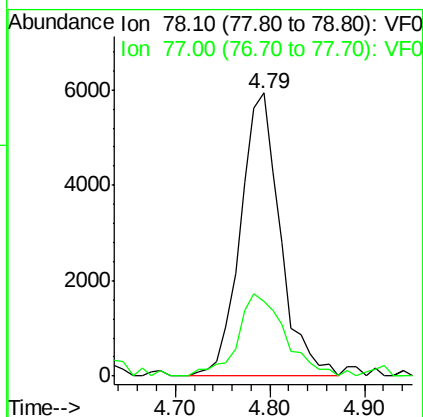
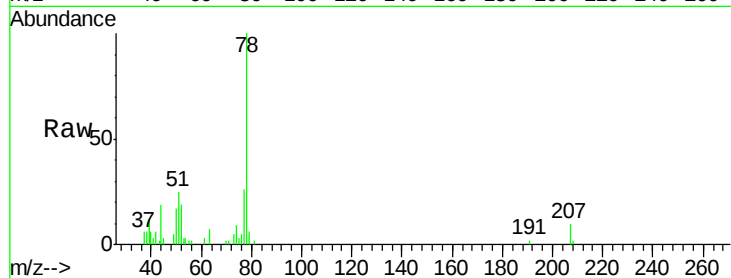
77 26.2 19.6 29.4

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#50

Toluene-d8

Concen: 32.88 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059322.D

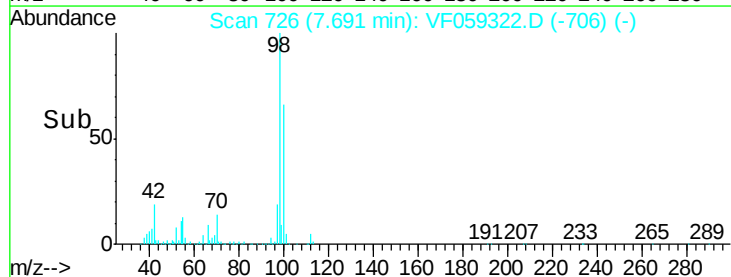
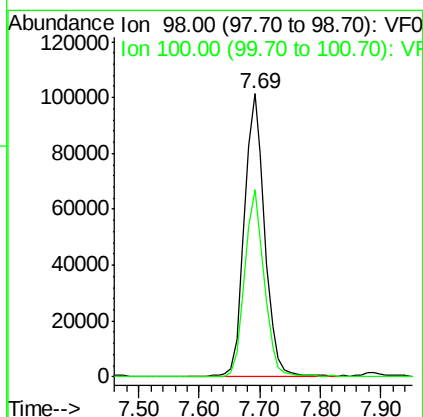
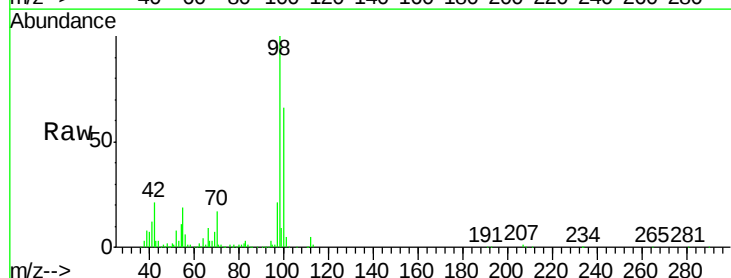
Acq: 26 Jun 2018 17:41

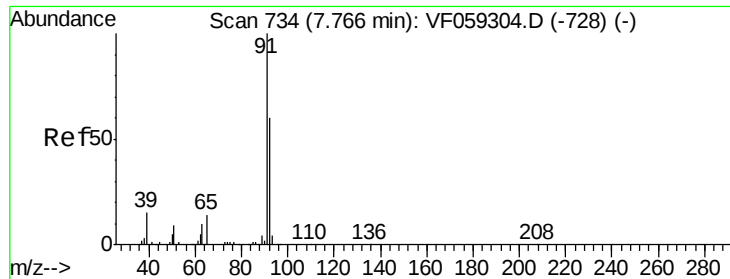
Tgt Ion: 98 Resp: 238554

Ion Ratio Lower Upper

98 100

100 66.1 54.6 82.0





#52

Toluene

Concen: 1.27 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059322.D

Acq: 26 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-25-27-180619RE

Tot Ion: 92 Resp: 7370

Ion Ratio Lower Upper

92 100

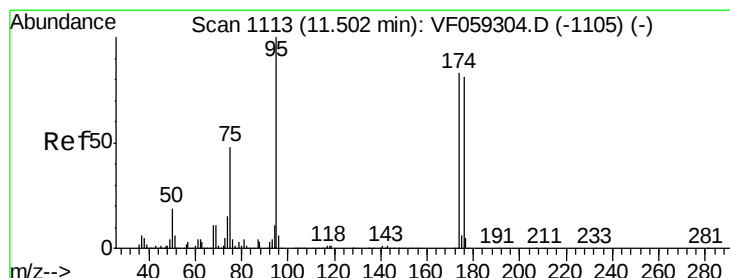
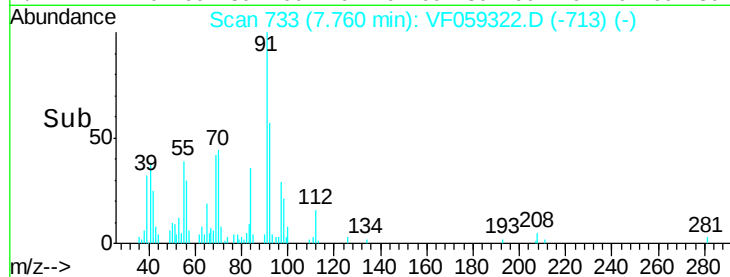
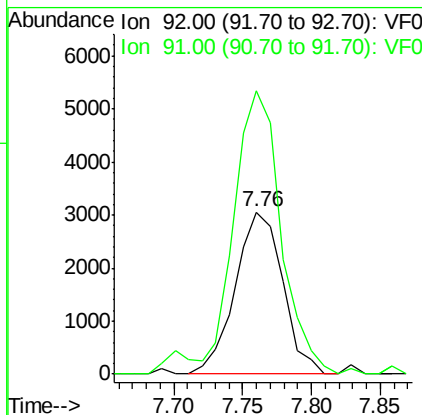
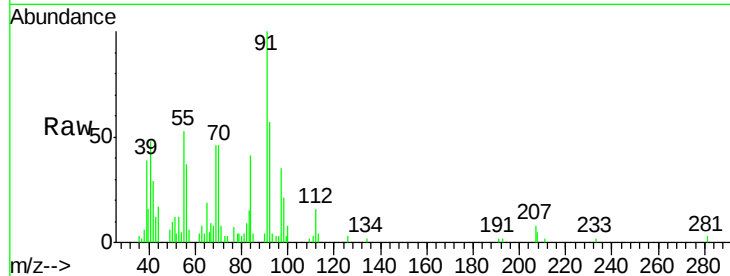
91 174.9 132.8 199.2

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#62

4-Bromofluorobenzene

Concen: 50.76 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059322.D

Acq: 26 Jun 2018 17:41

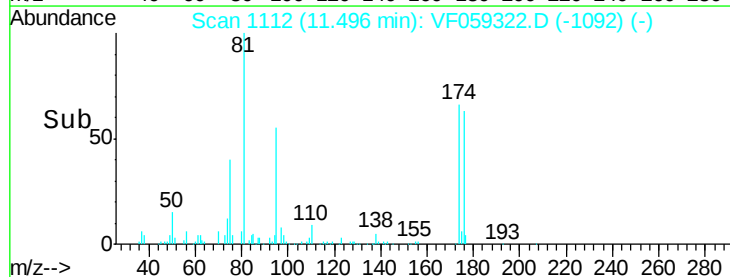
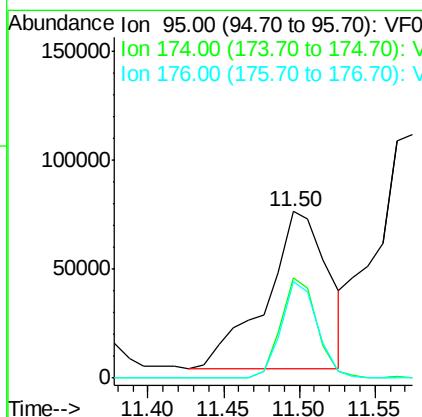
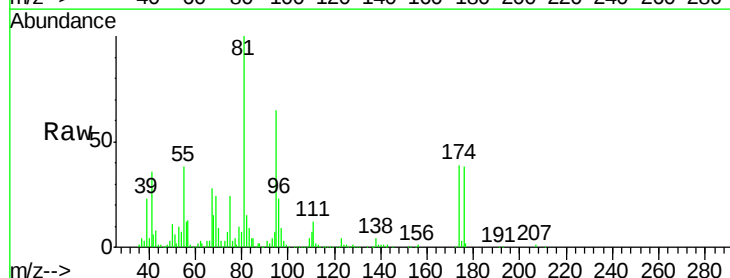
Tgt Ion: 95 Resp: 207722

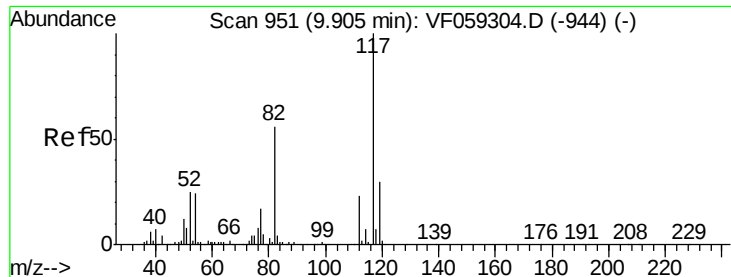
Ion Ratio Lower Upper

95 100

174 60.3 0.0 165.2

176 58.3 0.0 161.0





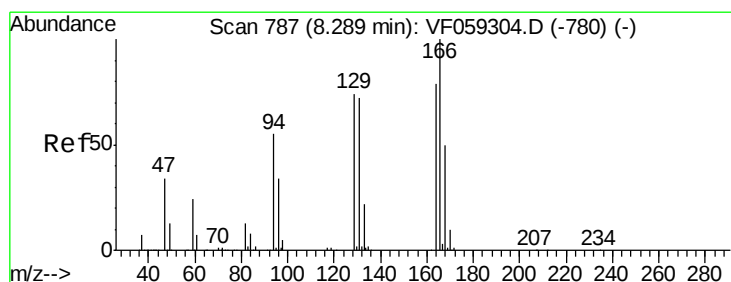
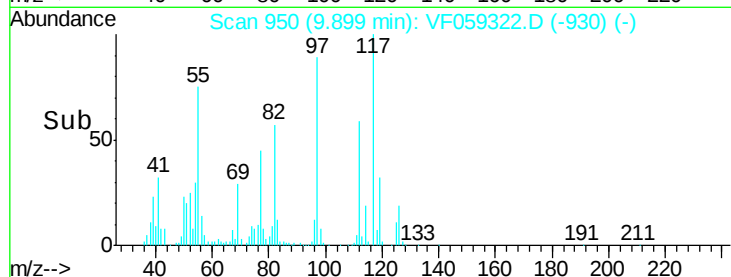
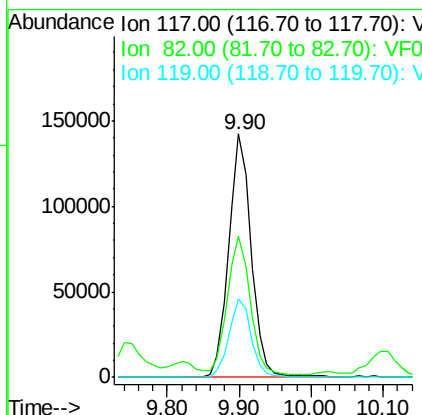
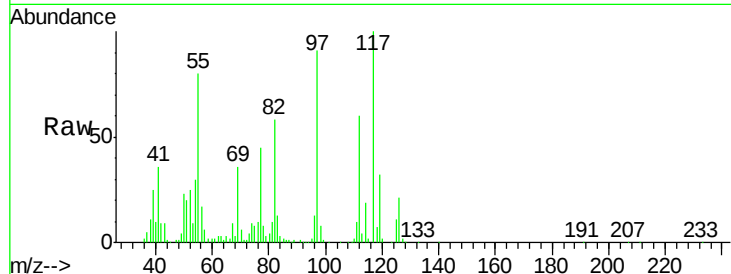
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059322.D
Acq: 26 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
WP021SB485-25-27-180619RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.6	66.8
119	32.4	24.1	36.1

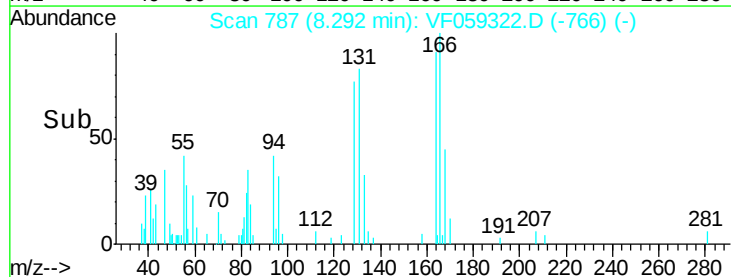
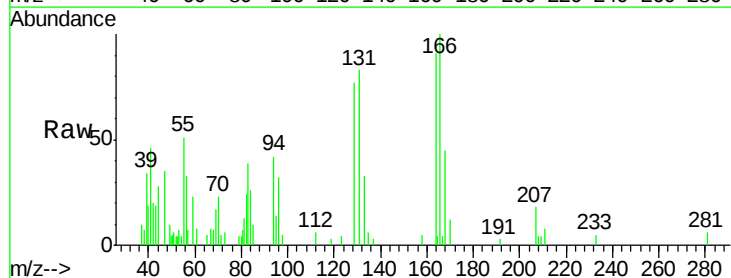
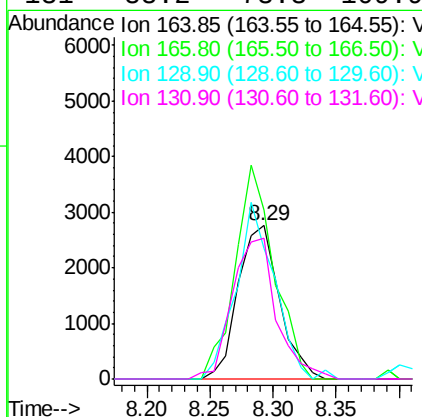
Manual Integrations
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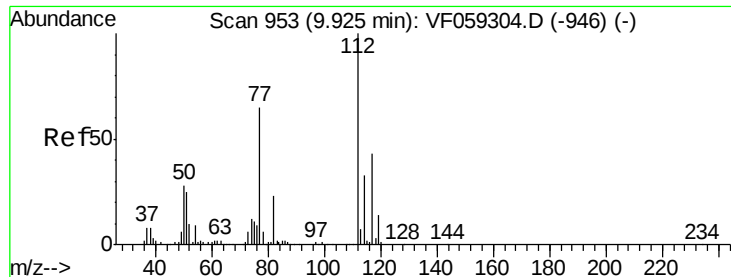
apatel
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#64
Tetrachloroethene
Concen: 3.13 ug/l
RT: 8.29 min Scan# 787
Delta R.T. 0.00 min
Lab File: VF059322.D
Acq: 26 Jun 2018 17:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	106.2	101.1	151.7
129	81.5	75.0	112.4
131	88.2	73.3	109.9





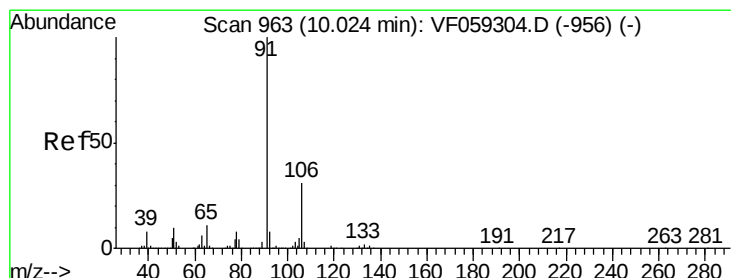
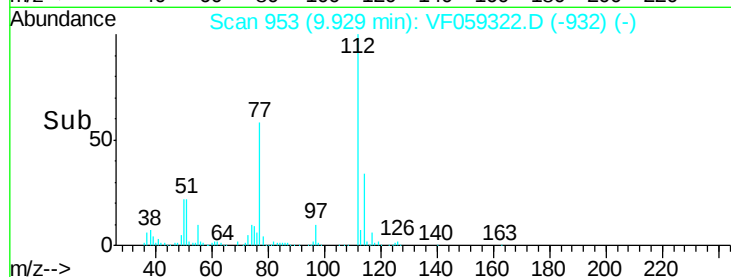
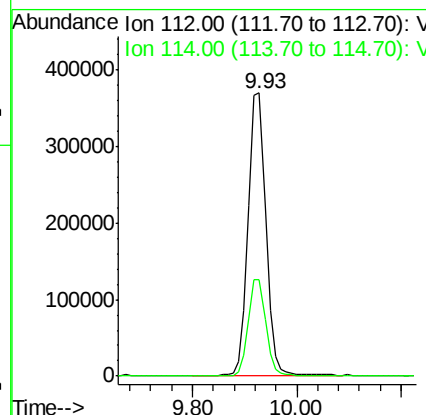
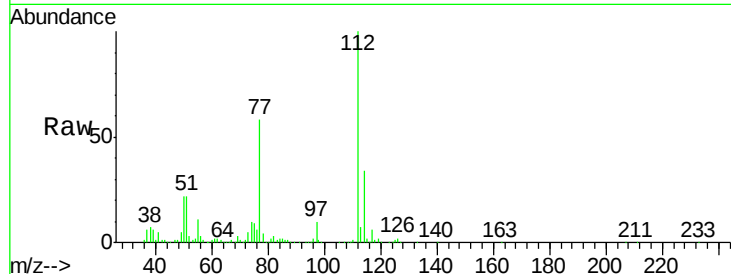
#65
Chlorobenzene
Concen: 148.68 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059322.D
Acq: 26 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
WP021SB485-25-27-180619RE

Tot Ion:112 Resp: 853716
Ion Ratio Lower Upper
112 100
114 33.9 26.5 39.7

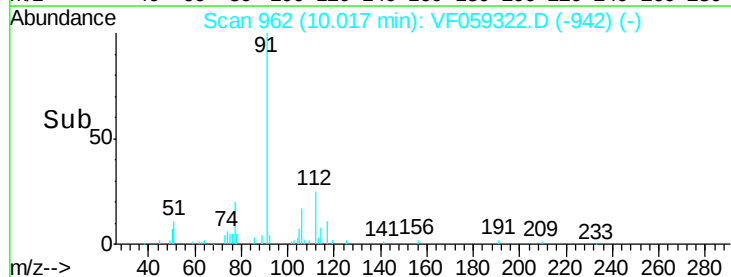
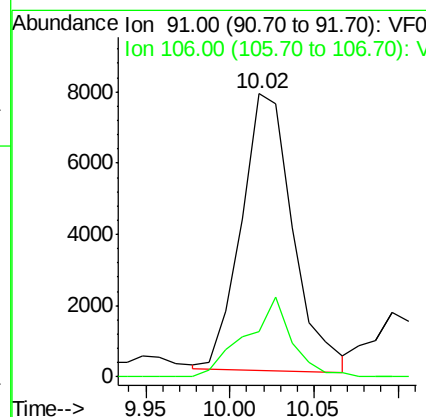
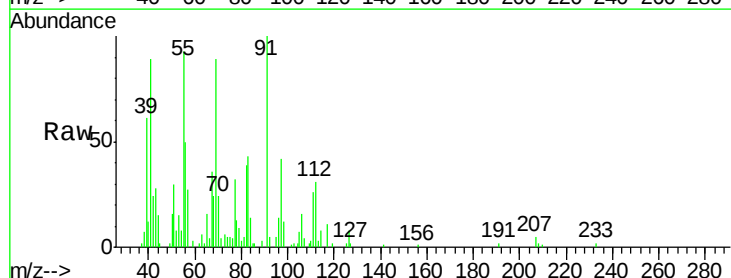
Manual Integrations
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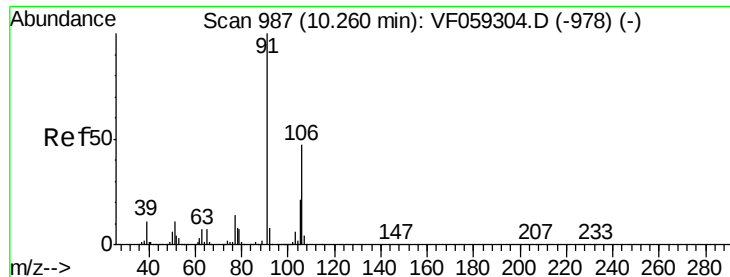
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#67
Ethyl Benzene
Concen: 1.70 ug/l
RT: 10.02 min Scan# 962
Delta R.T. -0.01 min
Lab File: VF059322.D
Acq: 26 Jun 2018 17:41

Tgt Ion: 91 Resp: 16575
Ion Ratio Lower Upper
91 100
106 16.0 24.8 37.2#





#68

m/p-Xylenes

Concen: 1.15 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059322.D

Acq: 26 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-25-27-180619RE

Tot Ion:106 Resp: 3993

Ion Ratio Lower Upper

106 100

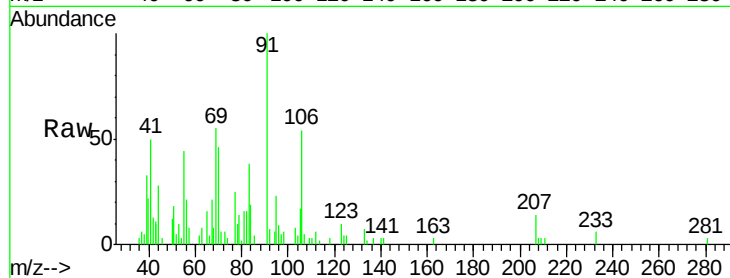
91 184.0 170.8 256.2

Manual Integrations

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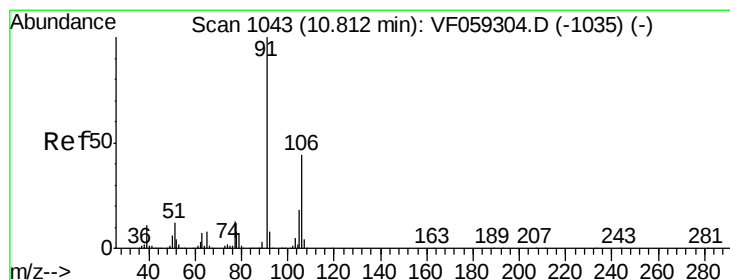
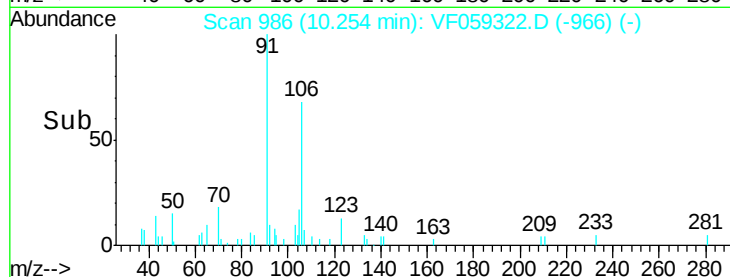
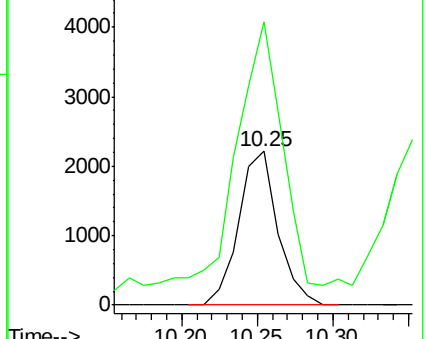
apatel

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 3.06 ug/l

RT: 10.82 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VF059322.D

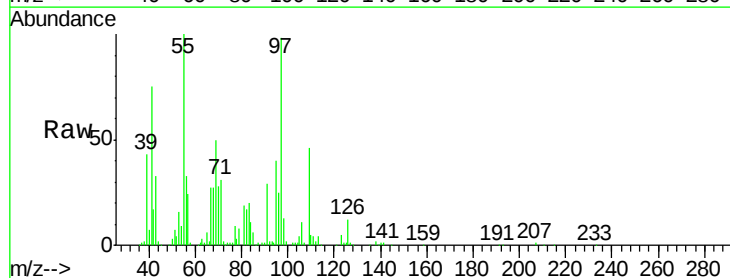
Acq: 26 Jun 2018 17:41

Tgt Ion:106 Resp: 11851

Ion Ratio Lower Upper

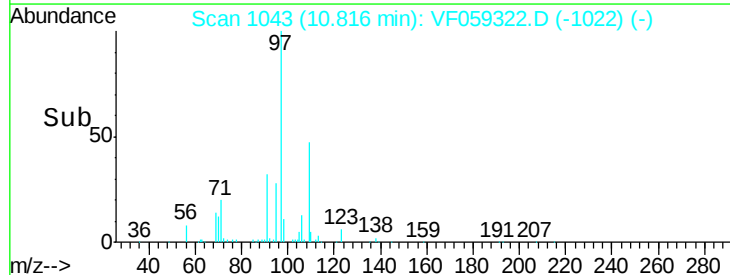
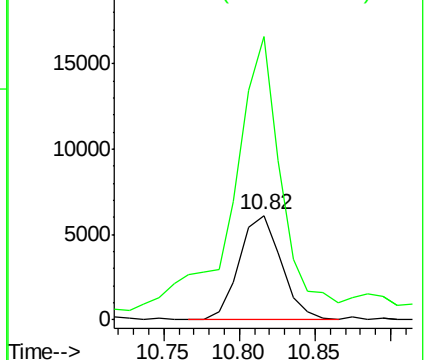
106 100

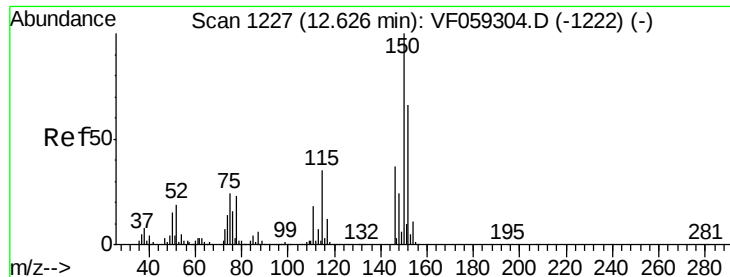
91 271.6 114.6 343.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059322.D

Acq: 26 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-25-27-180619RE

Tot Ion:152 Resp: 154480

Ion Ratio Lower Upper

152 100

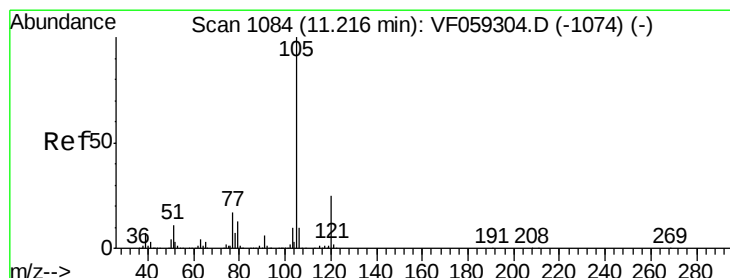
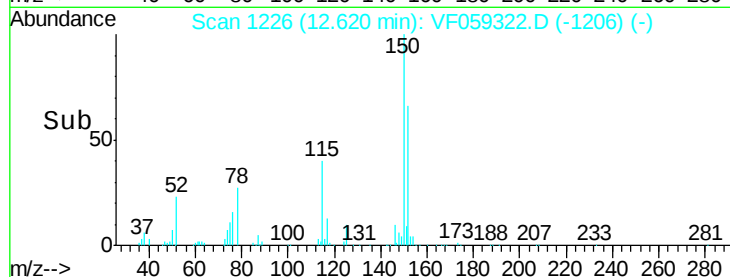
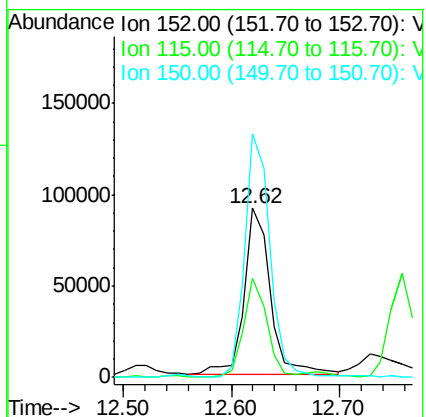
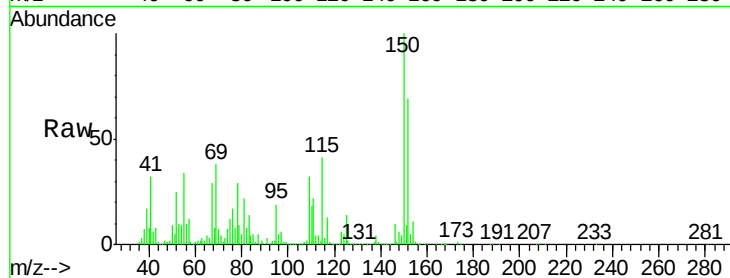
115 58.9 27.1 81.3

150 144.2 0.0 305.2

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#73

Isopropylbenzene

Concen: 7.11 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF059322.D

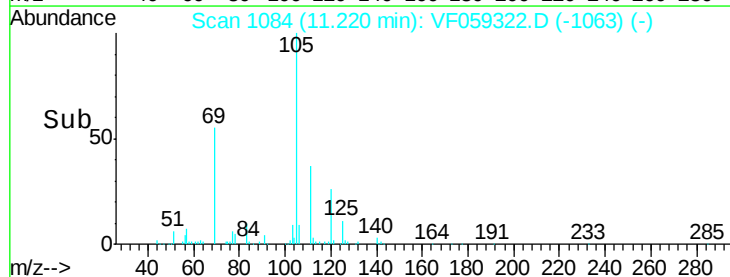
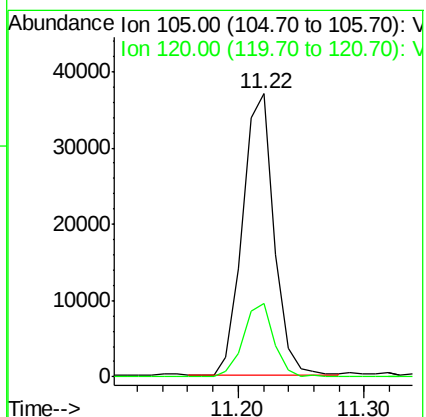
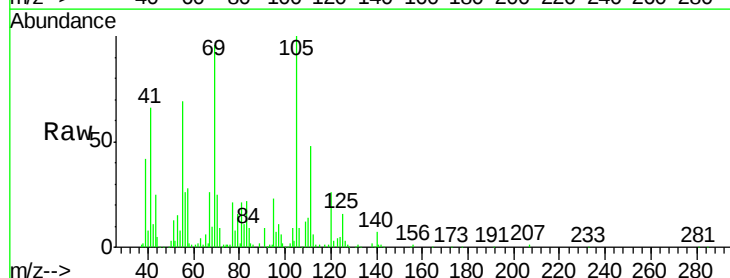
Acq: 26 Jun 2018 17:41

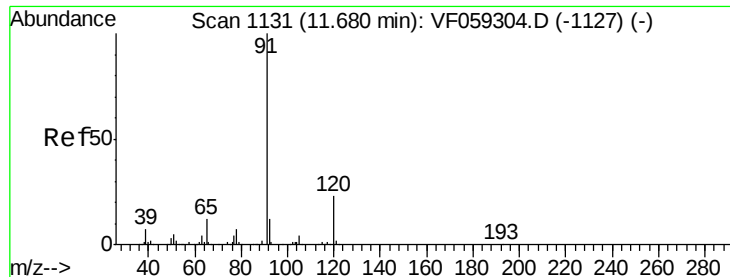
Tgt Ion:105 Resp: 63998

Ion Ratio Lower Upper

105 100

120 26.0 12.3 36.8





#78

n-propylbenzene

Concen: 6.05 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF059322.D

Acq: 26 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-25-27-180619RE

Tot Ion: 91 Resp: 65440

Ion Ratio Lower Upper

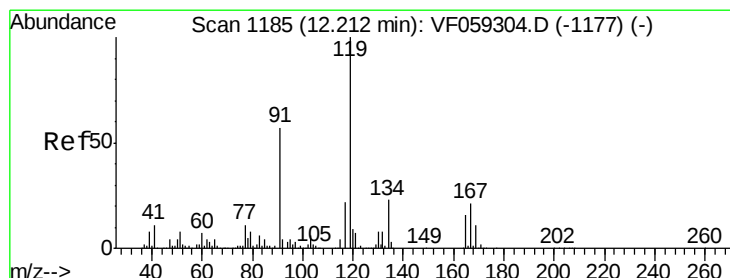
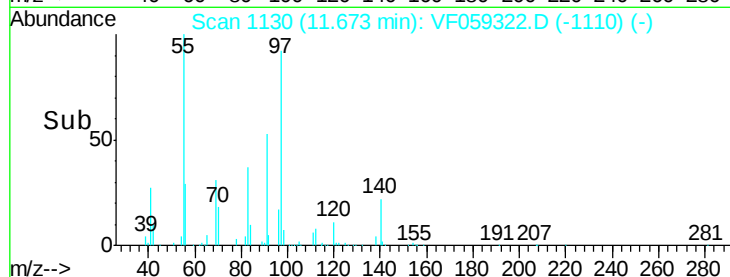
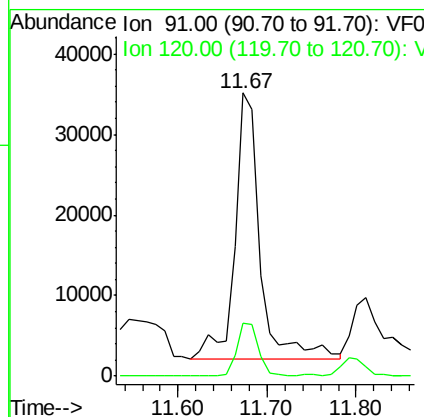
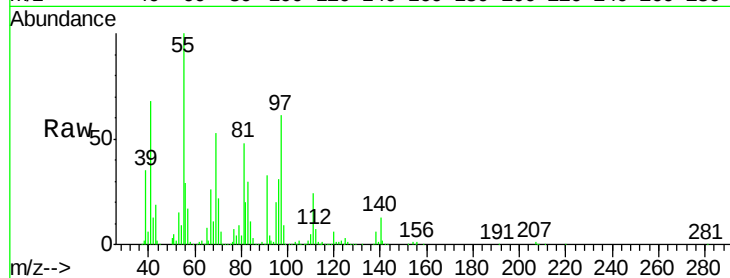
91 100

120 18.8 11.7 35.0

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#83

tert-Butylbenzene

Concen: 26.90 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF059322.D

Acq: 26 Jun 2018 17:41

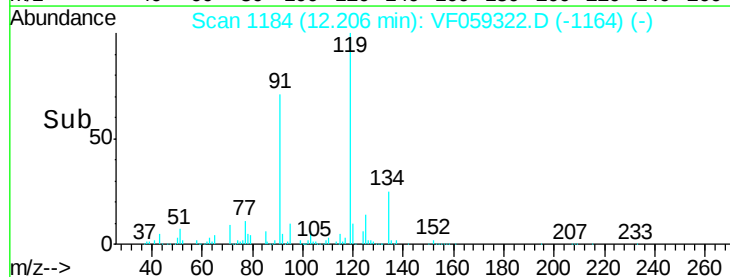
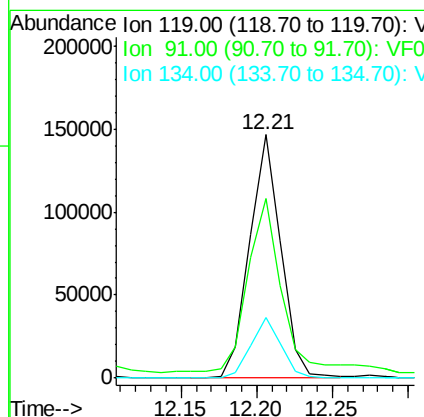
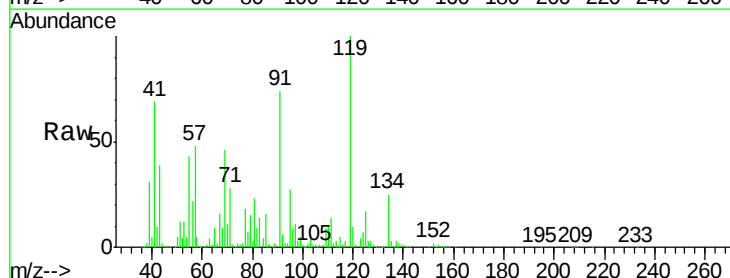
Tgt Ion: 119 Resp: 212114

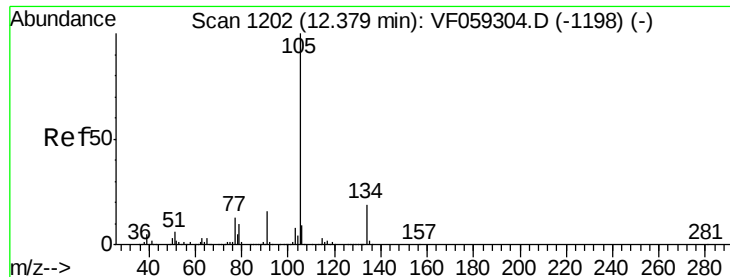
Ion Ratio Lower Upper

119 100

91 73.6 28.4 85.2

134 25.0 11.7 35.1





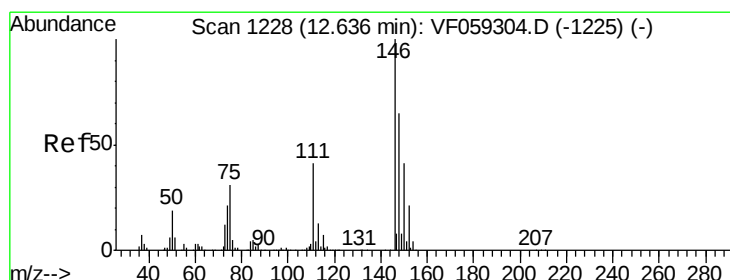
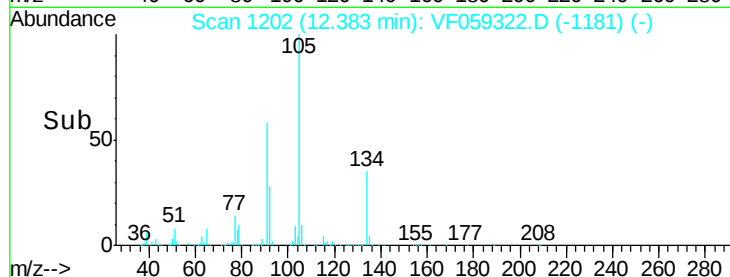
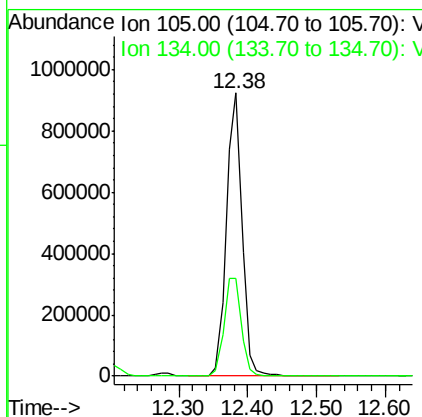
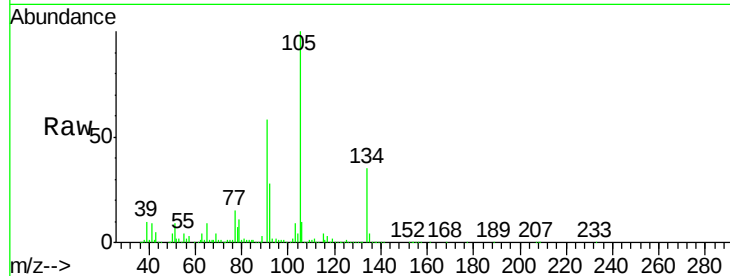
#85
 sec-Butylbenzene
 Concen: 138.04 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF059322.D
 Acq: 26 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB485-25-27-180619RE

Tot Ion:105 Resp: 1442671
 Ion Ratio Lower Upper
 105 100
 134 34.5 9.4 28.3#

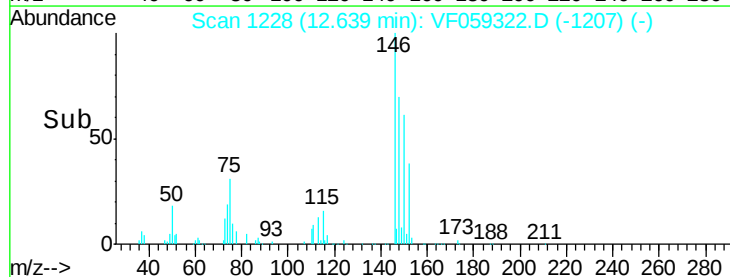
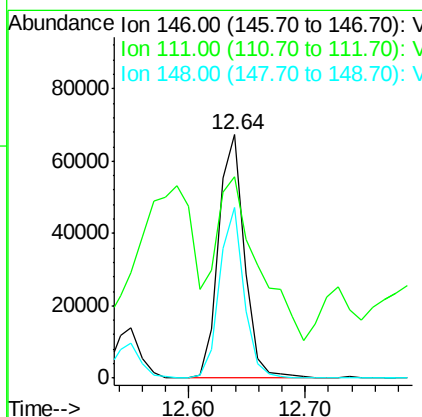
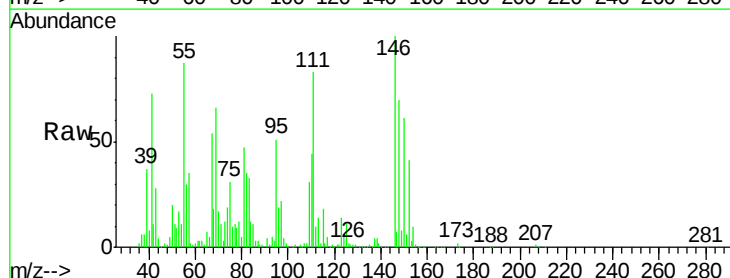
Manual Integrations
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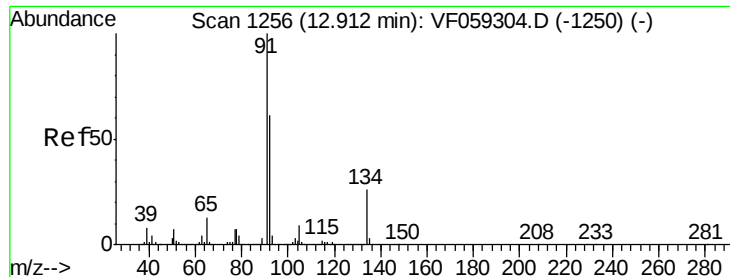
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#88
 1,4-Dichlorobenzene
 Concen: 23.17 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF059322.D
 Acq: 26 Jun 2018 17:41

Tgt Ion:146 Resp: 103337
 Ion Ratio Lower Upper
 146 100
 111 82.7 20.7 62.1#
 148 70.2 32.8 98.3





#89

n-Butylbenzene

Concen: 104.20 ug/l m

RT: 12.92 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF059322.D

Acq: 26 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-25-27-180619RE

Tot Ion:	91	Resp:	927803
Ion Ratio		Lower	Upper
91	100		
92	60.4	30.3	91.0
134	30.3	12.9	38.7

Manual Integrations
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6/27/2018 5:48:18 PM

