

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

Quant Time: Jun 27 02:21:04 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						
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					Qvalue
5) Bromomethane	1.31	94	1233	Below Cal	# 47
11) Tert butyl alcohol	2.68	59	1188	5.777 ug/l	# 66
13) Acrolein	2.18	56	169	Below Cal	# 98
15) Acrylonitrile	3.05	53	1105	3.051 ug/l	# 9
16) Acetone	2.32	43	180973	233.930 ug/l	# 97
18) Methyl Acetate	2.32	43	180973	131.705 ug/l	# 61
20) Methylene Chloride	2.31	84	6559	Below Cal	# 95
25) 2-Butanone	4.49	43	57572	59.518 ug/l	# 96
29) Tetrahydrofuran	4.25	42	1590	Below Cal	# 47
31) Cyclohexane	3.85	56	2470	1.038 ug/l	# 61
37) Ethyl Acetate	4.24	43	1383	Below Cal	# 22
39) Methylcyclohexane	5.61	83	65318	22.773 ug/l	# 99
43) Isopropyl Acetate	7.15	43	6542	2.426 ug/l	# 52
49) 1,4-Dioxane	6.80	88	80	Below Cal	# 1
51) 4-Methyl-2-Pentanone	8.40	43	39264	19.658 ug/l	# 45
55) 1,1,2-Trichloroethane	8.52	97	9503	4.558 ug/l	# 48
56) Ethyl methacrylate	8.76	69	111968	43.350 ug/l	# 79
58) 2-Chloroethyl Vinyl ether	7.76	63	989	5.105 ug/l	# 100
59) 2-Hexanone	9.65	43	12926	Below Cal	# 48
65) Chlorobenzene	9.92	112	379791	65.263 ug/l	# 99
69) o-Xylene	10.82	106	5381	1.369 ug/l	# 94
73) Isopropylbenzene	11.21	105	12583	1.251 ug/l	# 82
74) N-amyl acetate	11.48	43	24499	6.714 ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	11.75	83	76605	30.167 ug/l	# 35
78) n-propylbenzene	11.67	91	16563	1.372 ug/l	# 79
83) tert-Butylbenzene	12.21	119	55474	6.297 ug/l	# 88
84) 1,2,4-Trimethylbenzene	12.37	105	274189	29.559 ug/l	# 31
85) sec-Butylbenzene	12.37	105	274369	23.497 ug/l	# 42
87) 1,3-Dichlorobenzene	12.55	146	4868	Below Cal	# 1
88) 1,4-Dichlorobenzene	12.63	146	21870	4.390 ug/l	# 14
89) n-Butylbenzene	12.91	91	89495	8.996 ug/l	# 89
90) Hexachloroethane	12.99	117	10235	4.191 ug/l	# 10
91) 1,2-Dichlorobenzene	13.00	146	15208	3.003 ug/l	# 38
92) 1,2-Dibromo-3-Chloropropan	13.69	75	3171	5.633 ug/l	# 1

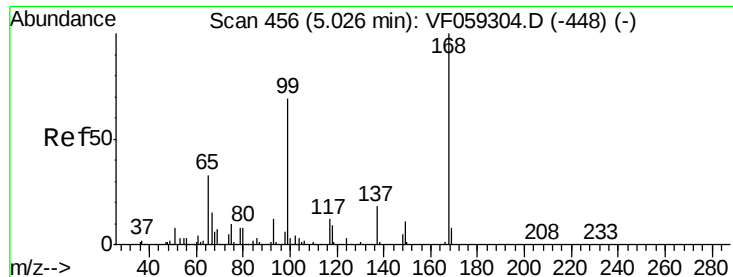
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
Data File : VF059321.D
Acq On : 26 Jun 2018 17:14
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Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.51	128	25071	3.200	ug/l #	57

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



#1

Pentafluorobenzene

Concen: 50.000 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 :

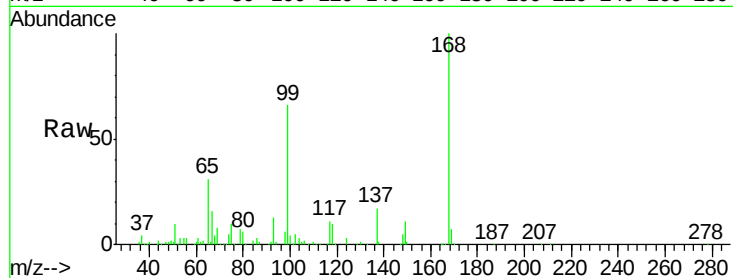
WP021SB485-23-25-180619RE

Tot Ion:168 Resp: 239086

Ion Ratio Lower Upper

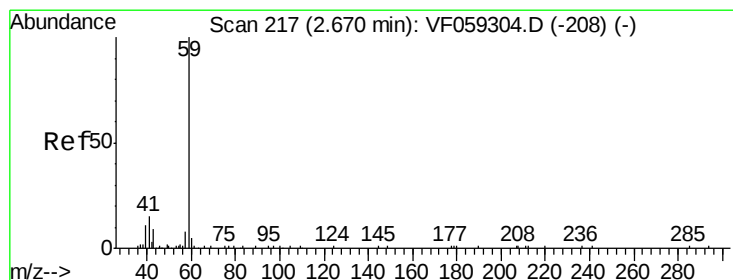
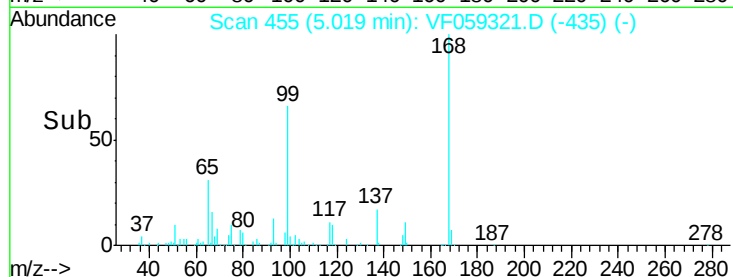
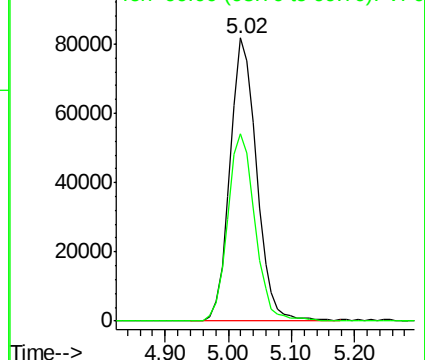
168 100

99 66.2 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 5.777 ug/l

RT: 2.68 min Scan# 218

Delta R.T. 0.01 min

Lab File: VF059321.D

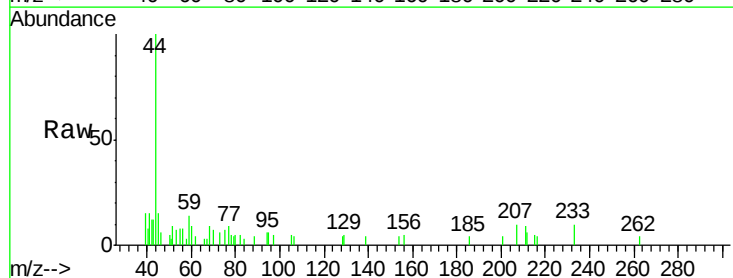
Acq: 26 Jun 2018 17:14

Tgt Ion: 59 Resp: 1188

Ion Ratio Lower Upper

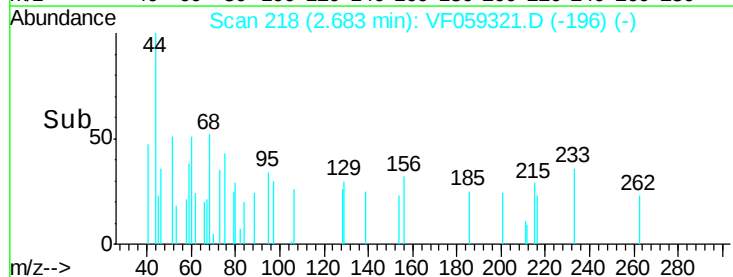
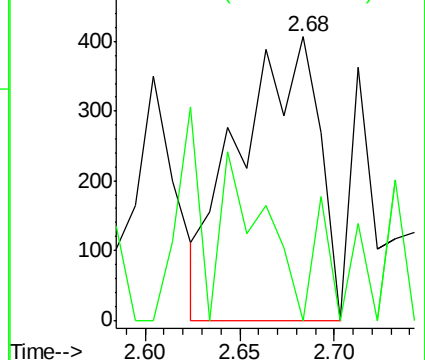
59 100

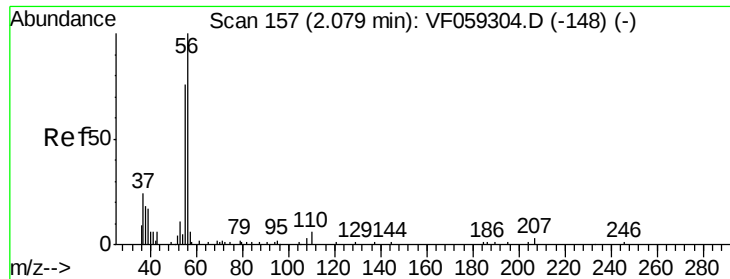
57 0.0 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 2.18 min Scan# 167

Delta R.T. 0.10 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

Instrument :

MSVOA_F

ClientSampleId :

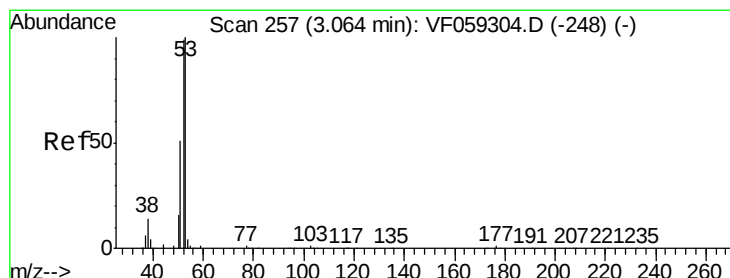
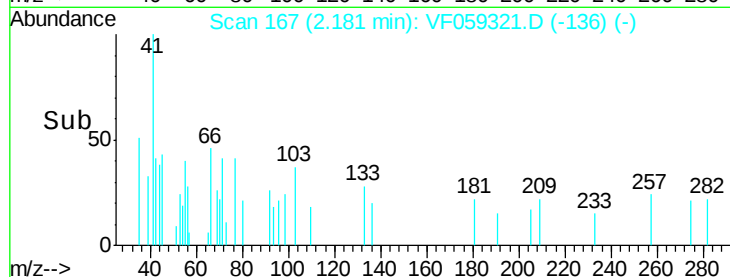
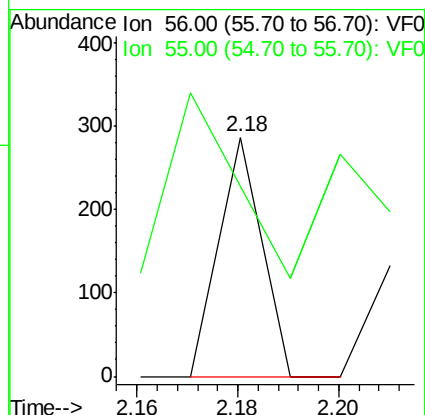
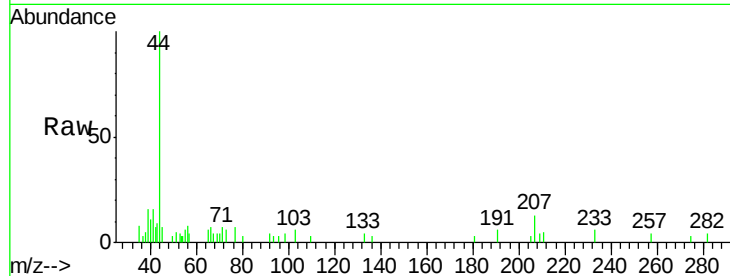
WP021SB485-23-25-180619RE

Tot Ion: 56 Resp: 169

Ion Ratio Lower Upper

56 100

55 79.4 62.4 93.6



#15

Acrylonitrile

Concen: 3.051 ug/l

RT: 3.05 min Scan# 255

Delta R.T. -0.02 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

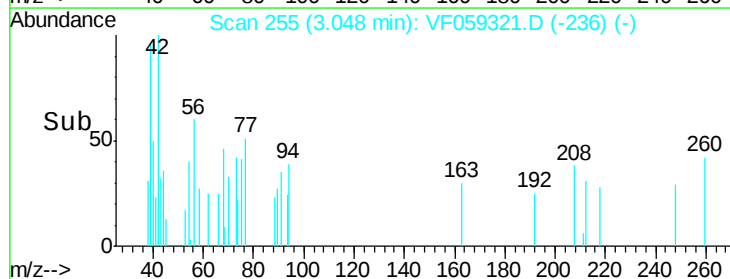
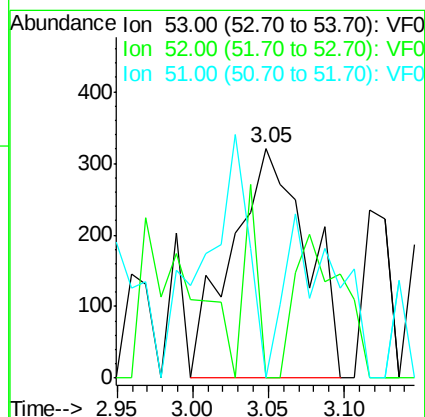
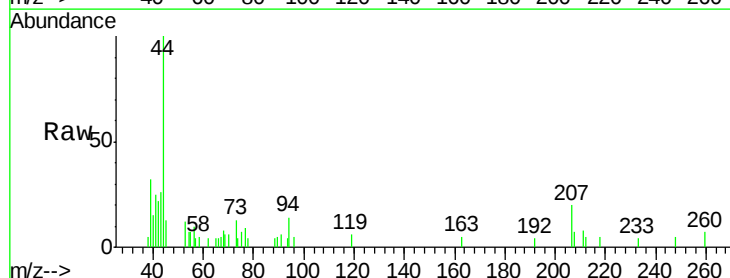
Tgt Ion: 53 Resp: 1105

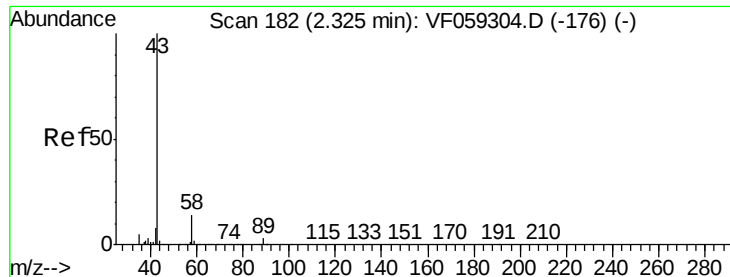
Ion Ratio Lower Upper

53 100

52 0.0 79.2 118.8#

51 0.0 40.9 61.3#

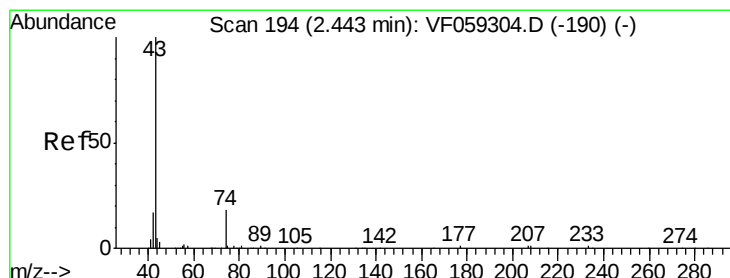
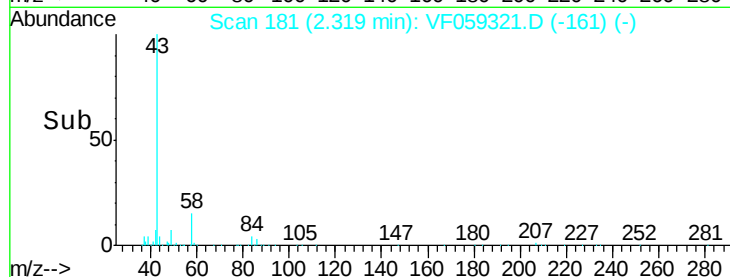
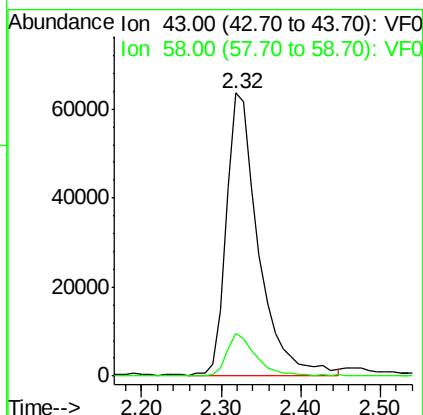
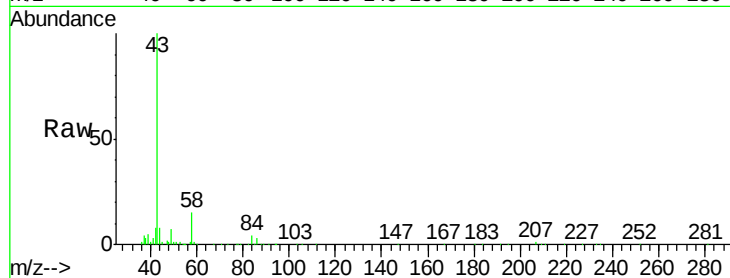




#16
Acetone
Concen: 233.930 ug/l
RT: 2.32 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF059321.D
Acq: 26 Jun 2018 17:14

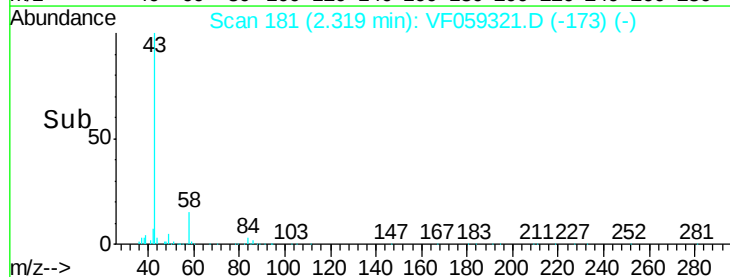
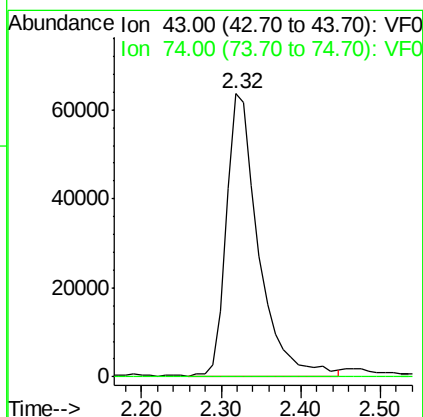
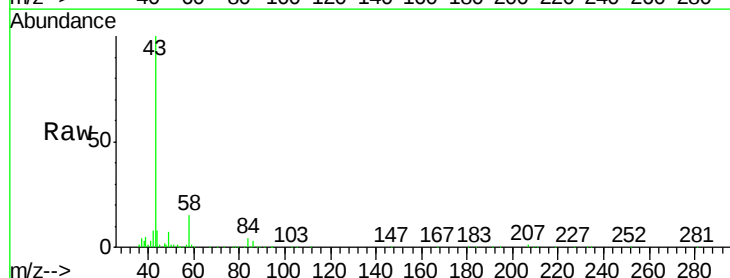
Instrument :
MSVOA_F
ClientSampleId :
WP021SB485-23-25-180619RE

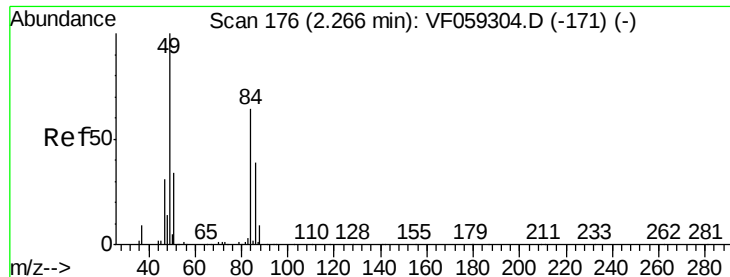
Tot Ion: 43 Resp: 180973
Ion Ratio Lower Upper
43 100
58 15.3 11.4 17.0



#18
Methyl Acetate
Concen: 131.705 ug/l
RT: 2.32 min Scan# 181
Delta R.T. -0.12 min
Lab File: VF059321.D
Acq: 26 Jun 2018 17:14

Tgt Ion: 43 Resp: 180973
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



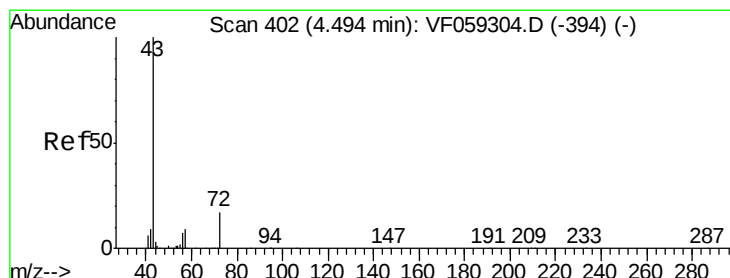
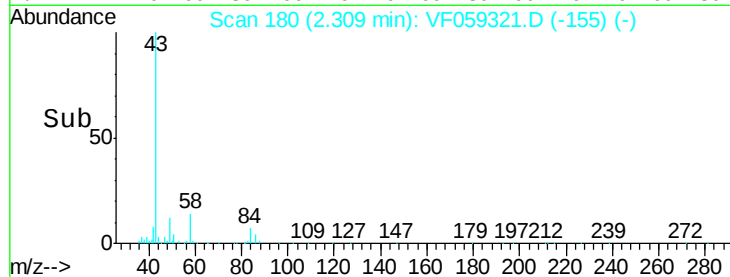
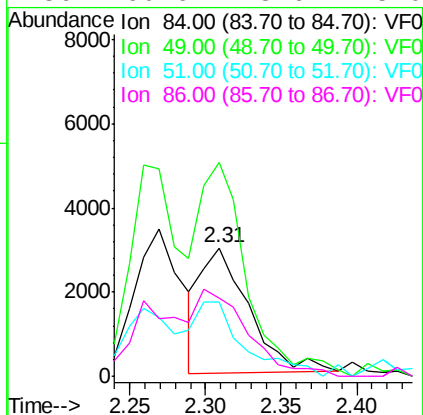
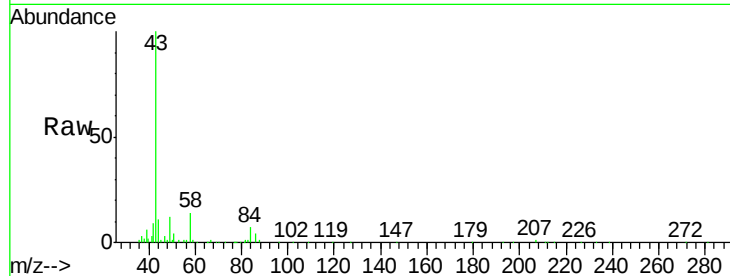


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.31 min Scan# 180
 Delta R.T. 0.04 min
 Lab File: VF059321.D
 Acq: 26 Jun 2018 17:14

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

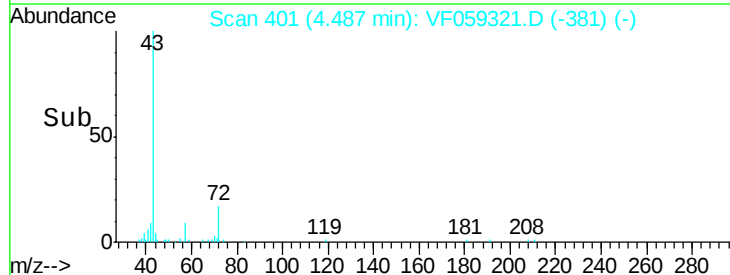
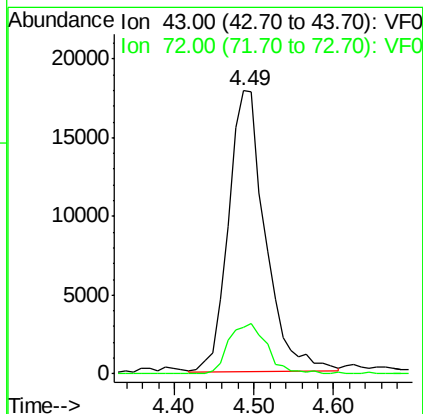
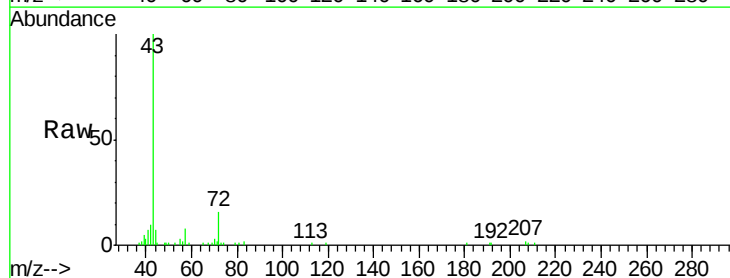
Tot Ion:	84	Resp:	6559
Ion	Ratio	Lower	Upper
84	100		
49	166.6	126.5	189.7
51	57.8	42.9	64.3
86	60.6	48.6	73.0

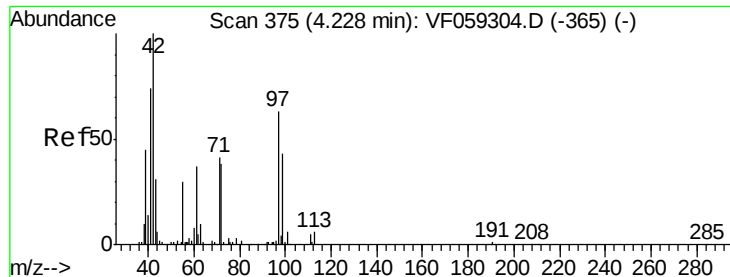


#25

2-Butanone
 Concen: 59.518 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:	43	Resp:	57572
Ion	Ratio	Lower	Upper
43	100		
72	16.3	14.4	21.6

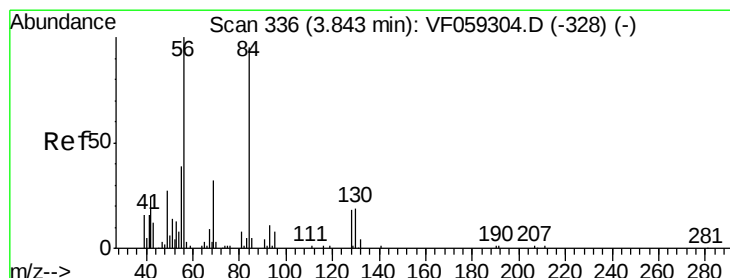
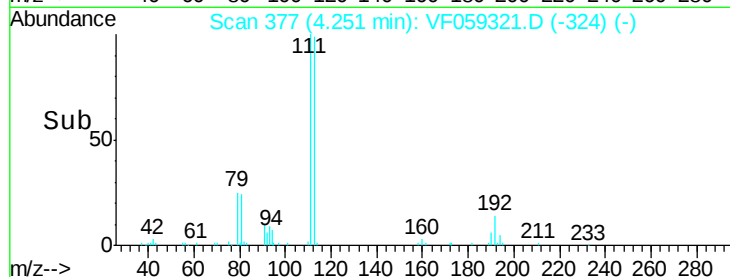
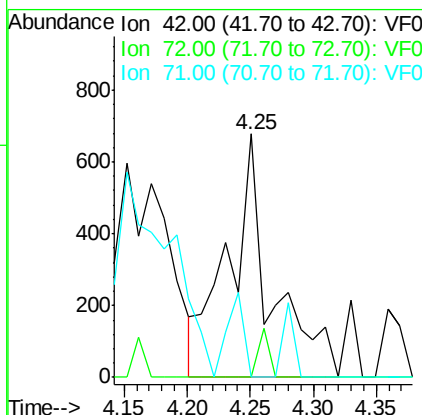
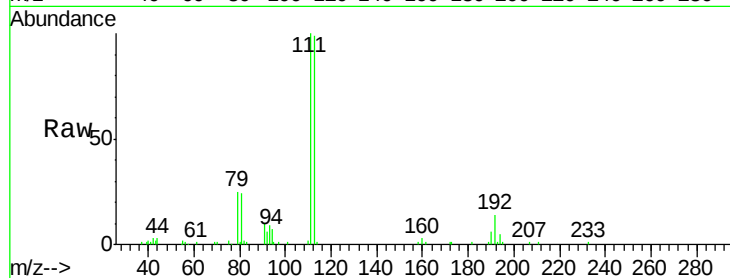




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.25 min Scan# 377
Delta R.T. 0.02 min
Lab File: VF059321.D
Acq: 26 Jun 2018 17:14

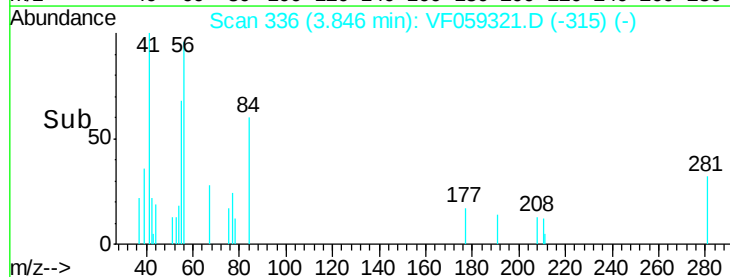
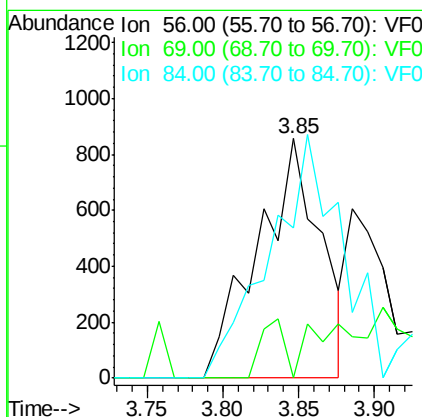
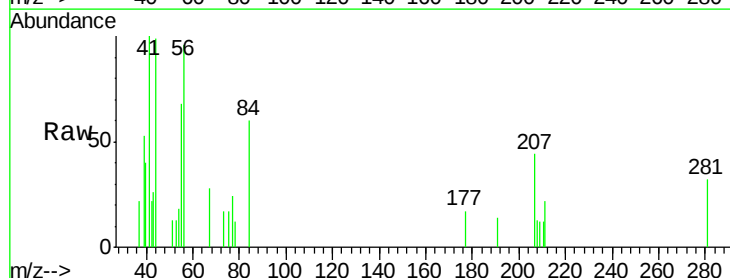
Instrument :
MSVOA_F
ClientSampleId :
WP021SB485-23-25-180619RE

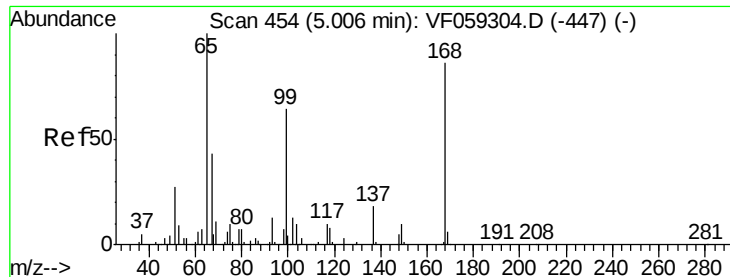
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.5	45.7#
71	13.5	32.5	48.7#



#31
Cyclohexane
Concen: 1.038 ug/l
RT: 3.85 min Scan# 336
Delta R.T. 0.00 min
Lab File: VF059321.D
Acq: 26 Jun 2018 17:14

Tgt Ion	Ratio	Lower	Upper
56	100		
69	0.0	25.8	38.8#
84	62.5	75.6	113.4#





#33

1,2-Dichloroethane-d4

Concen: 44.446 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 :

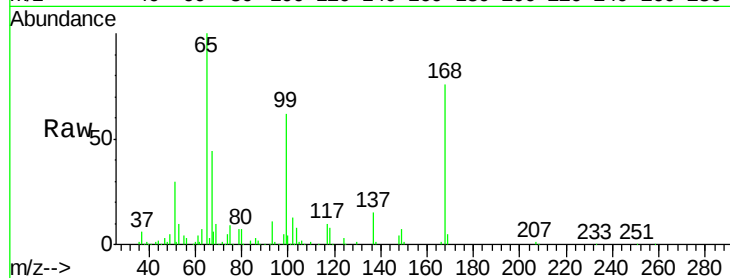
WP021SB485-23-25-180619RE

Tot Ion: 65 Resp: 137293

Ion Ratio Lower Upper

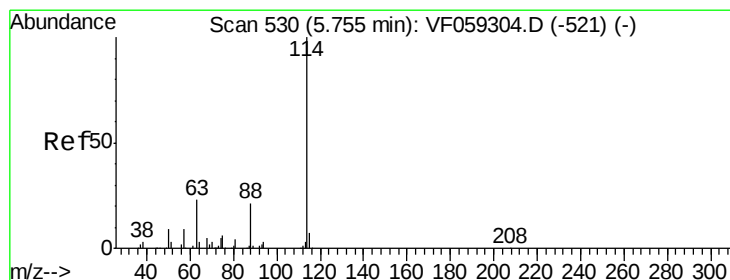
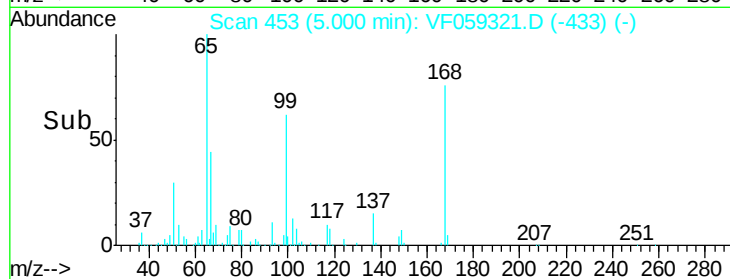
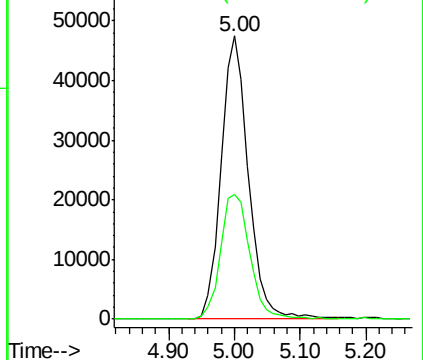
65 100

67 44.1 0.0 96.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

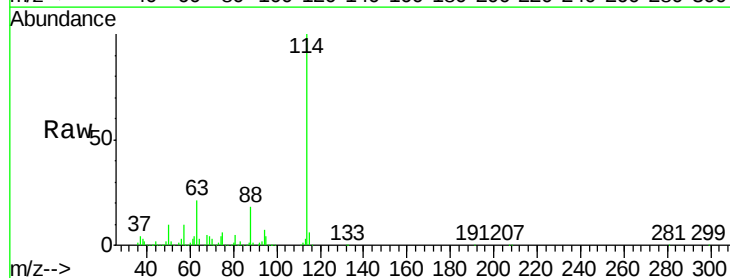
Tgt Ion: 114 Resp: 370519

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.8

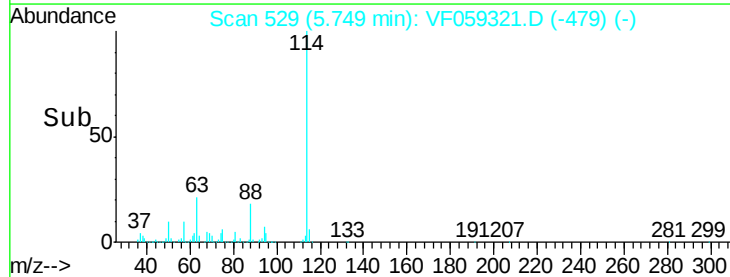
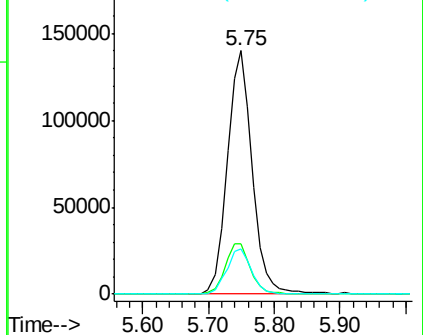
88 18.4 0.0 41.2

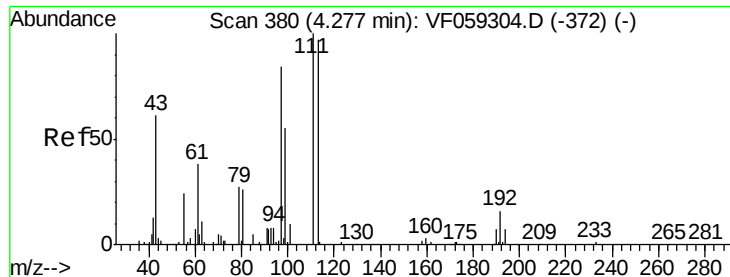


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

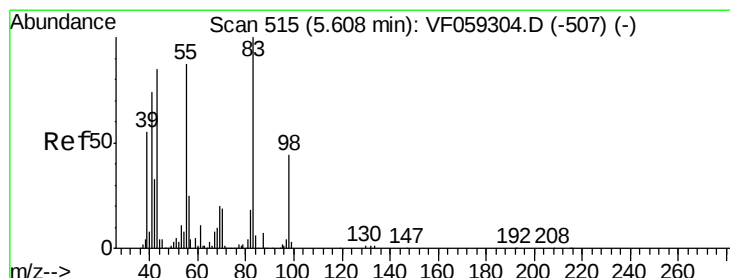
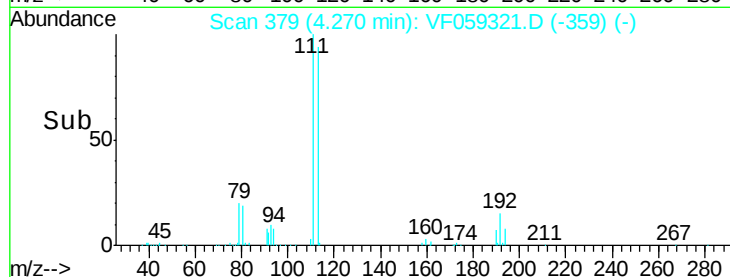
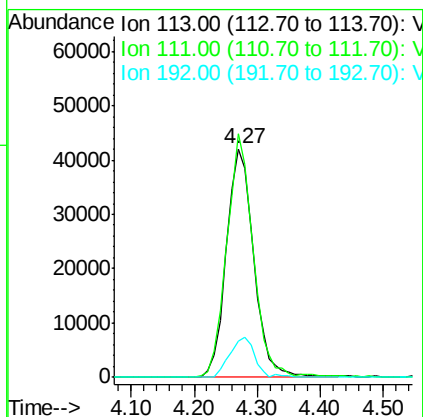
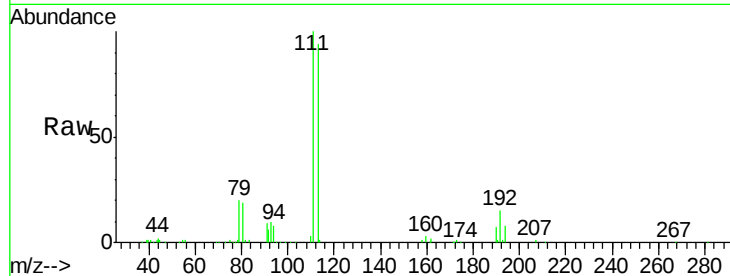




#35
 Dibromofluoromethane
 Concen: 46.941 ug/l
 RT: 4.27 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VF059321.D
 Acq: 26 Jun 2018 17:14

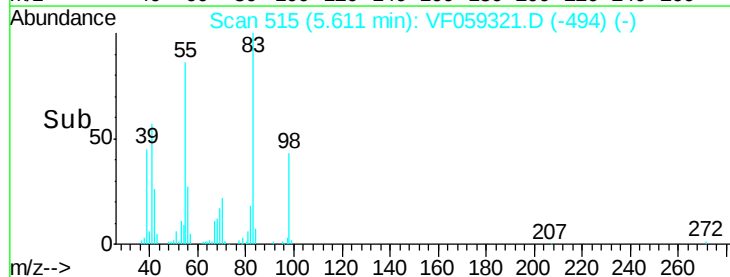
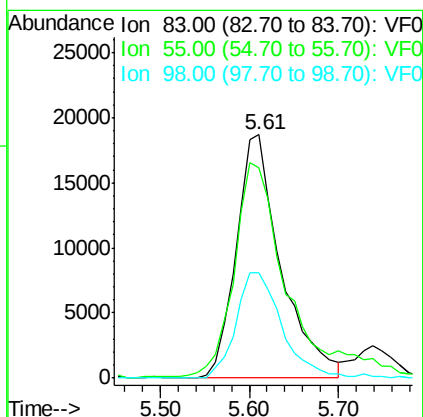
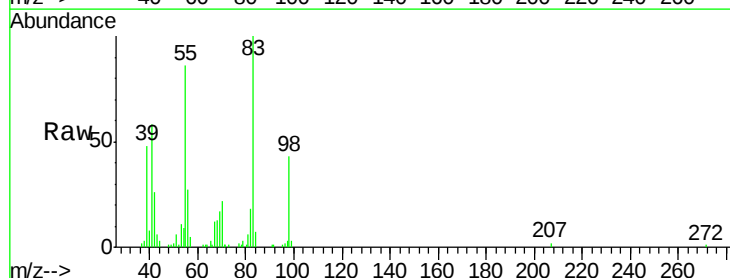
Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB485-23-25-180619RE

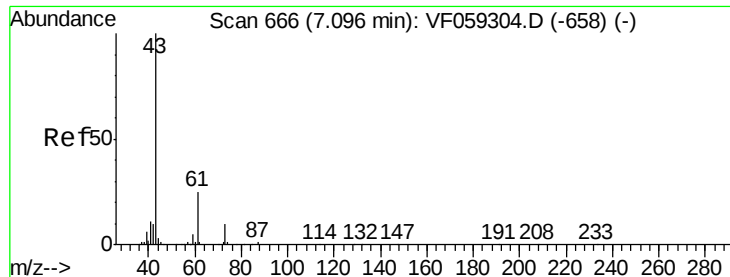
Tot Ion	Ratio	Lower	Upper
113	100		
111	106.5	82.1	123.1
192	16.0	13.0	19.6



#39
 Methylcyclohexane
 Concen: 22.773 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	Ratio	Lower	Upper
83	100		
55	86.2	69.2	103.8
98	43.1	35.0	52.6





#43

Isopropyl Acetate

Concen: 2.426 ug/l

RT: 7.15 min Scan# 671

Delta R.T. 0.05 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-23-25-180619RE

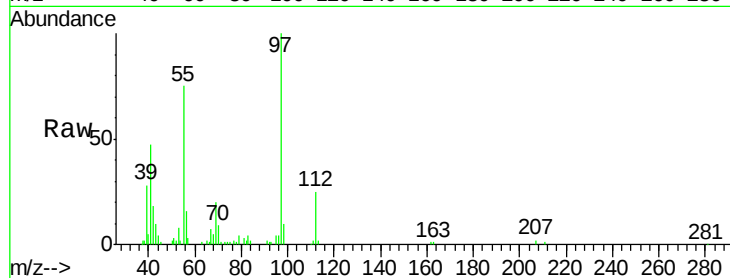
Tot Ion: 43 Resp: 6542

Ion Ratio Lower Upper

43 100

61 0.0 19.7 29.5#

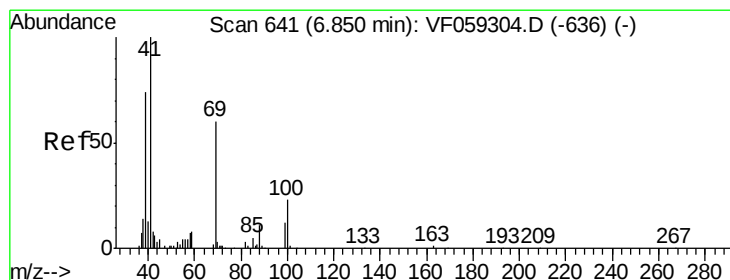
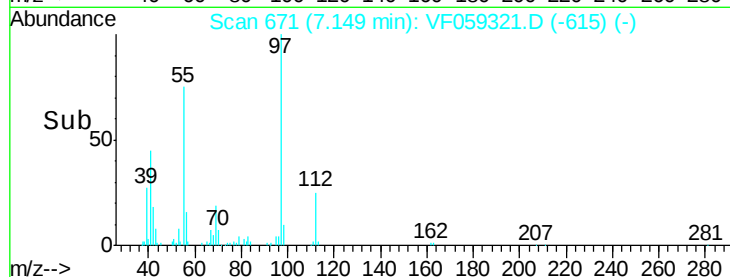
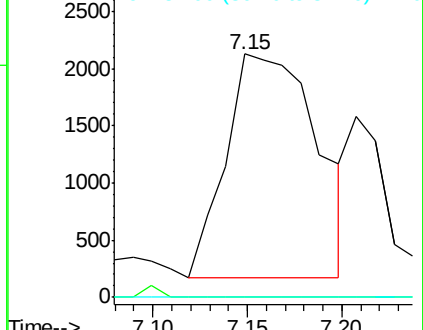
87 0.0 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#49

1,4-Dioxane

Concen: Below Cal

RT: 6.80 min Scan# 636

Delta R.T. -0.05 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

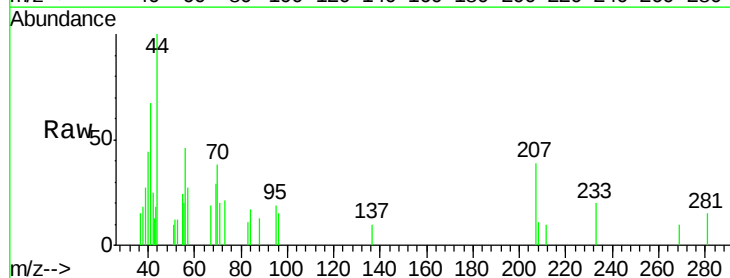
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

88 100

43 249.6 50.6 75.8#

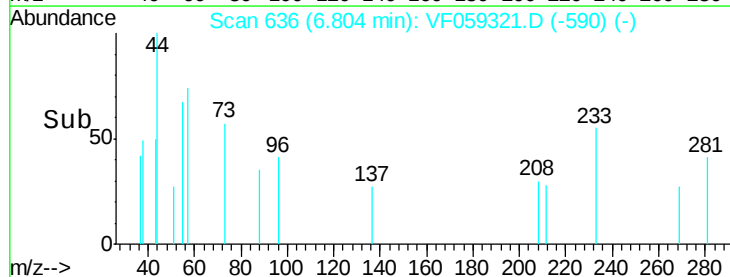
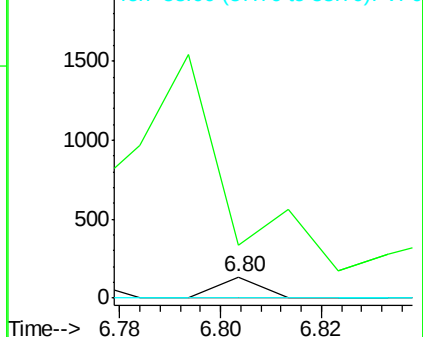
58 0.0 46.6 69.8#

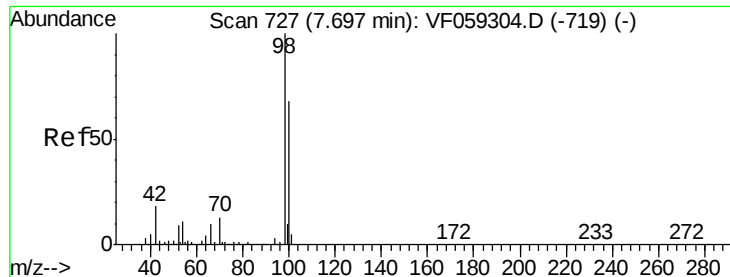


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 41.533 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 :

MSVOA_F

ClientSampleId :

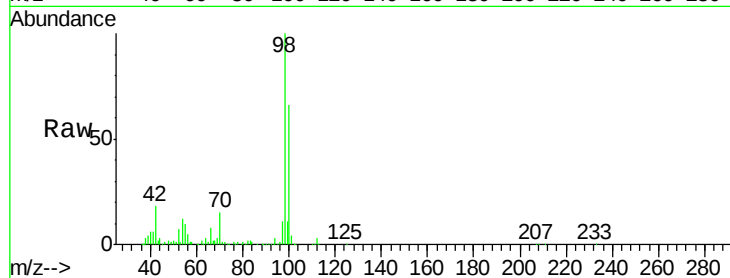
WP021SB485-23-25-180619RE

Tot Ion: 98 Resp: 278392

Ion Ratio Lower Upper

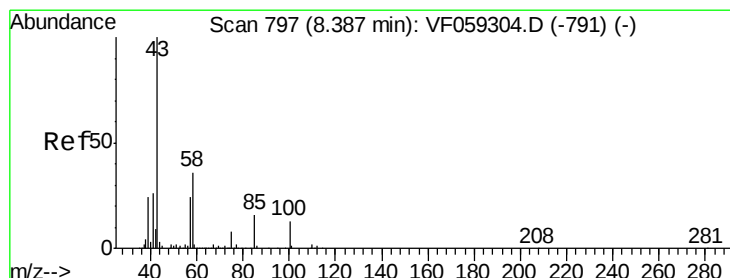
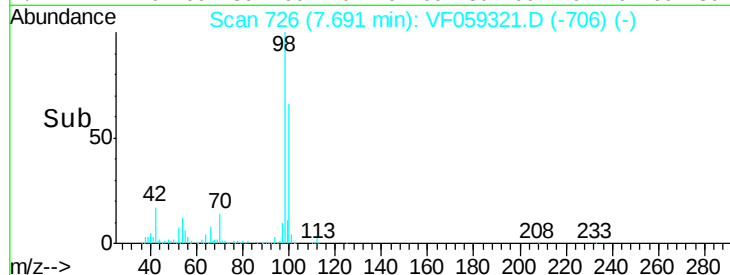
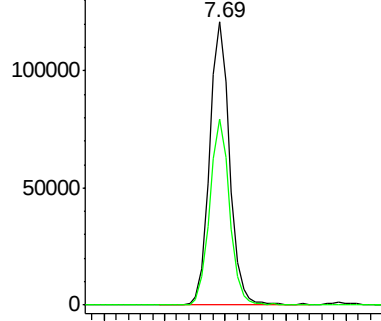
98 100

100 65.7 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 19.658 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059321.D

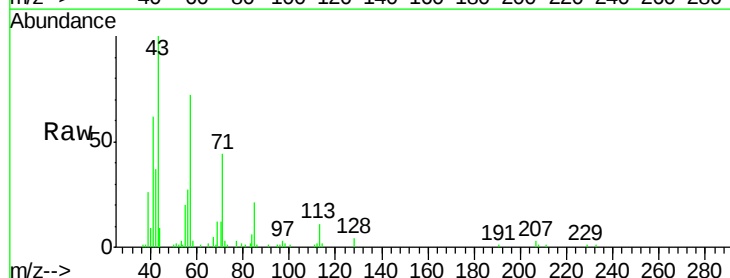
Acq: 26 Jun 2018 17:14

Tgt Ion: 43 Resp: 39264

Ion Ratio Lower Upper

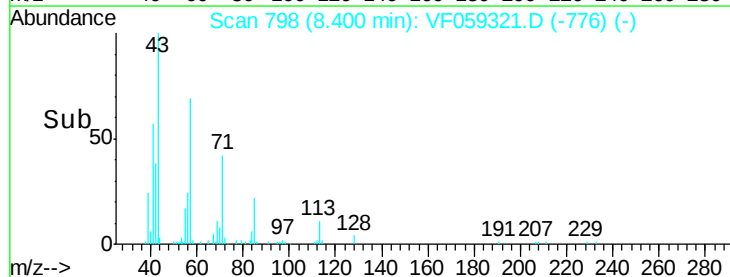
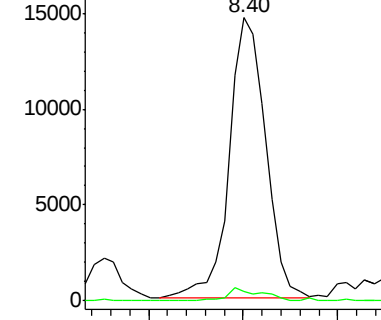
43 100

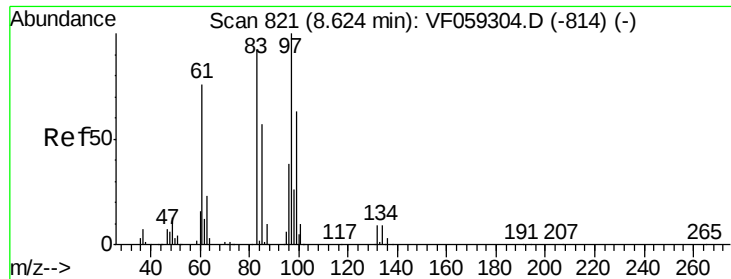
58 3.1 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#55

1,1,2-Trichloroethane

Concen: 4.558 ug/l

RT: 8.52 min Scan# 810

Delta R.T. -0.11 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-23-25-180619RE

Tot Ion: 97 Resp: 9503

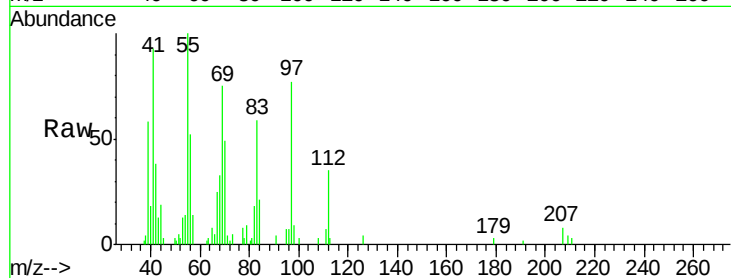
Ion Ratio Lower Upper

97 100

83 77.7 73.8 110.8

85 0.0 45.5 68.3#

99 0.0 50.7 76.1#

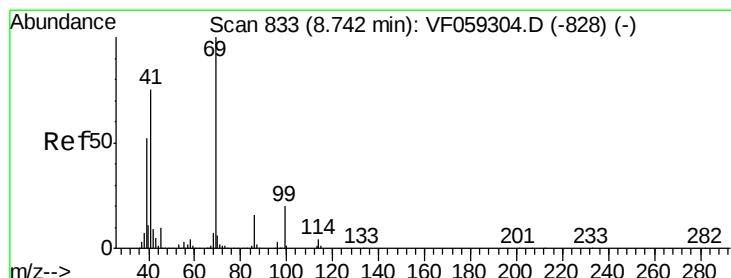
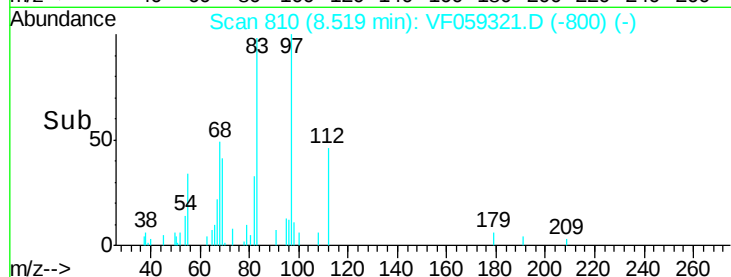
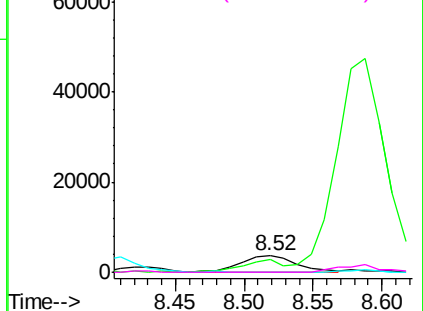


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 43.350 ug/l

RT: 8.76 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

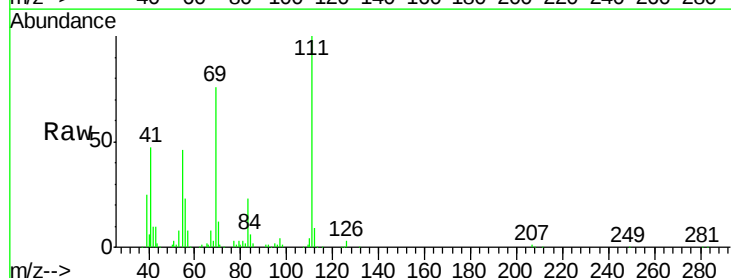
Tgt Ion: 69 Resp: 111968

Ion Ratio Lower Upper

69 100

41 62.3 60.3 90.5

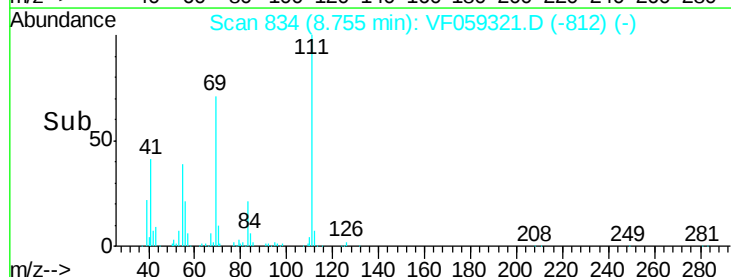
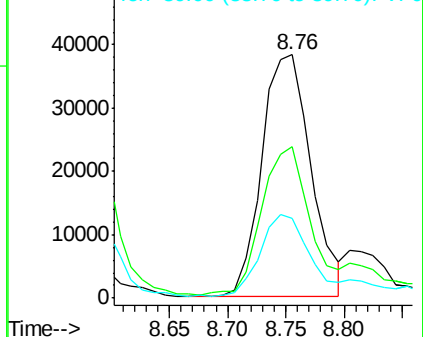
39 32.9 42.2 63.4#

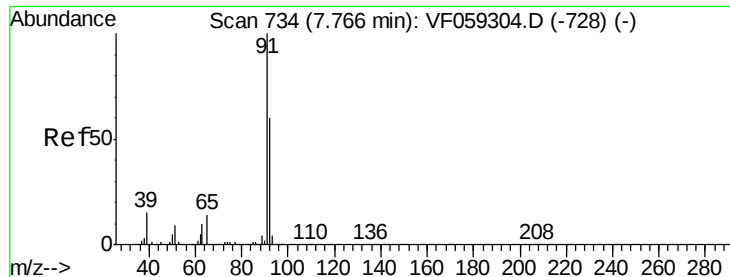


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#58

2-Chloroethyl Vinyl ether

Concen: 5.105 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

Instrument :

MSVOA_F

ClientSampleId :

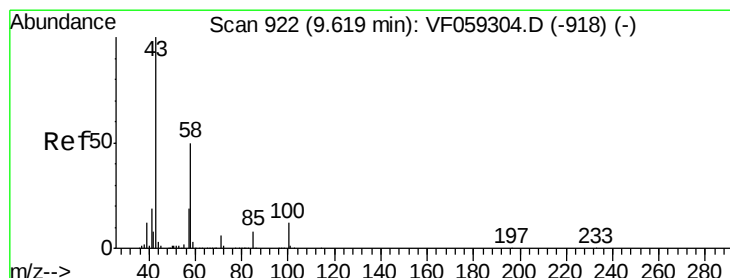
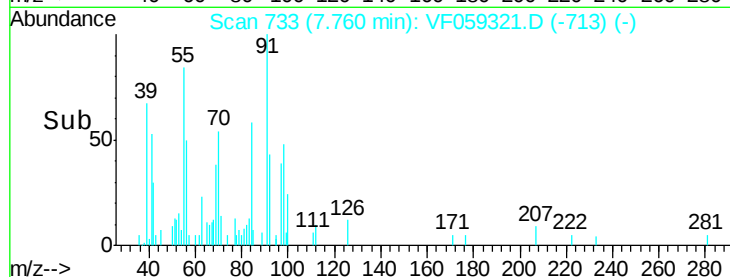
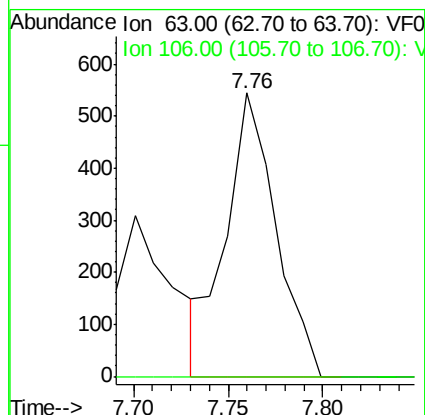
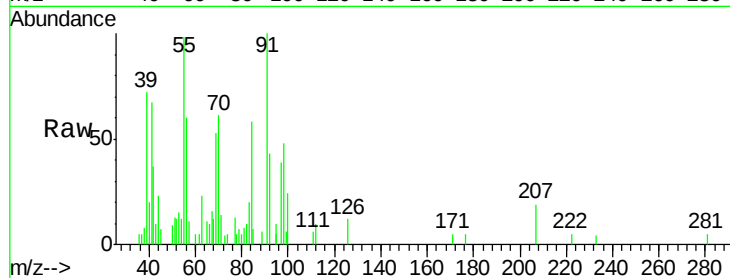
WP021SB485-23-25-180619RE

Tot Ion: 63 Resp: 989

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



#59

2-Hexanone

Concen: Below Cal

RT: 9.65 min Scan# 925

Delta R.T. 0.03 min

Lab File: VF059321.D

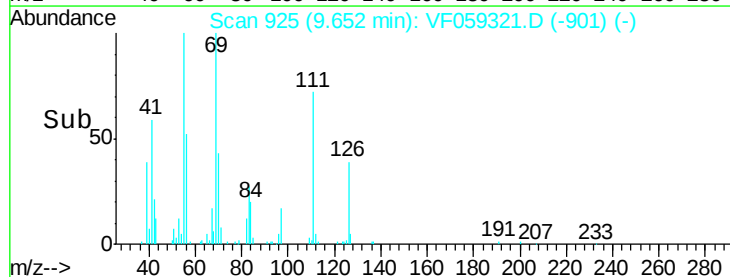
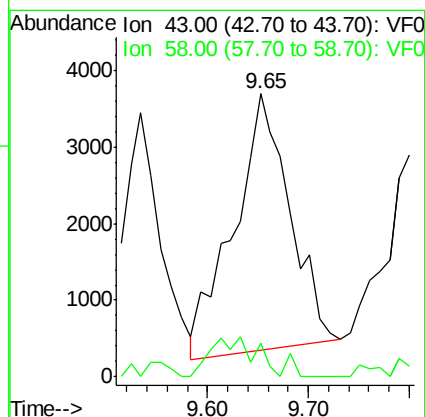
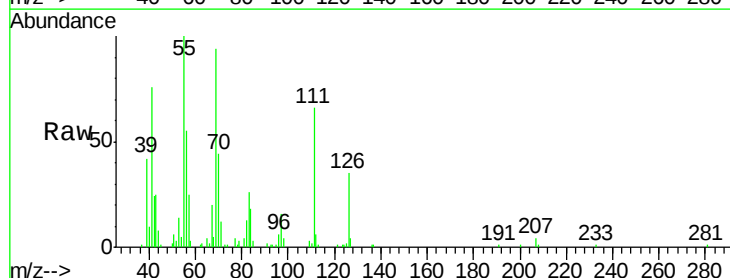
Acq: 26 Jun 2018 17:14

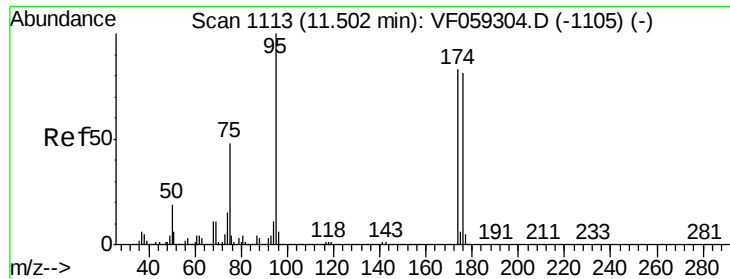
Tgt Ion: 43 Resp: 12926

Ion Ratio Lower Upper

43 100

58 12.1 23.3 69.9#

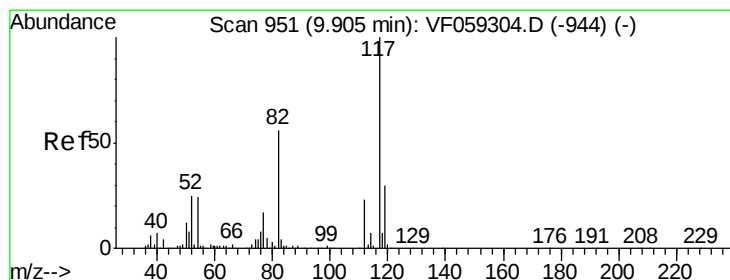
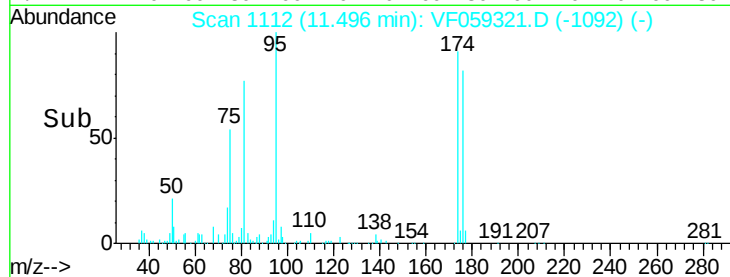
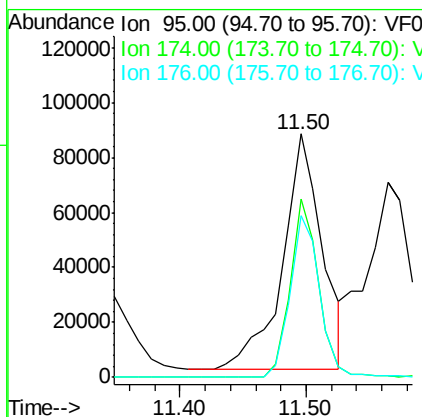
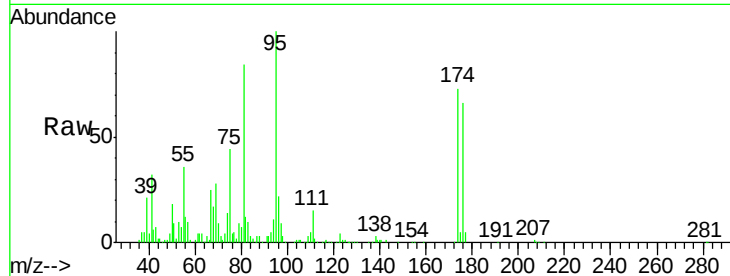




#62
4-Bromofluorobenzene
Concen: 49.448 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF059321.D
Acq: 26 Jun 2018 17:14

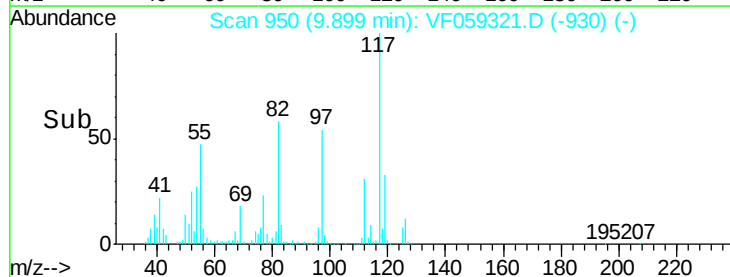
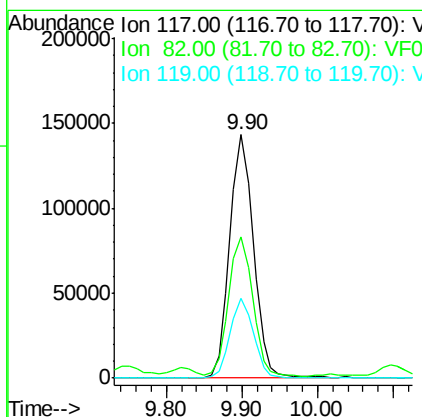
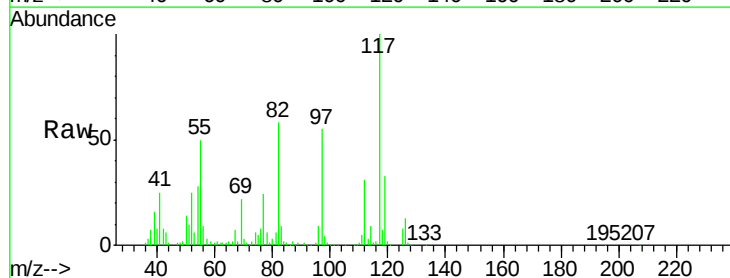
Instrument :
MSVOA_F
ClientSampleId :
WP021SB485-23-25-180619RE

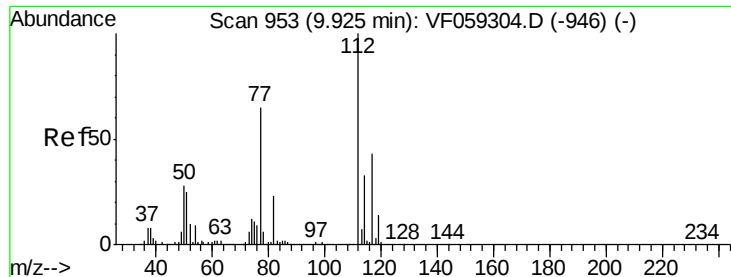
Tot Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	165.2
176	66.2	0.0	161.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059321.D
Acq: 26 Jun 2018 17:14

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





#65

Chlorobenzene

Concen: 65.263 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

Instrument :

MSVOA_F

ClientSampleId :

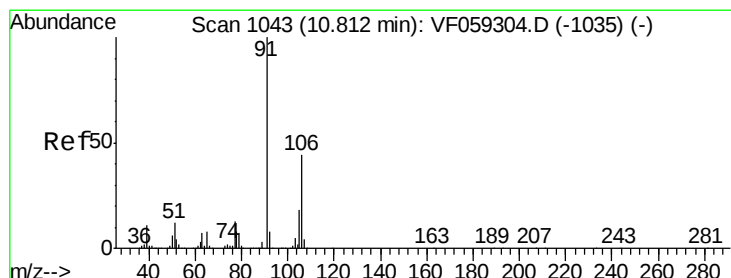
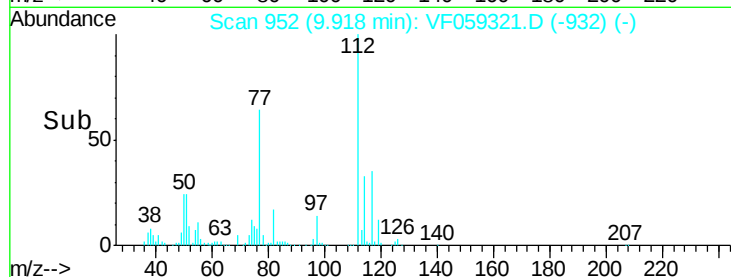
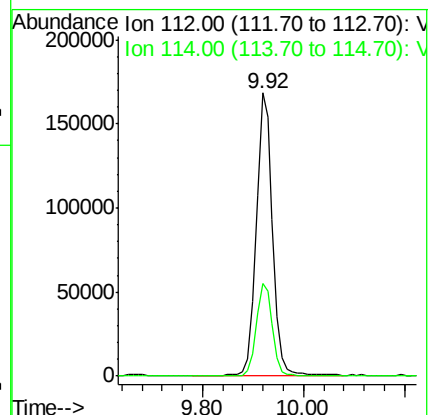
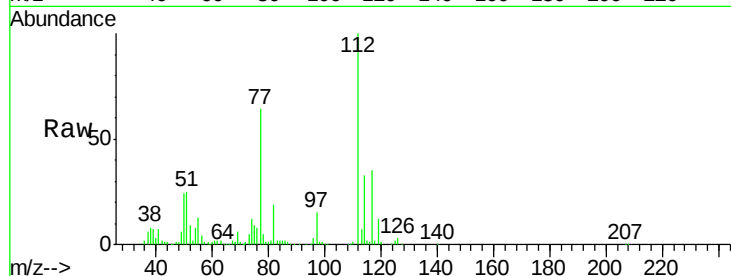
WP021SB485-23-25-180619RE

Tot Ion:112 Resp: 379791

Ion Ratio Lower Upper

112 100

114 32.8 26.5 39.7



#69

o-Xylene

Concen: 1.369 ug/l

RT: 10.82 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VF059321.D

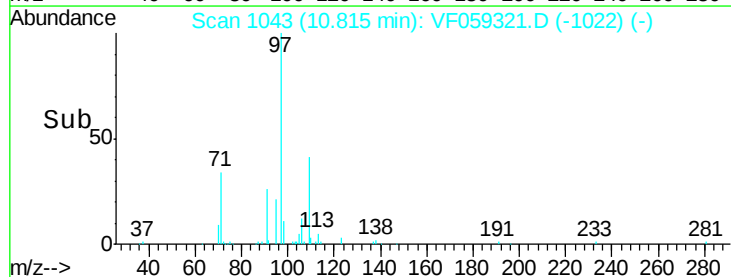
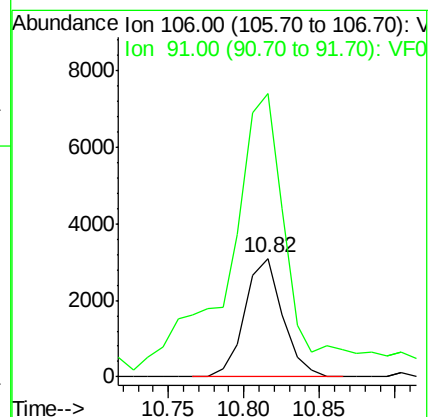
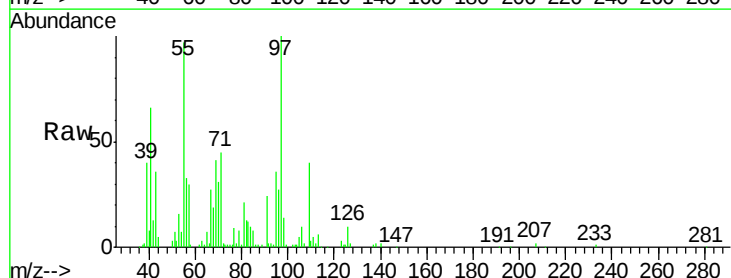
Acq: 26 Jun 2018 17:14

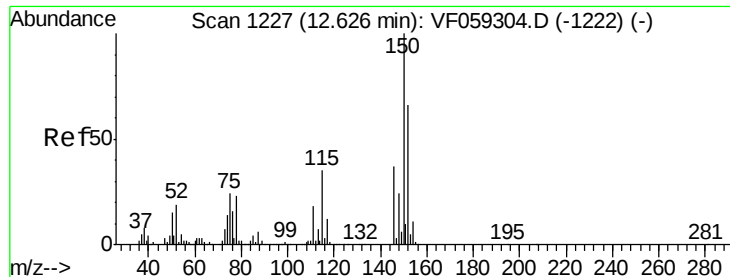
Tgt Ion:106 Resp: 5381

Ion Ratio Lower Upper

106 100

91 239.3 114.6 343.6



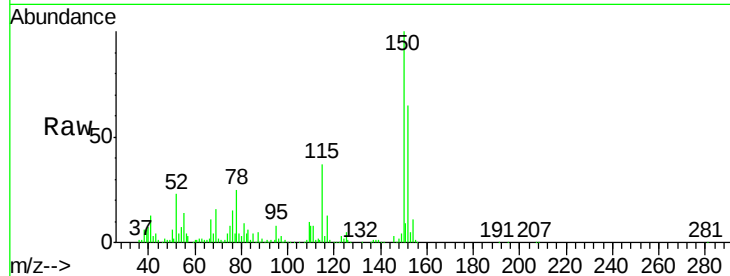


#72

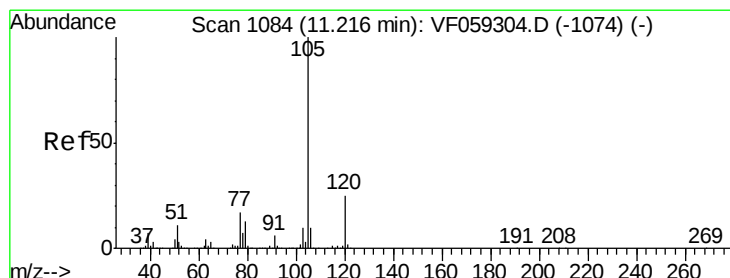
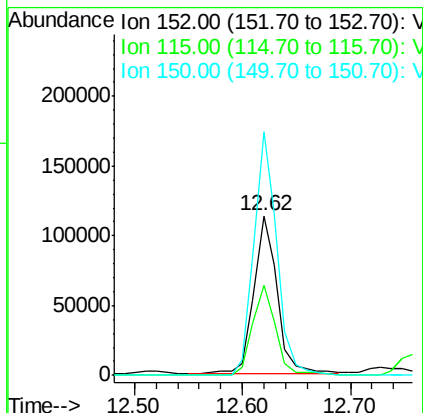
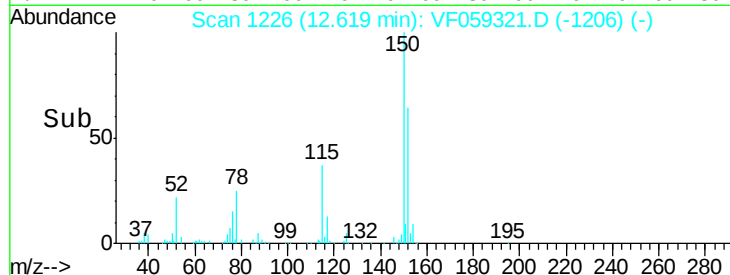
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059321.D
Acq: 26 Jun 2018 17:14

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

Tot Ion:152 Resp: 172593
Ion Ratio Lower Upper
152 100
115 56.4 27.1 81.3
150 153.0 0.0 305.2



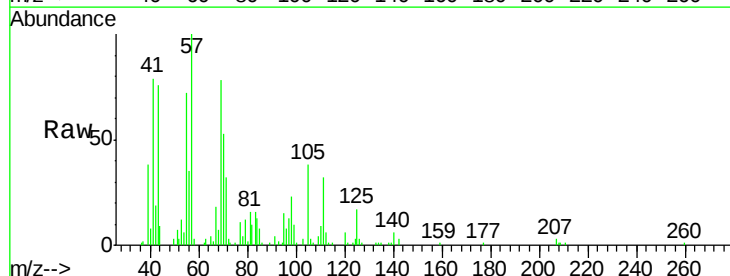
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



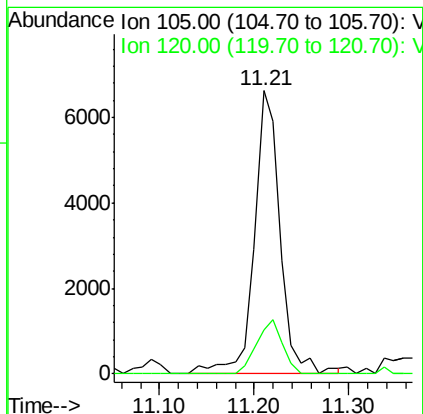
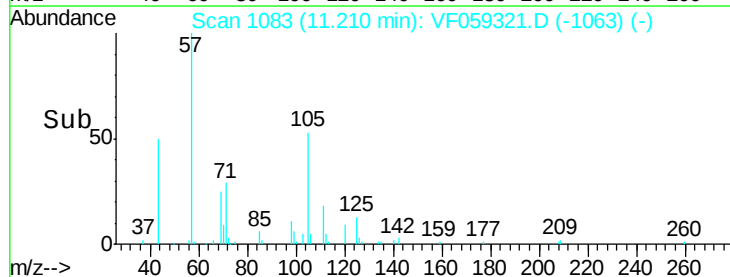
#73

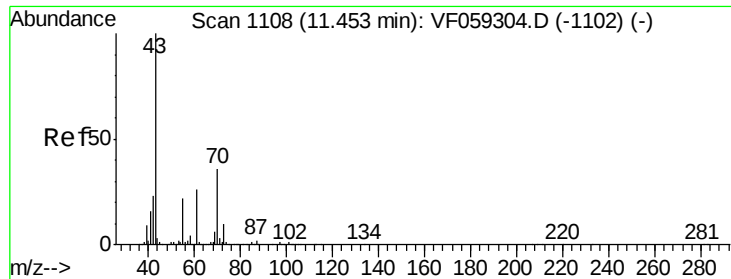
Isopropylbenzene
Concen: 1.251 ug/l
RT: 11.21 min Scan# 1083
Delta R.T. -0.01 min
Lab File: VF059321.D
Acq: 26 Jun 2018 17:14

Tgt Ion:105 Resp: 12583
Ion Ratio Lower Upper
105 100
120 15.6 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 6.714 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.02 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-23-25-180619RE

Tot Ion: 43 Resp: 24499

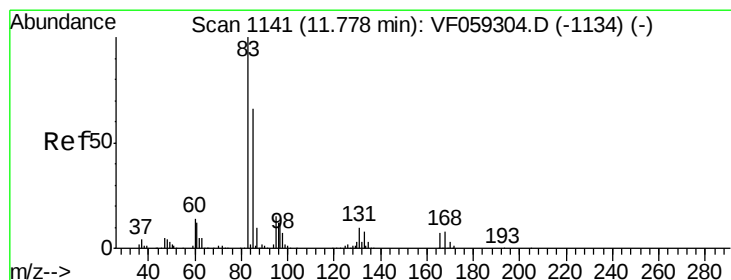
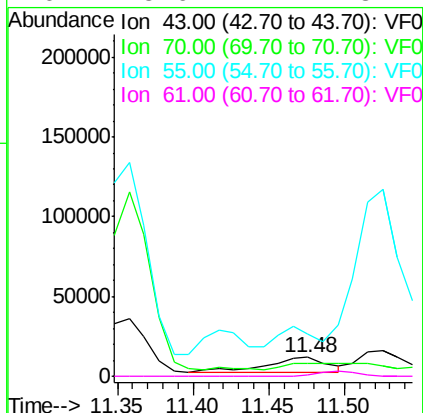
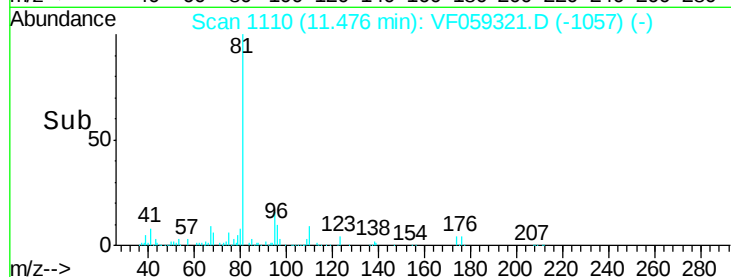
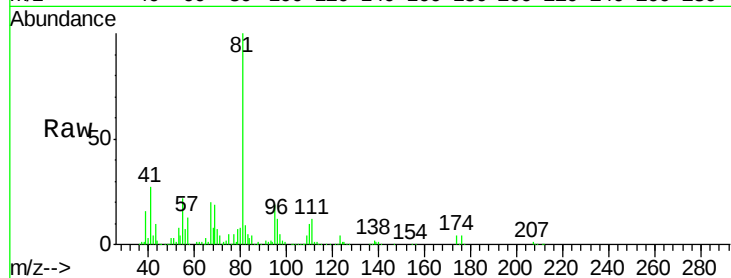
Ion Ratio Lower Upper

43 100

70 68.0 28.8 43.2#

55 224.0 17.4 26.0#

61 5.6 21.1 31.7#



#75

1,1,2,2-Tetrachloroethane

Concen: 30.167 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. -0.03 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

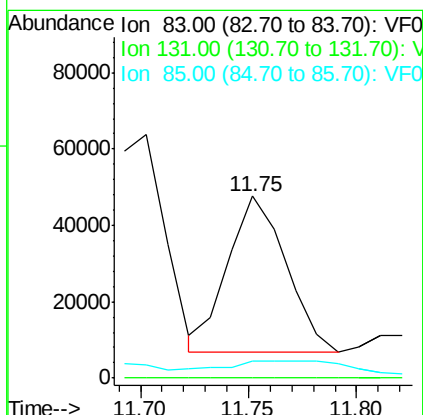
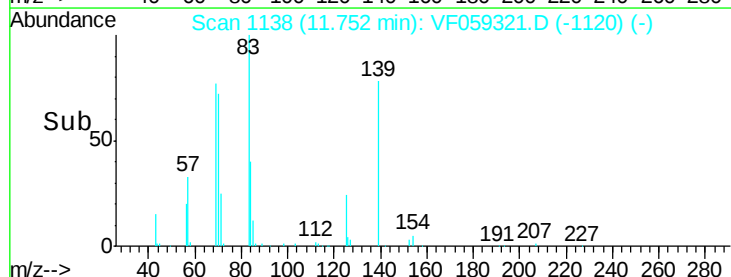
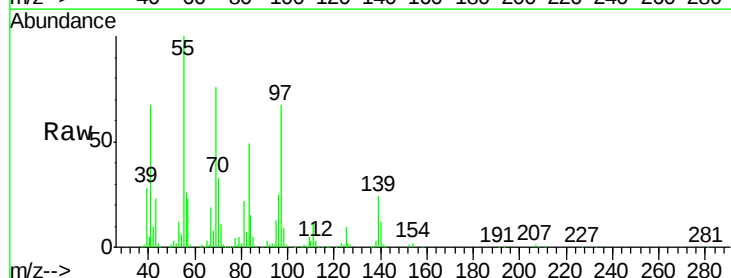
Tgt Ion: 83 Resp: 76605

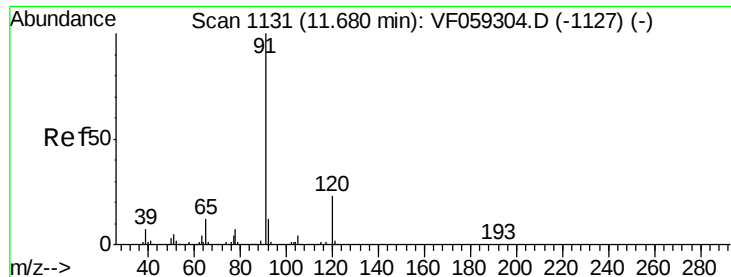
Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

85 9.6 32.8 98.4#





#78

n-propylbenzene

Concen: 1.372 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

Instrument :

MSVOA_F

ClientSampleId :

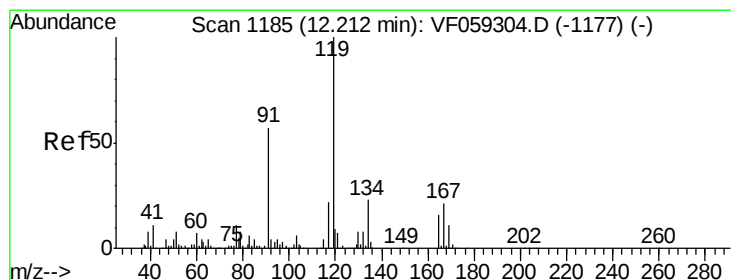
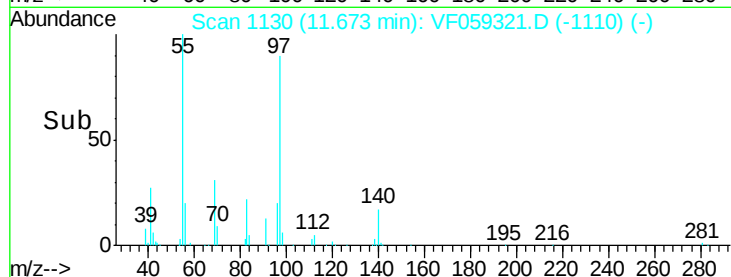
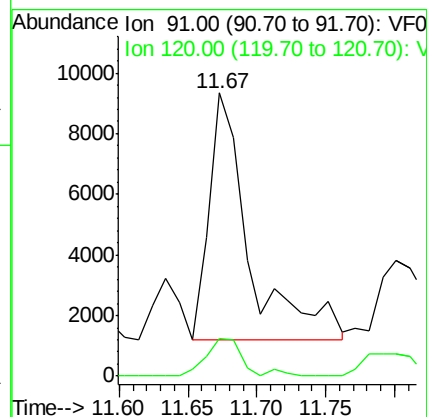
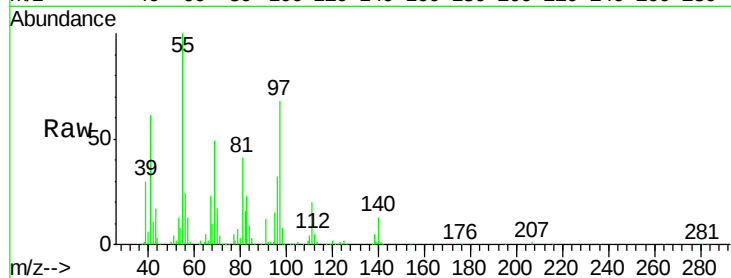
WP021SB485-23-25-180619RE

Tot Ion: 91 Resp: 16563

Ion Ratio Lower Upper

91 100

120 13.1 11.7 35.0



#83

tert-Butylbenzene

Concen: 6.297 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

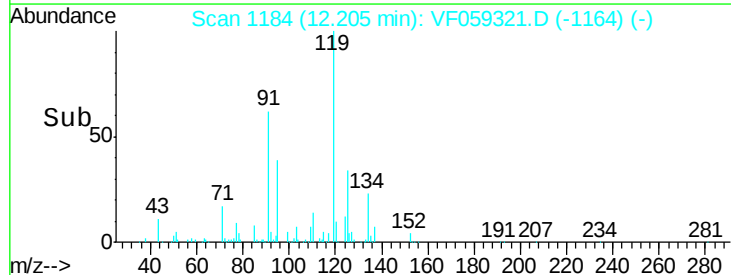
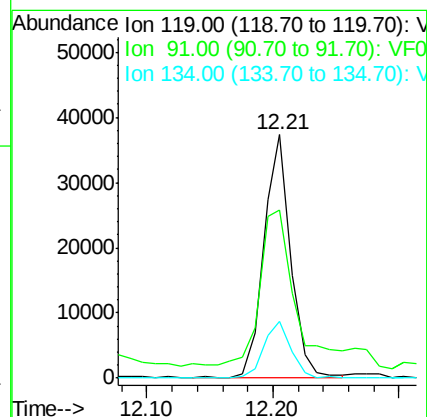
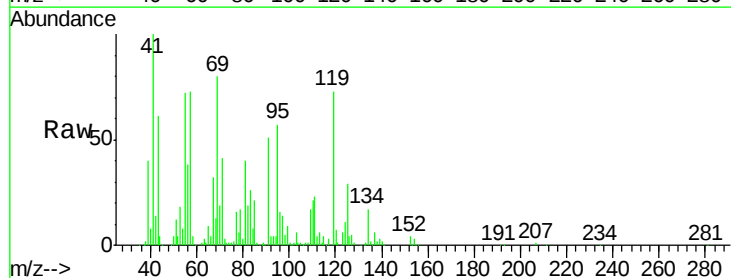
Tgt Ion: 119 Resp: 55474

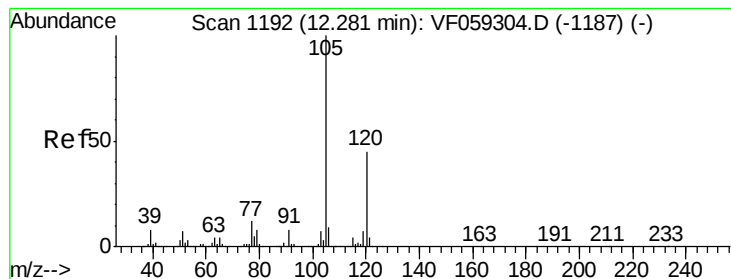
Ion Ratio Lower Upper

119 100

91 69.1 28.4 85.2

134 23.5 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 29.559 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.09 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

Instrument :

MSVOA_F

ClientSampleId :

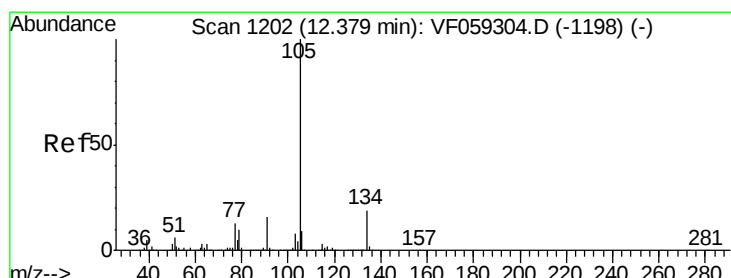
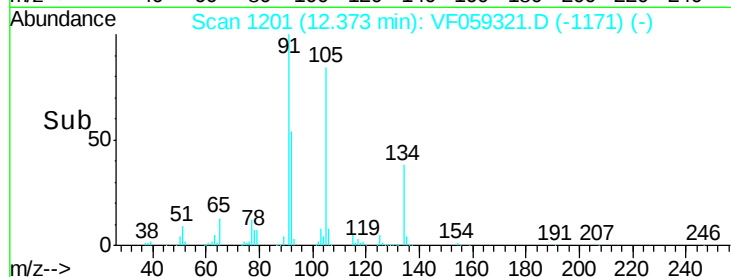
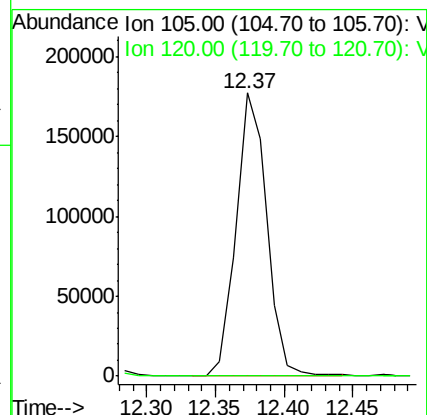
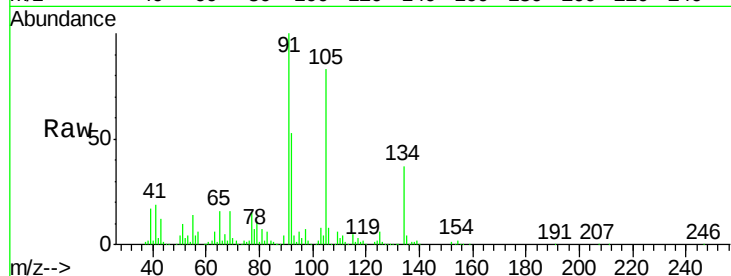
WP021SB485-23-25-180619RE

Tot Ion:105 Resp: 274189

Ion Ratio Lower Upper

105 100

120 0.1 22.8 68.4#



#85

sec-Butylbenzene

Concen: 23.497 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF059321.D

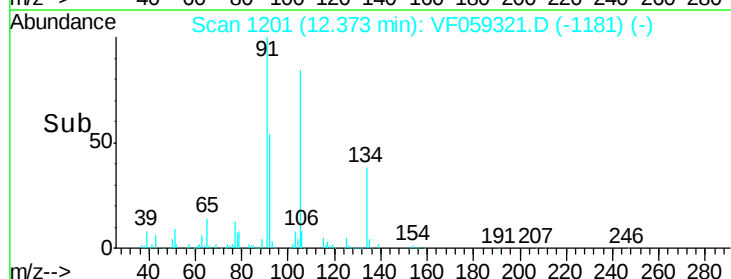
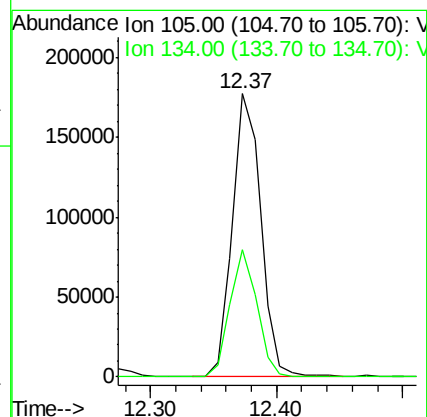
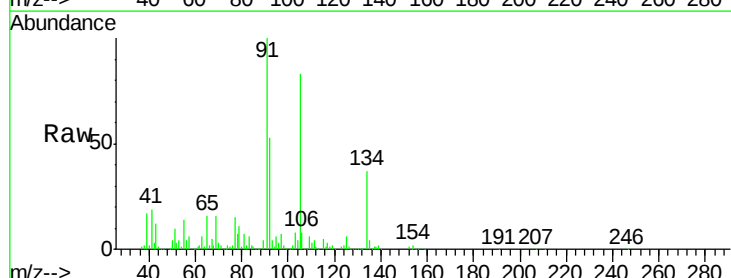
Acq: 26 Jun 2018 17:14

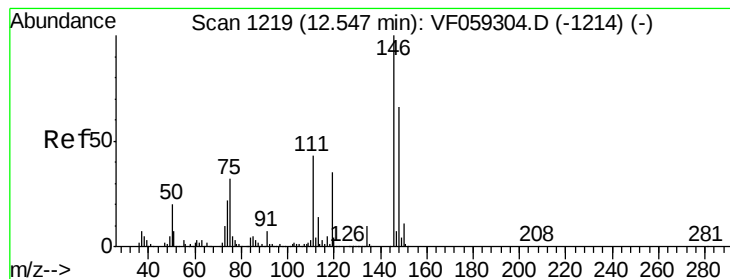
Tgt Ion:105 Resp: 274369

Ion Ratio Lower Upper

105 100

134 44.8 9.4 28.3#





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-23-25-180619RE

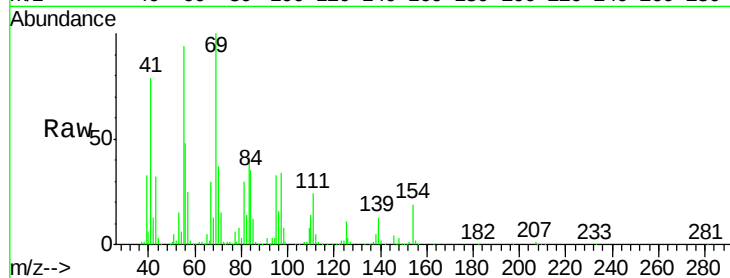
Tot Ion:146 Resp: 4868

Ion Ratio Lower Upper

146 100

111 546.1 21.4 64.2#

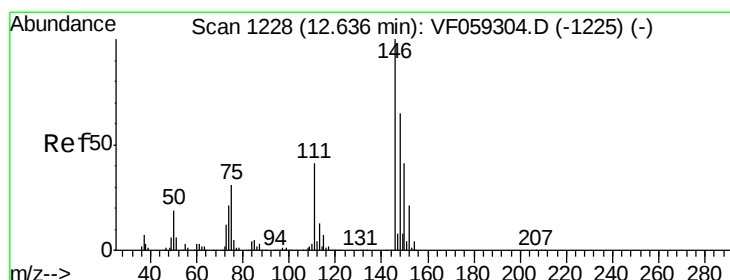
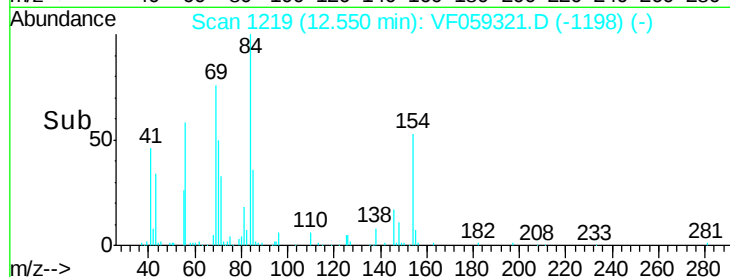
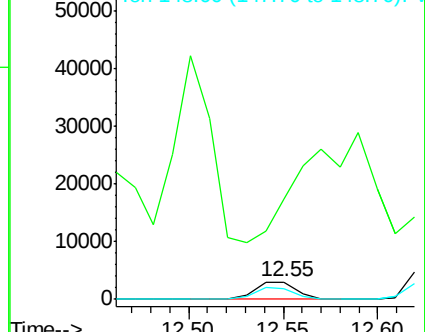
148 61.5 32.8 98.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 4.390 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

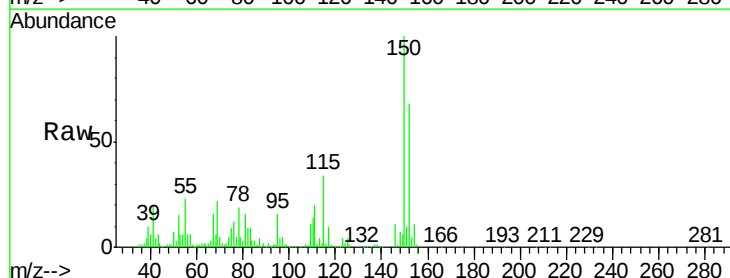
Tgt Ion:146 Resp: 21870

Ion Ratio Lower Upper

146 100

111 175.2 20.7 62.1#

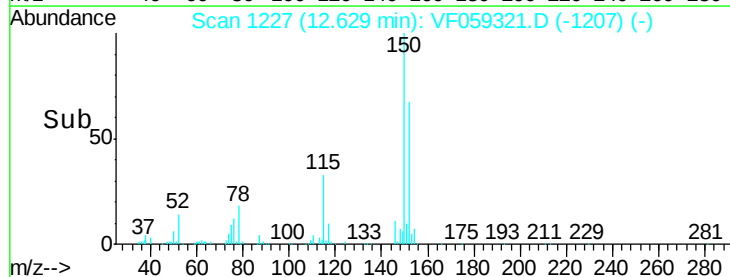
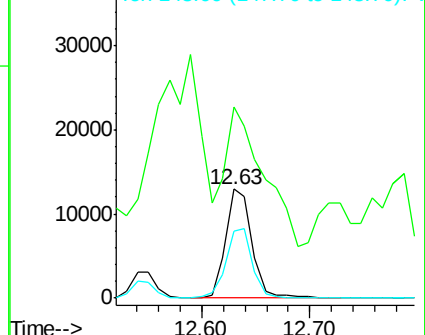
148 61.2 32.8 98.3

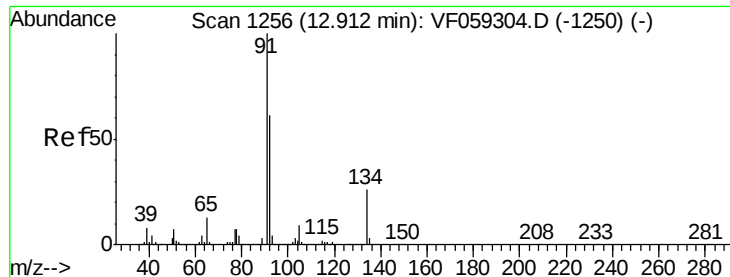


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 8.996 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-23-25-180619RE

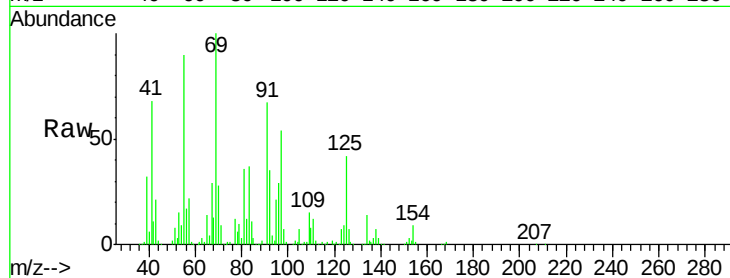
Tot Ion: 91 Resp: 89495

Ion Ratio Lower Upper

91 100

92 52.5 30.3 91.0

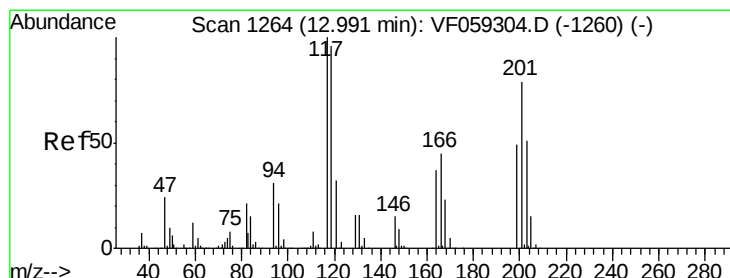
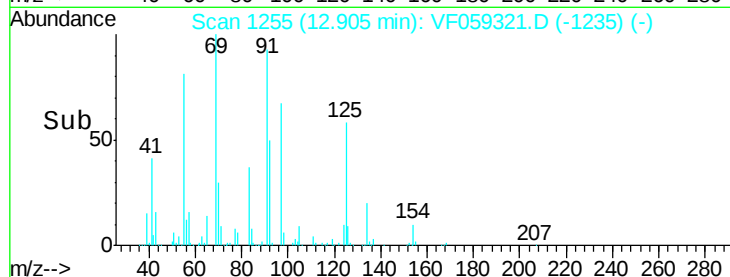
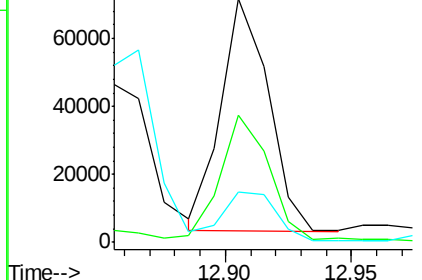
134 20.8 12.9 38.7



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



#90

Hexachloroethane

Concen: 4.191 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059321.D

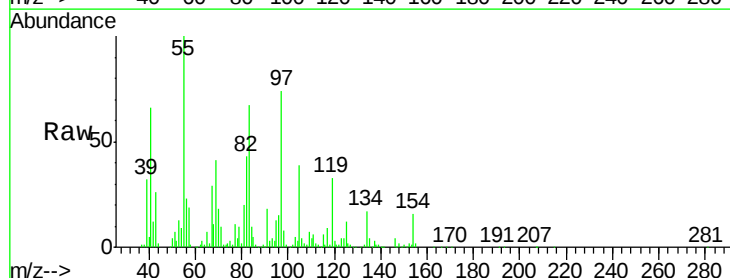
Acq: 26 Jun 2018 17:14

Tgt Ion: 117 Resp: 10235

Ion Ratio Lower Upper

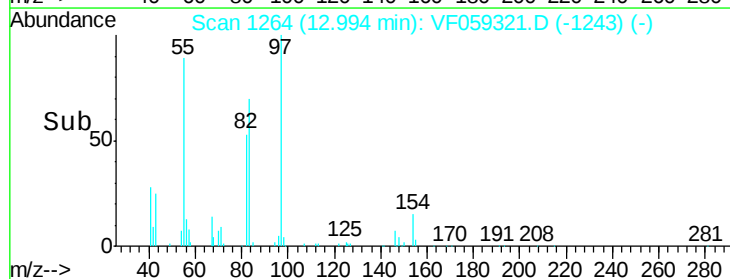
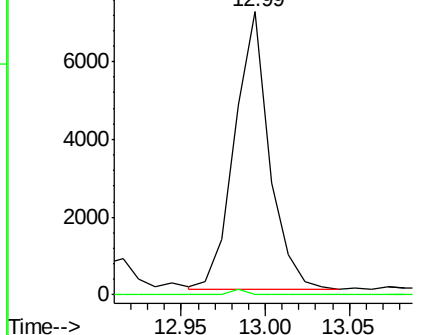
117 100

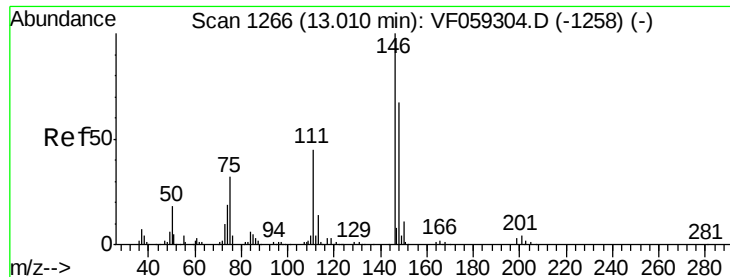
201 0.0 39.5 118.5#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 3.003 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

Instrument :

MSVOA_F

ClientSampleId :

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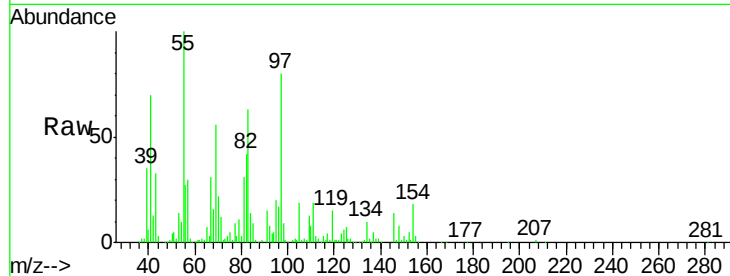
Tot Ion:146 Resp: 15208

Ion Ratio Lower Upper

146 100

111 136.6 22.7 68.0#

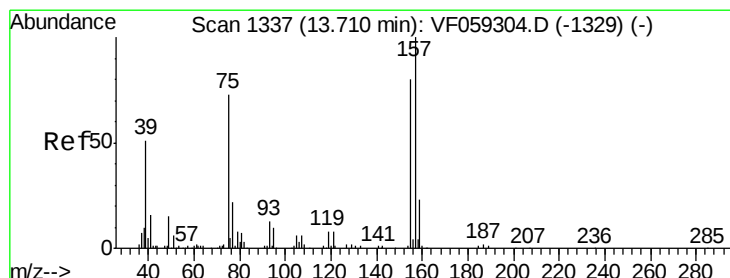
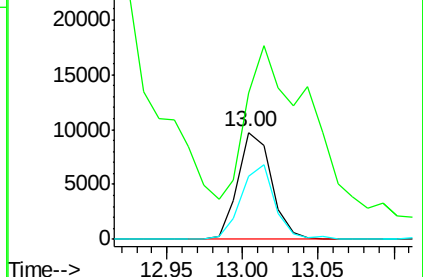
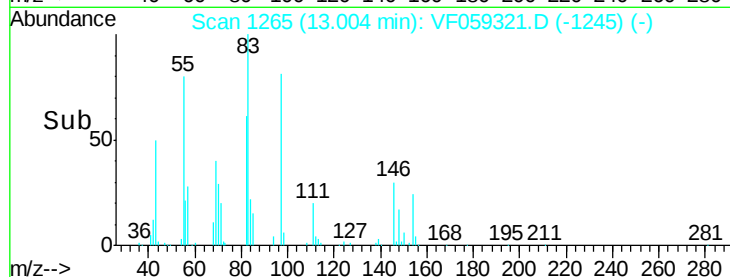
148 58.8 33.5 100.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.633 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

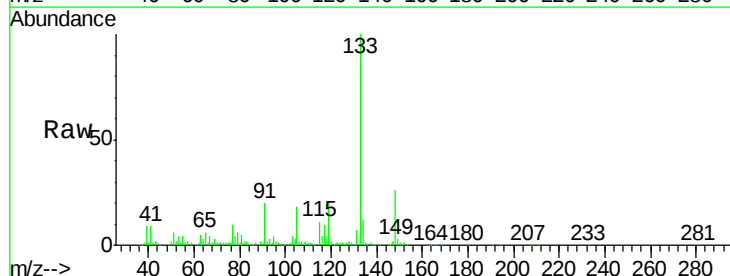
Tgt Ion: 75 Resp: 3171

Ion Ratio Lower Upper

75 100

155 0.0 54.6 163.8#

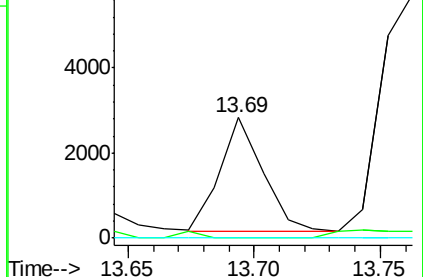
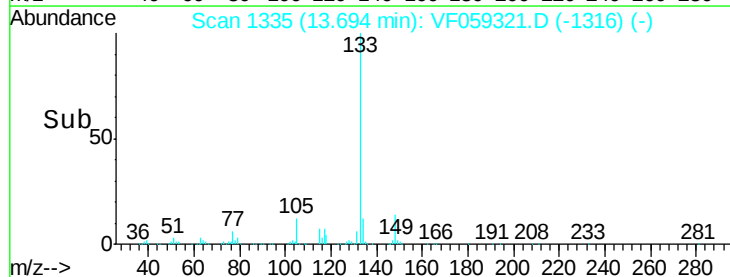
157 0.0 68.7 205.9#

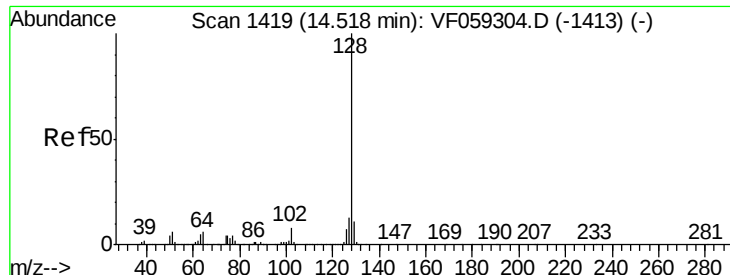


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#95

Naphthalene

Concen: 3.200 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059321.D

Acq: 26 Jun 2018 17:14

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-23-25-180619RE

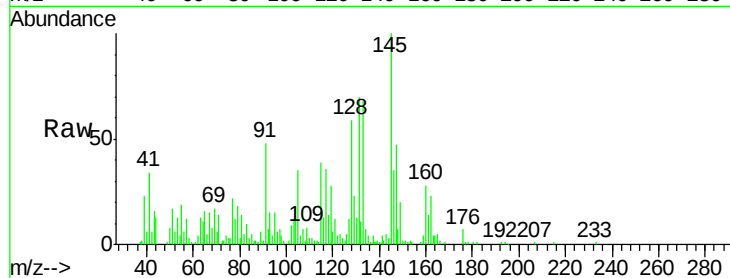
Tot Ion:128 Resp: 25071

Ion Ratio Lower Upper

128 100

127 19.7 10.1 15.1#

129 38.3 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

