

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059323.D
 Acq On : 26 Jun 2018 18:09
 Operator : VA/AP
 Sample : J3664-17RE
 Misc : 5.49g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB485-29-31-180619RE

Quant Time: Jun 27 02:21:41 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	250164	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	421584	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	319247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	156735	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	144993	44.86	ug/l	-0.01
Spiked Amount			Recovery	=	89.72%	
35) Dibromofluoromethane	4.27	113	136363	44.27	ug/l	-0.01
Spiked Amount			Recovery	=	88.54%	
50) Toluene-d8	7.69	98	313178	41.06	ug/l	-0.01
Spiked Amount			Recovery	=	82.12%	
62) 4-Bromofluorobenzene	11.50	95	253093	58.83	ug/l	0.00
Spiked Amount			Recovery	=	117.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	1750	1.140	ug/l	93
5) Bromomethane	1.33	94	100	Below Cal	#	4
11) Tert butyl alcohol	2.65	59	1123	5.219	ug/l #	66
13) Acrolein	2.07	56	465	Below Cal	#	25
15) Acrylonitrile	3.04	53	1528	4.033	ug/l #	55
16) Acetone	2.32	43	89380	104.804	ug/l	97
17) Carbon Disulfide	1.83	76	17726	5.109	ug/l	95
18) Methyl Acetate	2.32	43	88802	61.132	ug/l #	63
20) Methylene Chloride	2.27	84	11544	Below Cal		87
25) 2-Butanone	4.48	43	29902	28.145	ug/l	99
27) cis-1,2-Dichloroethene	3.61	96	11620	4.865	ug/l	69
28) Bromochloromethane	3.87	49	64	Below Cal	#	6
29) Tetrahydrofuran	4.18	42	2263	Below Cal	#	36
30) Chloroform	4.01	83	6735	1.224	ug/l	94
31) Cyclohexane	3.83	56	9657	3.878	ug/l #	77
37) Ethyl Acetate	4.31	43	395	Below Cal	#	15
39) Methylcyclohexane	5.61	83	140140	42.941	ug/l	96
40) Benzene	4.79	78	14373	1.760	ug/l #	89
43) Isopropyl Acetate	7.16	43	13236	4.315	ug/l #	52
44) Trichloroethene	5.65	130	4373	1.561	ug/l	76
48) Methyl methacrylate	6.84	41	2728	1.327	ug/l #	75
49) 1,4-Dioxane	6.70	88	70	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.41	43	70111	30.850	ug/l #	45
55) 1,1,2-Trichloroethane	8.52	97	21187	8.931	ug/l #	50
56) Ethyl methacrylate	8.75	69	192266	65.422	ug/l #	74
58) 2-Chloroethyl Vinyl ether	7.76	63	1178	5.345	ug/l	100
59) 2-Hexanone	9.66	43	20356	Below Cal	#	34
64) Tetrachloroethene	8.29	164	9900	4.781	ug/l	94
65) Chlorobenzene	9.92	112	845295	142.890	ug/l	100
67) Ethyl Benzene	10.02	91	12211	1.217	ug/l	96
68) m/p-Xylenes	10.25	106	4620	1.293	ug/l #	51
69) o-Xylene	10.81	106	14774	3.698	ug/l	87
73) Isopropylbenzene	11.22	105	77394	8.476	ug/l	99
74) N-ethyl acetate	11.48	43	52683	15.899	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

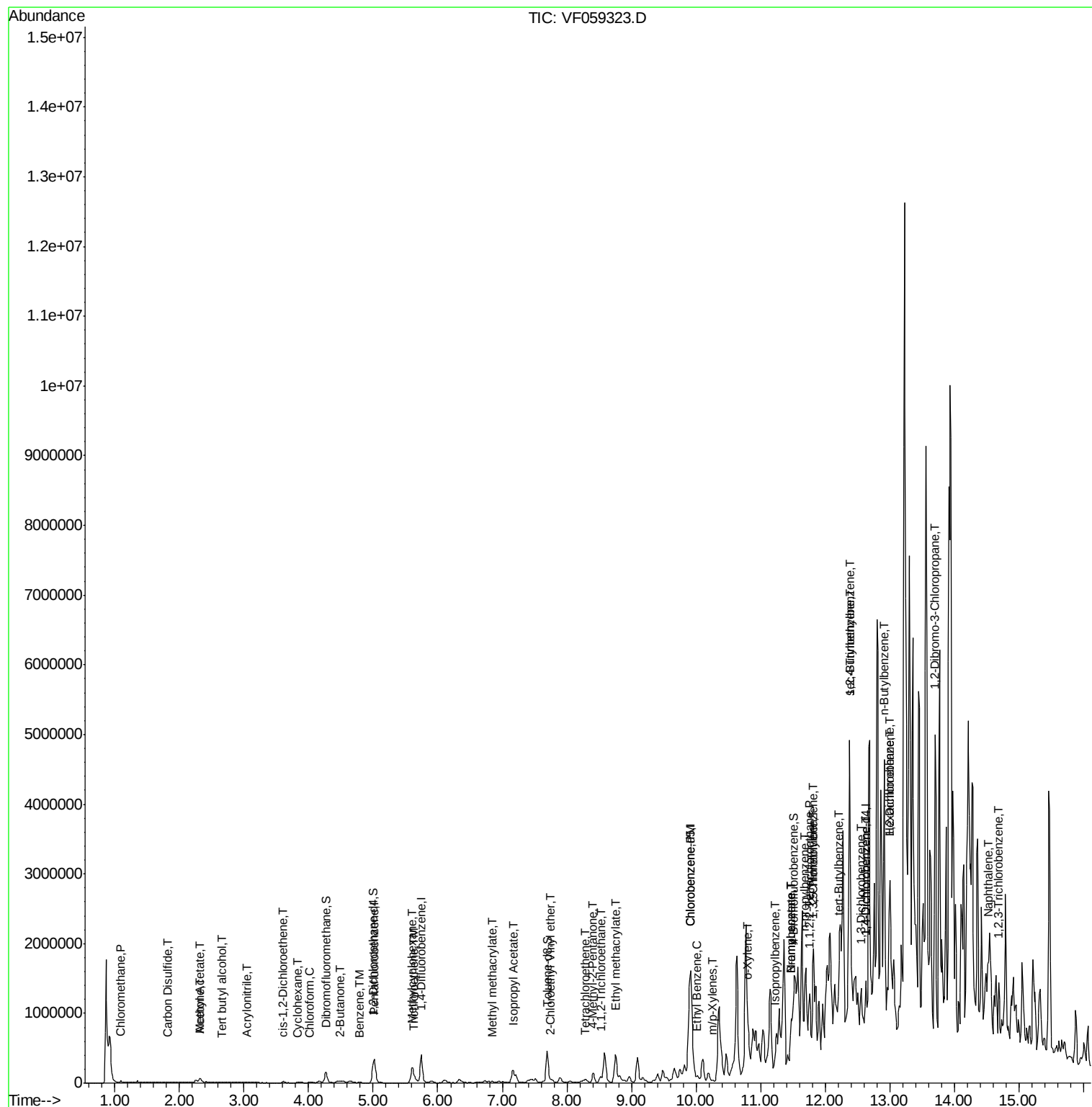
75) 1,1,2,2-Tetrachloroethane	11.76	83	108952	47.246	ug/l #	37
77) Bromobenzene	11.47	156	6590	2.601	ug/l #	20
78) n-propylbenzene	11.68	91	56770	5.177	ug/l	92
79) 2-Chlorotoluene	11.82	91	18771	2.802	ug/l #	59
80) 1,3,5-Trimethylbenzene	11.80	105	10160	1.270	ug/l	81
83) tert-Butylbenzene	12.20	119	204625	25.579	ug/l	77
84) 1,2,4-Trimethylbenzene	12.38	105	1699559	201.756	ug/l #	31
85) sec-Butylbenzene	12.38	105	1703980	160.694	ug/l #	60
87) 1,3-Dichlorobenzene	12.55	146	31942	3.345	ug/l #	37
88) 1,4-Dichlorobenzene	12.63	146	157513	34.816	ug/l #	80
89) n-Butylbenzene	12.91	91	1361372	150.697	ug/l	96
90) Hexachloroethane	12.99	117	81735	36.852	ug/l #	10
91) 1,2-Dichlorobenzene	13.01	146	74156	16.124	ug/l #	71
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17252	33.748	ug/l #	2
95) Naphthalene	14.52	128	31446	4.420	ug/l #	2
96) 1,2,3-Trichlorobenzene	14.70	180	5364	1.665	ug/l #	1

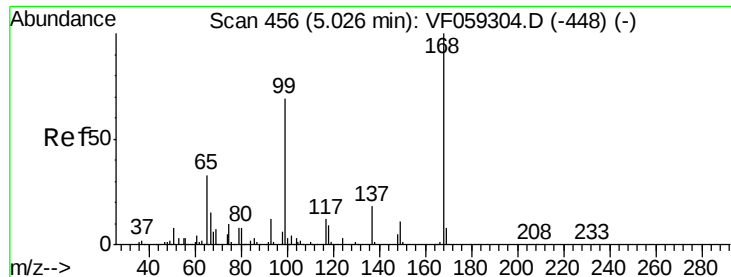
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

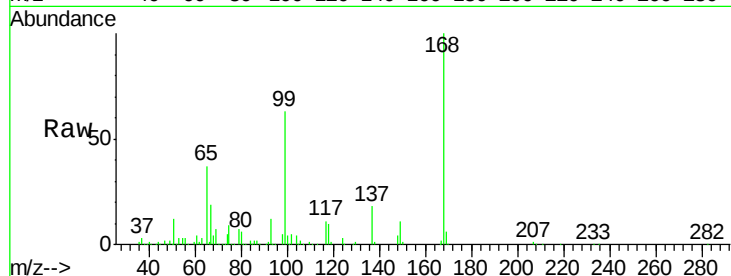
WP021SB485-29-31-180619RE

Tot Ion:168 Resp: 250164

Ion Ratio Lower Upper

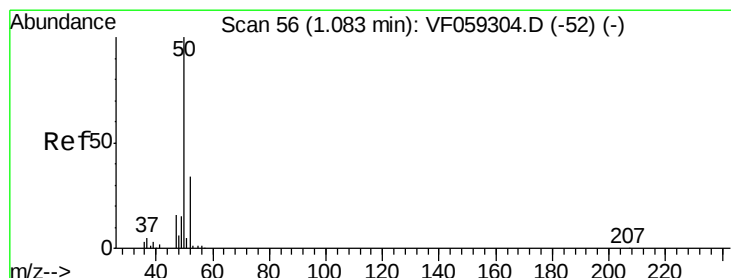
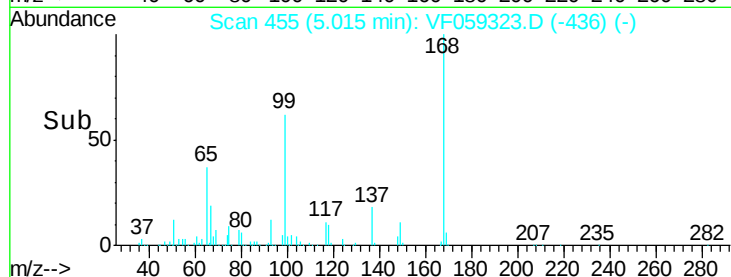
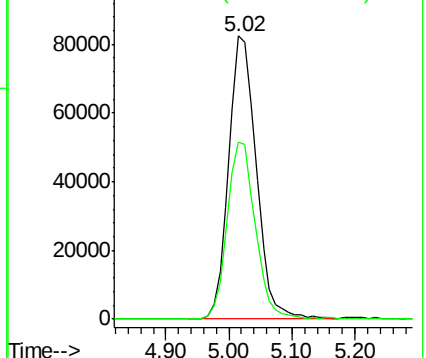
168 100

99 62.6 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 1.140 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059323.D

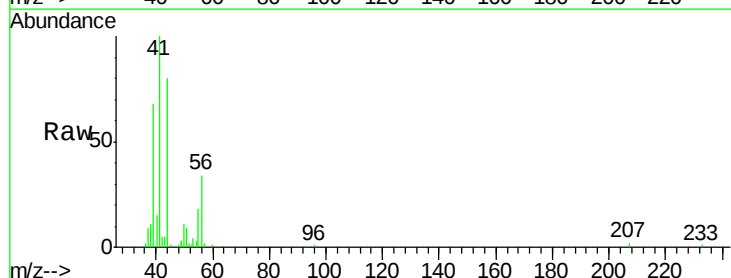
Acq: 26 Jun 2018 18:09

Tgt Ion: 50 Resp: 1750

Ion Ratio Lower Upper

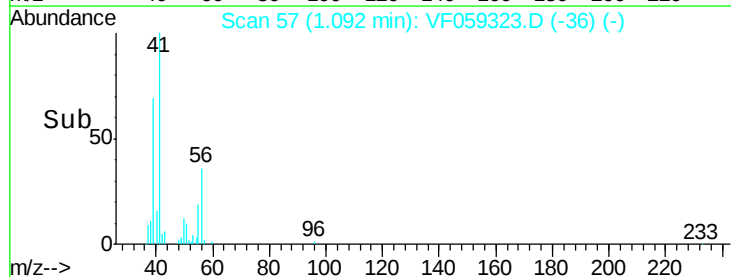
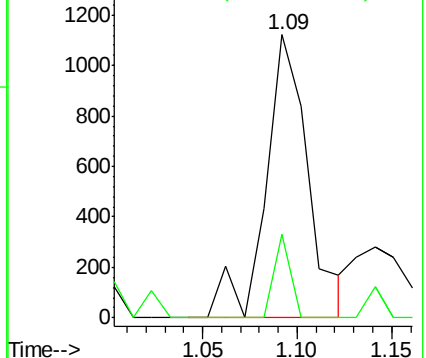
50 100

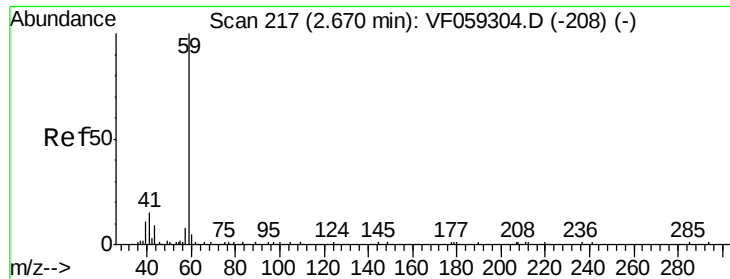
52 29.6 26.7 40.1



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



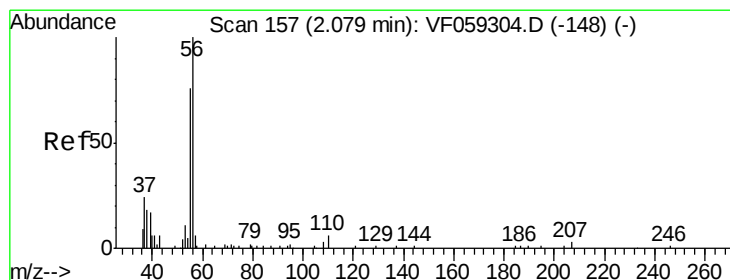
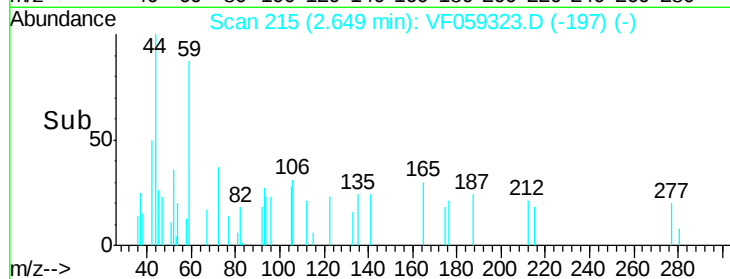
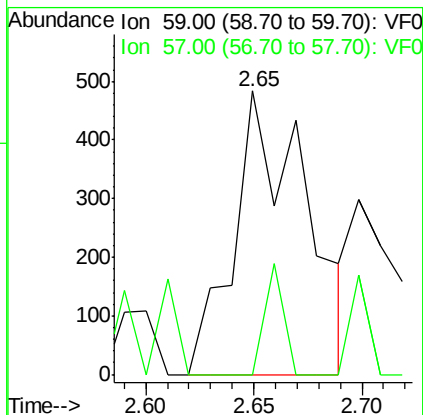
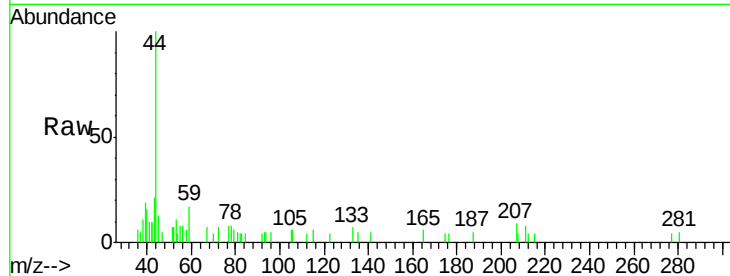


#11

Tert butyl alcohol
 Concen: 5.219 ug/l
 RT: 2.65 min Scan# 215
 Delta R.T. -0.02 min
 Lab File: VF059323.D
 Acq: 26 Jun 2018 18:09

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB485-29-31-180619RE

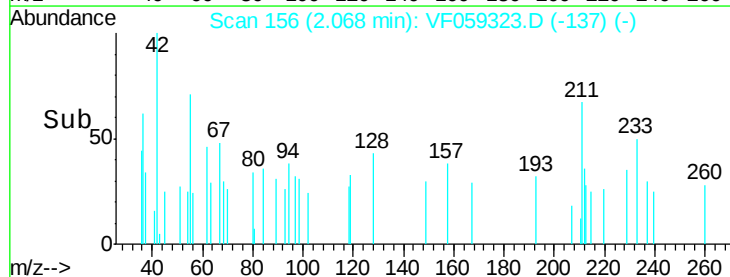
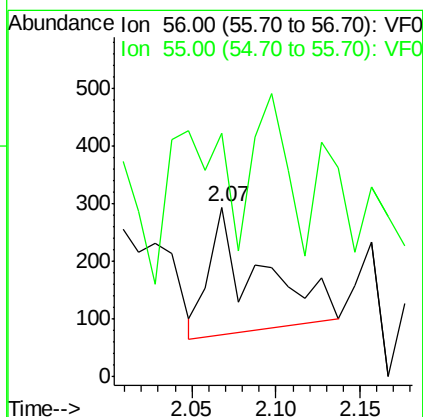
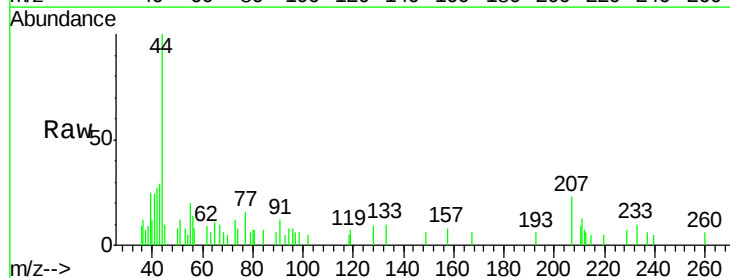
Tot Ion: 59 Resp: 1123
 Ion Ratio Lower Upper
 59 100
 57 0.0 11.0 16.4#

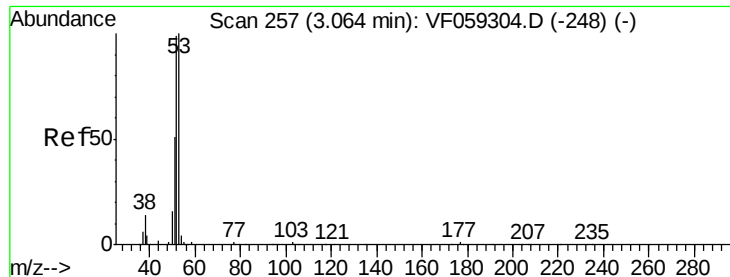


#13

Acrolein
 Concen: Below Cal
 RT: 2.07 min Scan# 156
 Delta R.T. -0.01 min
 Lab File: VF059323.D
 Acq: 26 Jun 2018 18:09

Tgt Ion: 56 Resp: 465
 Ion Ratio Lower Upper
 56 100
 55 143.5 62.4 93.6#





#15

Acrylonitrile

Concen: 4.033 ug/l

RT: 3.04 min Scan# 255

Delta R.T. -0.02 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-29-31-180619RE

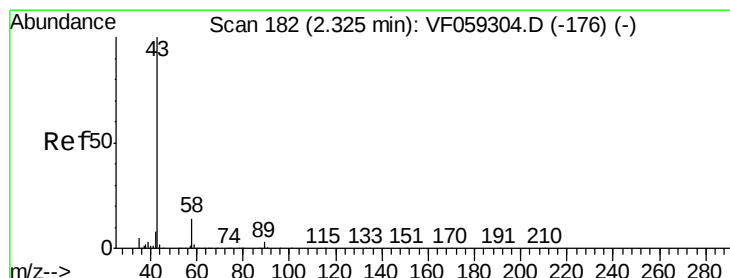
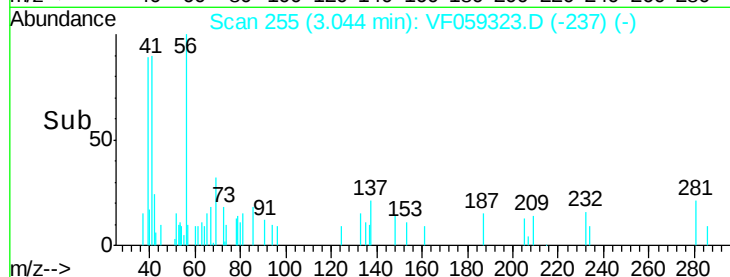
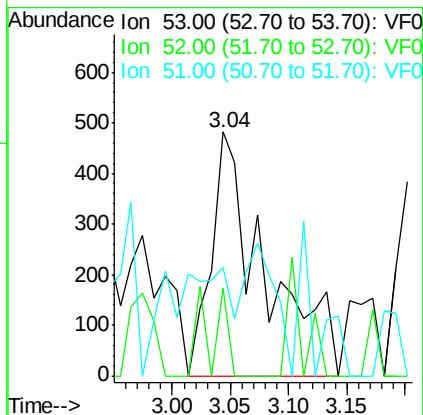
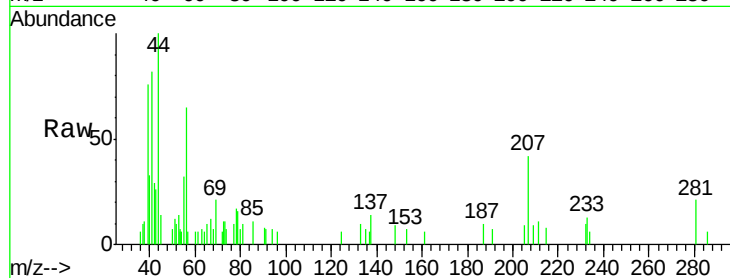
Tot Ion: 53 Resp: 1528

Ion Ratio Lower Upper

53 100

52 36.1 79.2 118.8#

51 44.4 40.9 61.3



#16

Acetone

Concen: 104.804 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059323.D

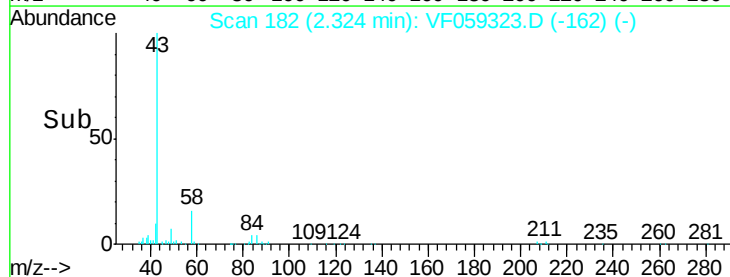
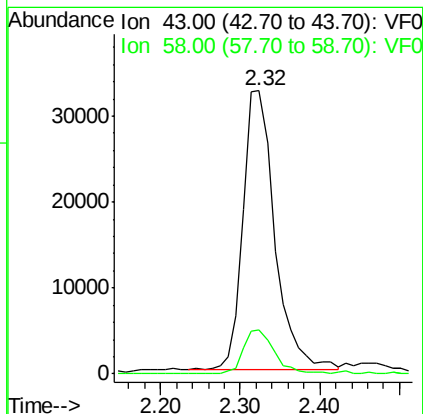
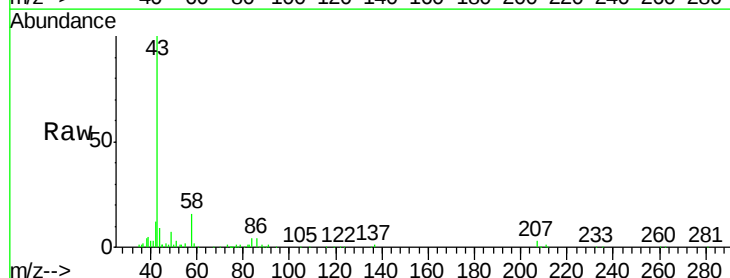
Acq: 26 Jun 2018 18:09

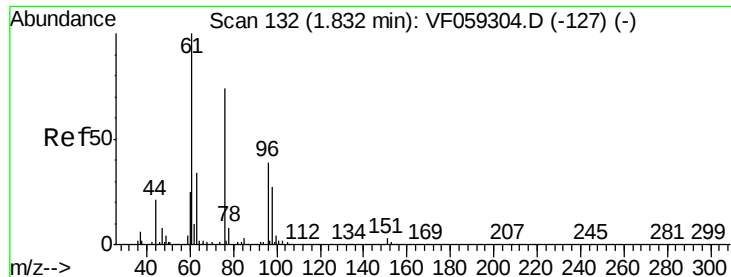
Tgt Ion: 43 Resp: 89380

Ion Ratio Lower Upper

43 100

58 15.6 11.4 17.0





#17

Carbon Disulfide

Concen: 5.109 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

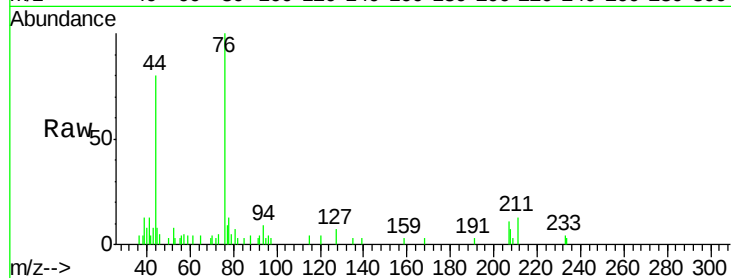
WP021SB485-29-31-180619RE

Tot Ion: 76 Resp: 17726

Ion Ratio Lower Upper

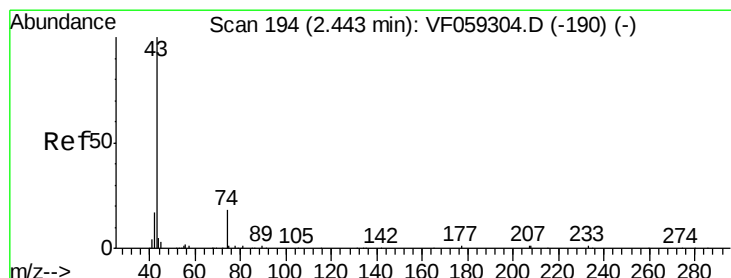
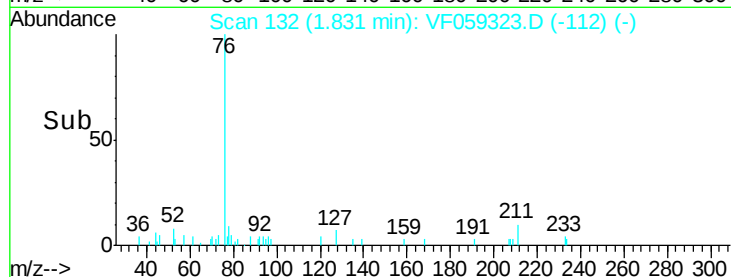
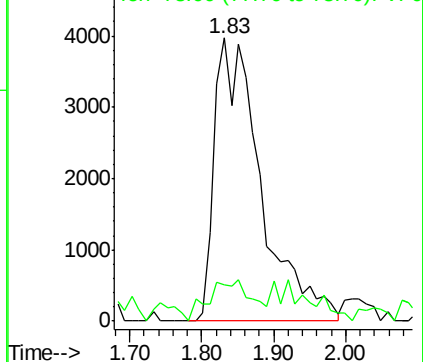
76 100

78 12.9 8.9 13.3



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 61.132 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.12 min

Lab File: VF059323.D

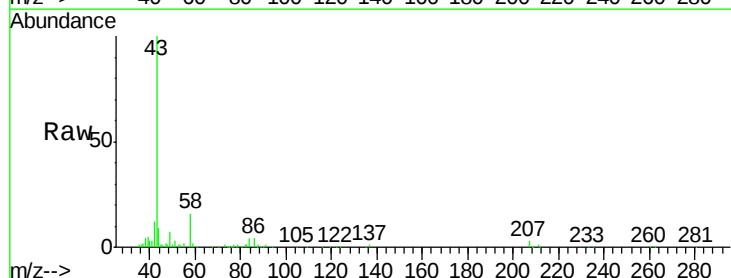
Acq: 26 Jun 2018 18:09

Tgt Ion: 43 Resp: 88802

Ion Ratio Lower Upper

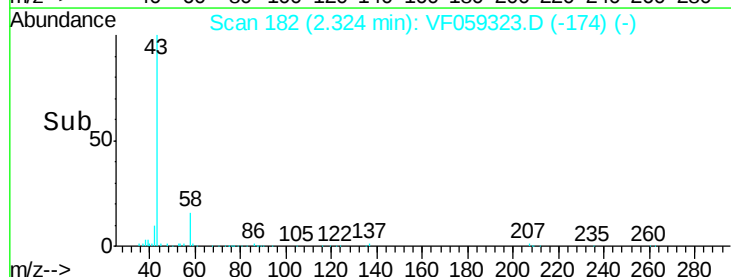
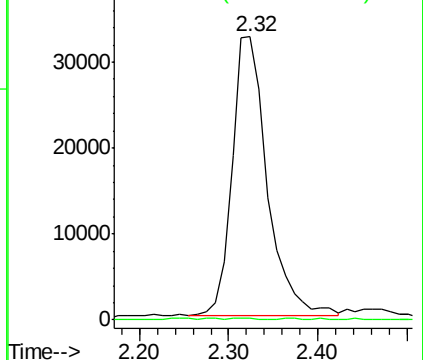
43 100

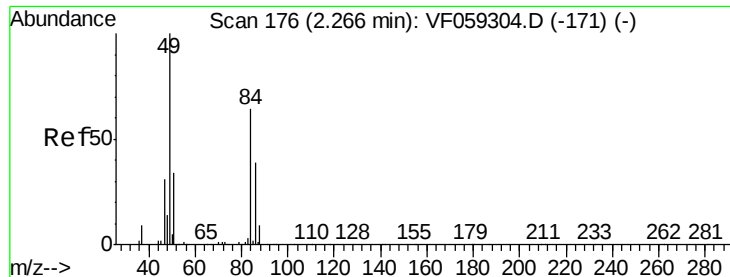
74 0.7 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

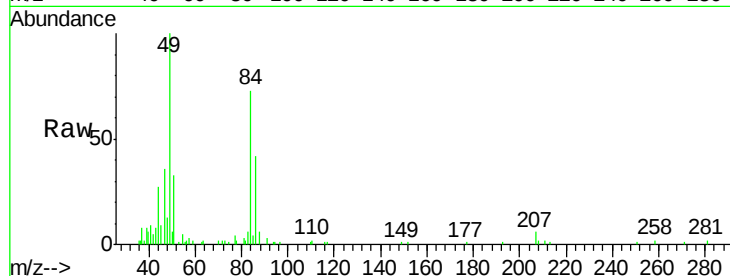




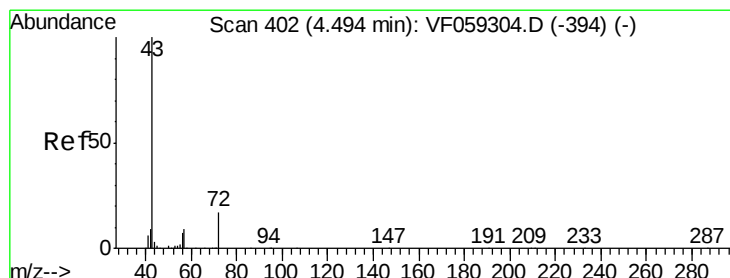
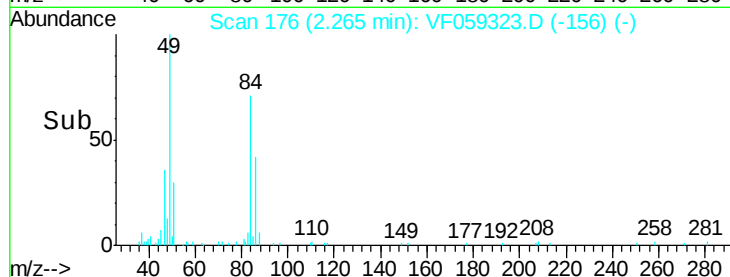
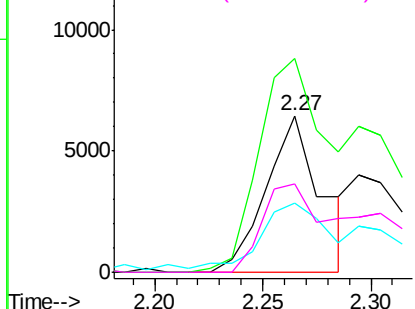
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF059323.D
Acq: 26 Jun 2018 18:09

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Tot Ion: 84 Resp: 11544
Ion Ratio Lower Upper
84 100
49 136.6 126.5 189.7
51 44.5 42.9 64.3
86 56.9 48.6 73.0

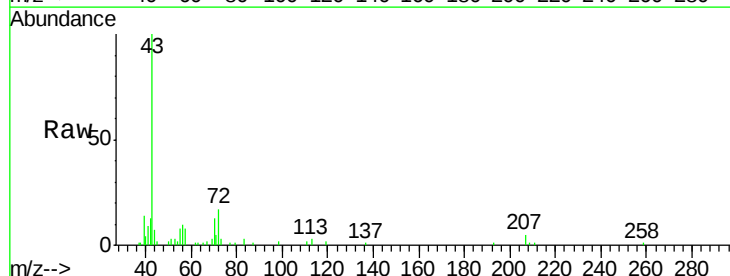


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

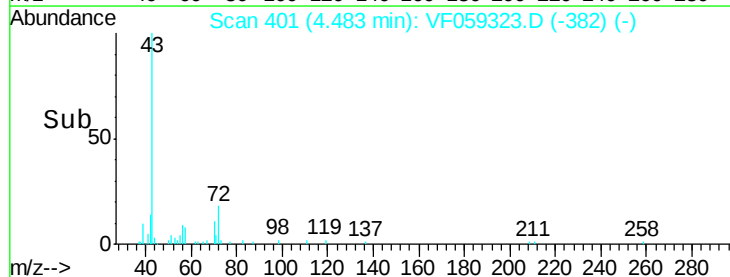
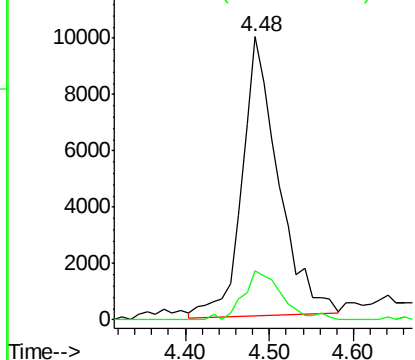


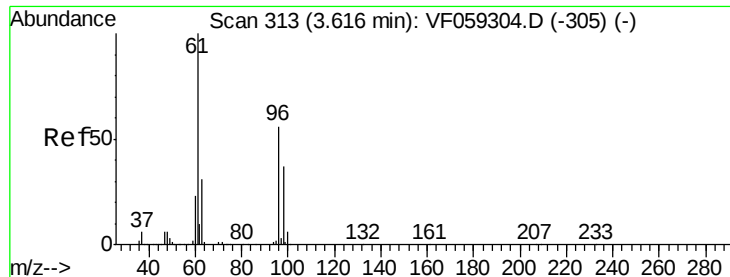
#25
2-Butanone
Concen: 28.145 ug/l
RT: 4.48 min Scan# 401
Delta R.T. -0.01 min
Lab File: VF059323.D
Acq: 26 Jun 2018 18:09

Tgt Ion: 43 Resp: 29902
Ion Ratio Lower Upper
43 100
72 17.4 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0



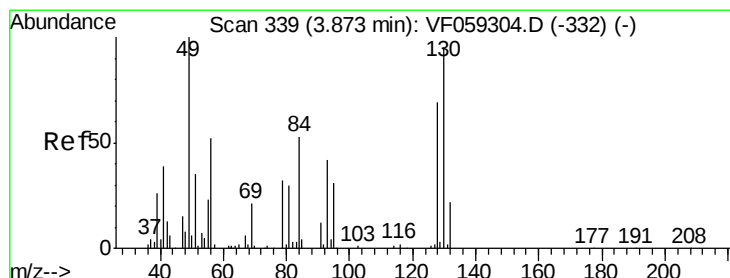
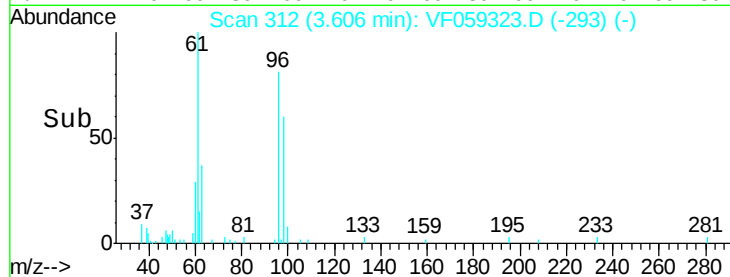
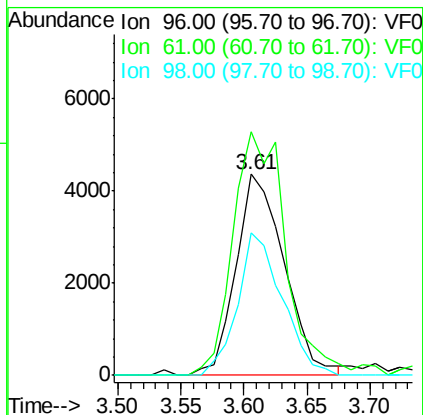
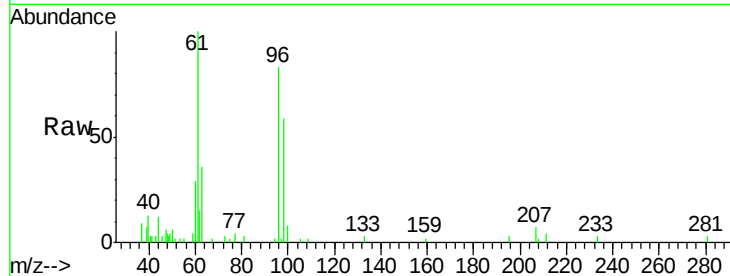


#27

cis-1,2-Dichloroethene
 Concen: 4.865 ug/l
 RT: 3.61 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: VF059323.D
 Acq: 26 Jun 2018 18:09

Instrument :
 MSVOA_F
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 WP021SB485-29-31-180619RE

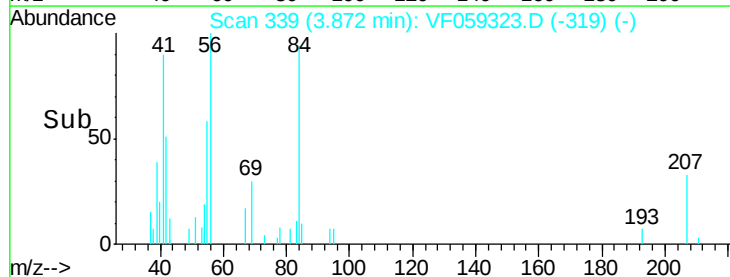
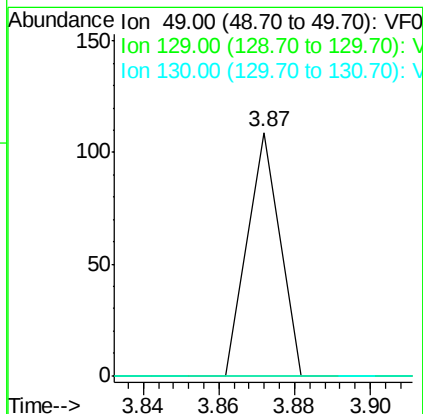
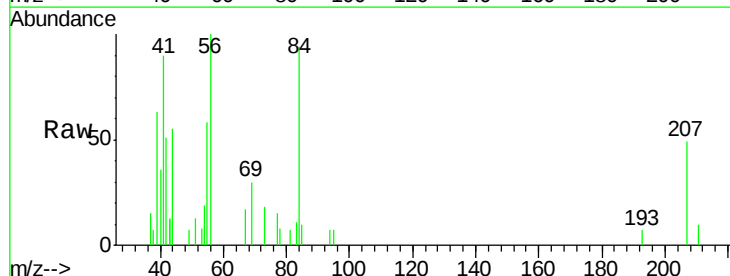
Tot Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	121.1	0.0	355.4
98	98	71.0	0.0	131.0

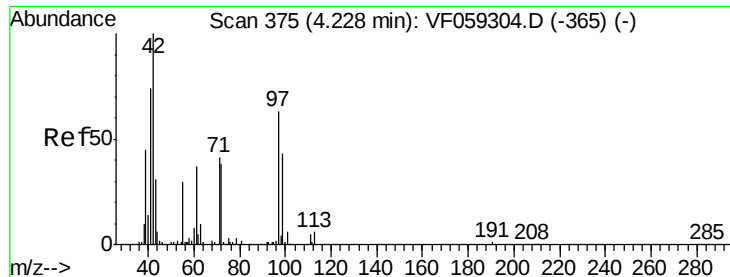


#28

Bromochloromethane
 Concen: Below Cal
 RT: 3.87 min Scan# 339
 Delta R.T. -0.00 min
 Lab File: VF059323.D
 Acq: 26 Jun 2018 18:09

Tgt Ion	Ion	Ratio	Lower	Upper
49	49	100		
129	129	0.0	0.0	6.4
130	130	0.0	75.1	112.7#





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.18 min Scan# 370

Delta R.T. -0.05 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-29-31-180619RE

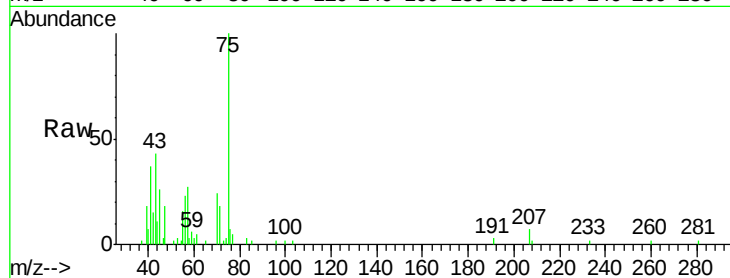
Tot Ion: 42 Resp: 2263

Ion Ratio Lower Upper

42 100

72 0.0 30.5 45.7#

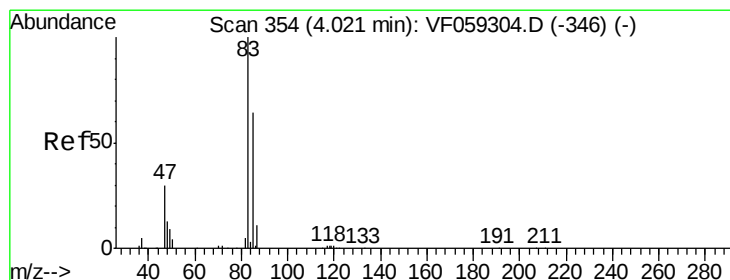
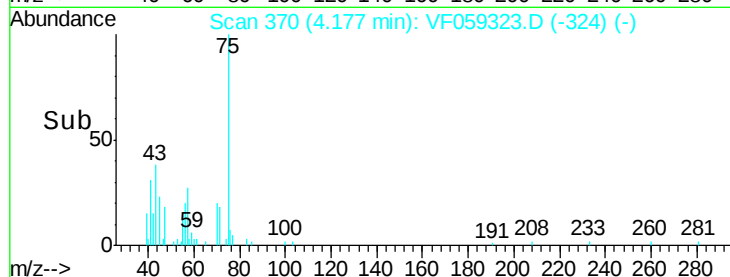
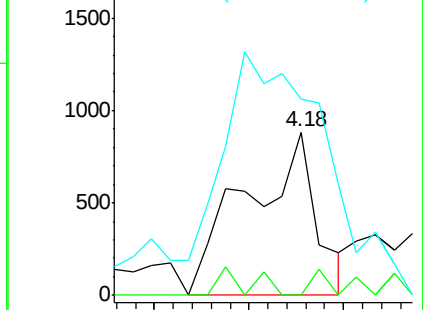
71 0.0 32.5 48.7#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 1.224 ug/l

RT: 4.01 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF059323.D

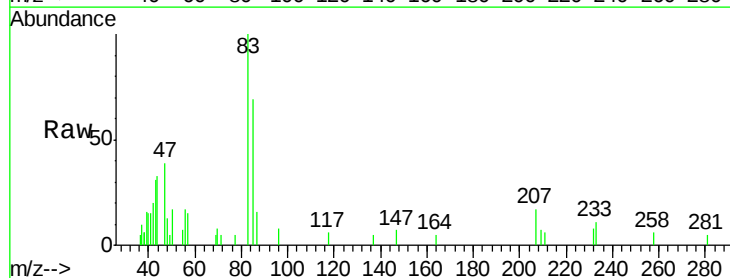
Acq: 26 Jun 2018 18:09

Tgt Ion: 83 Resp: 6735

Ion Ratio Lower Upper

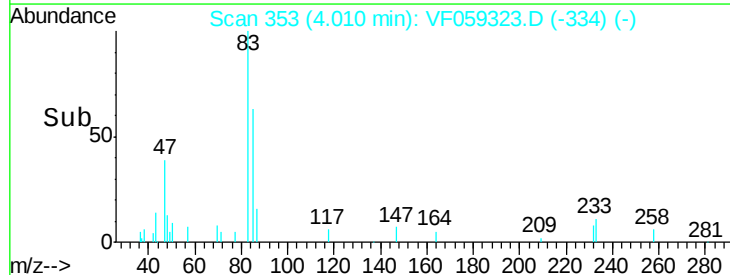
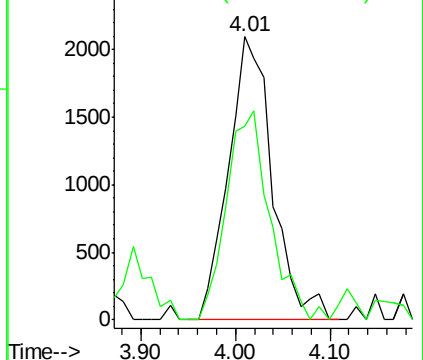
83 100

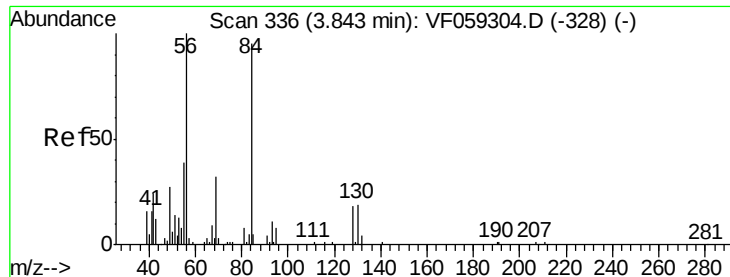
85 68.5 51.3 76.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

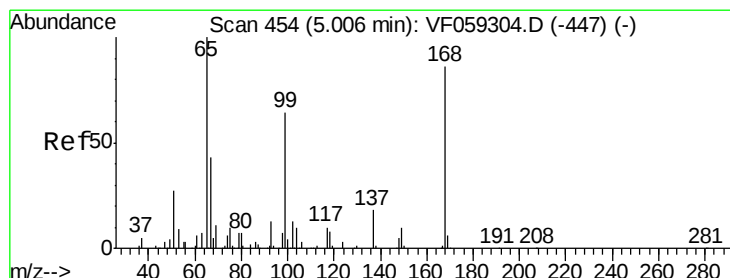
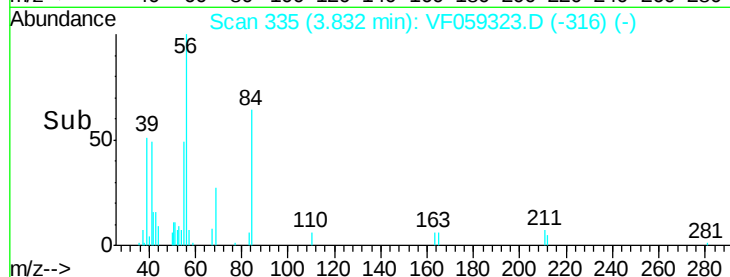
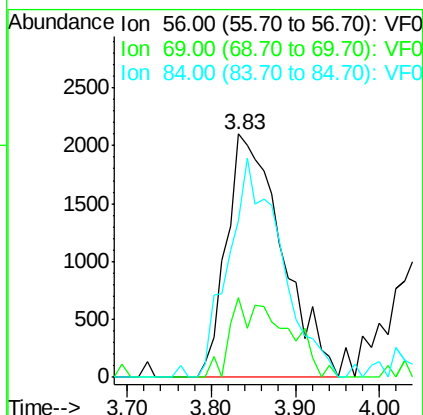
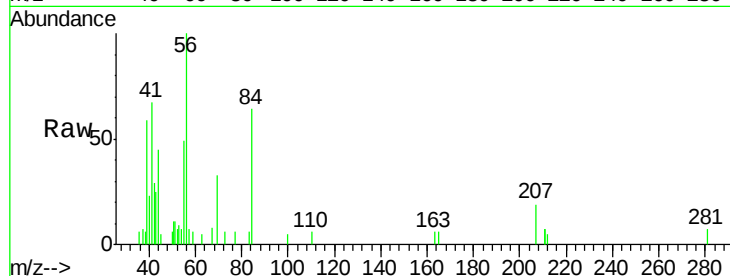




#31
Cyclohexane
Concen: 3.878 ug/l
RT: 3.83 min Scan# 335
Delta R.T. -0.01 min
Lab File: VF059323.D
Acq: 26 Jun 2018 18:09

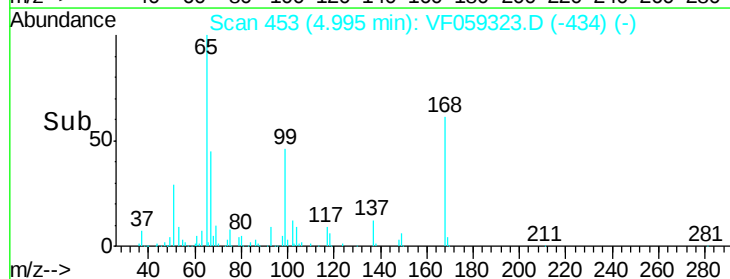
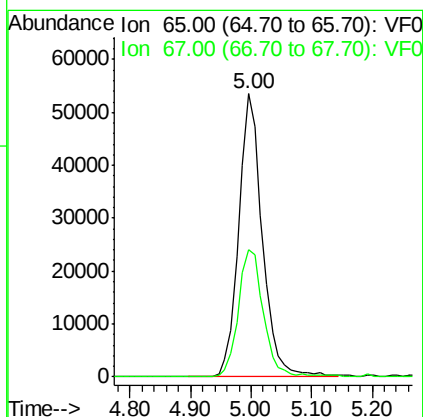
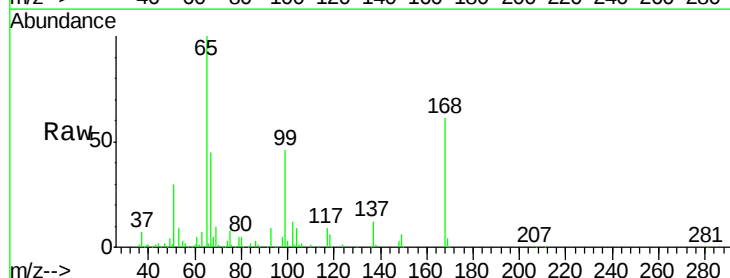
Instrument :
MSVOA_F
ClientSampleId :
WP021SB485-29-31-180619RE

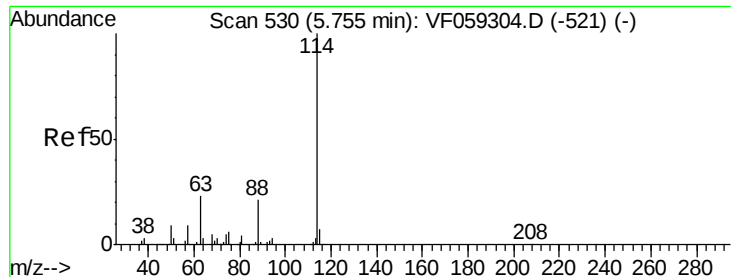
Tot Ion: 56 Resp: 9657
Ion Ratio Lower Upper
56 100
69 32.7 25.8 38.8
84 64.4 75.6 113.4#



#33
1,2-Dichloroethane-d4
Concen: 44.861 ug/l
RT: 5.00 min Scan# 453
Delta R.T. -0.01 min
Lab File: VF059323.D
Acq: 26 Jun 2018 18:09

Tgt Ion: 65 Resp: 144993
Ion Ratio Lower Upper
65 100
67 45.0 0.0 96.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-29-31-180619RE

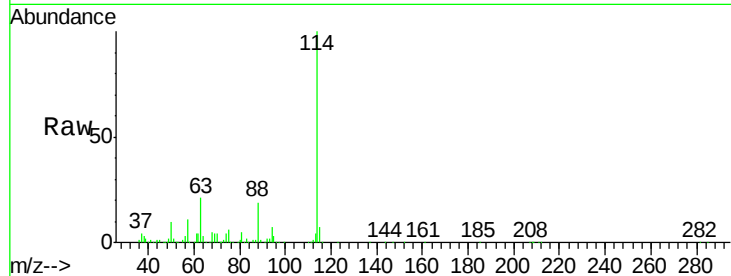
Tot Ion:114 Resp: 421584

Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.8

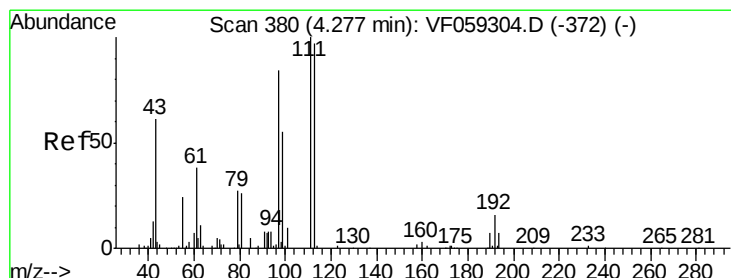
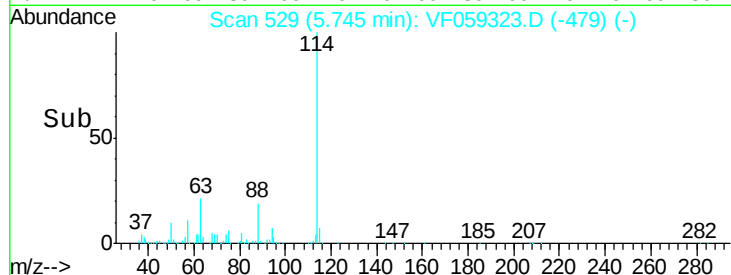
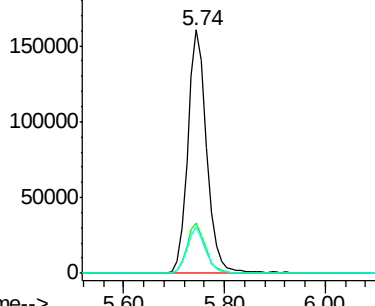
88 19.3 0.0 41.2



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: 44.268 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

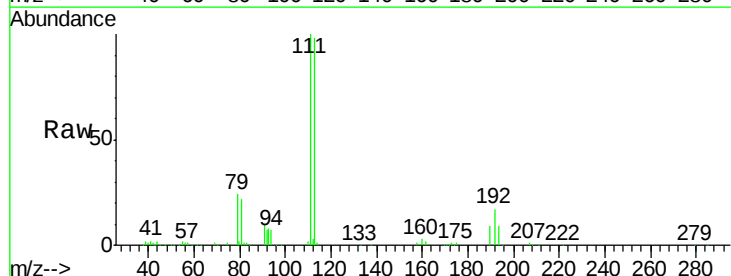
Tgt Ion:113 Resp: 136363

Ion Ratio Lower Upper

113 100

111 102.5 82.1 123.1

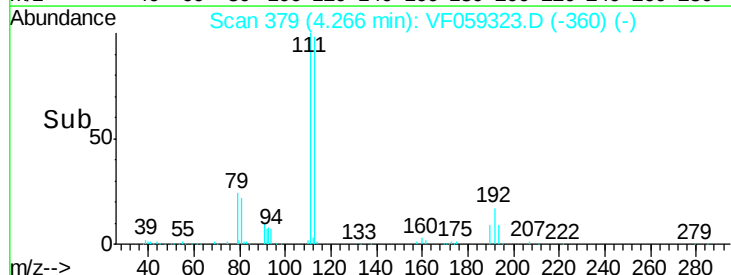
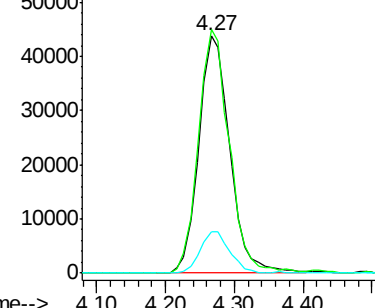
192 17.3 13.0 19.6

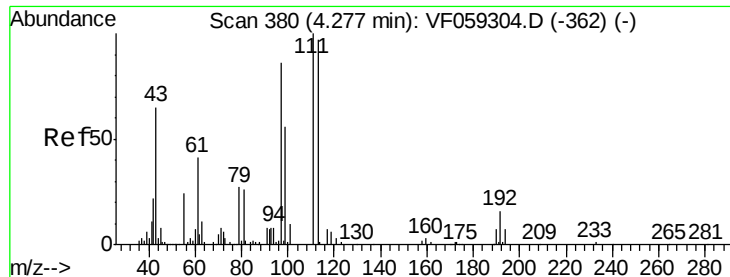


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.31 min Scan# 383

Delta R.T. 0.03 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-29-31-180619RE

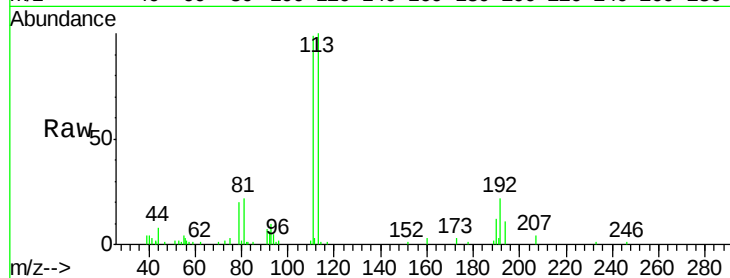
Tot Ion: 43 Resp: 395

Ion Ratio Lower Upper

43 100

61 0.0 50.1 75.1#

70 48.7 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

600

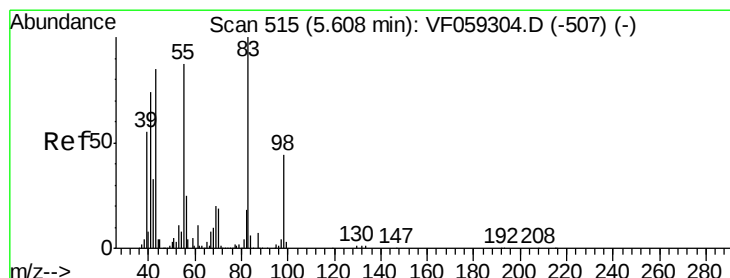
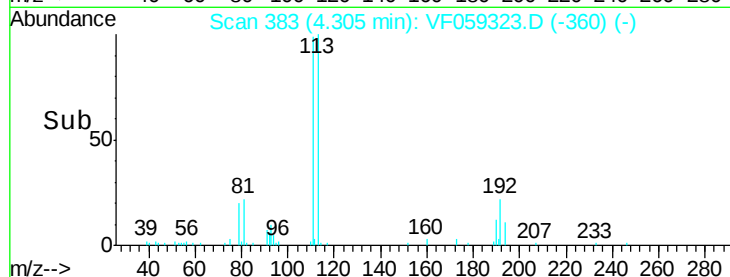
400

200

0

4.28 4.30 4.32 4.34

Time-->



#39

Methylcyclohexane

Concen: 42.941 ug/l

RT: 5.61 min Scan# 515

Delta R.T. -0.00 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

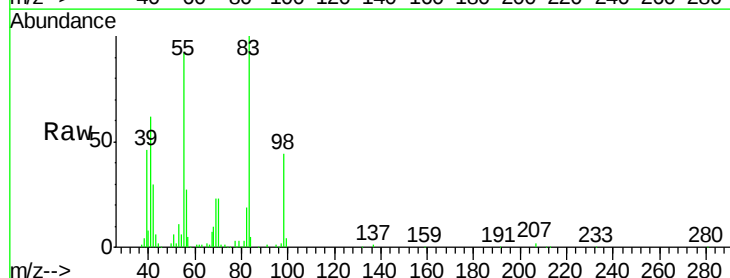
Tgt Ion: 83 Resp: 140140

Ion Ratio Lower Upper

83 100

55 91.6 69.2 103.8

98 43.9 35.0 52.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

50000

40000

30000

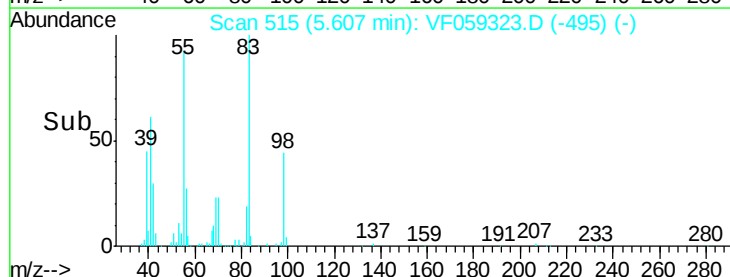
20000

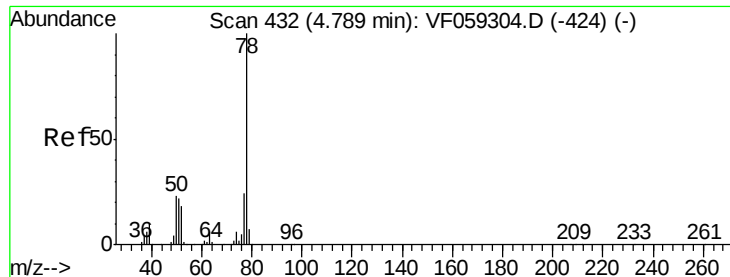
10000

0

5.50 5.60 5.70

Time-->





#40

Benzene

Concen: 1.760 ug/l

RT: 4.79 min Scan# 432

Delta R.T. -0.00 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

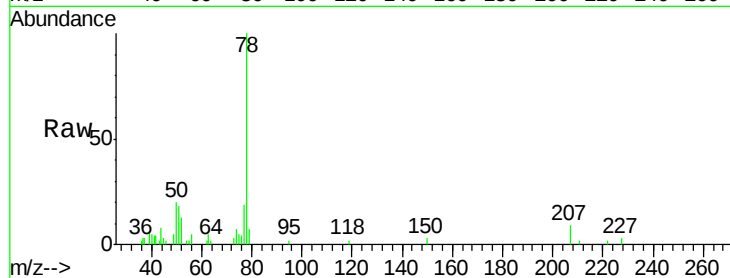
WP021SB485-29-31-180619RE

Tot Ion: 78 Resp: 14373

Ion Ratio Lower Upper

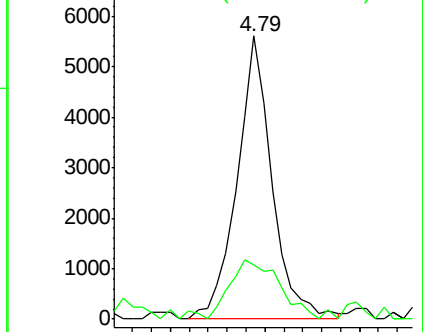
78 100

77 19.2 19.6 29.4#

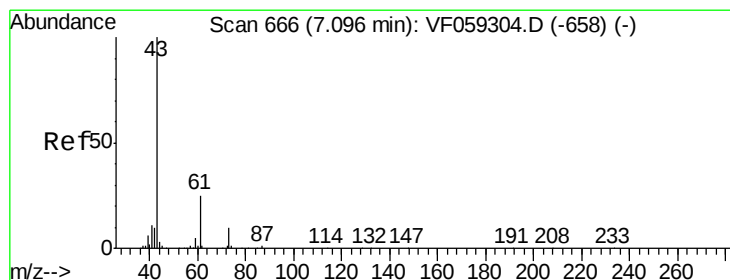
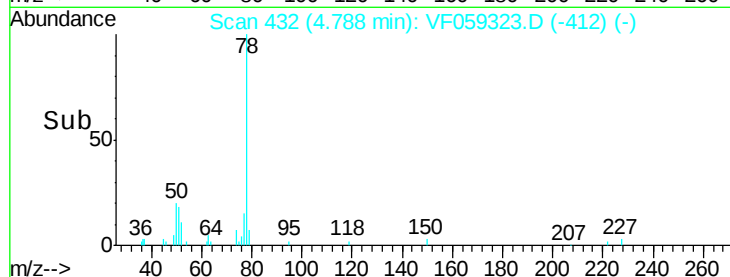


Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->



#43

Isopropyl Acetate

Concen: 4.315 ug/l

RT: 7.16 min Scan# 673

Delta R.T. 0.07 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

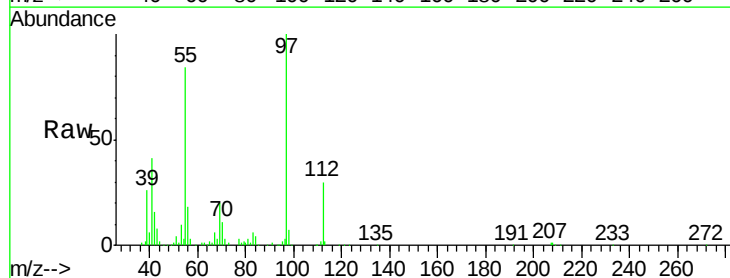
Tgt Ion: 43 Resp: 13236

Ion Ratio Lower Upper

43 100

61 0.0 19.7 29.5#

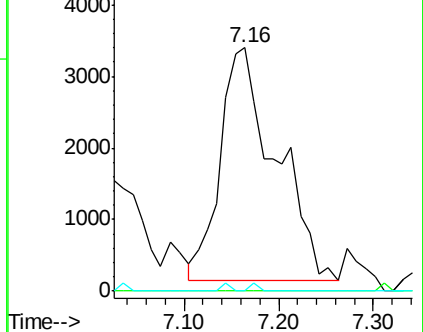
87 0.0 0.5 0.7#



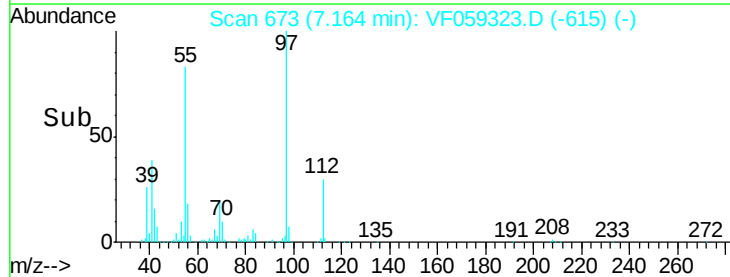
Abundance Ion 43.00 (42.70 to 43.70): VF0

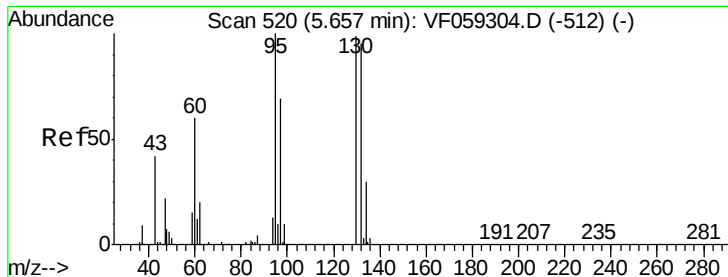
Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



Time-->





#44

Trichloroethene

Concen: 1.561 ug/l

RT: 5.65 min Scan# 519

Delta R.T. -0.01 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

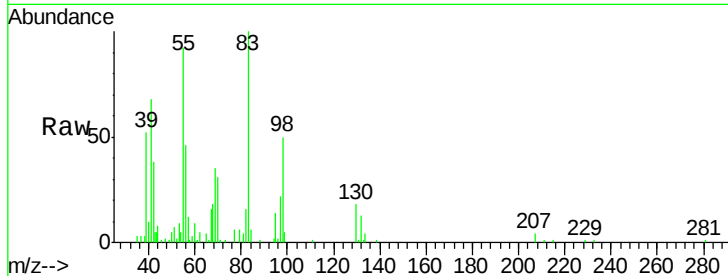
WP021SB485-29-31-180619RE

Tot Ion:130 Resp: 4373

Ion Ratio Lower Upper

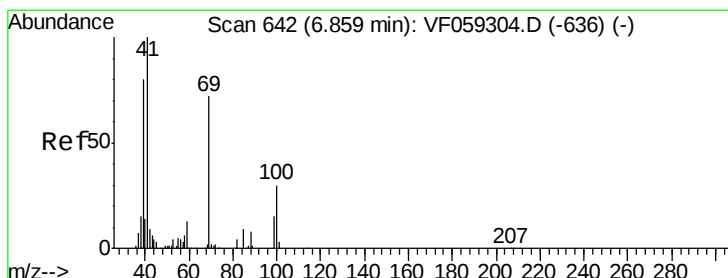
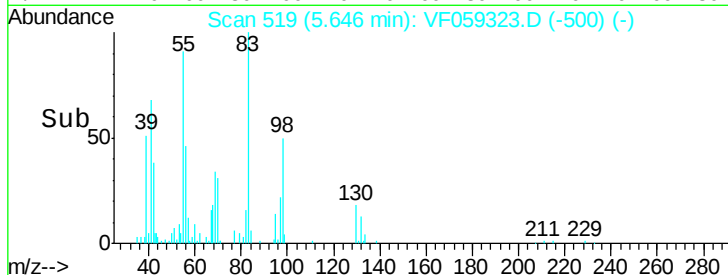
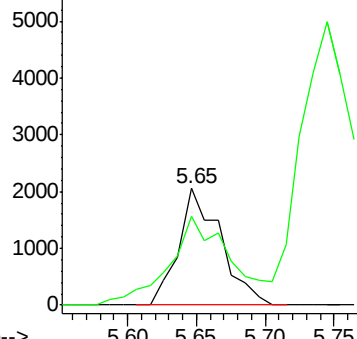
130 100

95 76.7 0.0 202.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0



#48

Methyl methacrylate

Concen: 1.327 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.02 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

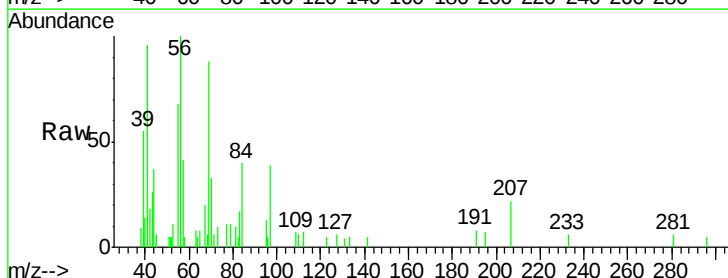
Tgt Ion: 41 Resp: 2728

Ion Ratio Lower Upper

41 100

69 91.6 57.3 85.9#

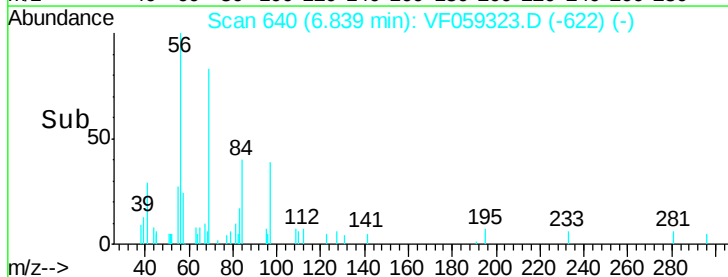
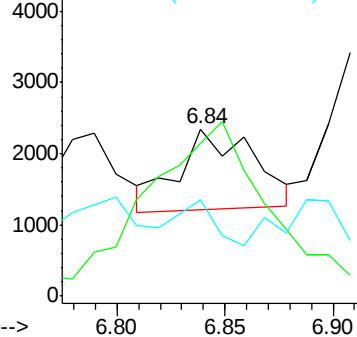
39 57.3 64.4 96.6#

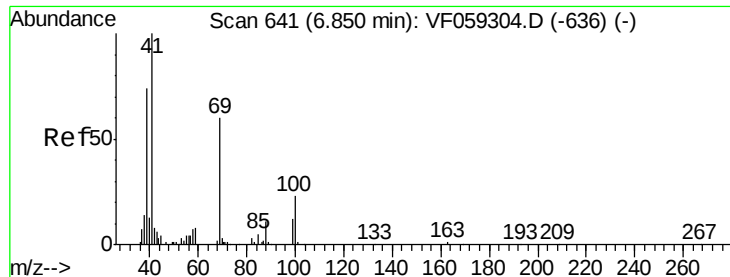


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.70 min Scan# 626

Delta R.T. -0.15 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-29-31-180619RE

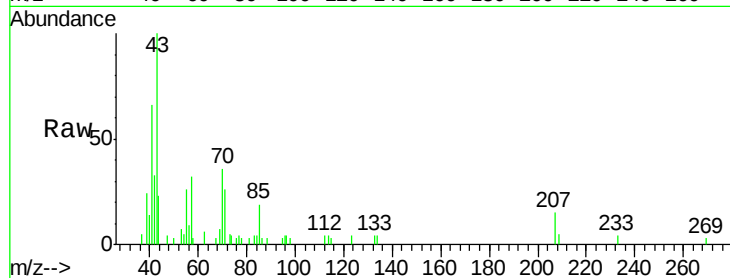
Tot Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 3038.1 50.6 75.8#

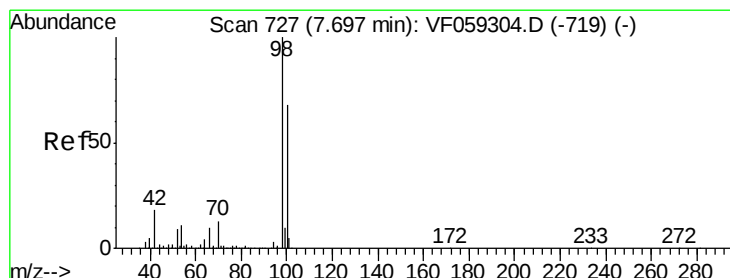
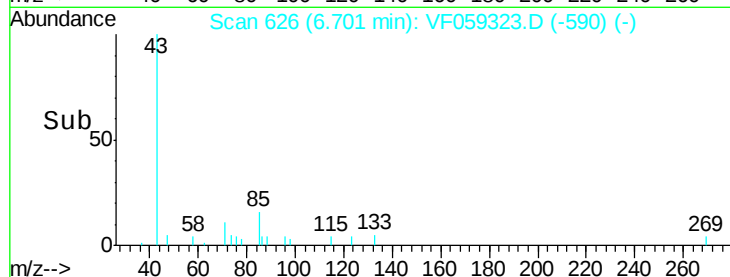
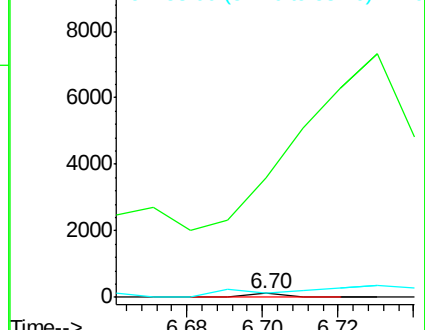
58 105.9 46.6 69.8#



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: 41.063 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059323.D

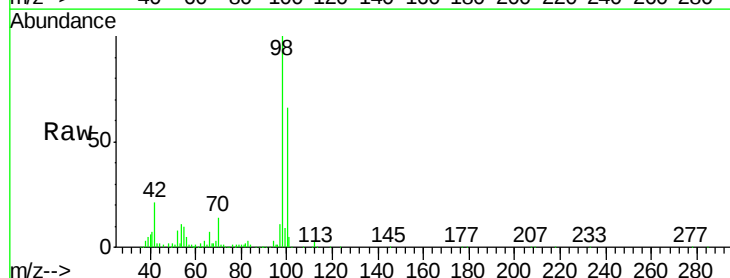
Acq: 26 Jun 2018 18:09

Tgt Ion: 98 Resp: 313178

Ion Ratio Lower Upper

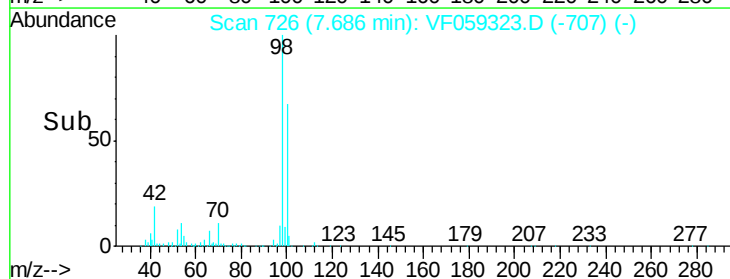
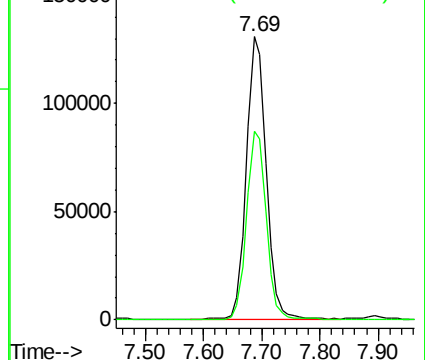
98 100

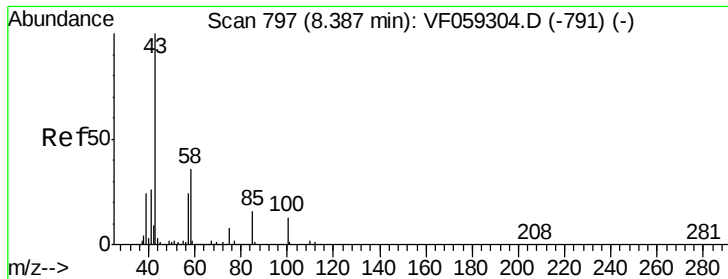
100 66.5 54.6 82.0



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: 30.850 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.02 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

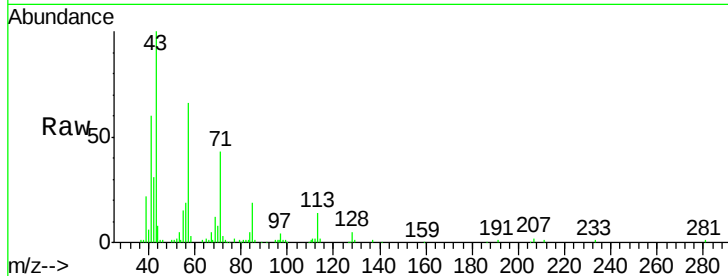
WP021SB485-29-31-180619RE

Tot Ion: 43 Resp: 70111

Ion Ratio Lower Upper

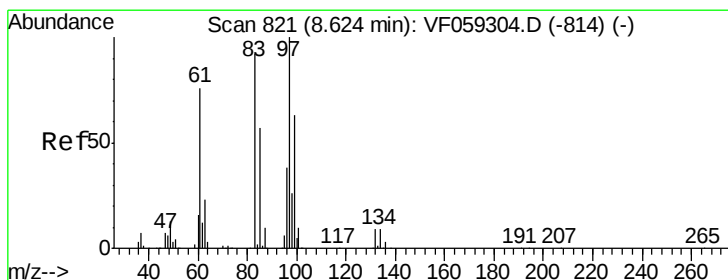
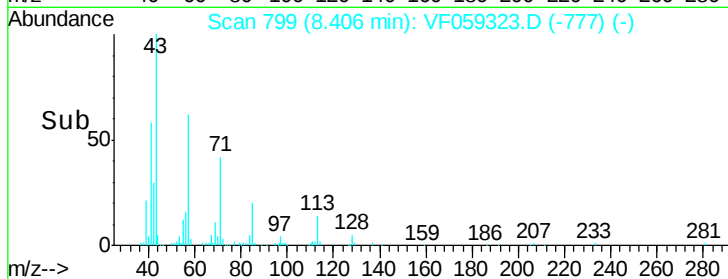
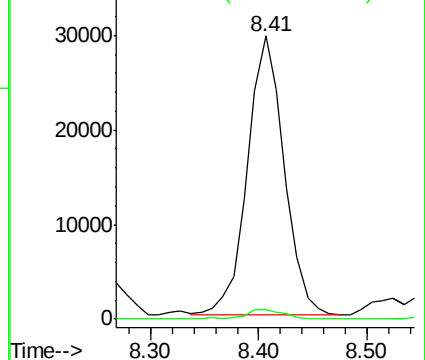
43 100

58 3.4 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: 8.931 ug/l

RT: 8.52 min Scan# 811

Delta R.T. -0.10 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Tgt Ion: 97 Resp: 21187

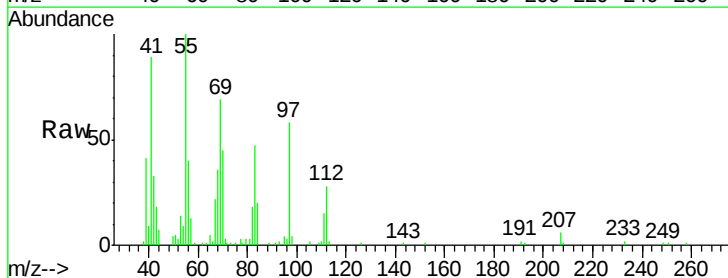
Ion Ratio Lower Upper

97 100

83 81.5 73.8 110.8

85 0.0 45.5 68.3#

99 0.0 50.7 76.1#

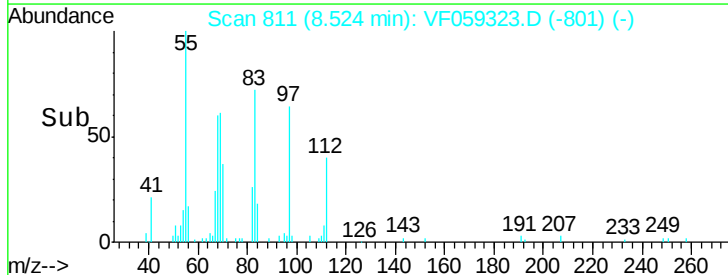
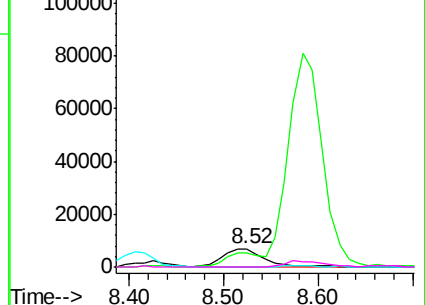


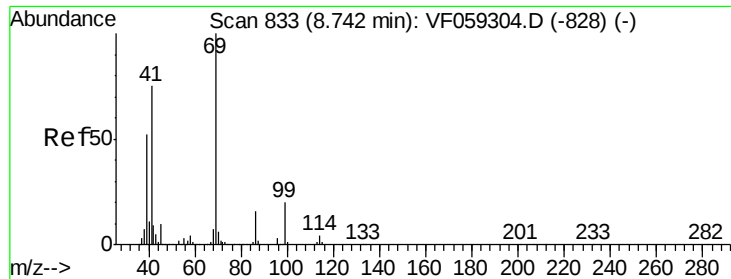
Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 65.422 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-29-31-180619RE

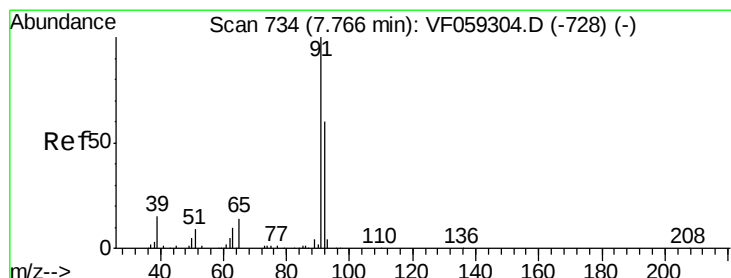
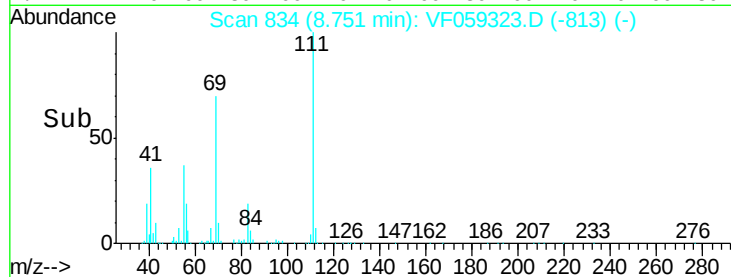
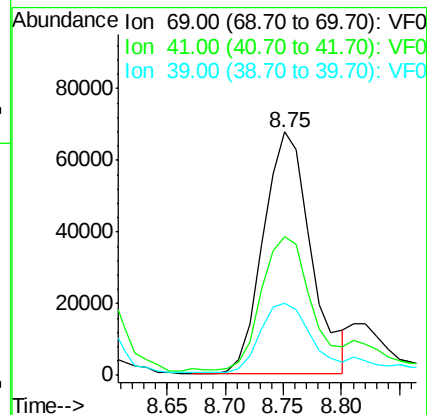
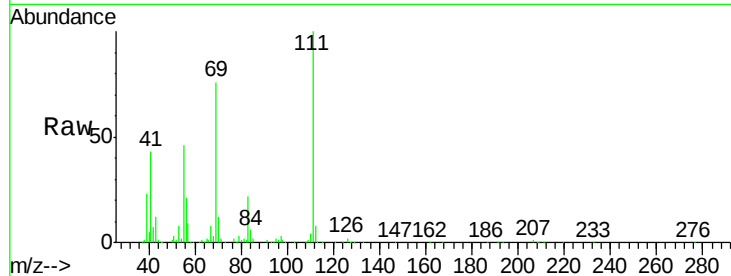
Tot Ion: 69 Resp: 192266

Ion Ratio Lower Upper

69 100

41 56.9 60.3 90.5#

39 29.8 42.2 63.4#



#58

2-Chloroethyl Vinyl ether

Concen: 5.345 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059323.D

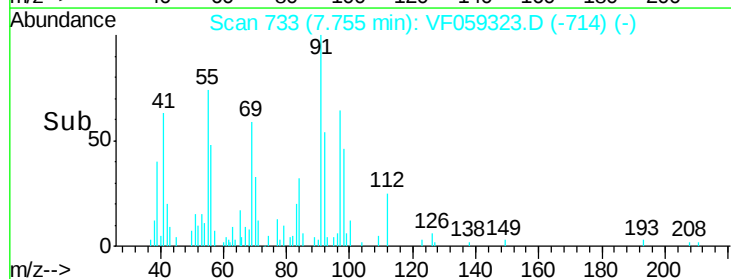
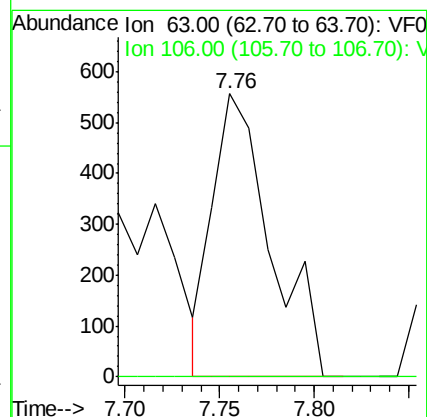
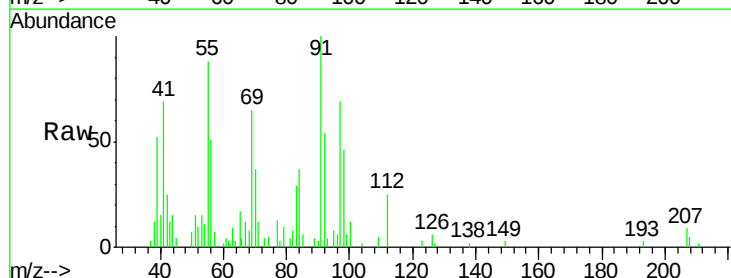
Acq: 26 Jun 2018 18:09

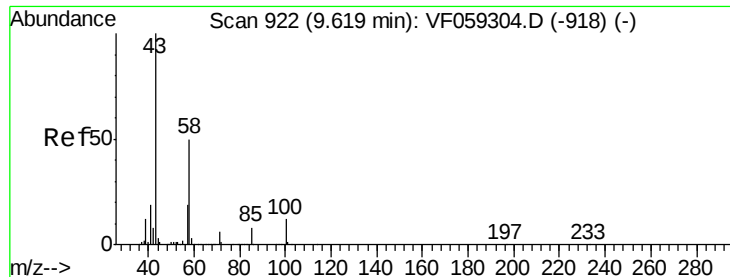
Tgt Ion: 63 Resp: 1178

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

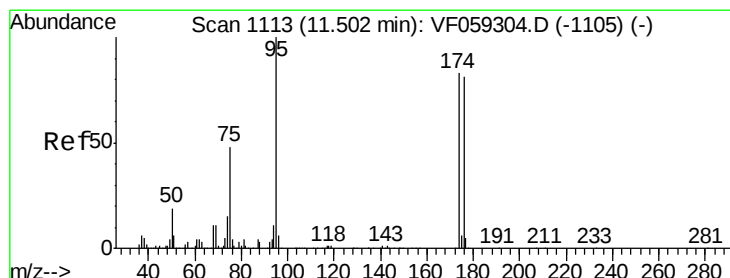
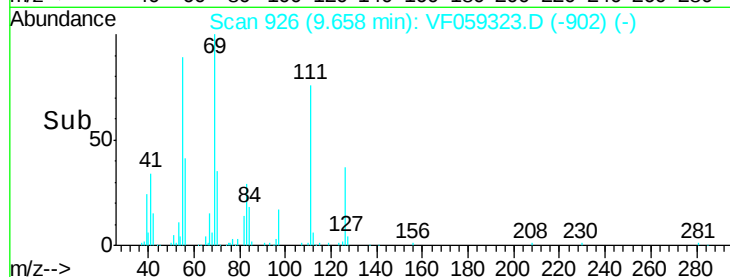
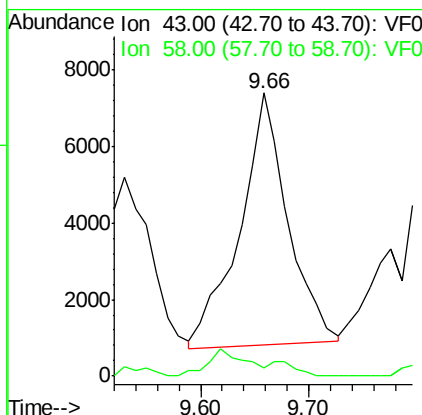
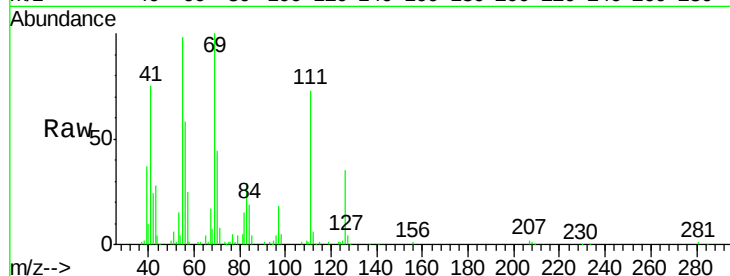




#59
2-Hexanone
Concen: Below Cal
RT: 9.66 min Scan# 926
Delta R.T. 0.04 min
Lab File: VF059323.D
Acq: 26 Jun 2018 18:09

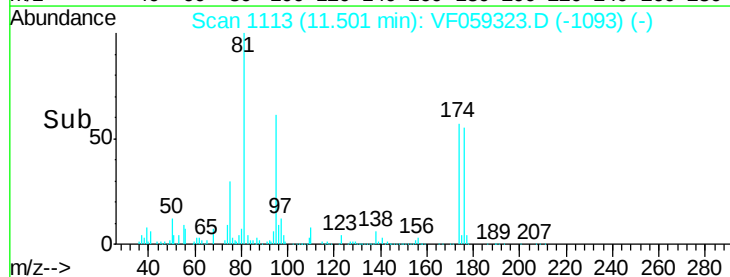
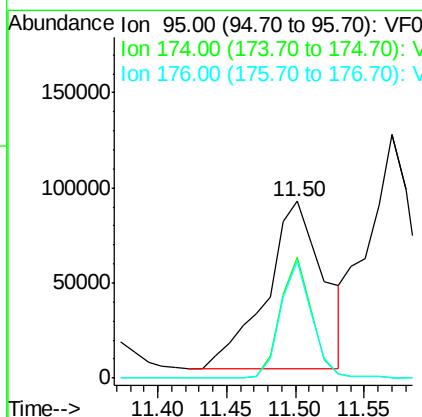
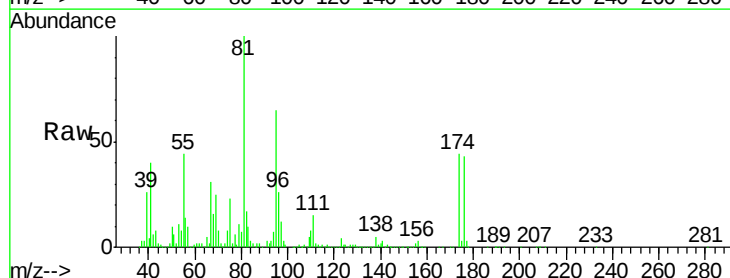
Instrument :
MSVOA_F
ClientSampleId :
WP021SB485-29-31-180619RE

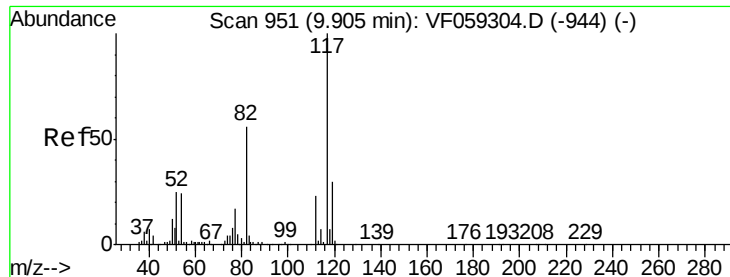
Tot Ion: 43 Resp: 20356
Ion Ratio Lower Upper
43 100
58 2.8 23.3 69.9#



#62
4-Bromofluorobenzene
Concen: 58.829 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059323.D
Acq: 26 Jun 2018 18:09

Tgt Ion: 95 Resp: 253093
Ion Ratio Lower Upper
95 100
174 68.0 0.0 165.2
176 66.0 0.0 161.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-29-31-180619RE

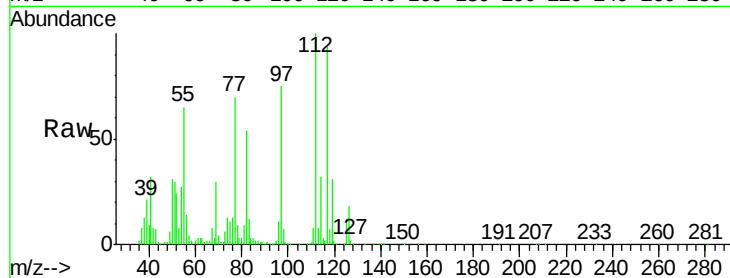
Tot Ion:117 Resp: 319247

Ion Ratio Lower Upper

117 100

82 57.3 44.6 66.8

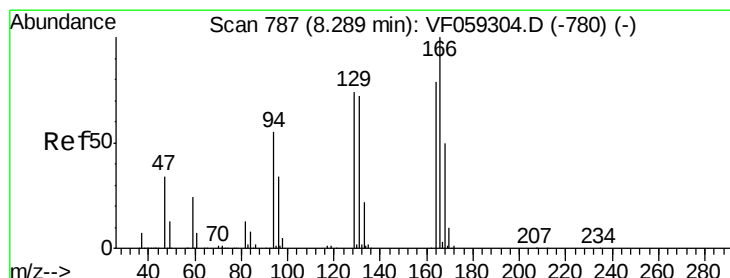
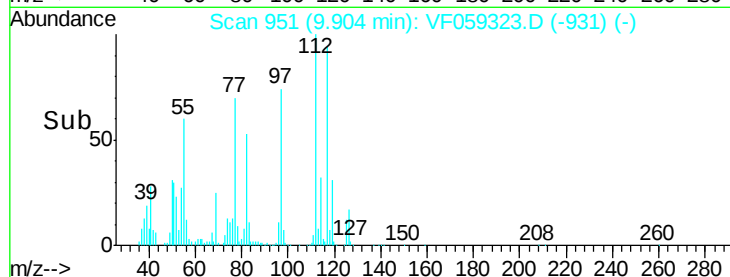
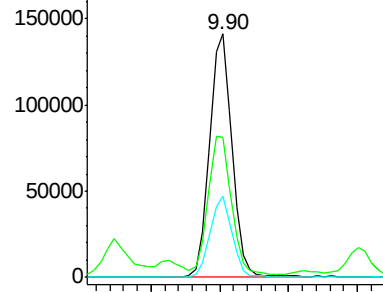
119 33.2 24.1 36.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 4.781 ug/l

RT: 8.29 min Scan# 787

Delta R.T. -0.00 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Tgt Ion:164 Resp: 9900

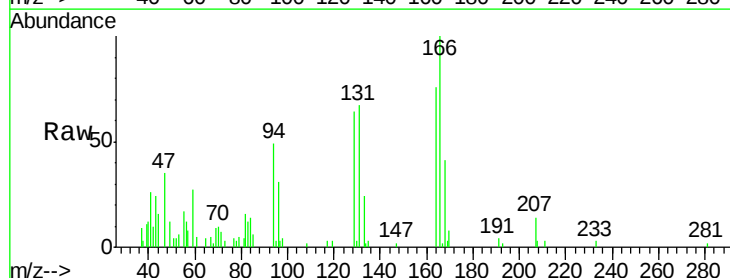
Ion Ratio Lower Upper

164 100

166 131.7 101.1 151.7

129 84.4 75.0 112.4

131 88.0 73.3 109.9

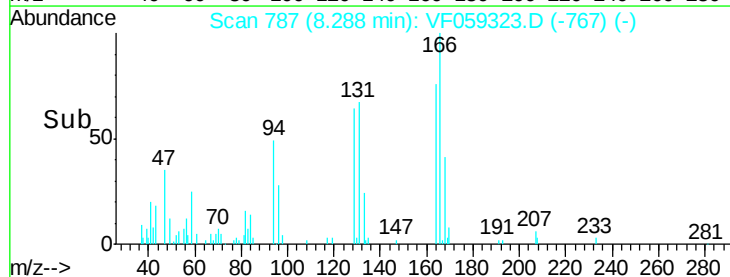
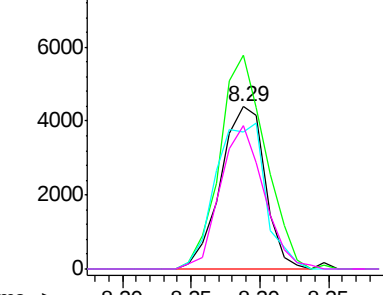


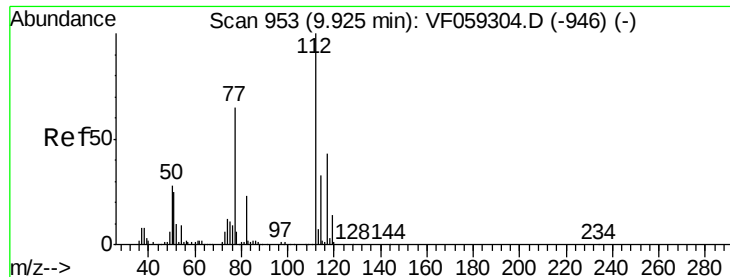
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 142.890 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

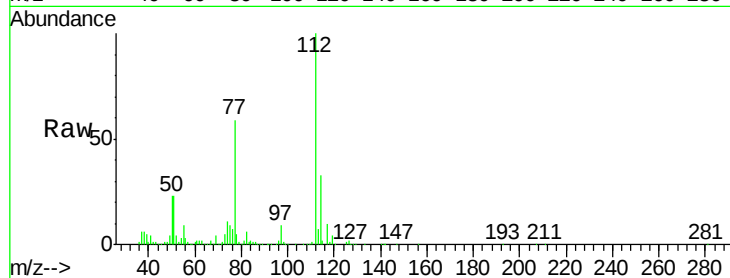
WP021SB485-29-31-180619RE

Tot Ion:112 Resp: 845295

Ion Ratio Lower Upper

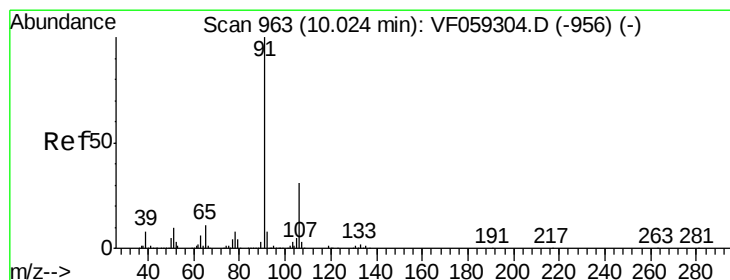
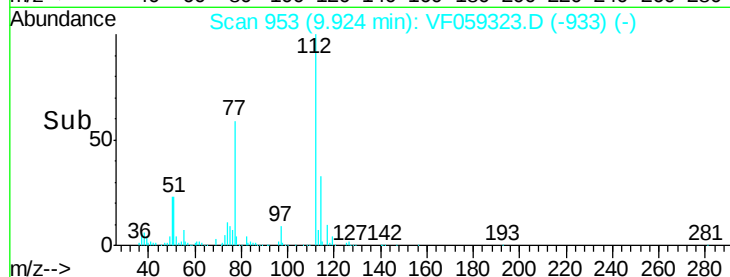
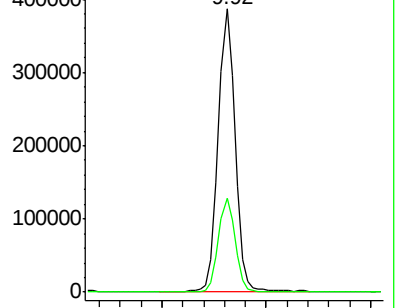
112 100

114 33.2 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#67

Ethyl Benzene

Concen: 1.217 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059323.D

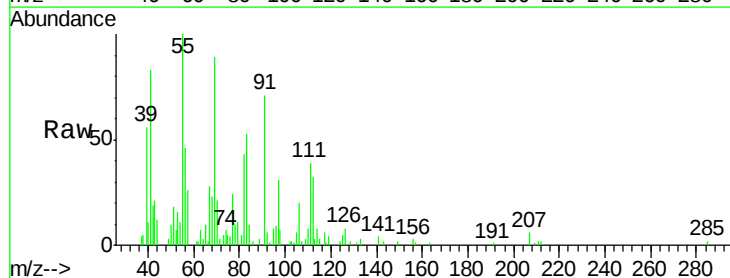
Acq: 26 Jun 2018 18:09

Tgt Ion: 91 Resp: 12211

Ion Ratio Lower Upper

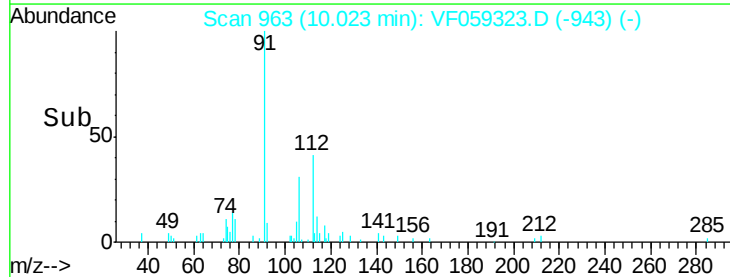
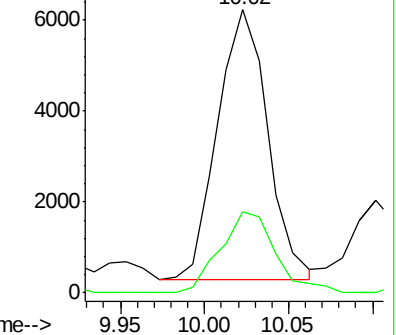
91 100

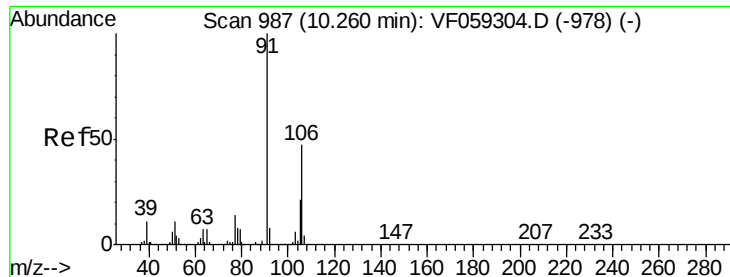
106 28.7 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 1.293 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

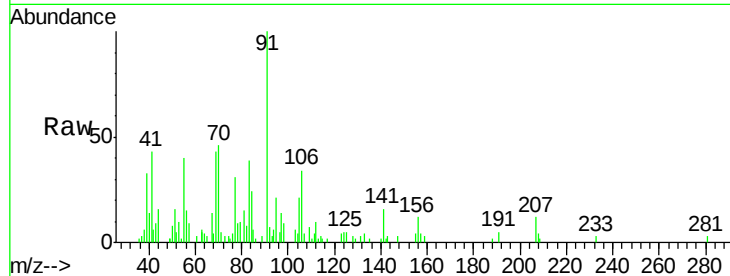
WP021SB485-29-31-180619RE

Tot Ion:106 Resp: 4620

Ion Ratio Lower Upper

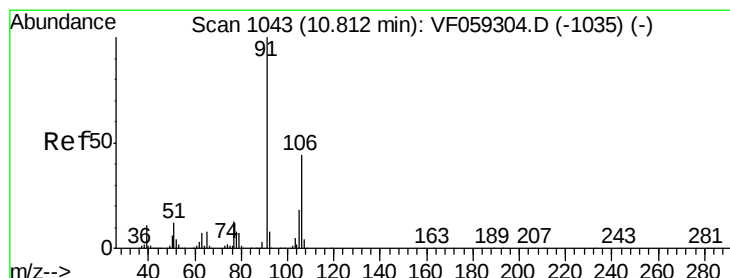
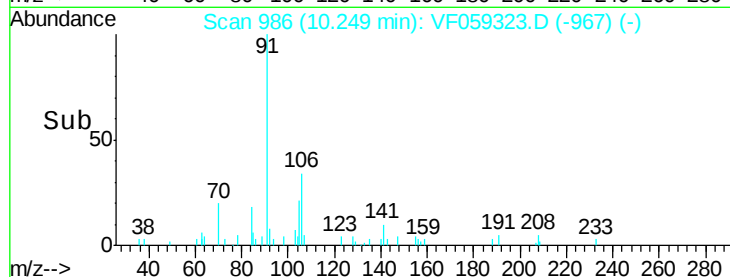
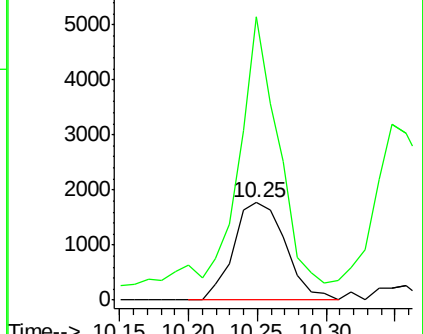
106 100

91 290.7 170.8 256.2#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 3.698 ug/l

RT: 10.81 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VF059323.D

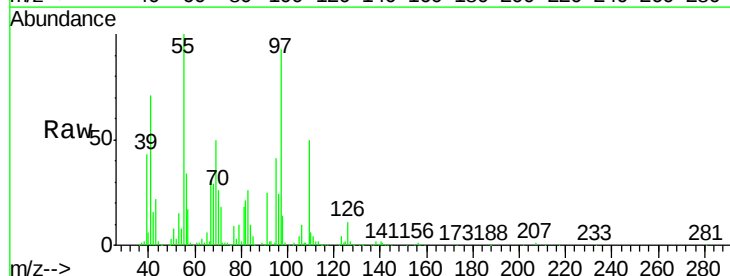
Acq: 26 Jun 2018 18:09

Tgt Ion:106 Resp: 14774

Ion Ratio Lower Upper

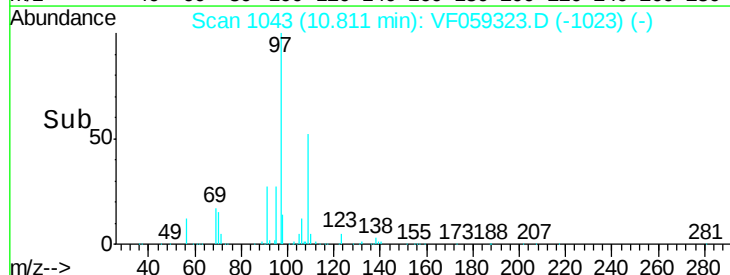
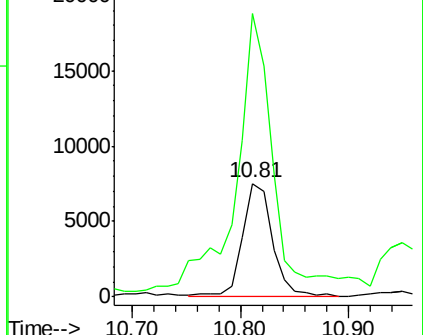
106 100

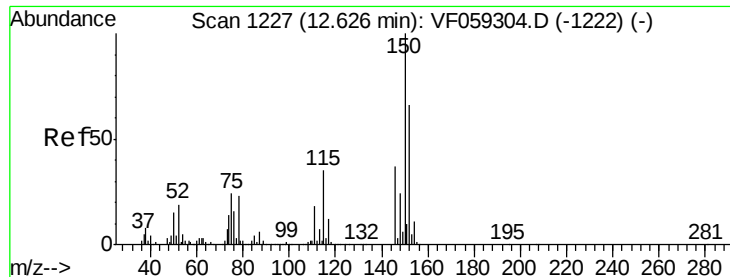
91 249.9 114.6 343.6



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: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-29-31-180619RE

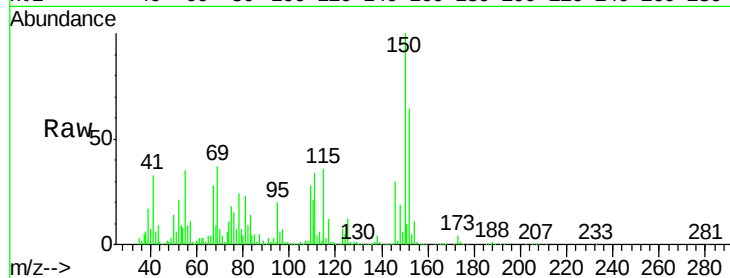
Tot Ion:152 Resp: 156735

Ion Ratio Lower Upper

152 100

115 56.5 27.1 81.3

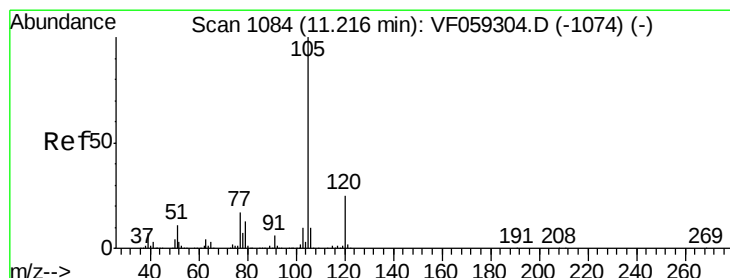
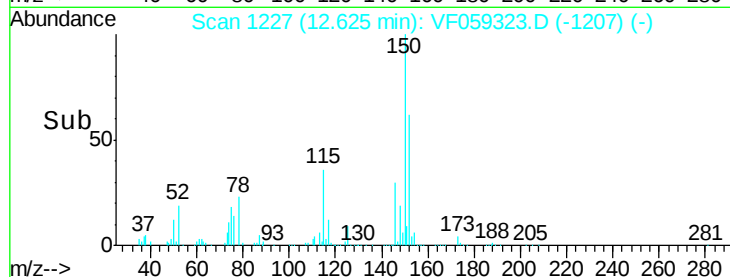
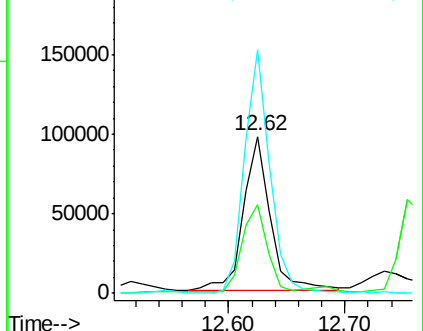
150 155.1 0.0 305.2



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: 8.476 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059323.D

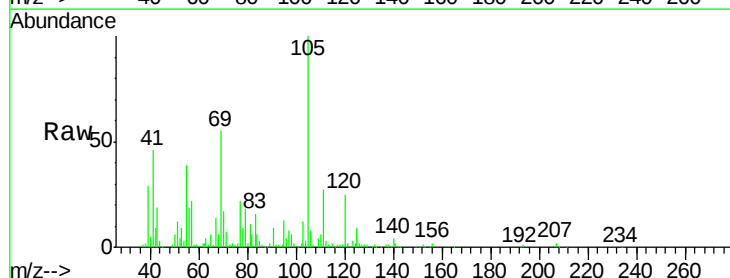
Acq: 26 Jun 2018 18:09

Tgt Ion:105 Resp: 77394

Ion Ratio Lower Upper

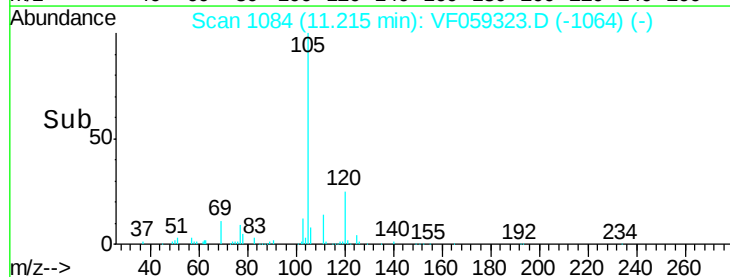
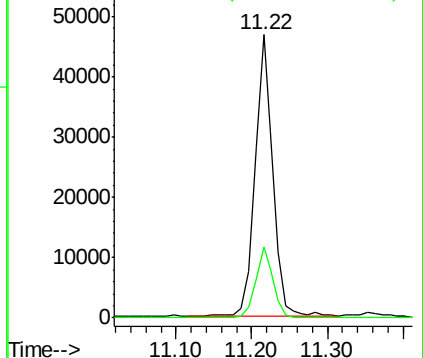
105 100

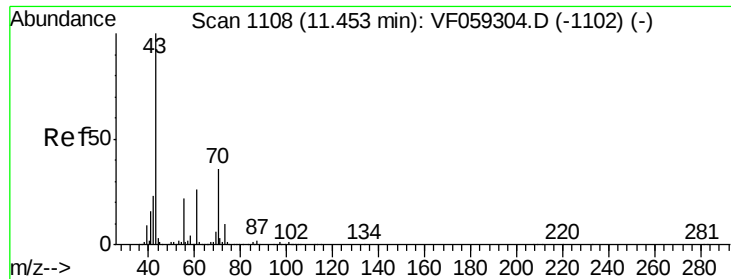
120 24.9 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 15.899 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.03 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-29-31-180619RE

Tot Ion: 43 Resp: 52683

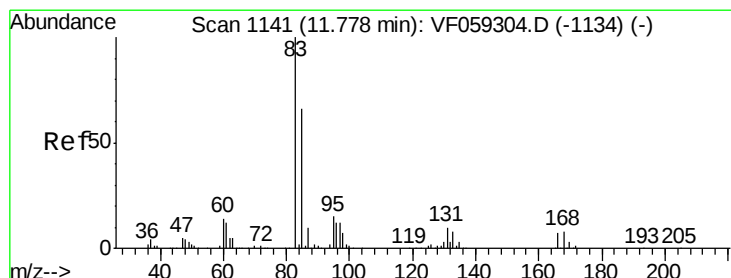
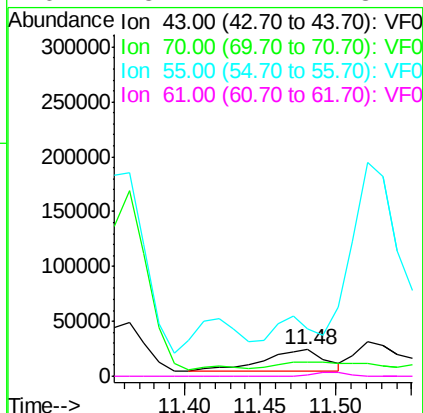
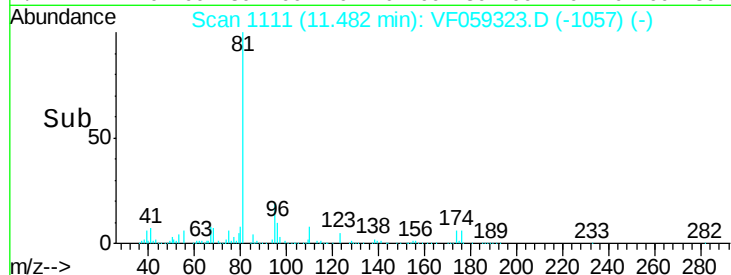
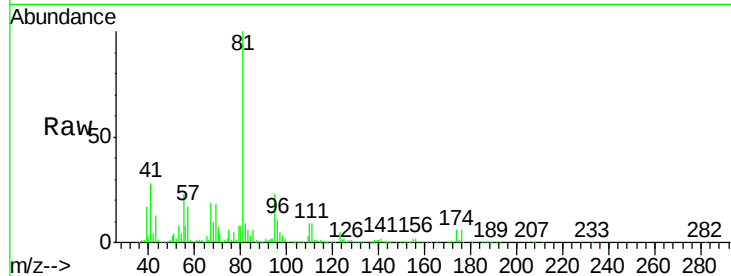
Ion Ratio Lower Upper

43 100

70 52.2 28.8 43.2#

55 180.9 17.4 26.0#

61 5.4 21.1 31.7#



#75

1,1,2,2-Tetrachloroethane

Concen: 47.246 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

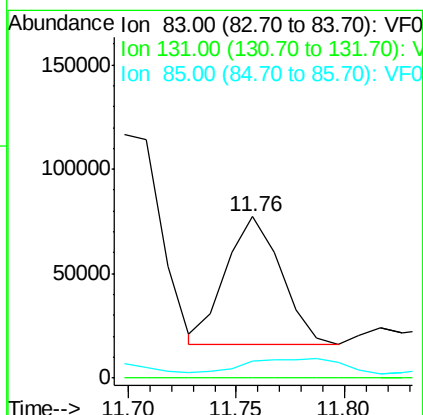
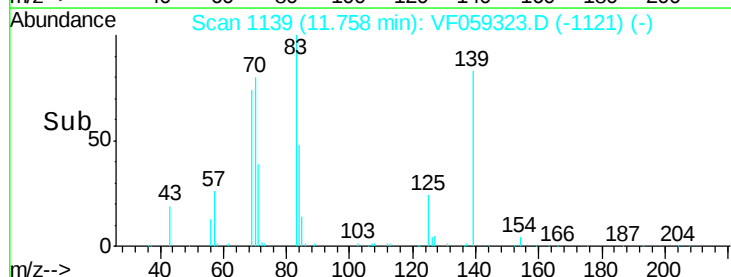
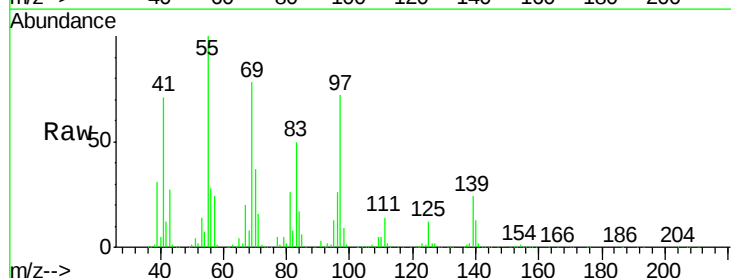
Tgt Ion: 83 Resp: 108952

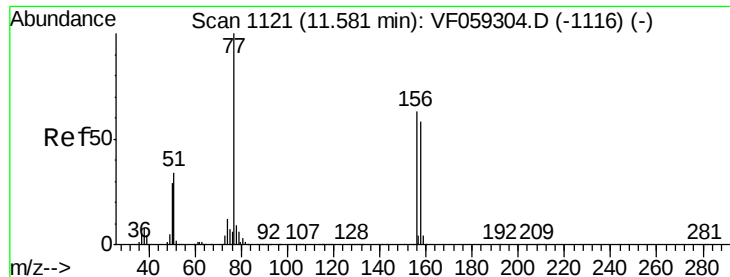
Ion Ratio Lower Upper

83 100

131 0.4 4.9 14.6#

85 10.9 32.8 98.4#





#77

Bromobenzene

Concen: 2.601 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. -0.11 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

WP021SB485-29-31-180619RE

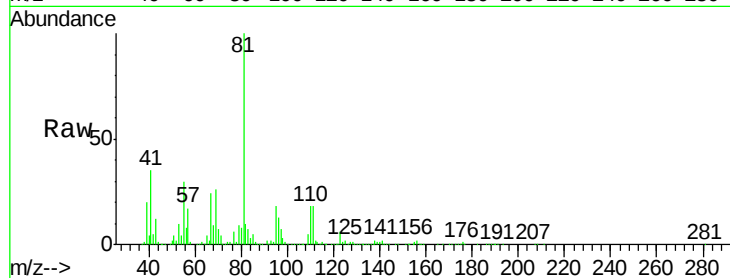
Tot Ion:156 Resp: 6590

Ion Ratio Lower Upper

156 100

77 254.9 79.7 238.9#

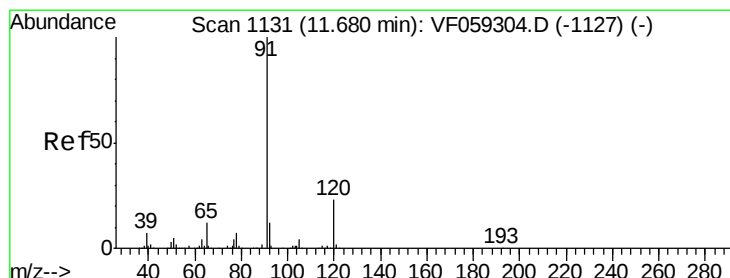
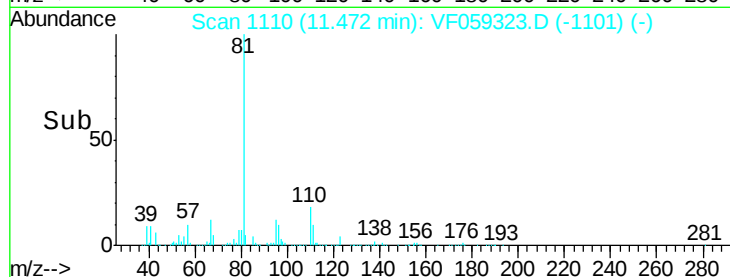
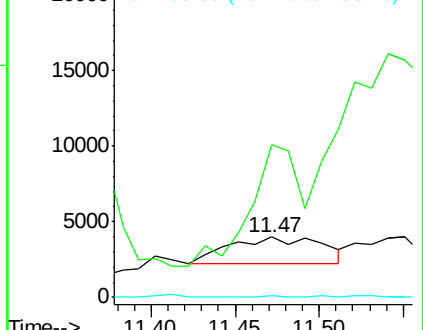
158 3.7 46.2 138.6#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 5.177 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059323.D

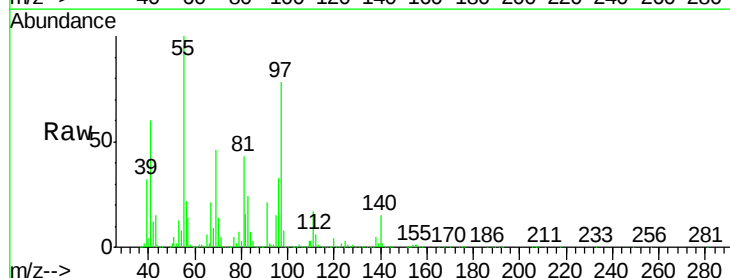
Acq: 26 Jun 2018 18:09

Tgt Ion: 91 Resp: 56770

Ion Ratio Lower Upper

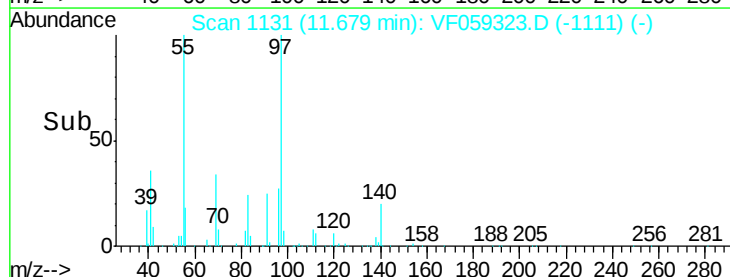
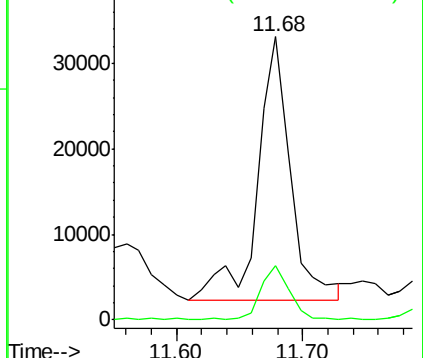
91 100

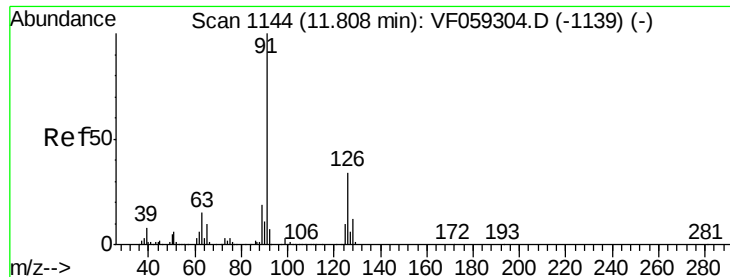
120 19.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.802 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

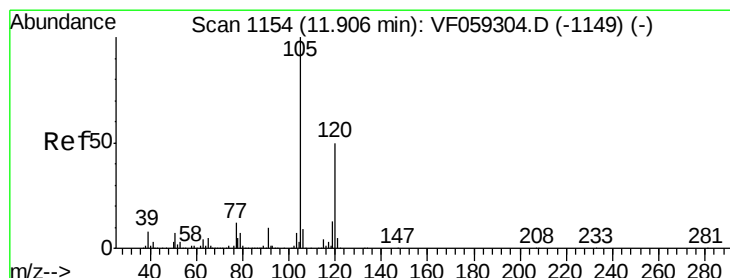
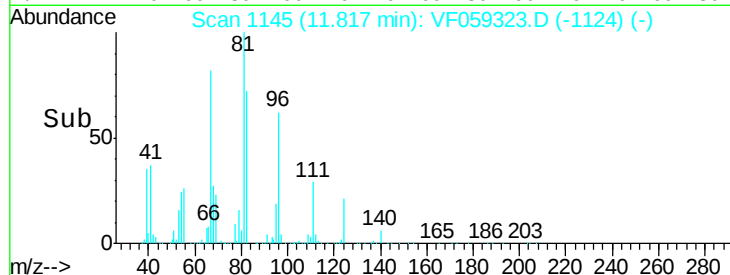
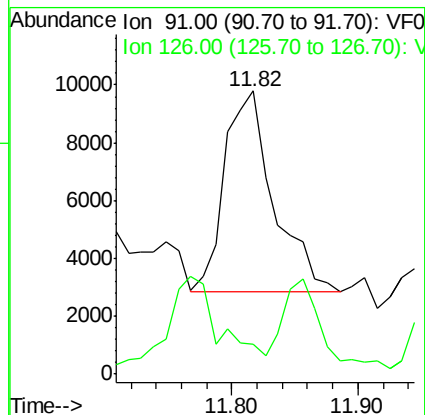
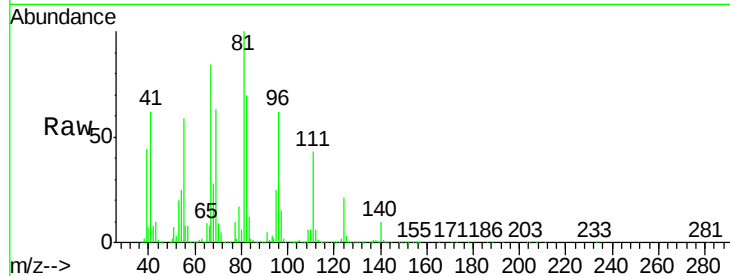
WP021SB485-29-31-180619RE

Tot Ion: 91 Resp: 18771

Ion Ratio Lower Upper

91 100

126 10.5 17.2 51.5#



#80

1,3,5-Trimethylbenzene

Concen: 1.270 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.11 min

Lab File: VF059323.D

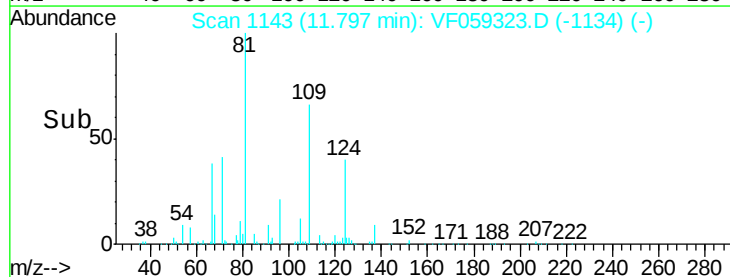
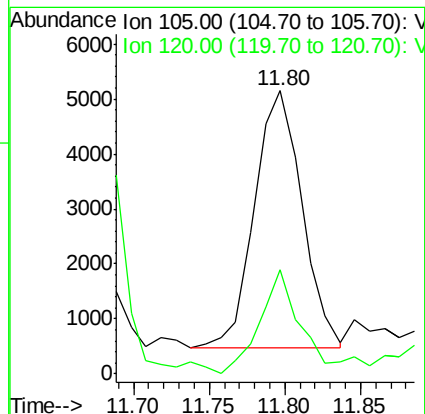
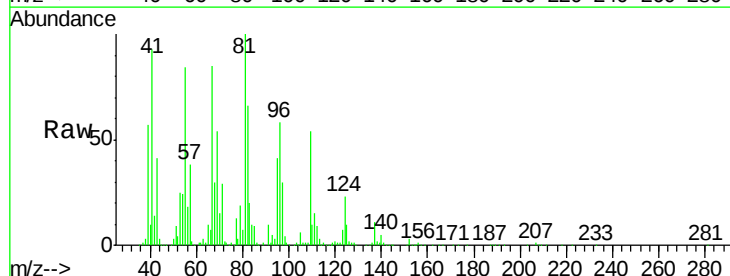
Acq: 26 Jun 2018 18:09

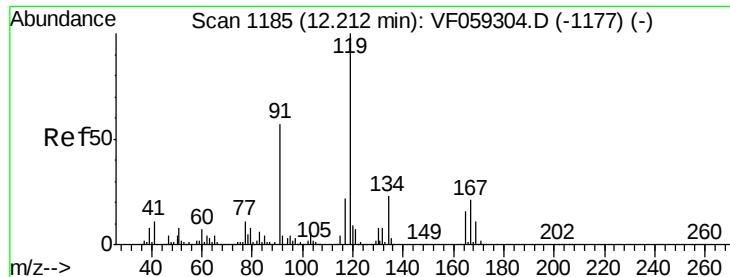
Tgt Ion:105 Resp: 10160

Ion Ratio Lower Upper

105 100

120 36.6 24.9 74.7

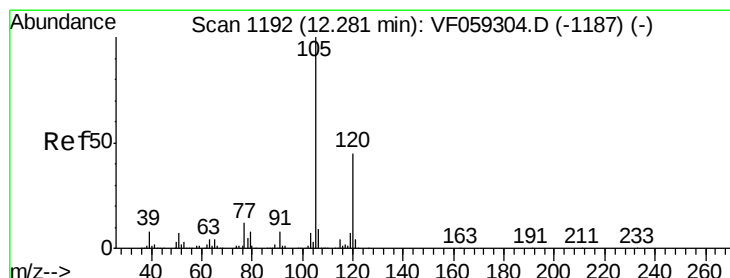
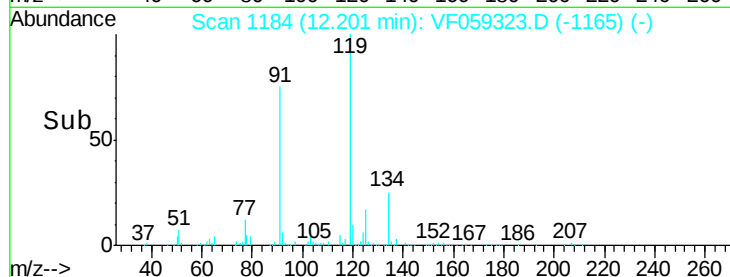
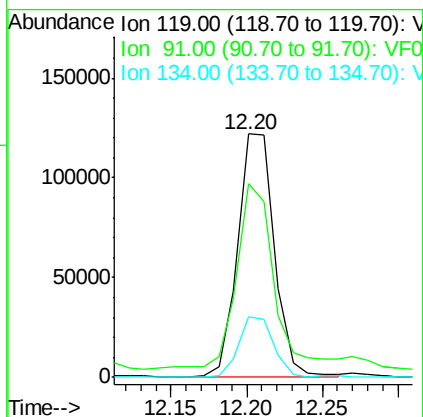
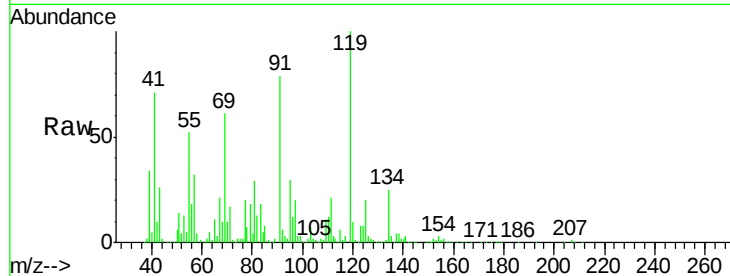




#83
 tert-Butylbenzene
 Concen: 25.579 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059323.D
 Acq: 26 Jun 2018 18:09

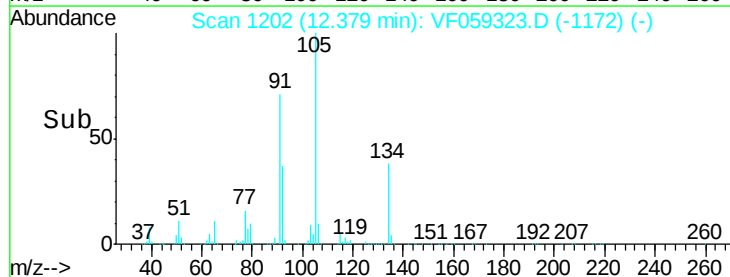
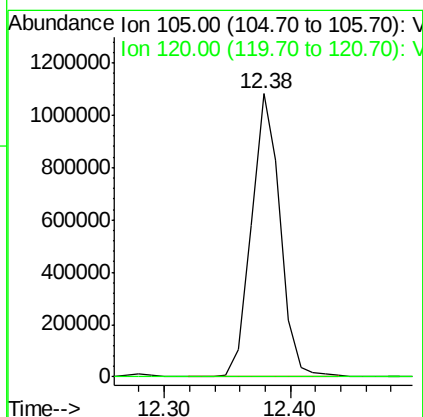
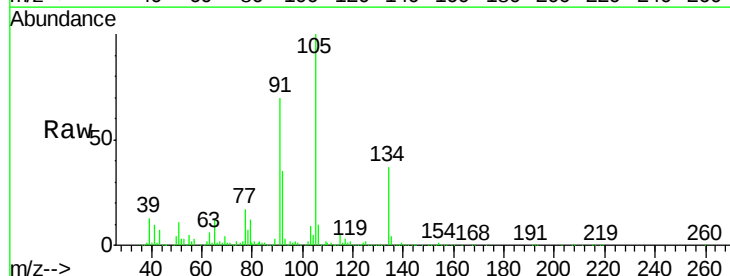
Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB485-29-31-180619RE

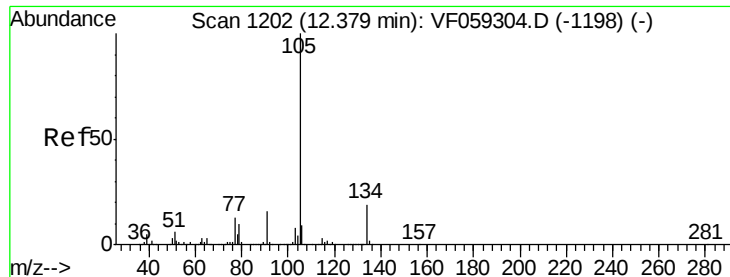
Tot Ion:119 Resp: 204625
 Ion Ratio Lower Upper
 119 100
 91 79.4 28.4 85.2
 134 25.0 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 201.756 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.10 min
 Lab File: VF059323.D
 Acq: 26 Jun 2018 18:09

Tgt Ion:105 Resp: 1699559
 Ion Ratio Lower Upper
 105 100
 120 0.3 22.8 68.4#





#85

sec-Butylbenzene

Concen: 160.694 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

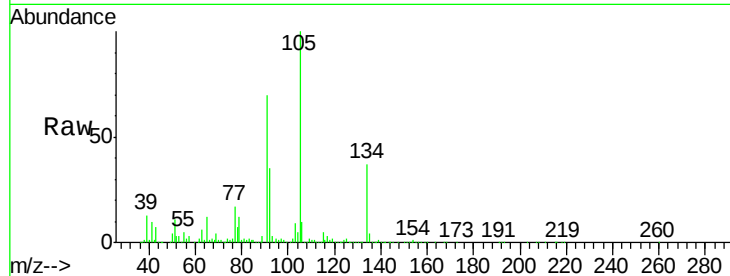
WP021SB485-29-31-180619RE

Tot Ion:105 Resp: 1703980

Ion Ratio Lower Upper

105 100

134 37.1 9.4 28.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1200000

1000000

800000

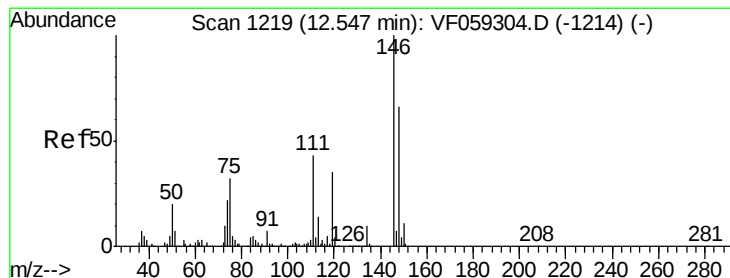
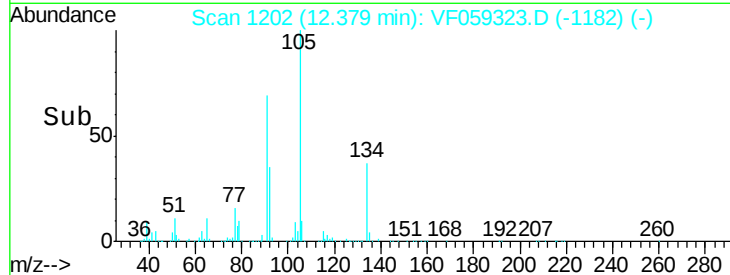
600000

400000

200000

0

Time-->



#87

1,3-Dichlorobenzene

Concen: 3.345 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

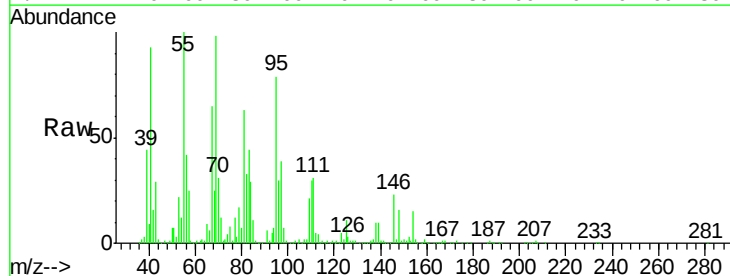
Tgt Ion:146 Resp: 31942

Ion Ratio Lower Upper

146 100

111 138.7 21.4 64.2#

148 70.4 32.8 98.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

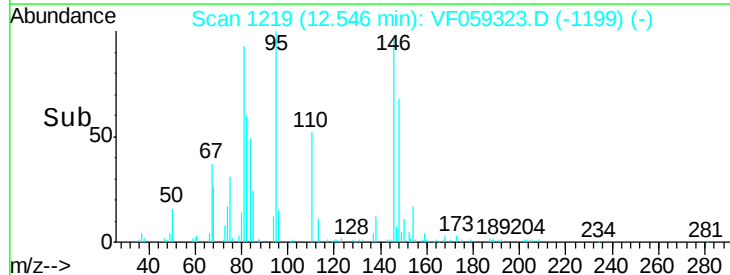
Ion 148.00 (147.70 to 148.70): V

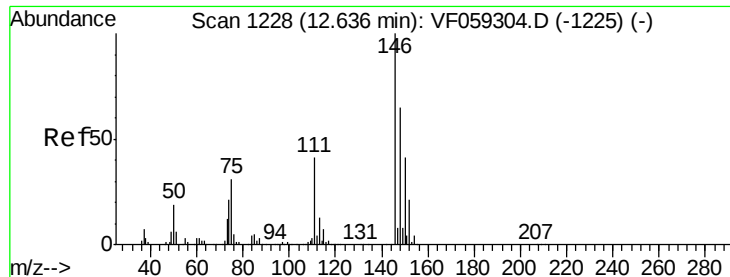
100000

50000

0

Time-->

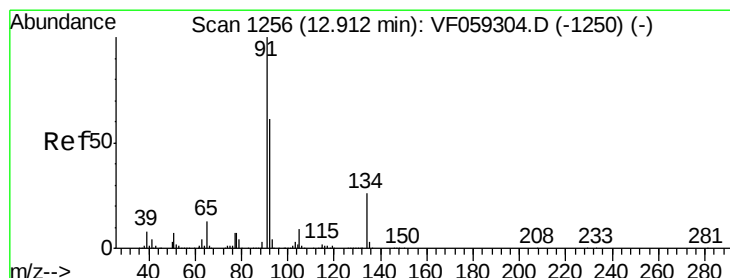
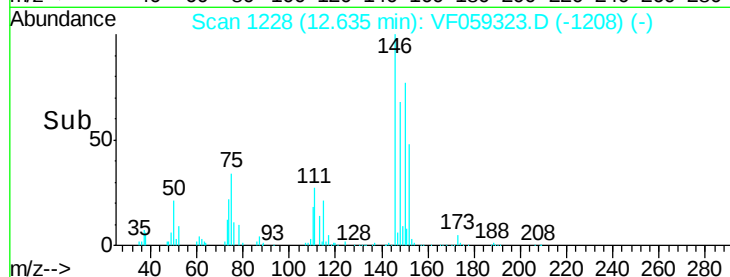
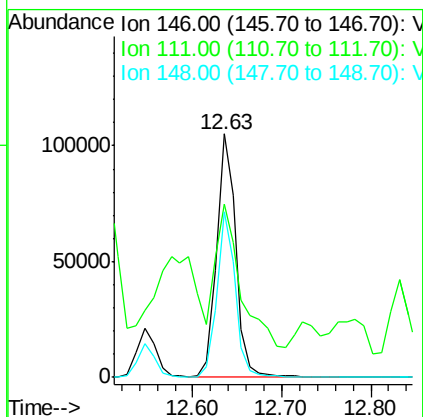
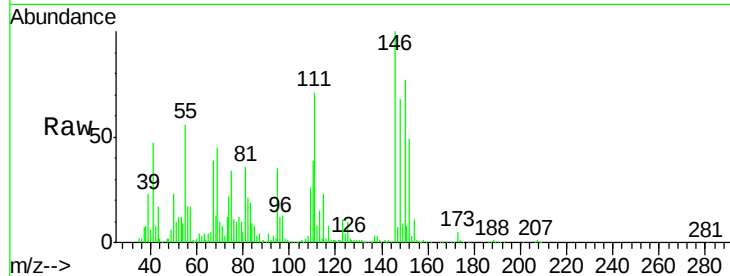




#88
 1,4-Dichlorobenzene
 Concen: 34.816 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059323.D
 Acq: 26 Jun 2018 18:09

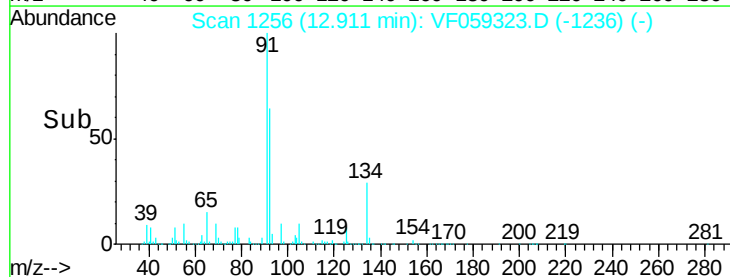
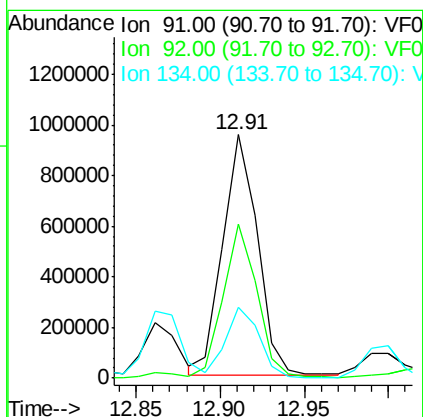
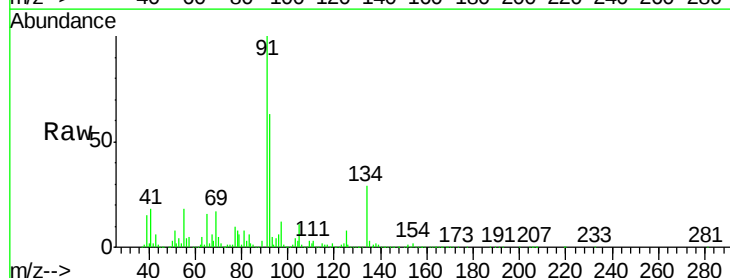
Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB485-29-31-180619RE

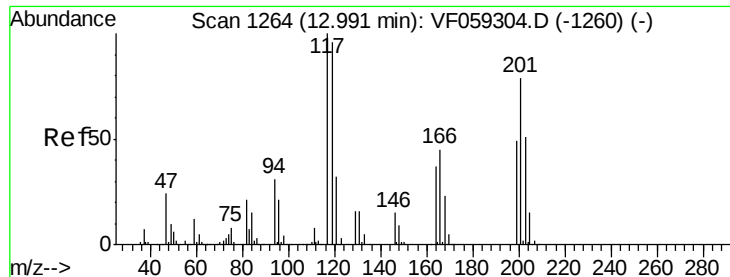
Tot Ion:146 Resp: 157513
 Ion Ratio Lower Upper
 146 100
 111 71.0 20.7 62.1#
 148 68.0 32.8 98.3



#89
 n-Butylbenzene
 Concen: 150.697 ug/l
 RT: 12.91 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VF059323.D
 Acq: 26 Jun 2018 18:09

Tgt Ion: 91 Resp: 1361372
 Ion Ratio Lower Upper
 91 100
 92 63.1 30.3 91.0
 134 28.9 12.9 38.7





#90

Hexachloroethane

Concen: 36.852 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

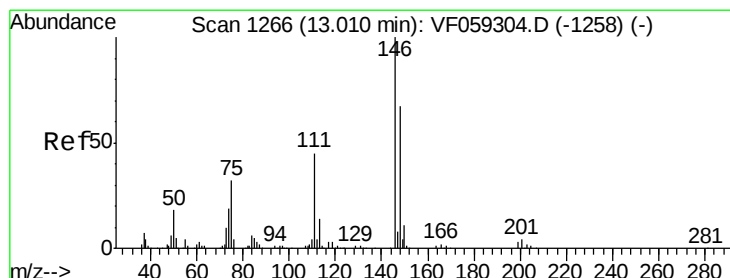
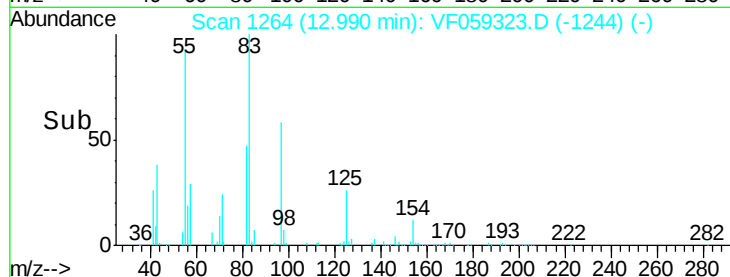
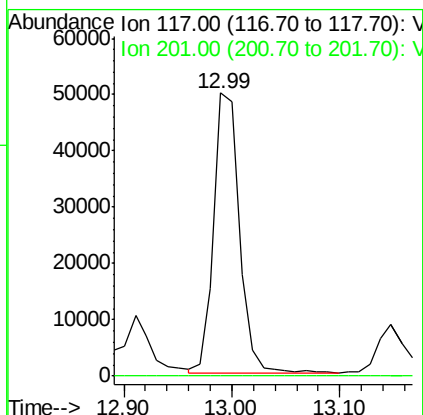
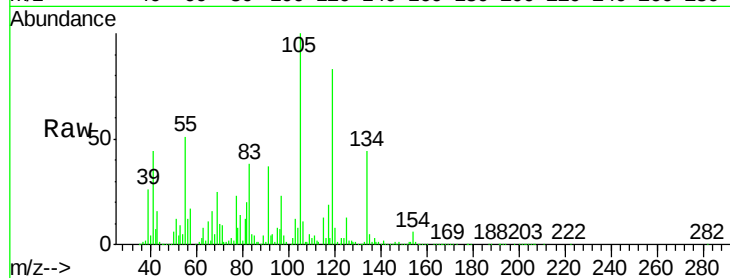
WP021SB485-29-31-180619RE

Tot Ion:117 Resp: 81735

Ion Ratio Lower Upper

117 100

201 0.3 39.5 118.5#



#91

1,2-Dichlorobenzene

Concen: 16.124 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059323.D

Acq: 26 Jun 2018 18:09

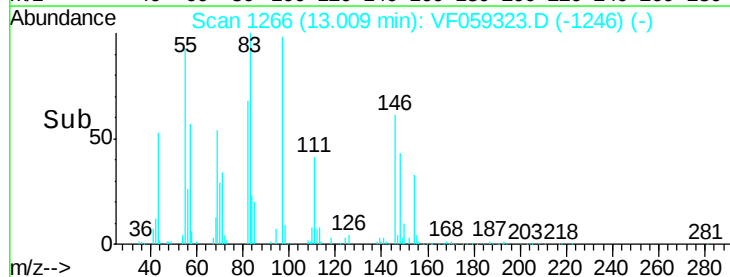
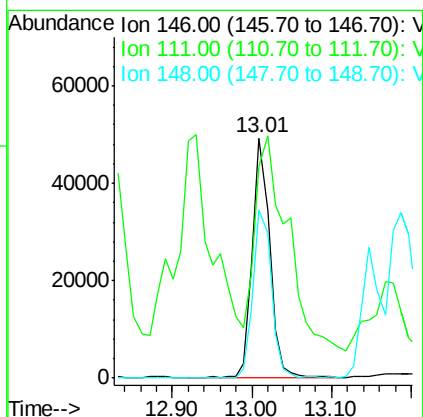
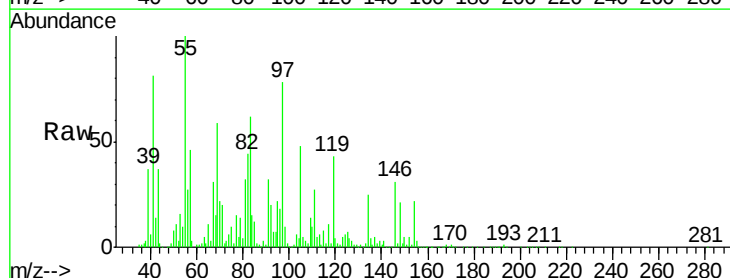
Tgt Ion:146 Resp: 74156

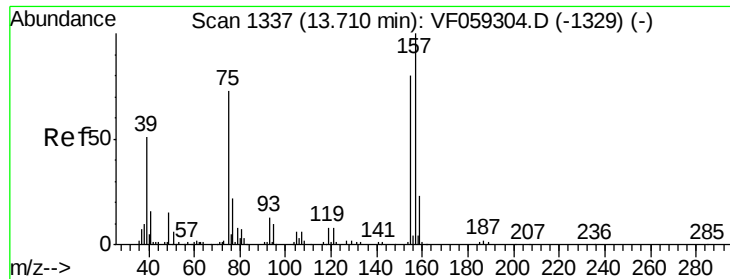
Ion Ratio Lower Upper

146 100

111 88.5 22.7 68.0#

148 69.8 33.5 100.4

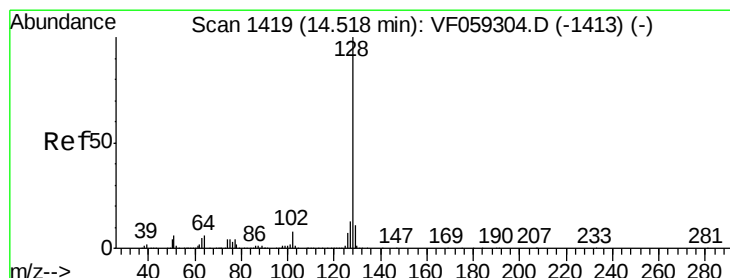
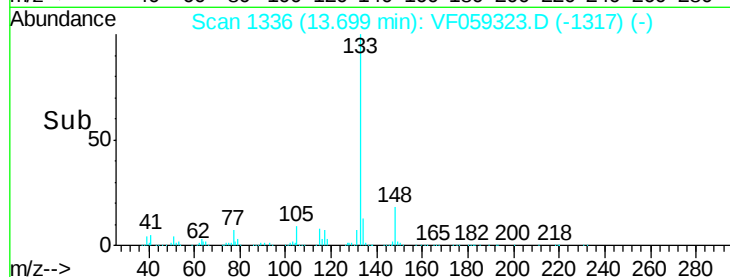
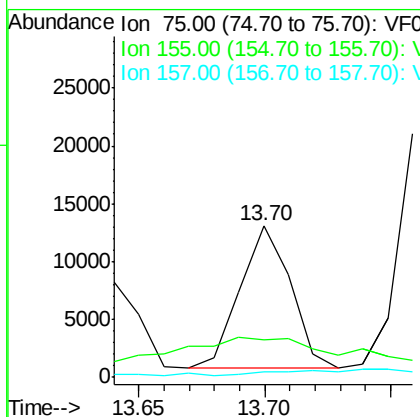
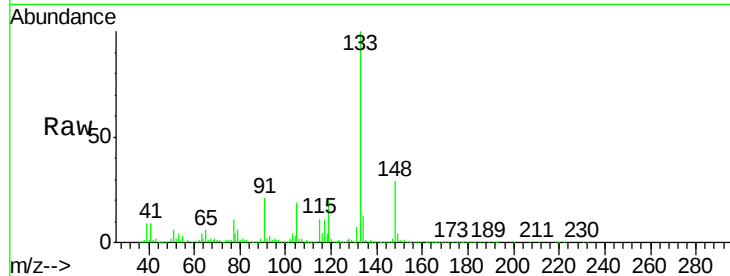




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 33.748 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VF059323.D
 Acq: 26 Jun 2018 18:09

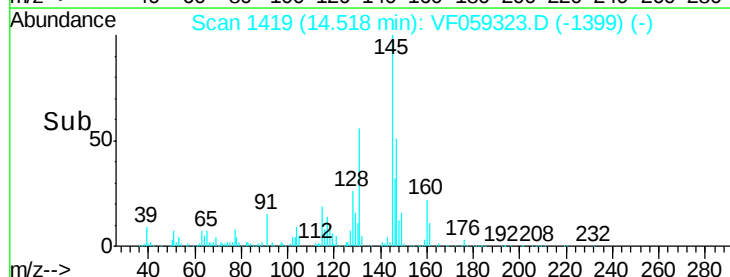
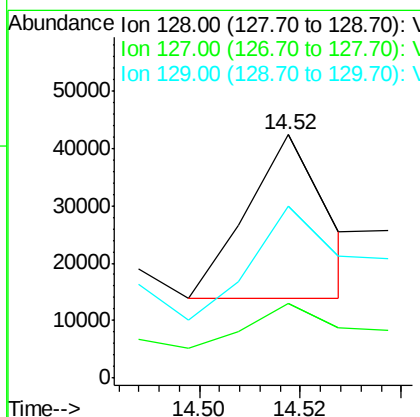
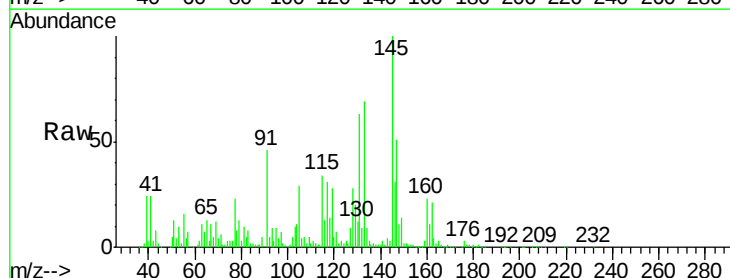
Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB485-29-31-180619RE

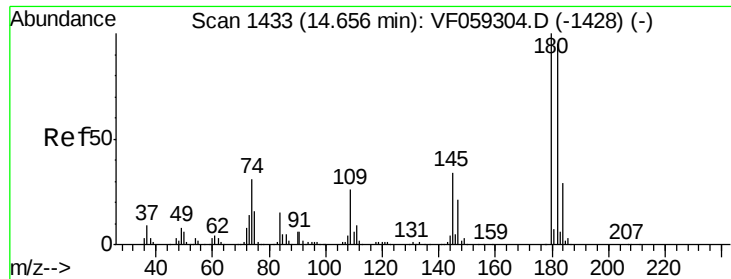
Tot Ion: 75 Resp: 17252
 Ion Ratio Lower Upper
 75 100
 155 24.8 54.6 163.8#
 157 3.4 68.7 205.9#



#95
 Naphthalene
 Concen: 4.420 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: VF059323.D
 Acq: 26 Jun 2018 18:09

Tgt Ion: 128 Resp: 31446
 Ion Ratio Lower Upper
 128 100
 127 30.6 10.1 15.1#
 129 70.7 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.665 ug/l
 RT: 14.70 min Scan# 1437
 Delta R.T. 0.04 min
 Lab File: VF059323.D
 Acq: 26 Jun 2018 18:09

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB485-29-31-180619RE

Tot Ion:180 Resp: 5364
 Ion Ratio Lower Upper
 180 100
 182 57.3 47.5 142.5
 145 1513.7 17.0 50.9#

