

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062933.D
 Acq On : 12 Jun 2019 17:48
 Operator : FY/SY
 Sample : K3283-01RE
 Misc : 5.46g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 200030-200034RE

Quant Time: Jun 13 08:31:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	52530	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	65001	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	39662	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	8099	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	7792	21.45	ug/l	-0.03
Spiked Amount			Recovery	=	42.90%	
35) Dibromofluoromethane	4.31	113	22520	45.85	ug/l	-0.03
Spiked Amount			Recovery	=	91.70%	
50) Toluene-d8	7.71	98	54278	43.70	ug/l	-0.03
Spiked Amount			Recovery	=	87.40%	
62) 4-Bromofluorobenzene	11.48	95	11616	26.00	ug/l	-0.03
Spiked Amount			Recovery	=	52.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	865	Below Cal		81
5) Bromomethane	1.38	94	743	2.412	ug/l	99
6) Chloroethane	1.47	64	601	2.976	ug/l	93
8) Diethyl Ether	1.75	74	290	1.928	ug/l	91
11) Tert butyl alcohol	2.69	59	377	17.132	ug/l #	1
12) 1,1-Dichloroethene	1.86	96	678	1.553	ug/l #	1
13) Acrolein	2.11	56	934	101.382	ug/l	85
14) Allyl chloride	2.23	41	2075	6.127	ug/l #	23
15) Acrylonitrile	3.07	53	281	3.398	ug/l #	80
16) Acetone	2.28	43	973	11.703	ug/l	97
18) Methyl Acetate	2.50	43	3243	22.322	ug/l #	47
20) Methylene Chloride	2.39	84	373	Below Cal	#	14
23) Vinyl Acetate	3.35	43	1188	1.804	ug/l #	67
25) 2-Butanone	4.53	43	444	2.293	ug/l	98
29) Tetrahydrofuran	4.19	42	348	4.699	ug/l	94
37) Ethyl Acetate	4.30	43	315	1.377	ug/l #	76
38) Carbon Tetrachloride	4.15	117	415	1.026	ug/l #	11
41) Methacrylonitrile	4.91	41	1203	9.460	ug/l #	60
42) 1,2-Dichloroethane	5.12	62	539	1.627	ug/l #	48
43) Isopropyl Acetate	7.10	43	1523	5.040	ug/l #	80
48) Methyl methacrylate	6.90	41	1229	7.892	ug/l #	31
49) 1,4-Dioxane	6.85	88	255	124.227	ug/l #	6
51) 4-Methyl-2-Pentanone	8.44	43	839	3.889	ug/l	95
57) 1,3-Dichloropropane	9.01	76	589	1.287	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.41	63	293	2.788	ug/l #	1
59) 2-Hexanone	9.63	43	731	4.754	ug/l	65
66) 1,1,1,2-Tetrachloroethane	10.05	131	425	1.393	ug/l #	43
71) Bromoform	10.96	173	222	1.517	ug/l #	28
74) N-amyl acetate	11.45	43	898	5.638	ug/l #	32
75) 1,1,2,2-Tetrachloroethane	11.79	83	182	1.508	ug/l #	25
76) 1,2,3-Trichloropropane	11.85	75	300	3.750	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.94	75	397	11.722	ug/l #	35
90) Hexachloroethane	12.92	117	288	2.351	ug/l	70
91) 1,2-Dichlorobenzene	12.99	146	250	1.136	ug/l #	33

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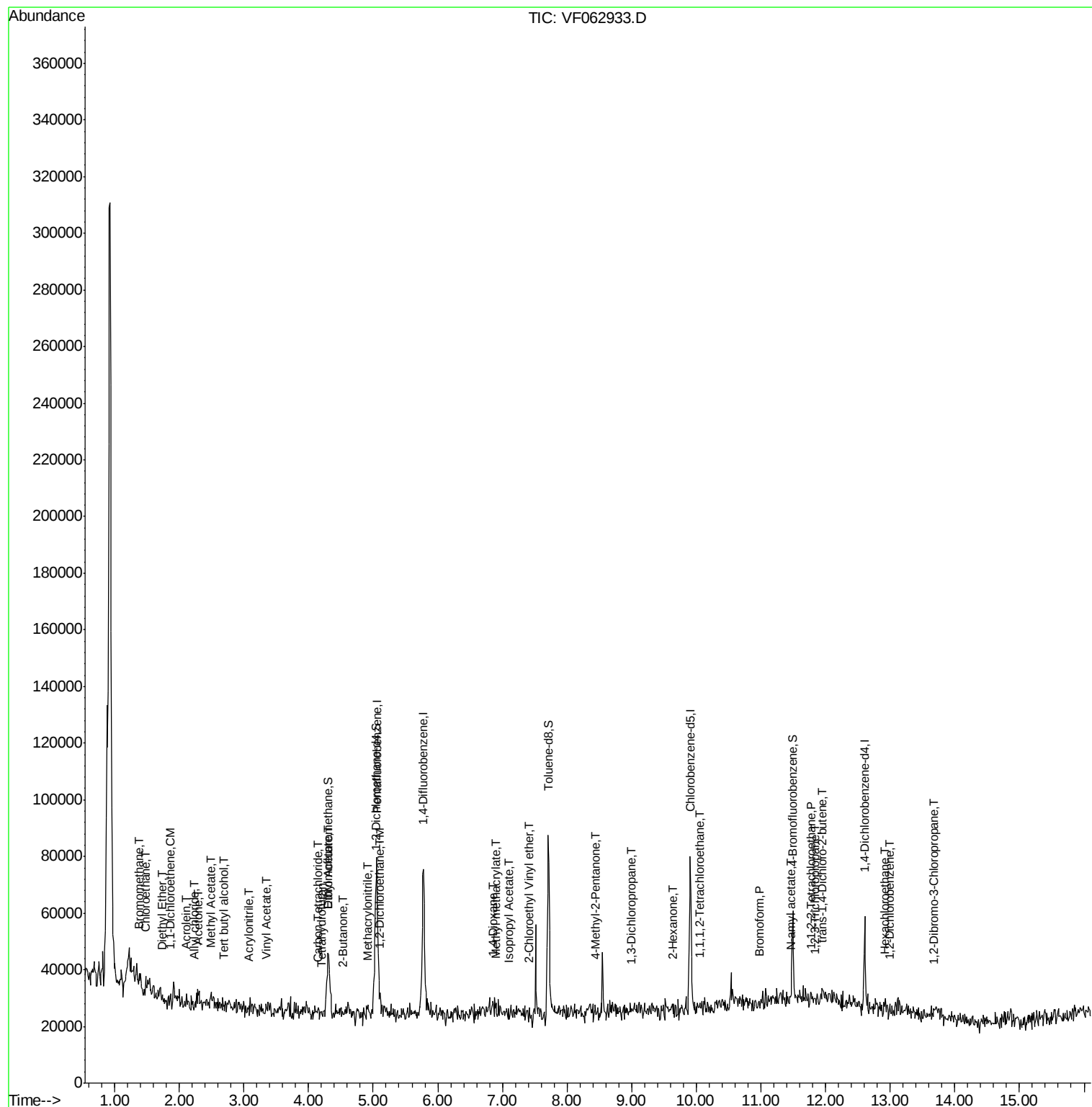
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	13.67	75	264	20.079	ug/l #	1

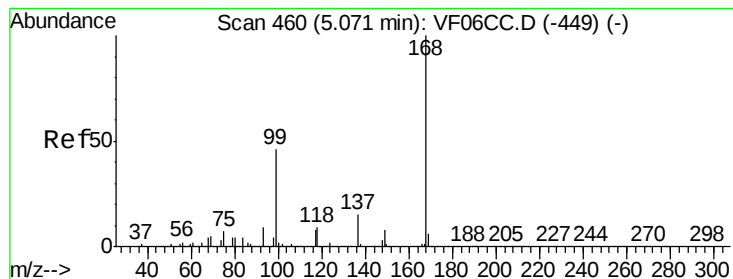
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.02 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

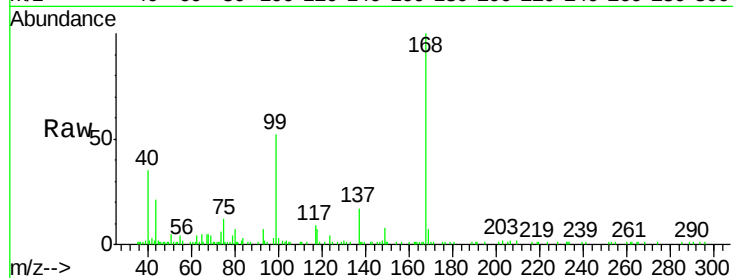
200030-200034RE

Tot Ion:168 Resp: 52530

Ion Ratio Lower Upper

168 100

99 51.9 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

20000

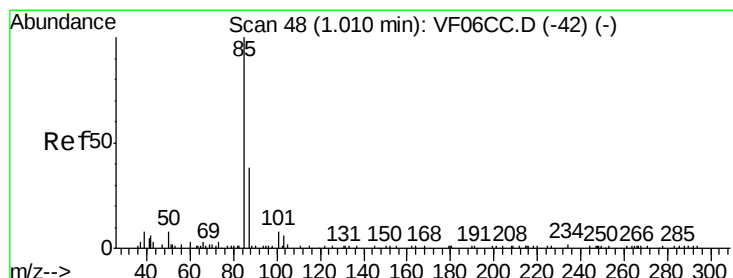
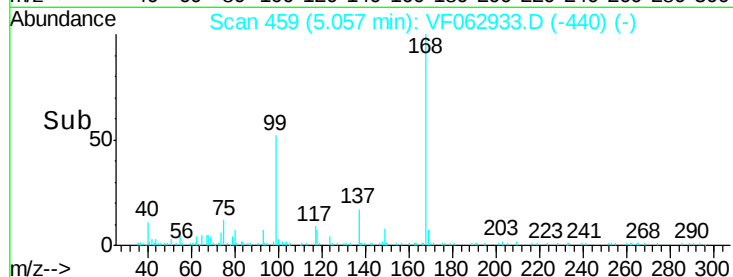
15000

10000

5000

0

Time--> 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.02 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062933.D

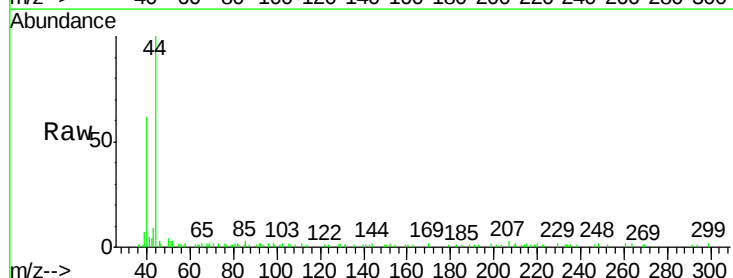
Acq: 12 Jun 2019 17:48

Tgt Ion: 85 Resp: 865

Ion Ratio Lower Upper

85 100

87 24.3 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

600

500

400

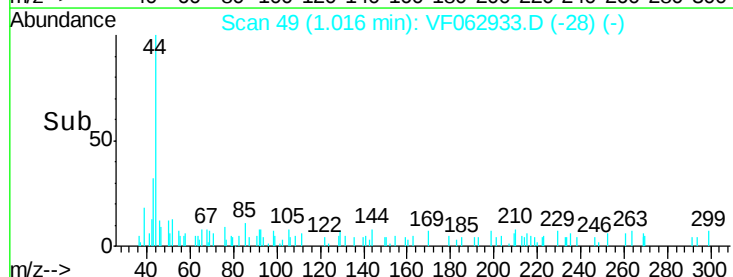
300

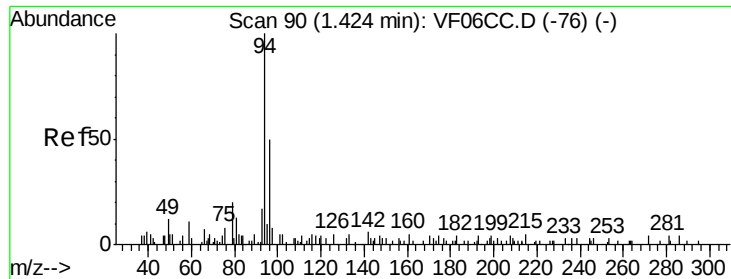
200

100

0

Time--> 1.00 1.05





#5

Bromomethane

Concen: 2.412 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.03 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

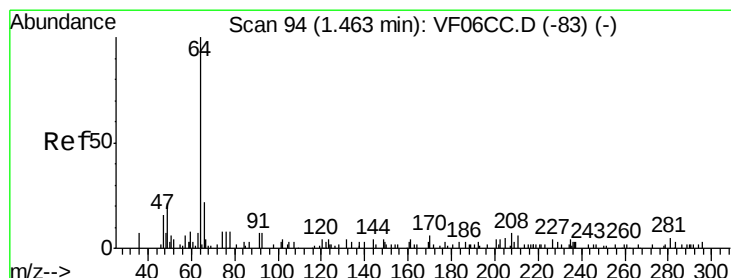
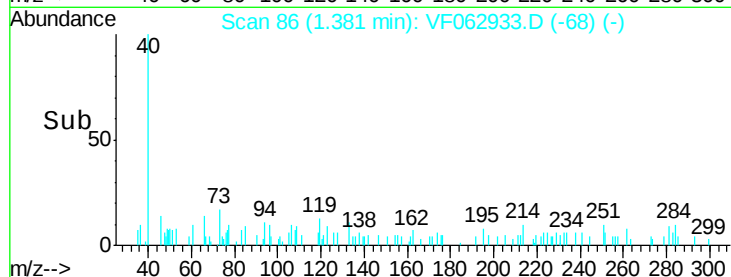
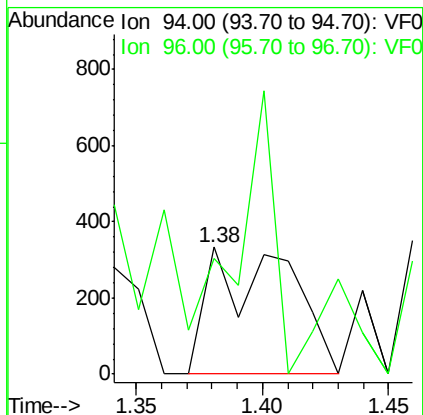
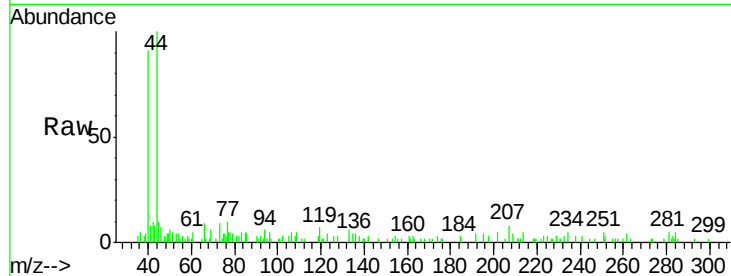
200030-200034RE

Tot Ion: 94 Resp: 743

Ion Ratio Lower Upper

94 100

96 91.3 73.8 110.6



#6

Chloroethane

Concen: 2.976 ug/l

RT: 1.47 min Scan# 95

Delta R.T. 0.00 min

Lab File: VF062933.D

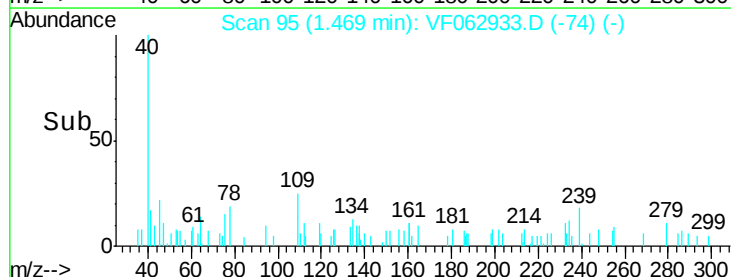
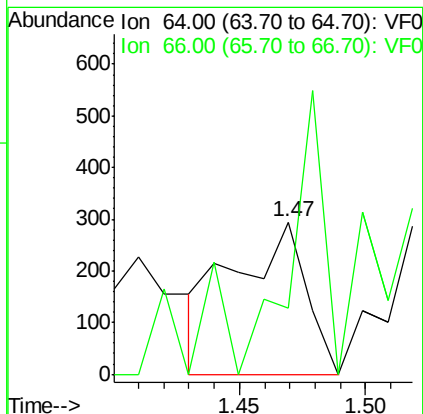
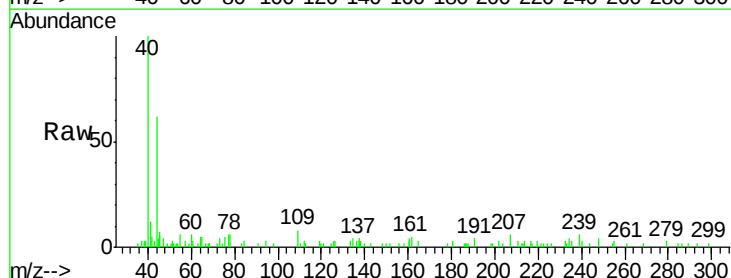
Acq: 12 Jun 2019 17:48

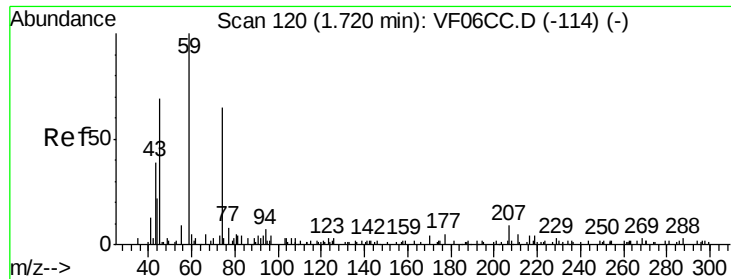
Tgt Ion: 64 Resp: 601

Ion Ratio Lower Upper

64 100

66 43.2 31.0 46.4

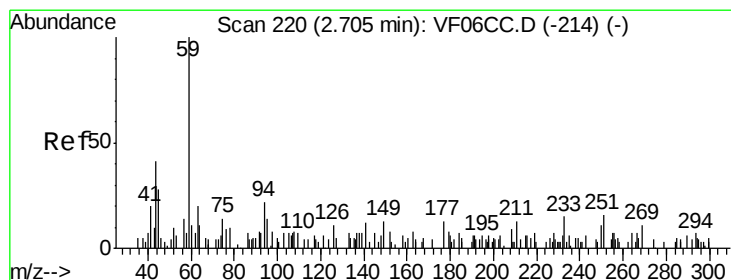
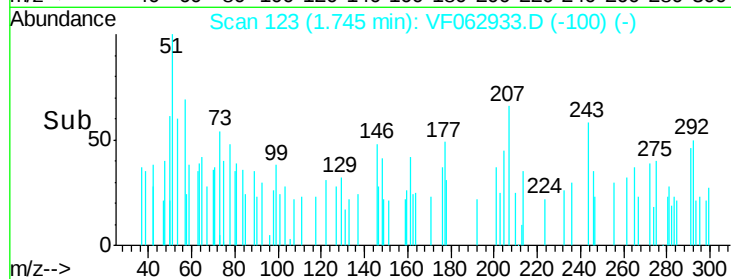
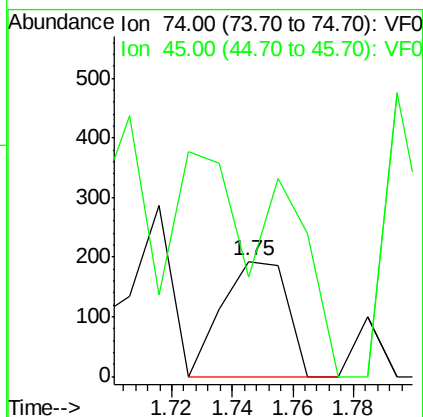
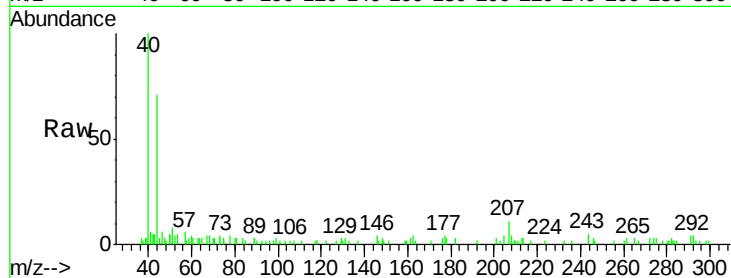




#8
Diethyl Ether
Concen: 1.928 ug/l
RT: 1.75 min Scan# 123
Delta R.T. 0.02 min
Lab File: VF062933.D
Acq: 12 Jun 2019 17:48

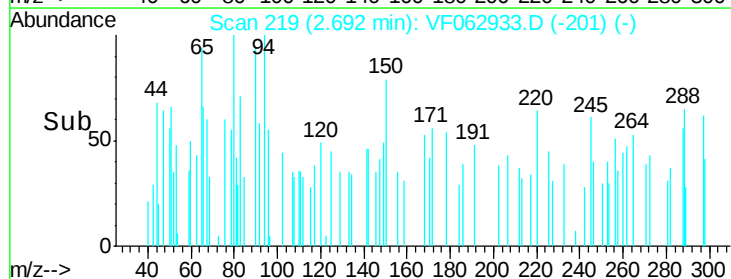
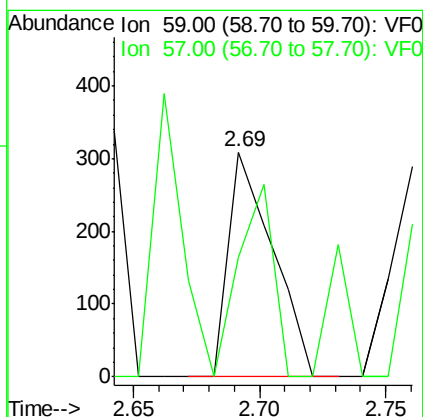
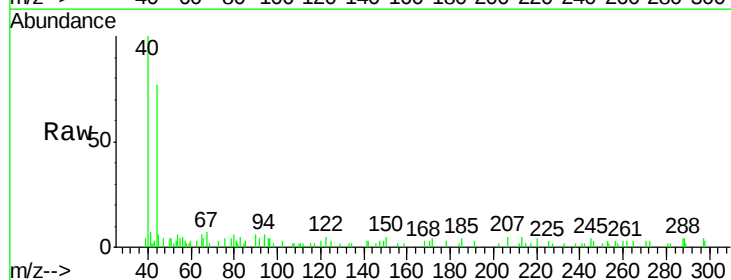
Instrument :
MSVOA_F
ClientSampled :
200030-200034RE

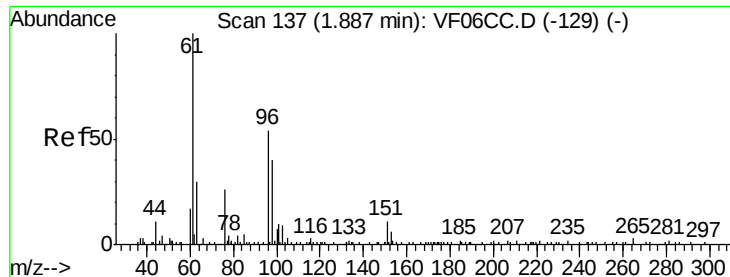
Tot Ion: 74 Resp: 290
Ion Ratio Lower Upper
74 100
45 86.0 47.5 142.5



#11
Tert butyl alcohol
Concen: 17.132 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.03 min
Lab File: VF062933.D
Acq: 12 Jun 2019 17:48

Tgt Ion: 59 Resp: 377
Ion Ratio Lower Upper
59 100
57 53.1 9.2 13.8#





#12

1,1-Dichloroethene

Concen: 1.553 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.03 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

200030-200034RE

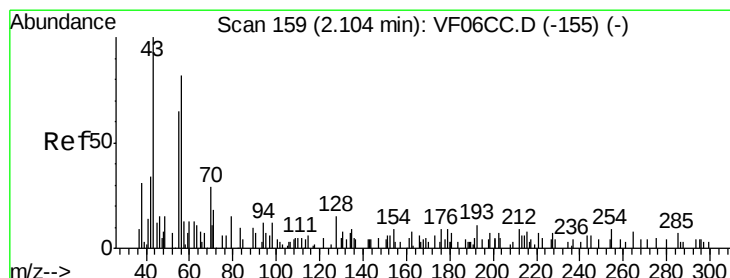
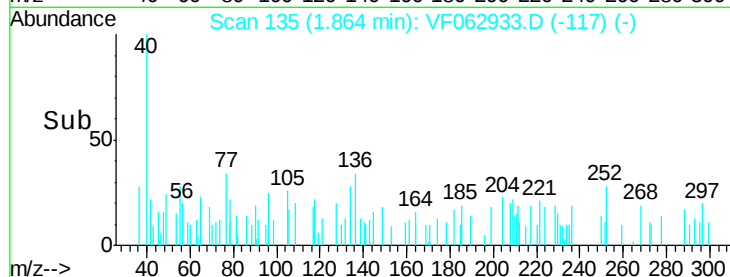
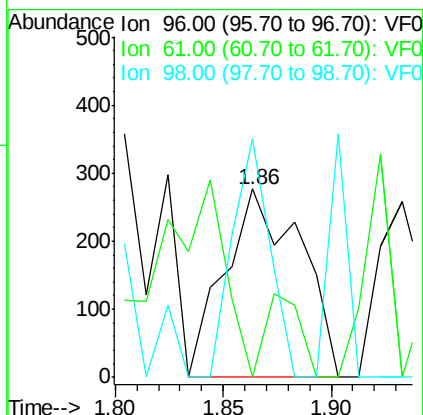
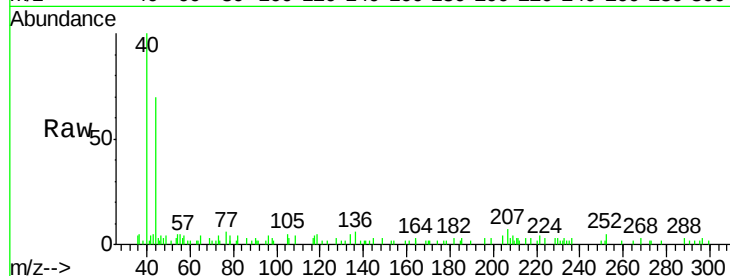
Tot Ion: 96 Resp: 678

Ion Ratio Lower Upper

96 100

61 0.0 139.4 209.2#

98 126.7 50.3 75.5#



#13

Acrolein

Concen: 101.382 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062933.D

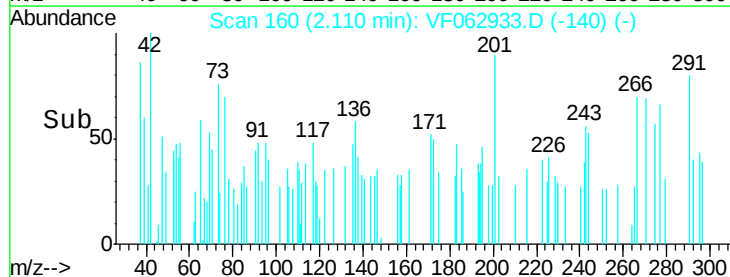
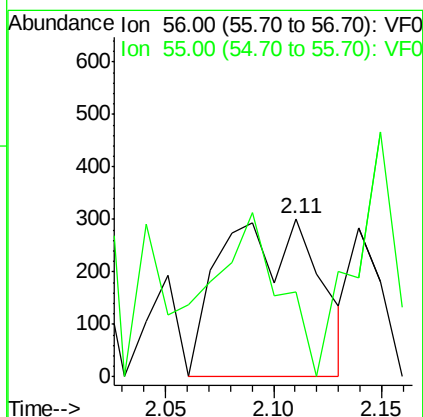
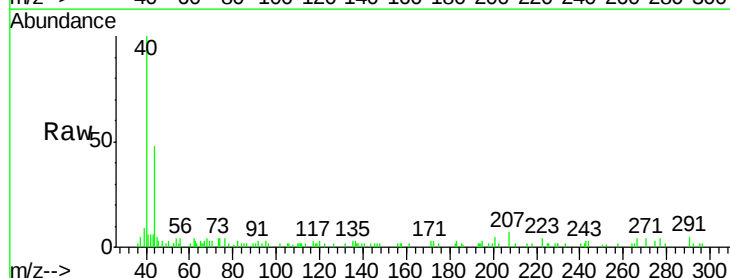
Acq: 12 Jun 2019 17:48

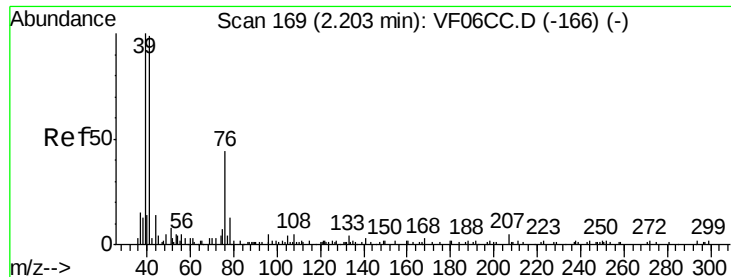
Tgt Ion: 56 Resp: 934

Ion Ratio Lower Upper

56 100

55 54.2 52.9 79.3





#14

Allvl chloride

Concen: 6.127 ug/l

RT: 2.23 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

200030-200034RE

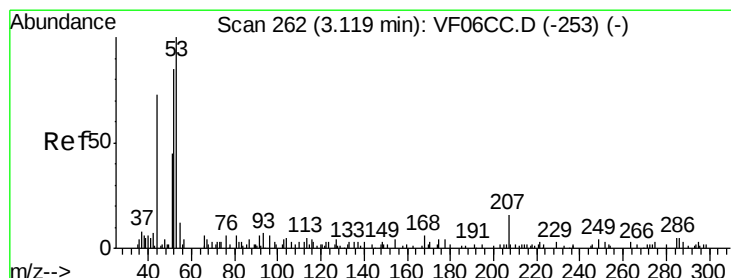
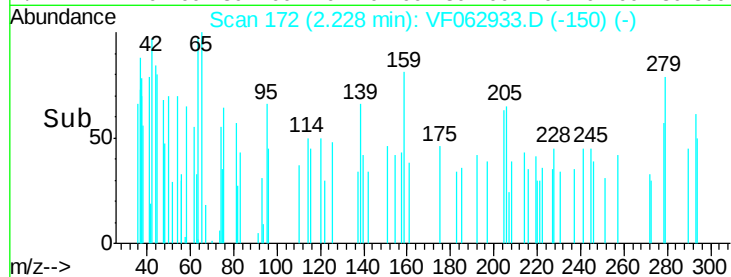
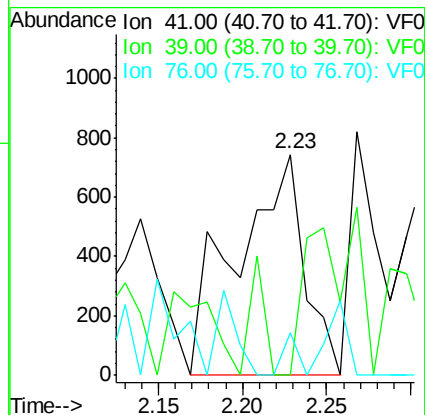
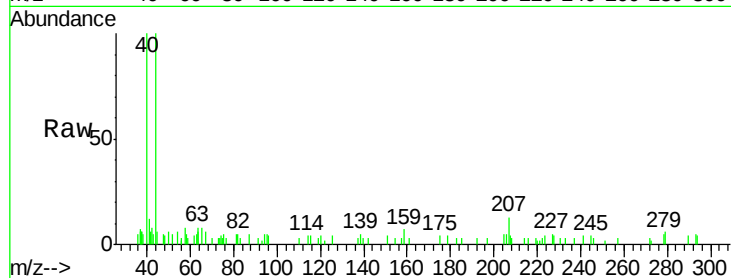
Tot Ion: 41 Resp: 2075

Ion Ratio Lower Upper

41 100

39 0.0 71.9 107.9#

76 19.5 39.6 59.4#



#15

Acrylonitrile

Concen: 3.398 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.05 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

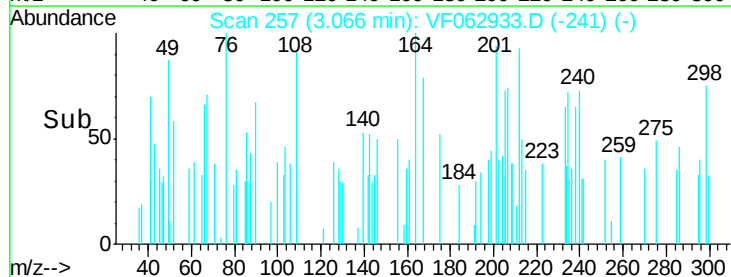
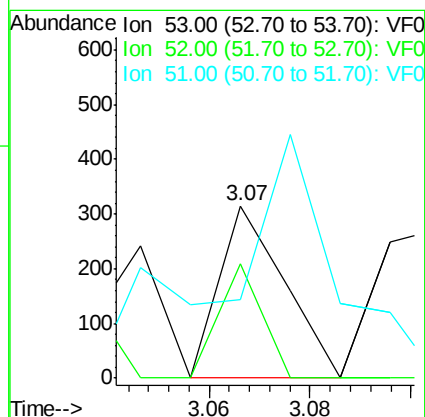
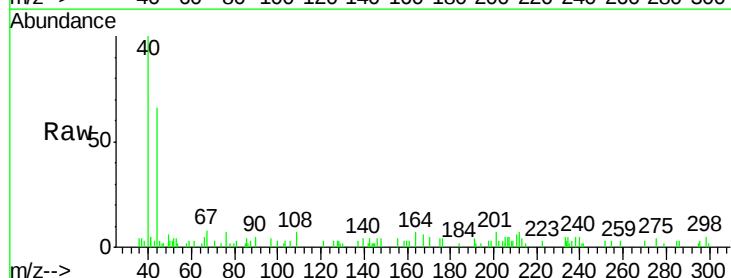
Tgt Ion: 53 Resp: 281

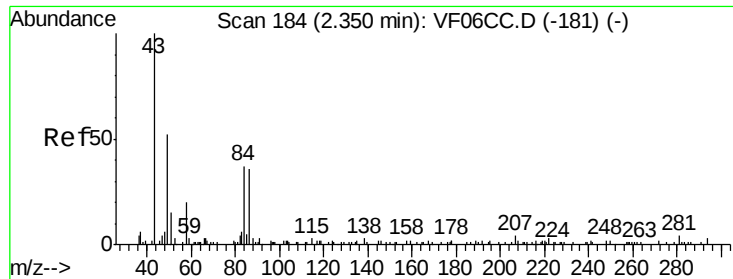
Ion Ratio Lower Upper

53 100

52 66.7 68.1 102.1#

51 45.7 27.7 41.5#

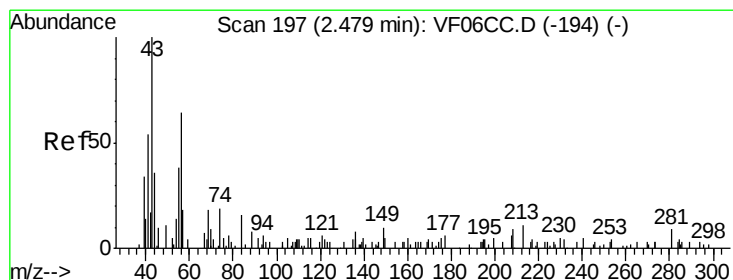
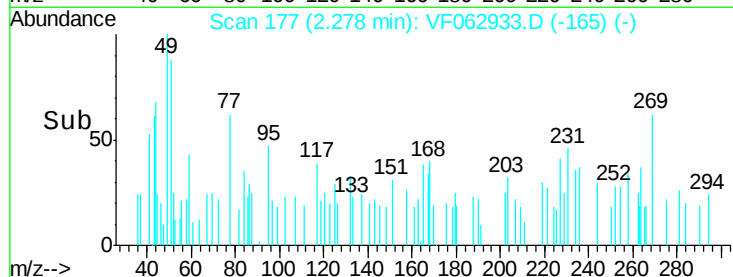
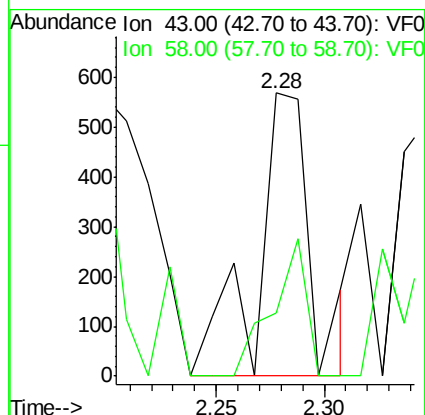
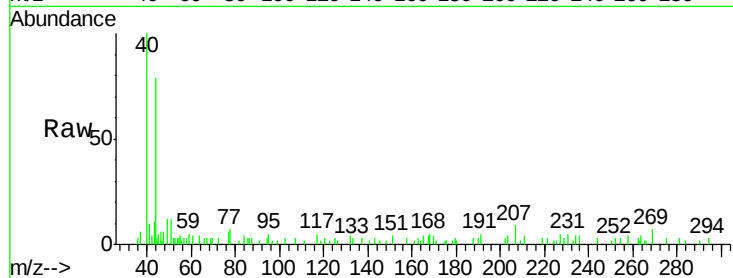




#16
Acetone
Concen: 11.703 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.08 min
Lab File: VF062933.D
Acq: 12 Jun 2019 17:48

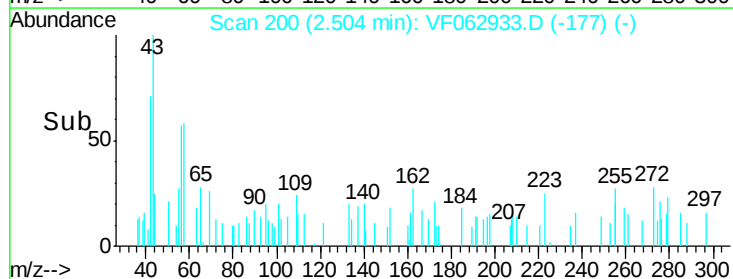
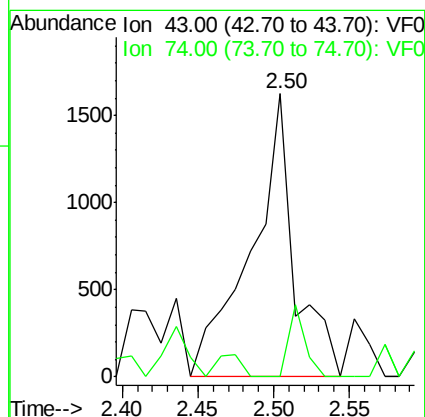
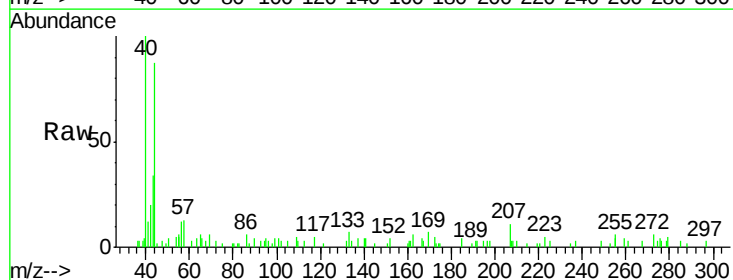
Instrument :
MSVOA_F
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200030-200034RE

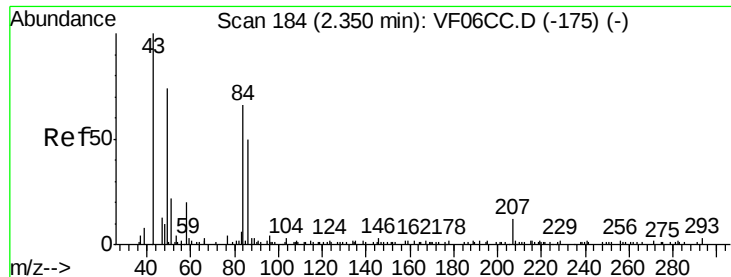
Tot Ion: 43 Resp: 973
Ion Ratio Lower Upper
43 100
58 22.4 19.0 28.4



#18
Methyl Acetate
Concen: 22.322 ug/l
RT: 2.50 min Scan# 200
Delta R.T. 0.02 min
Lab File: VF062933.D
Acq: 12 Jun 2019 17:48

Tgt Ion: 43 Resp: 3243
Ion Ratio Lower Upper
43 100
74 0.0 22.1 33.1#

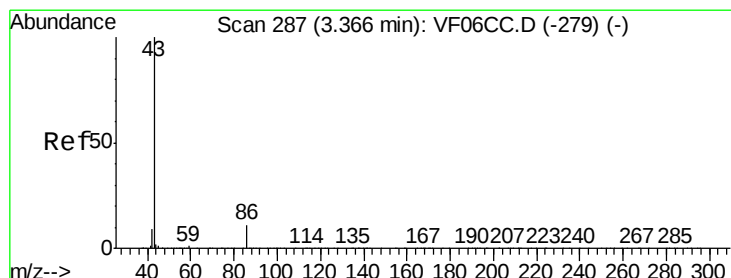
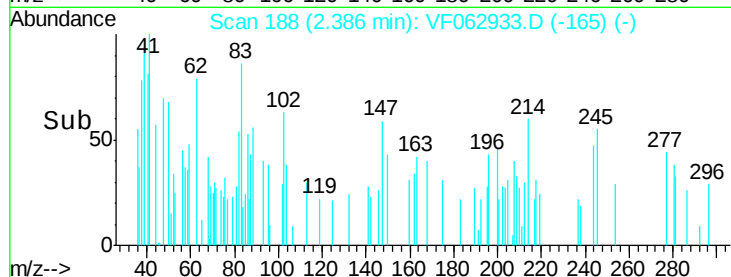
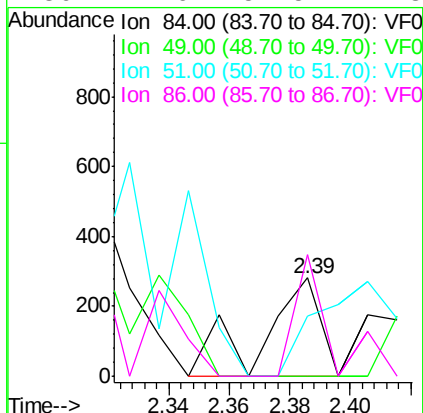
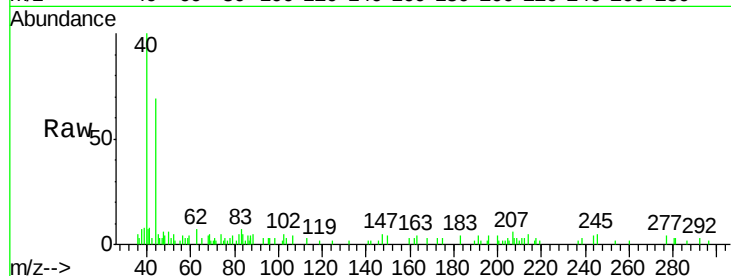




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.39 min Scan# 188
Delta R.T. 0.02 min
Lab File: VF062933.D
Acq: 12 Jun 2019 17:48

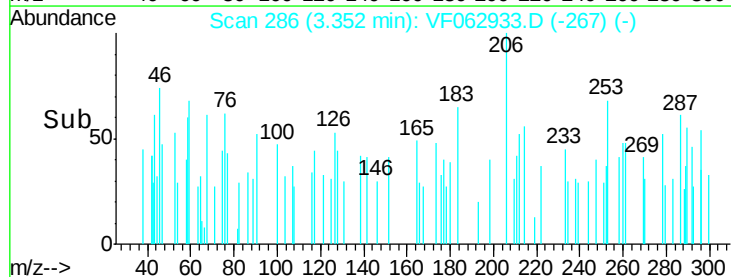
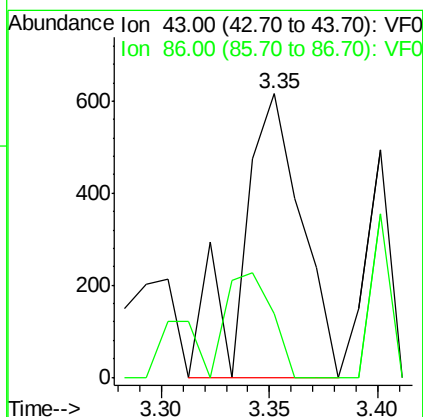
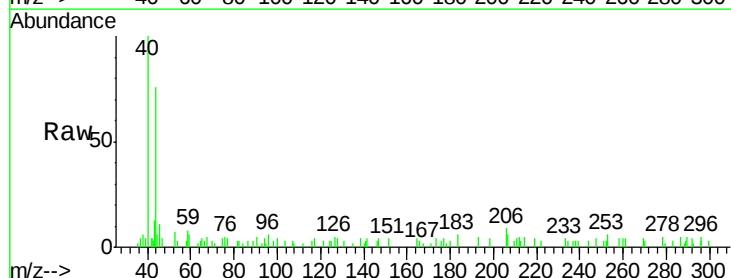
Instrument :
MSVOA_F
ClientSampleId :
200030-200034RE

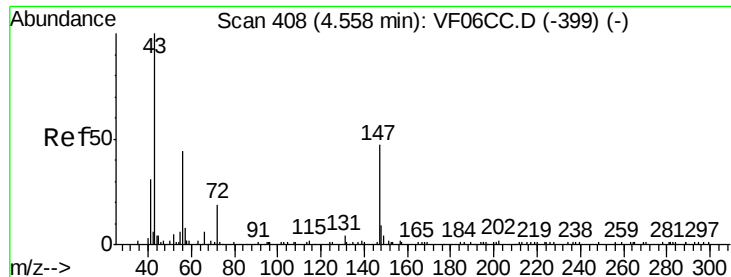
Tot Ion: 84 Resp: 373
Ion Ratio Lower Upper
84 100
49 0.0 82.6 123.8#
51 61.6 25.0 37.4#
86 124.6 51.5 77.3#



#23
Vinyl Acetate
Concen: 1.804 ug/l
RT: 3.35 min Scan# 286
Delta R.T. -0.02 min
Lab File: VF062933.D
Acq: 12 Jun 2019 17:48

Tgt Ion: 43 Resp: 1188
Ion Ratio Lower Upper
43 100
86 22.4 8.2 12.2#

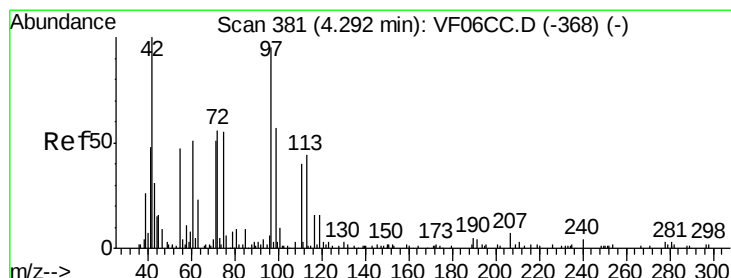
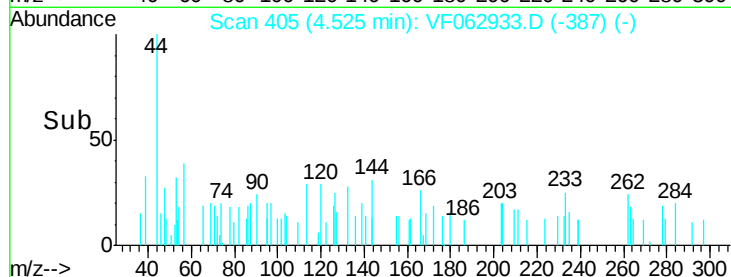
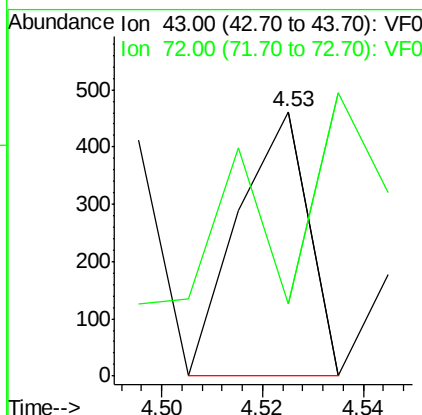
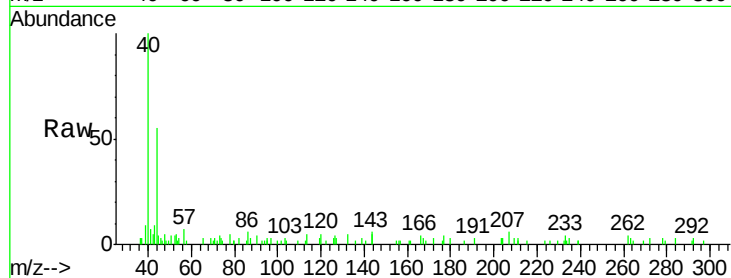




#25
2-Butanone
Concen: 2.293 ug/l
RT: 4.53 min Scan# 405
Delta R.T. -0.03 min
Lab File: VF062933.D
Acq: 12 Jun 2019 17:48

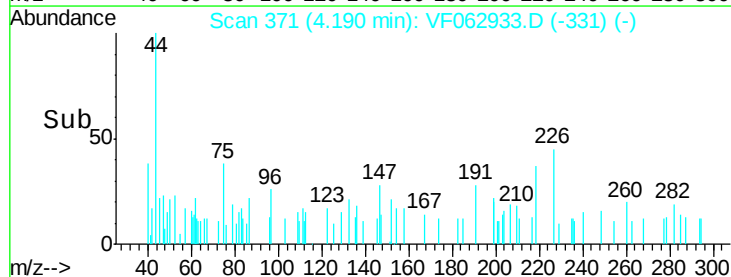
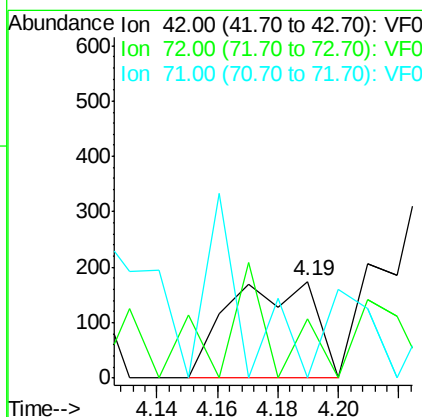
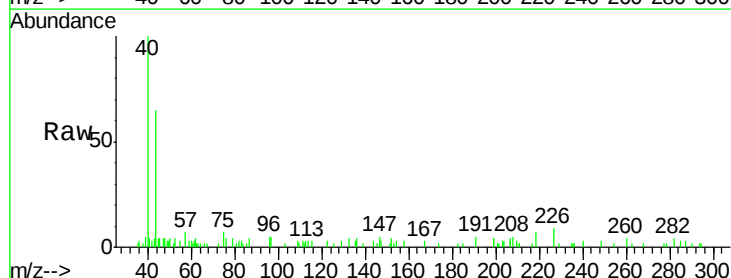
Instrument :
MSVOA_F
ClientSampleId :
200030-200034RE

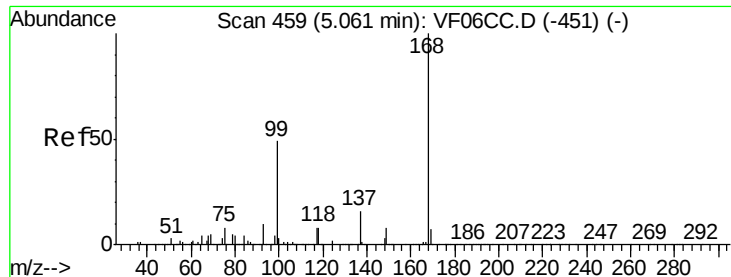
Tot Ion: 43 Resp: 444
Ion Ratio Lower Upper
43 100
72 27.5 21.4 32.0



#29
Tetrahydrofuran
Concen: 4.699 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.10 min
Lab File: VF062933.D
Acq: 12 Jun 2019 17:48

Tgt Ion: 42 Resp: 348
Ion Ratio Lower Upper
42 100
72 43.1 39.0 58.6
71 48.6 36.9 55.3

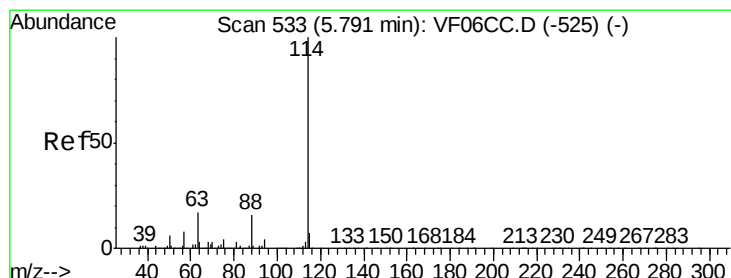
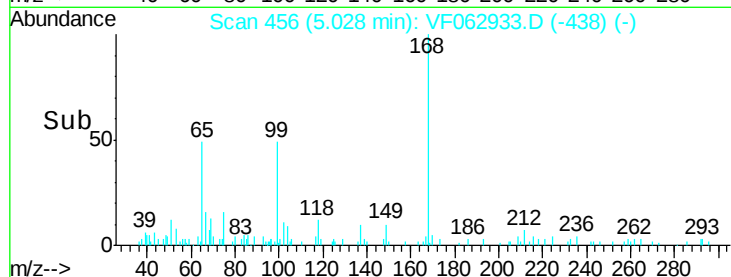
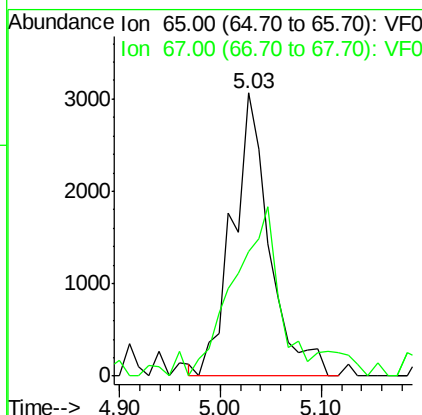
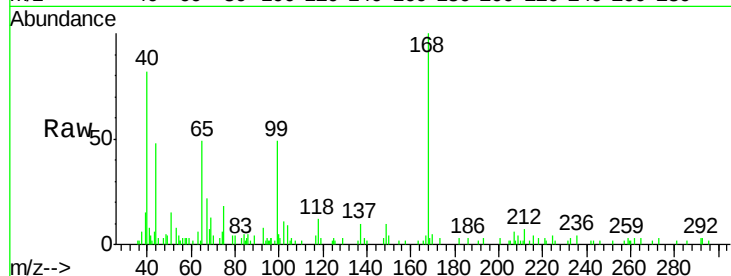




#33
 1,2-Dichloroethane-d4
 Concen: 21.451 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.03 min
 Lab File: VF062933.D
 Acq: 12 Jun 2019 17:48

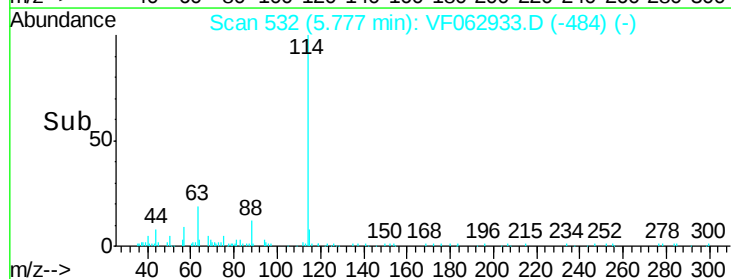
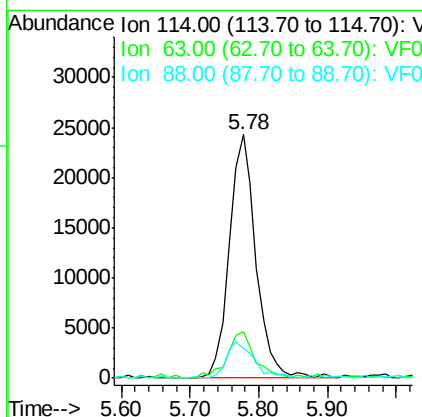
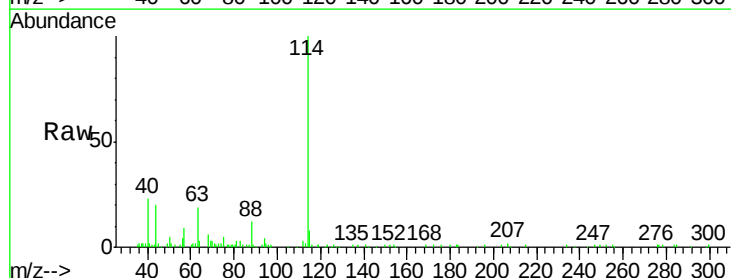
Instrument :
 MSVOA_F
 ClientSampleId :
 200030-200034RE

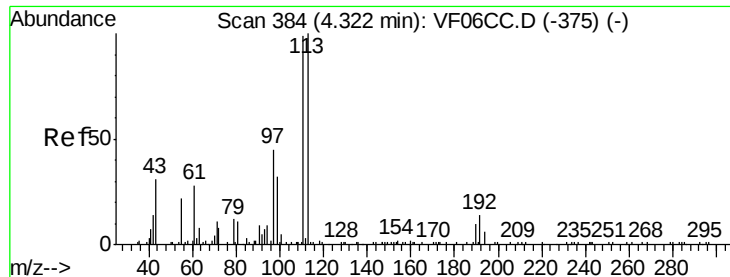
Tot Ion: 65 Resp: 7792
 Ion Ratio Lower Upper
 65 100
 67 43.8 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.03 min
 Lab File: VF062933.D
 Acq: 12 Jun 2019 17:48

Tgt Ion: 114 Resp: 65001
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 34.2
 88 12.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 45.849 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.03 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

200030-200034RE

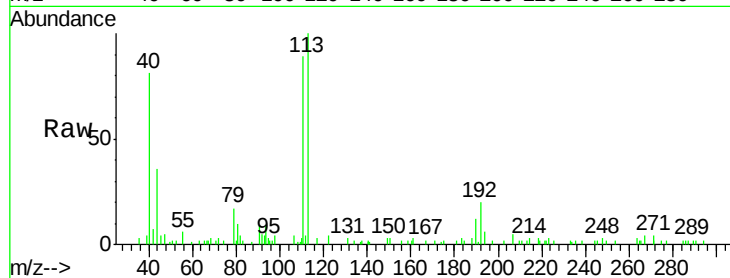
Tot Ion:113 Resp: 22520

Ion Ratio Lower Upper

113 100

111 88.6 81.9 122.9

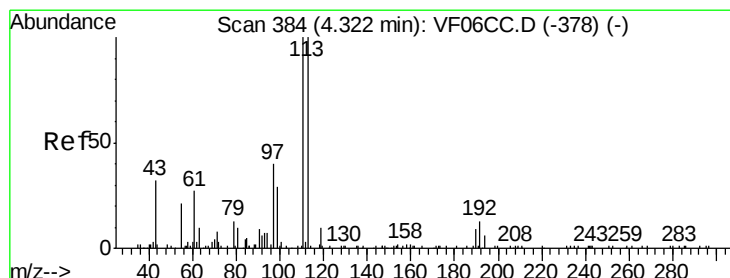
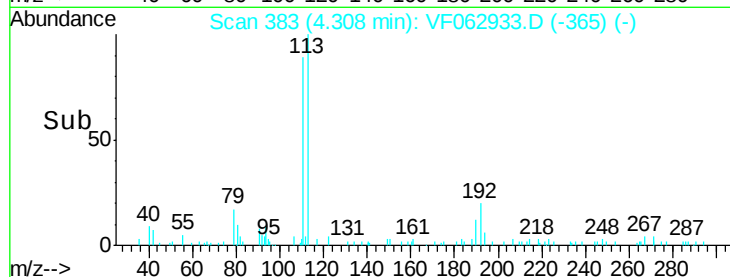
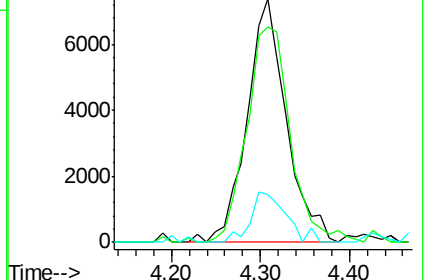
192 19.8 15.1 22.7



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: 1.377 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.04 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

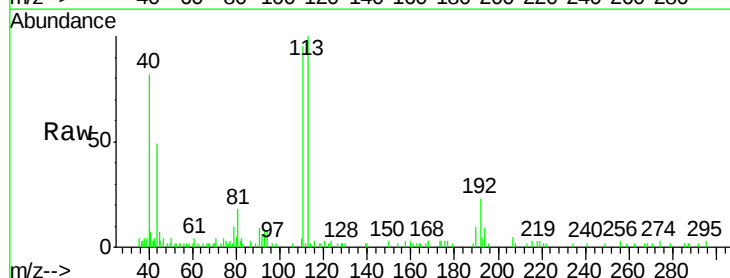
Tgt Ion: 43 Resp: 315

Ion Ratio Lower Upper

43 100

61 87.8 59.1 88.7

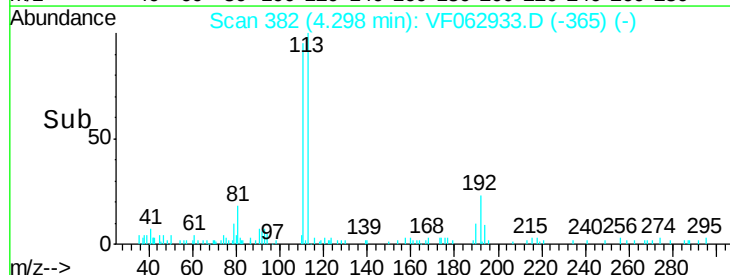
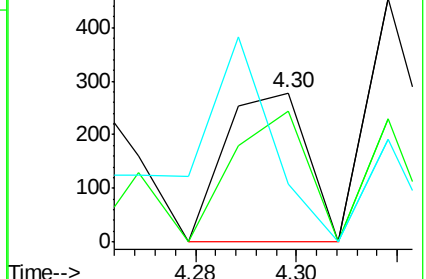
70 38.5 10.1 15.1#

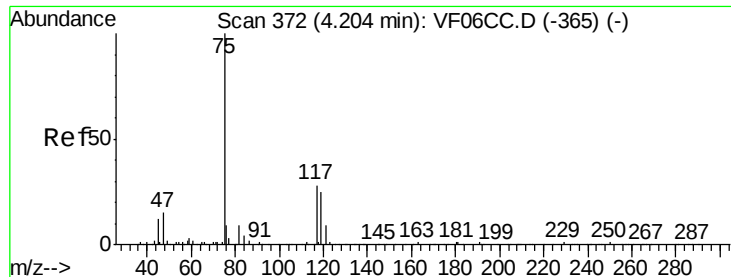


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#38

Carbon Tetrachloride

Concen: 1.026 ug/l

RT: 4.15 min Scan# 367

Delta R.T. -0.06 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

200030-200034RE

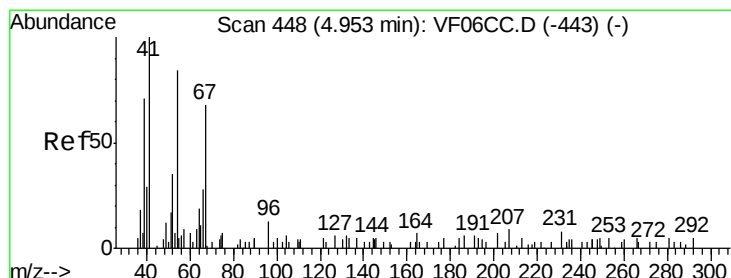
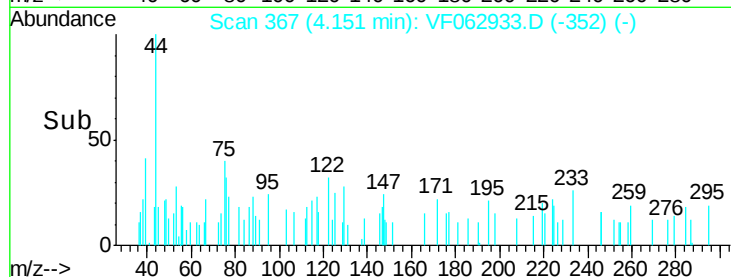
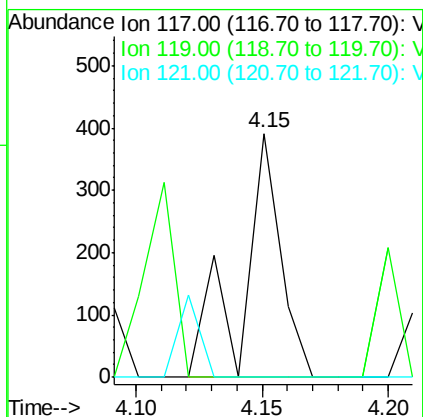
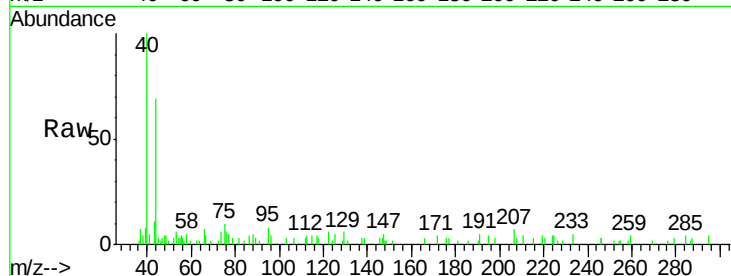
Tot Ion:117 Resp: 415

Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

121 0.0 28.2 42.2#



#41

Methacrylonitrile

Concen: 9.460 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.05 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

Tgt Ion: 41 Resp: 1203

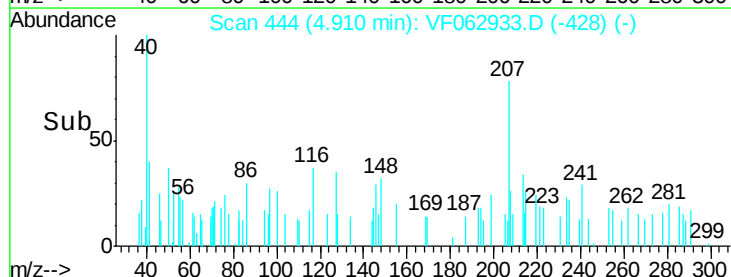
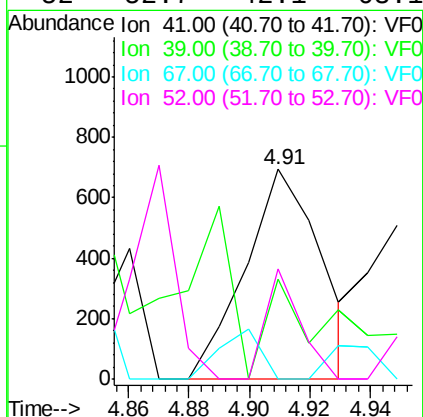
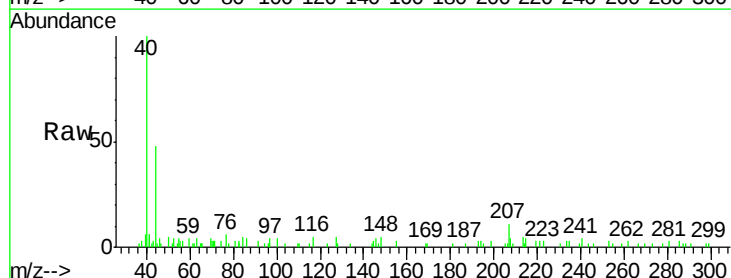
Ion Ratio Lower Upper

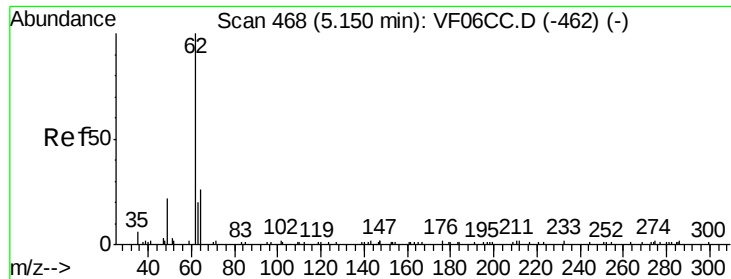
41 100

39 47.7 42.0 63.0

67 0.0 61.4 92.0#

52 52.7 42.1 63.1





#42

1,2-Dichloroethane

Concen: 1.627 ug/l

RT: 5.12 min Scan# 465

Delta R.T. -0.04 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

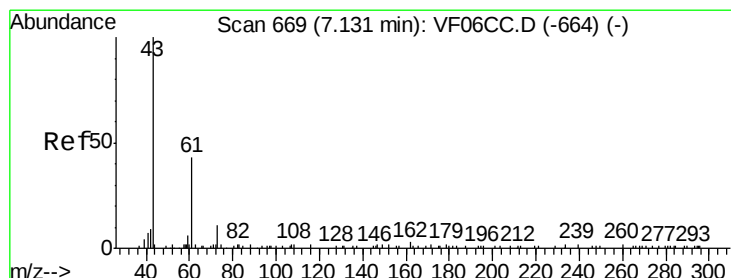
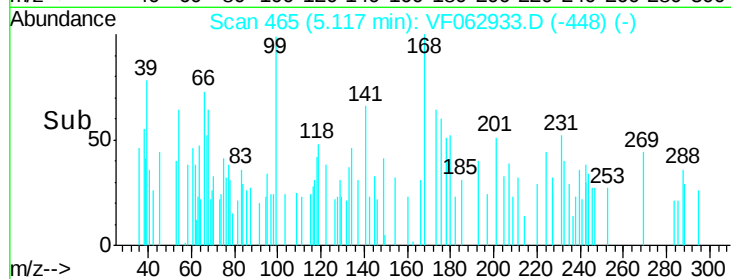
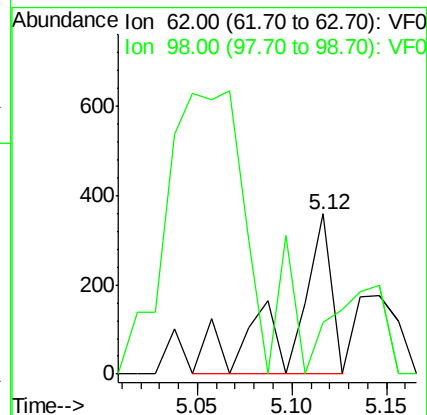
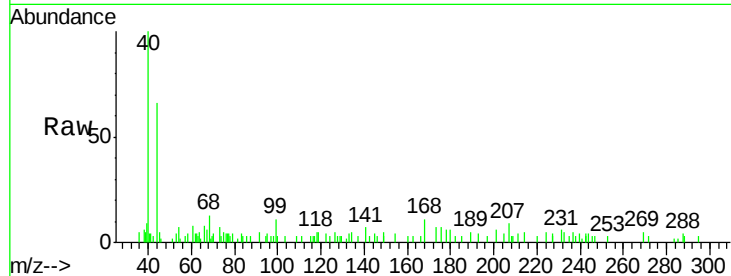
200030-200034RE

Tot Ion: 62 Resp: 539

Ion Ratio Lower Upper

62 100

98 32.0 0.0 24.0#



#43

Isopropyl Acetate

Concen: 5.040 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.04 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

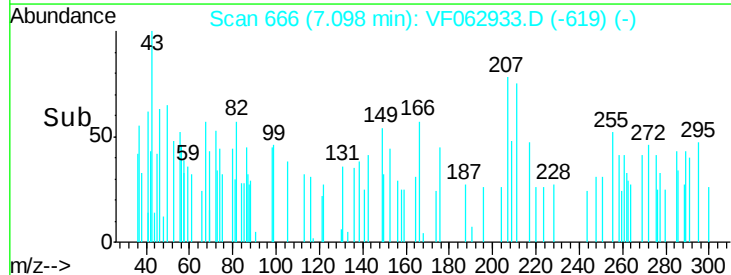
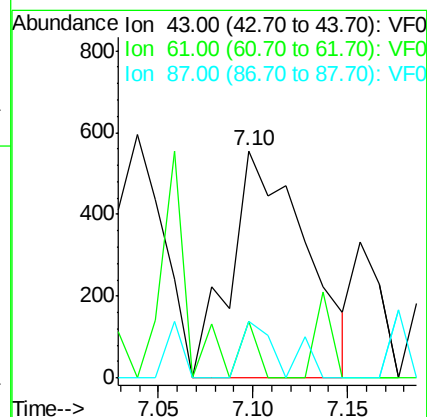
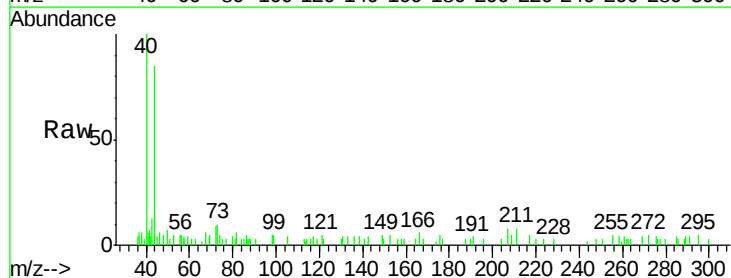
Tgt Ion: 43 Resp: 1523

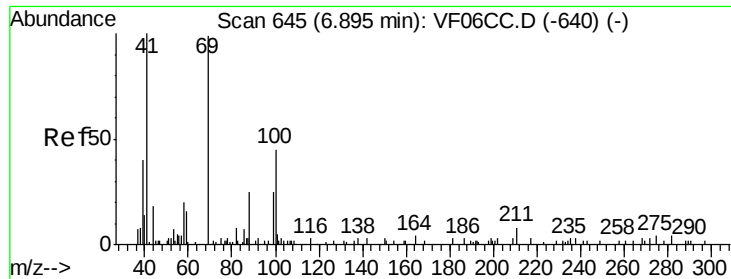
Ion Ratio Lower Upper

43 100

61 25.2 29.8 44.6#

87 25.2 0.3 0.5#

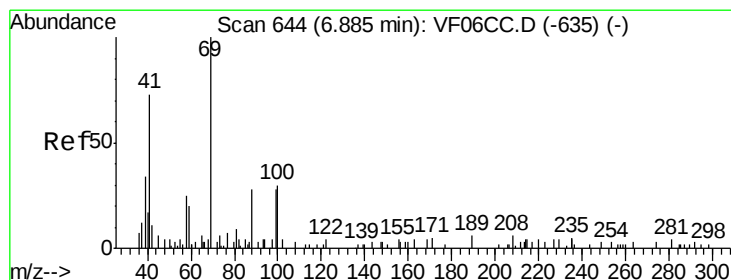
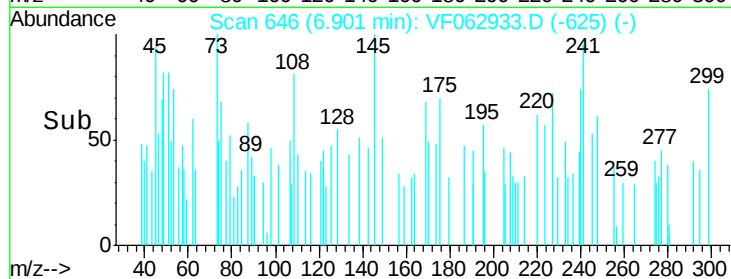
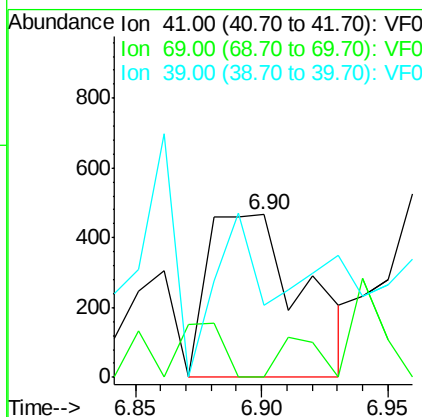
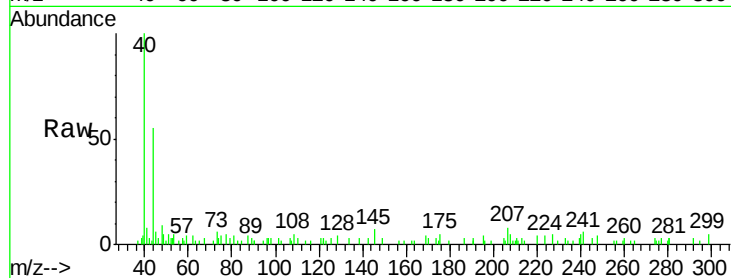




#48
Methvl methacrvlate
Concen: 7.892 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.00 min
Lab File: VF062933.D
Acq: 12 Jun 2019 17:48

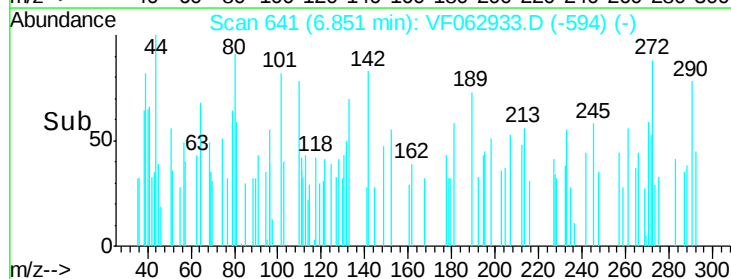
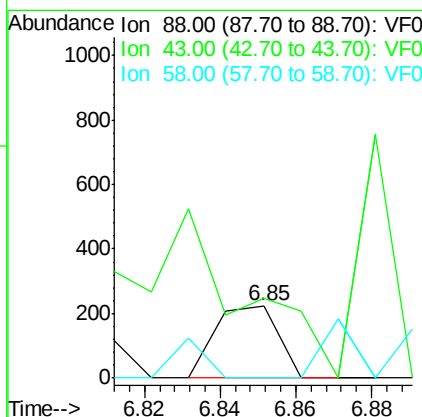
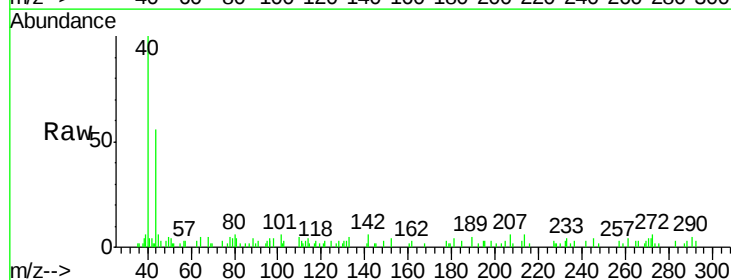
Instrument :
MSVOA_F
ClientSampleId :
200030-200034RE

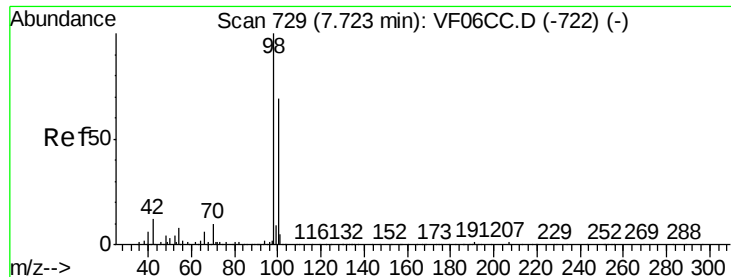
Tot Ion: 41 Resp: 1229
Ion Ratio Lower Upper
41 100
69 0.0 79.4 119.2#
39 44.4 39.8 59.6



#49
1,4-Dioxane
Concen: 124.227 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.04 min
Lab File: VF062933.D
Acq: 12 Jun 2019 17:48

Tgt Ion: 88 Resp: 255
Ion Ratio Lower Upper
88 100
43 110.3 34.8 52.2#
58 0.0 59.9 89.9#





#50

Toluene-d8

Concen: 43.699 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.03 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

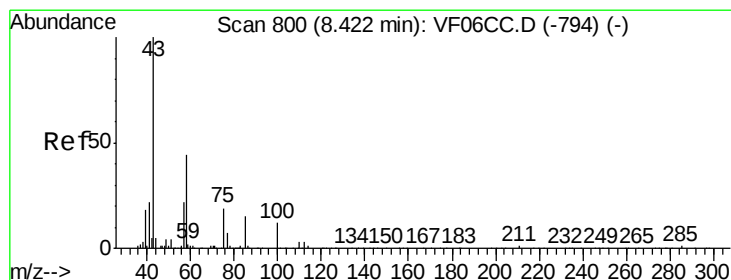
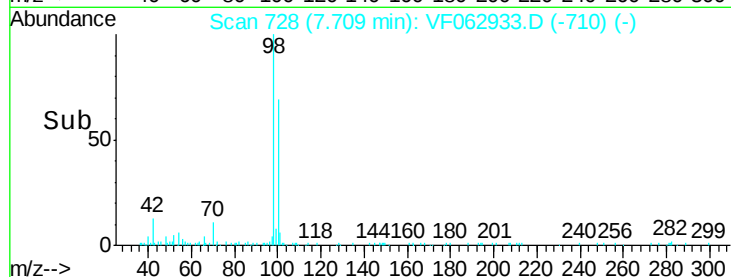
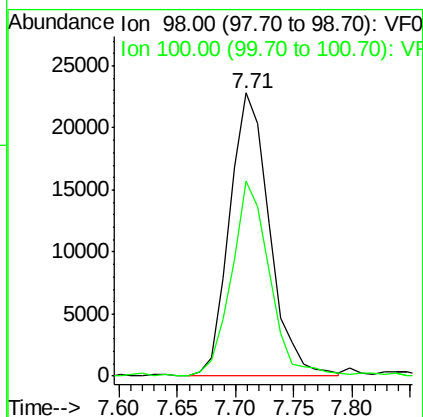
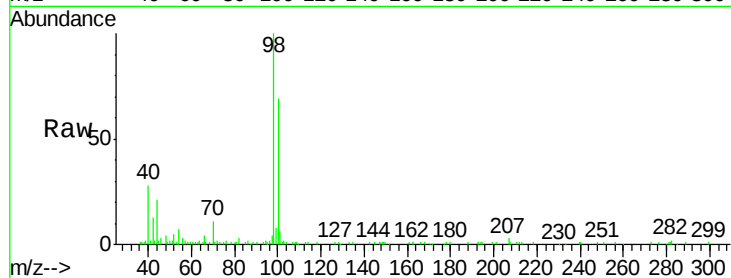
200030-200034RE

Tot Ion: 98 Resp: 54278

Ion Ratio Lower Upper

98 100

100 69.0 59.8 89.8



#51

4-Methyl-2-Pentanone

Concen: 3.889 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062933.D

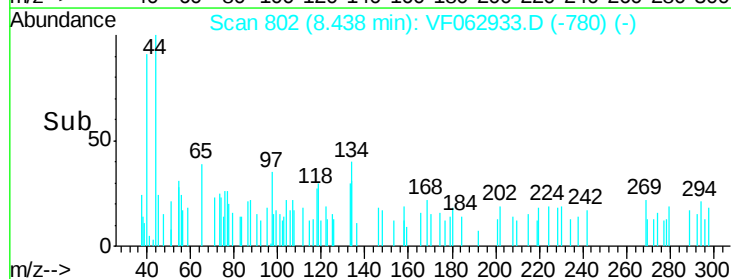
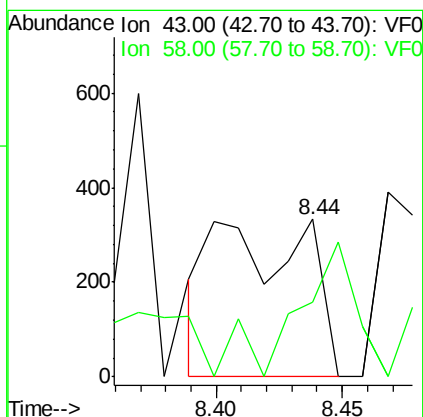
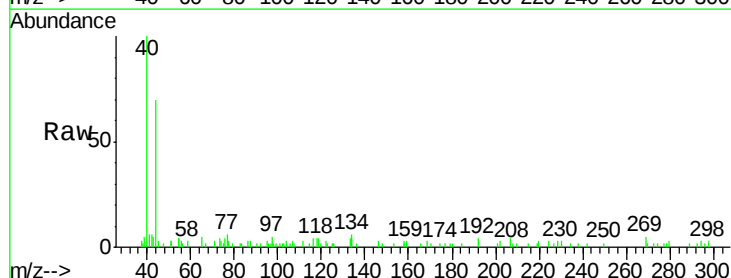
Acq: 12 Jun 2019 17:48

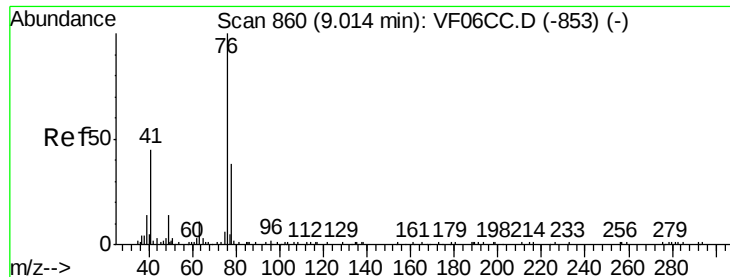
Tgt Ion: 43 Resp: 839

Ion Ratio Lower Upper

43 100

58 47.4 35.5 53.3





#57

1,3-Dichloropropane

Concen: 1.287 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.01 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

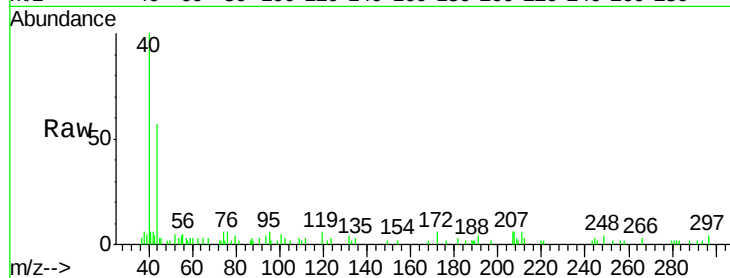
200030-200034RE

Tot Ion: 76 Resp: 589

Ion Ratio Lower Upper

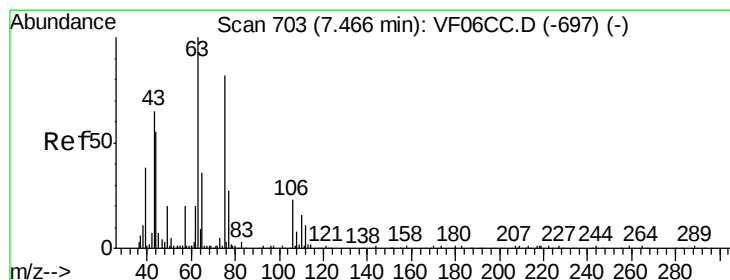
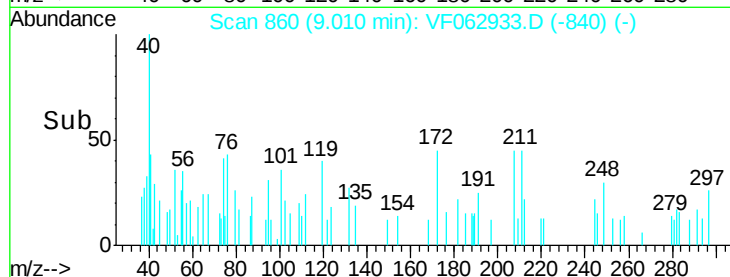
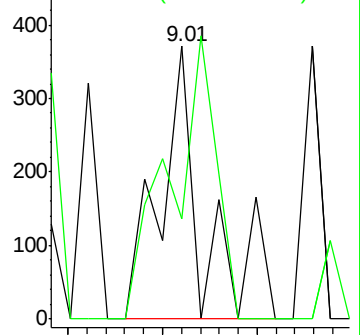
76 100

78 36.9 26.8 40.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 2.788 ug/l

RT: 7.41 min Scan# 698

Delta R.T. -0.06 min

Lab File: VF062933.D

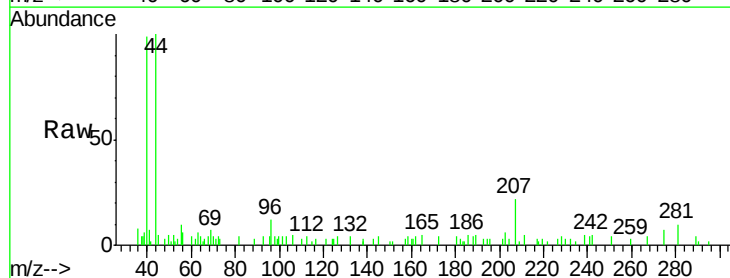
Acq: 12 Jun 2019 17:48

Tgt Ion: 63 Resp: 293

Ion Ratio Lower Upper

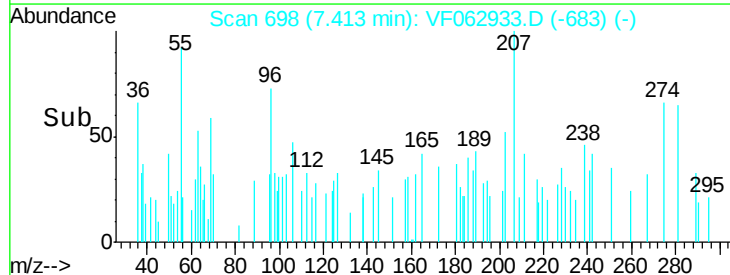
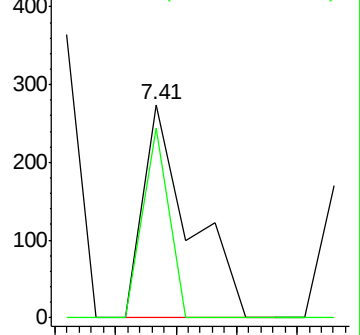
63 100

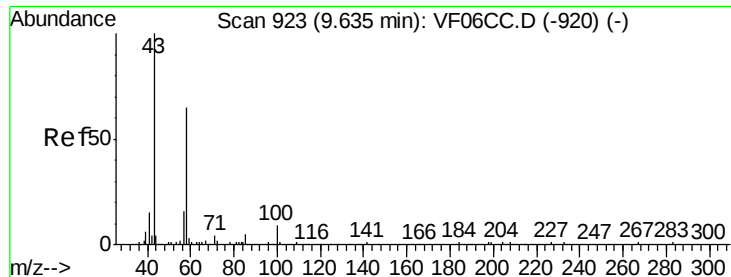
106 89.1 19.5 29.3#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

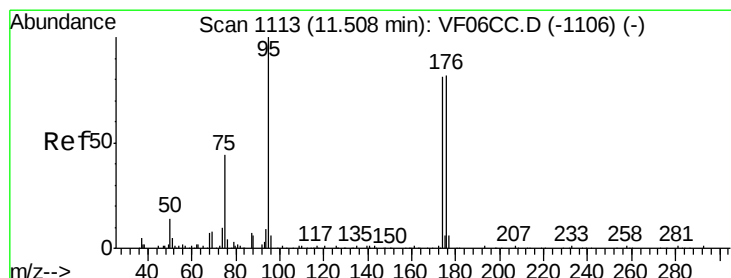
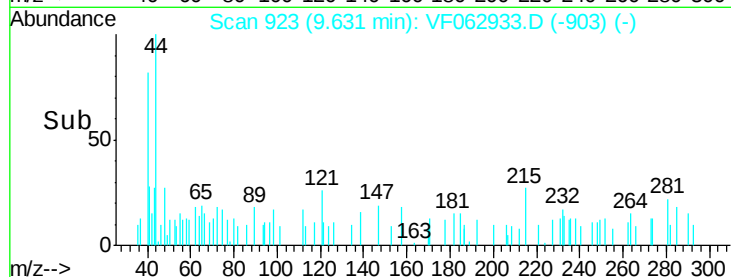
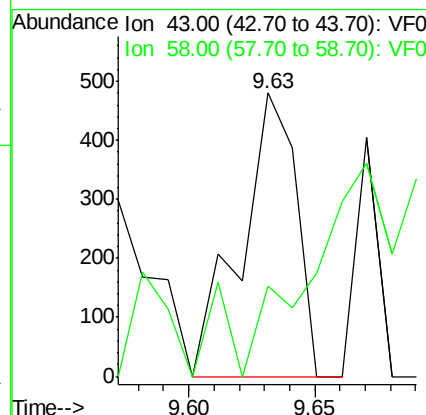
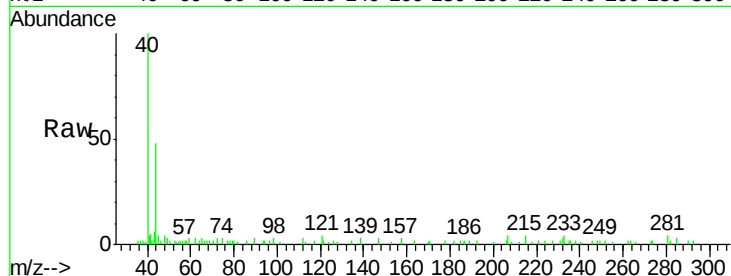




#59
2-Hexanone
Concen: 4.754 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062933.D
Acq: 12 Jun 2019 17:48

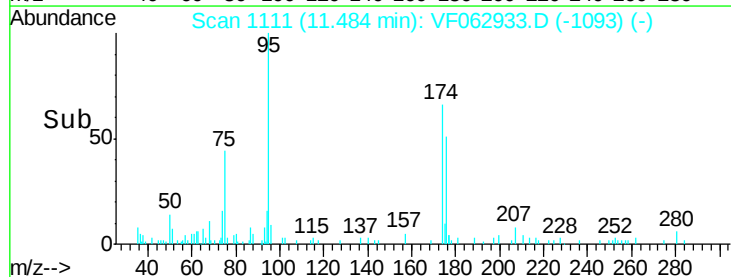
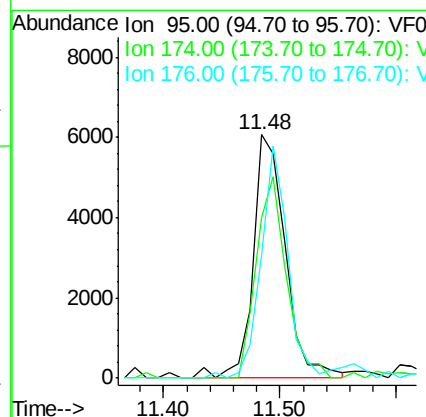
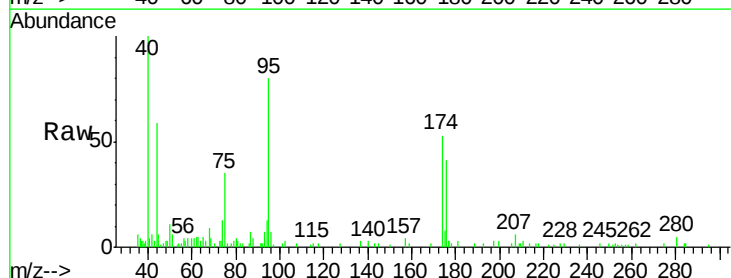
Instrument :
MSVOA_F
ClientSampleId :
200030-200034RE

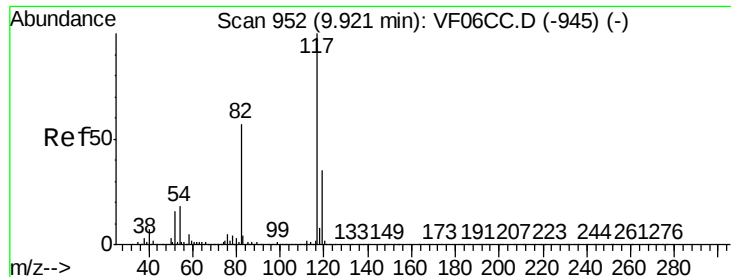
Tot Ion: 43 Resp: 731
Ion Ratio Lower Upper
43 100
58 32.1 29.3 87.9



#62
4-Bromofluorobenzene
Concen: 25.999 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. -0.03 min
Lab File: VF062933.D
Acq: 12 Jun 2019 17:48

Tgt Ion: 95 Resp: 11616
Ion Ratio Lower Upper
95 100
174 65.9 0.0 170.6
176 54.8 0.0 170.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.03 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

200030-200034RE

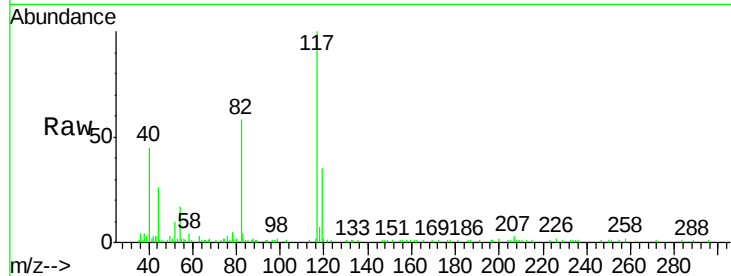
Tot Ion:117 Resp: 39662

Ion Ratio Lower Upper

117 100

82 57.7 42.4 63.6

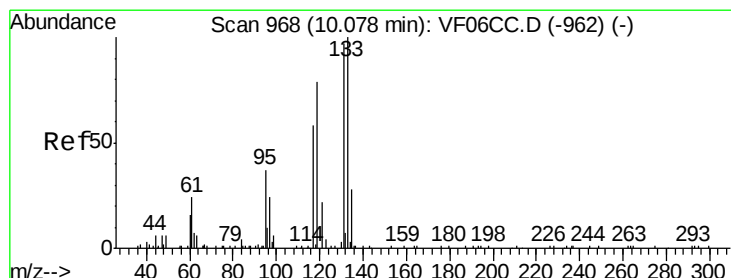
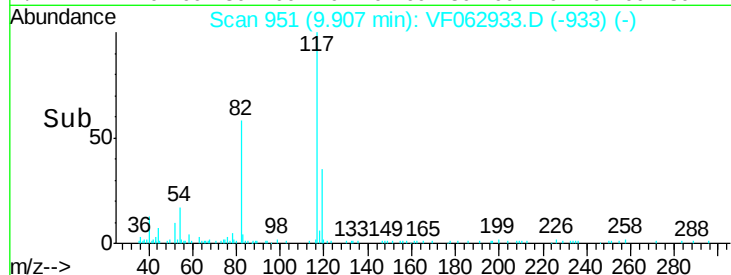
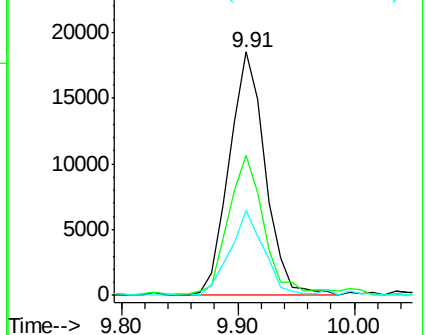
119 34.7 27.1 40.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 1.393 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.04 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

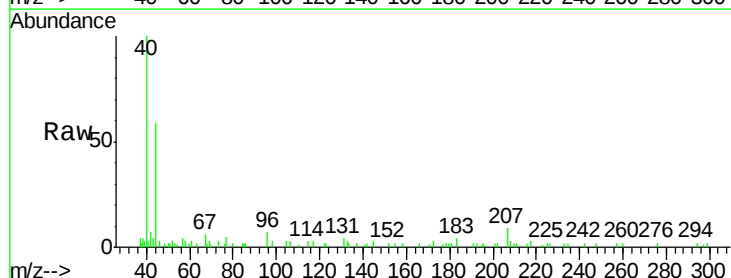
Tgt Ion:131 Resp: 425

Ion Ratio Lower Upper

131 100

133 129.6 48.9 146.7

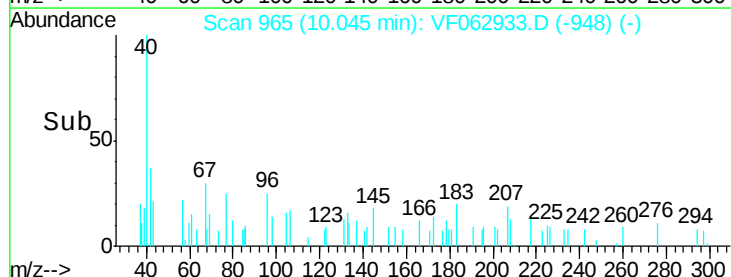
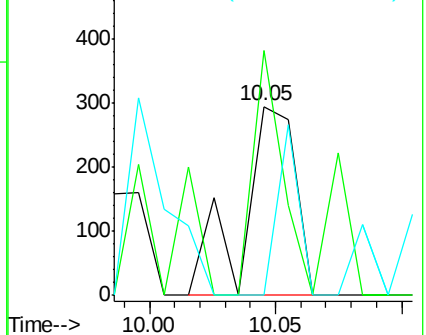
119 0.0 38.0 114.0#

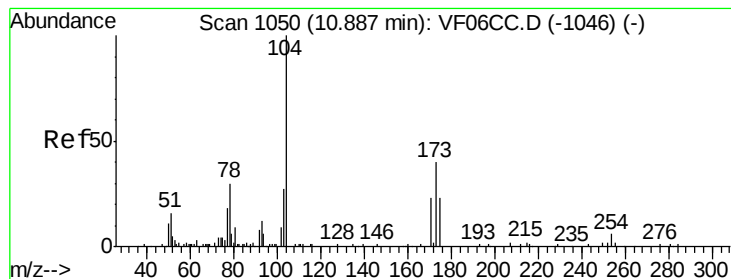


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#71

Bromoform

Concen: 1.517 ug/l

RT: 10.96 min Scan# 1058

Delta R.T. 0.06 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

200030-200034RE

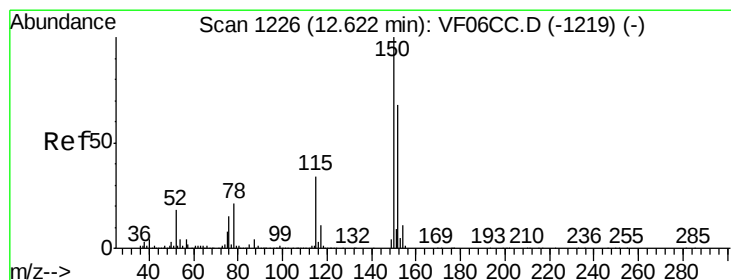
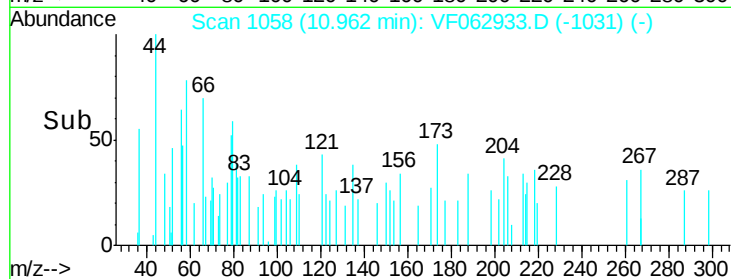
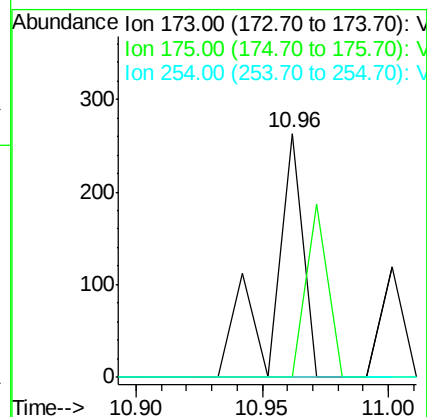
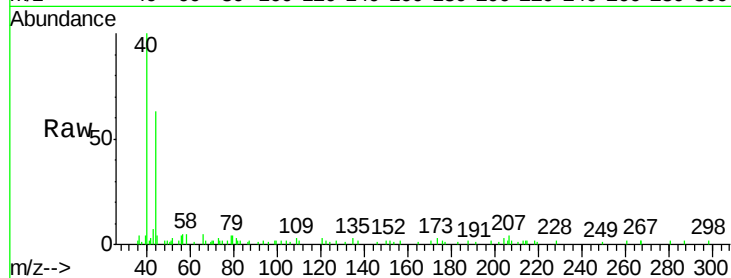
Tot Ion:173 Resp: 222

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

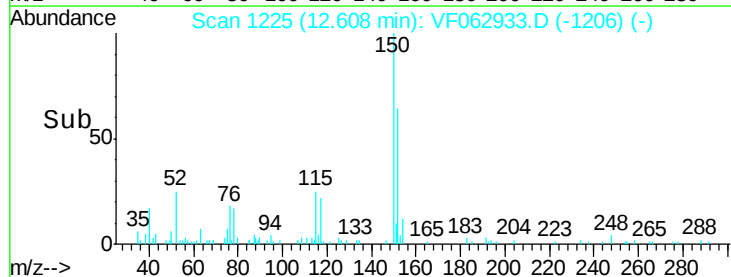
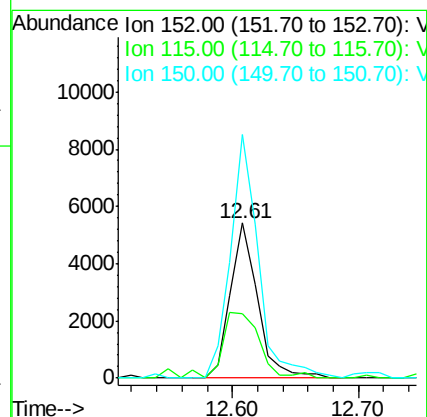
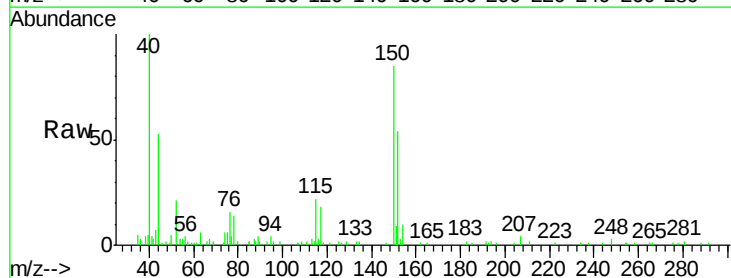
Tgt Ion:152 Resp: 8099

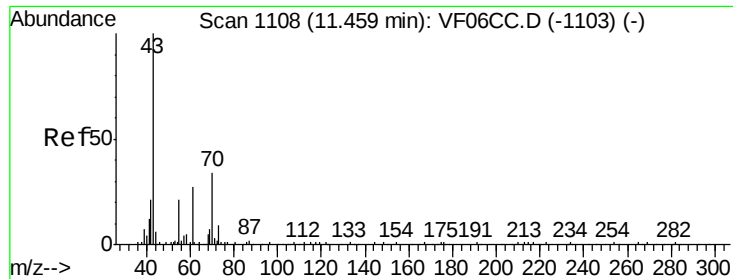
Ion Ratio Lower Upper

152 100

115 41.6 24.6 74.0

150 157.0 0.0 290.6





#74

N-amvl acetate

Concen: 5.638 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

200030-200034RE

Tot Ion: 43 Resp: 898

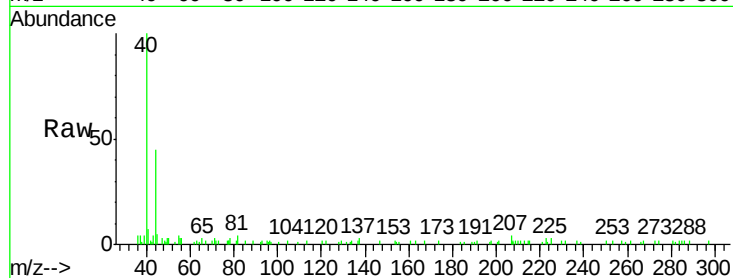
Ion Ratio Lower Upper

43 100

70 42.2 32.9 49.3

55 155.7 17.3 25.9#

61 31.1 23.7 35.5

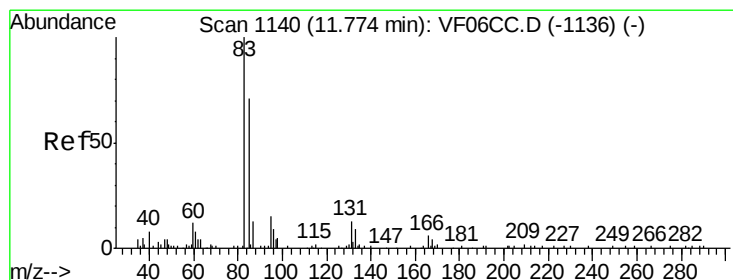
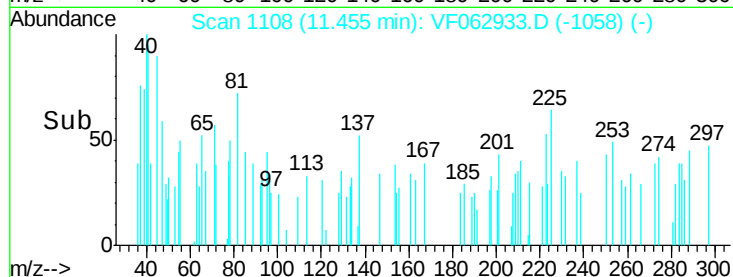
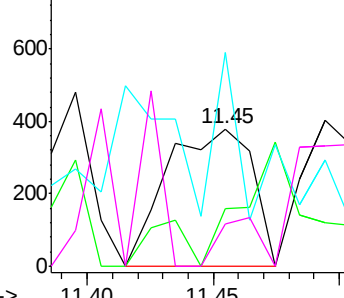


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.508 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

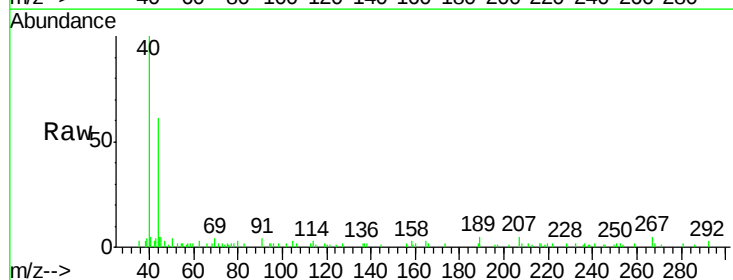
Tgt Ion: 83 Resp: 182

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

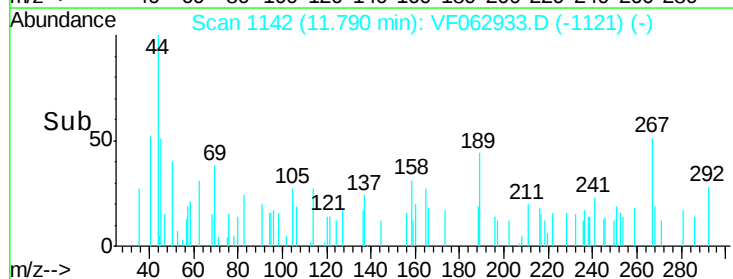
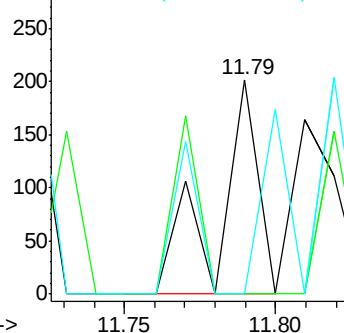
85 0.0 32.1 96.5#

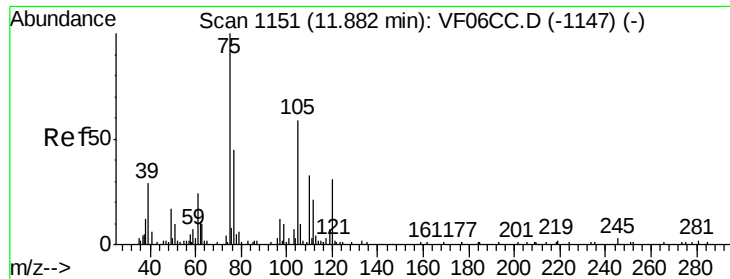


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#76

1,2,3-Trichloropropane

Concen: 3.750 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. -0.04 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

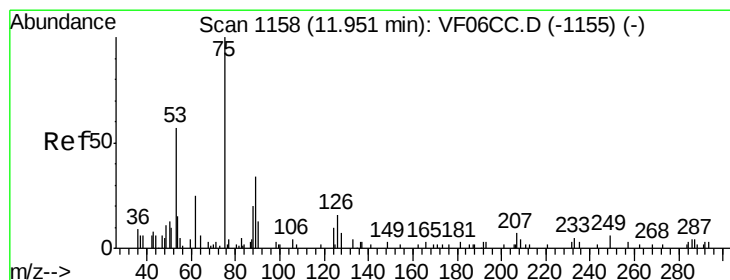
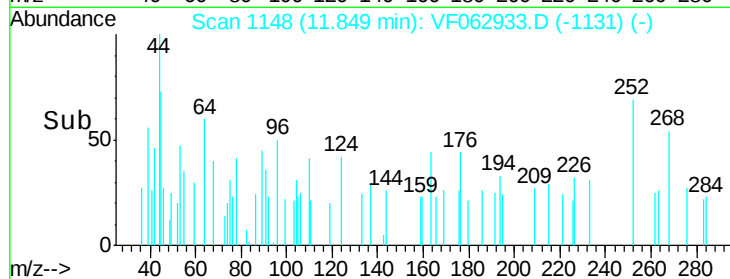
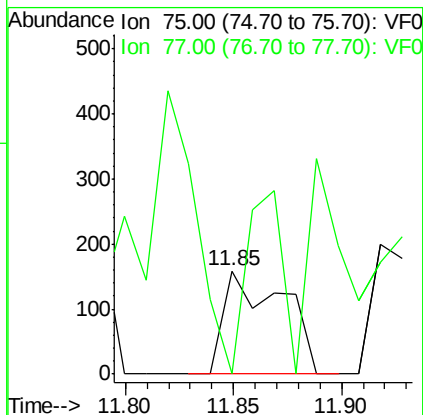
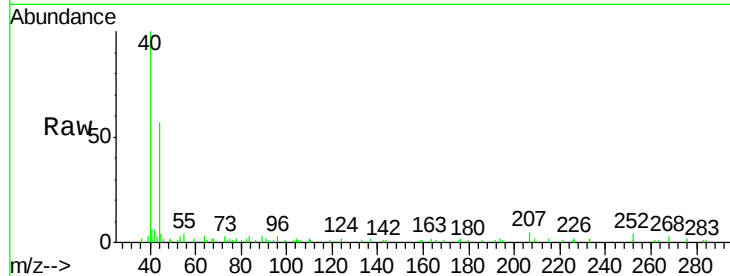
200030-200034RE

Tot Ion: 75 Resp: 300

Ion Ratio Lower Upper

75 100

77 0.0 20.1 60.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 11.722 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

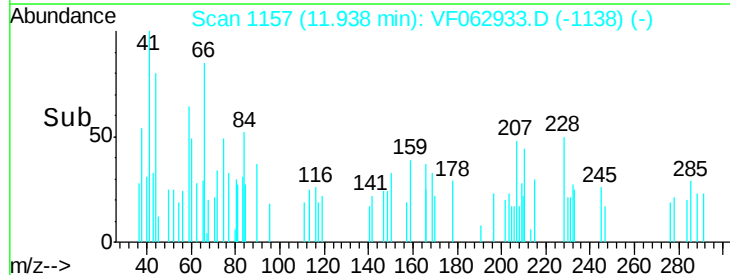
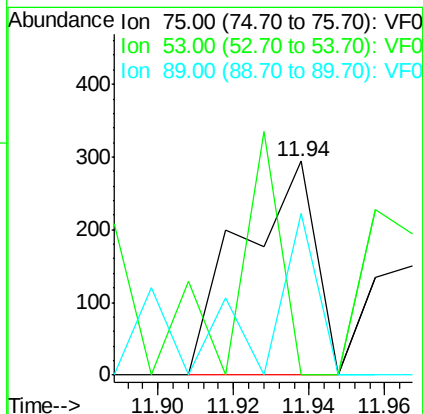
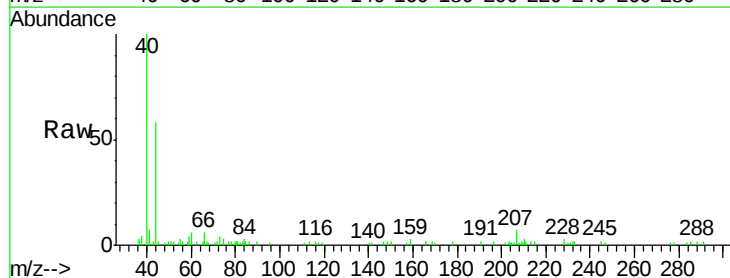
Tgt Ion: 75 Resp: 397

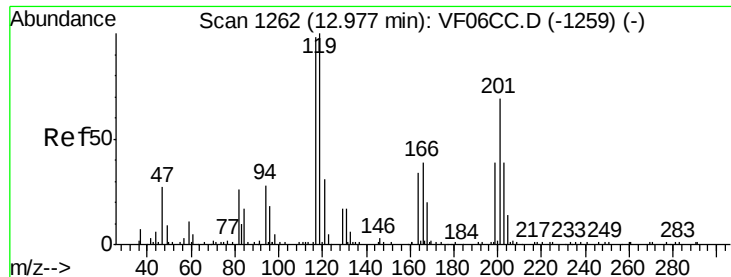
Ion Ratio Lower Upper

75 100

53 0.0 43.5 65.3#

89 75.5 34.3 51.5#





#90

Hexachloroethane

Concen: 2.351 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.07 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

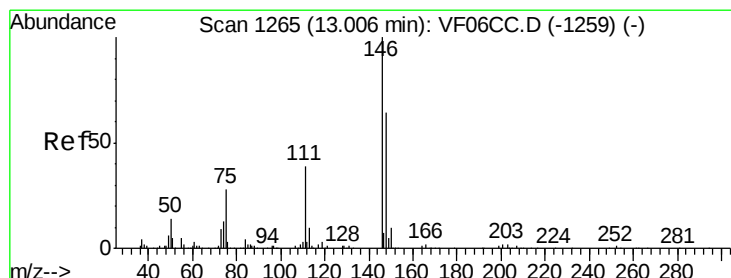
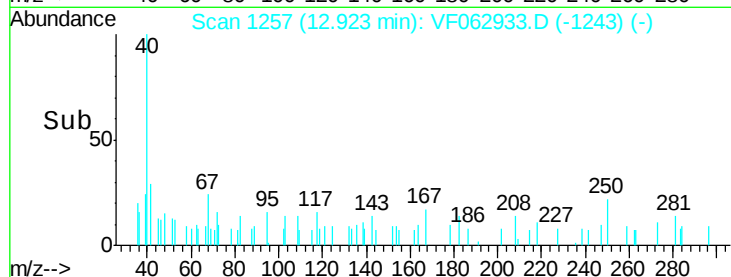
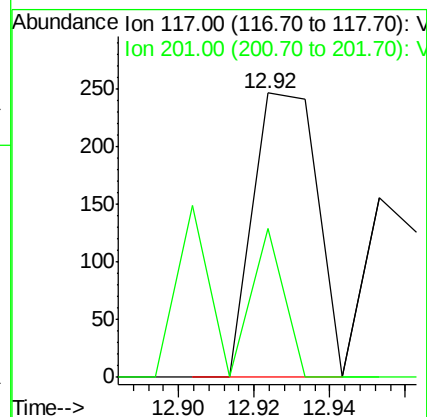
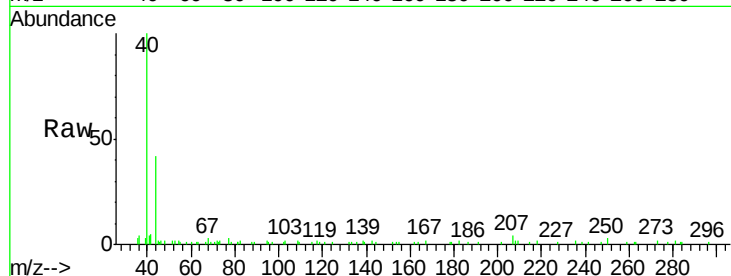
200030-200034RE

Tot Ion:117 Resp: 288

Ion Ratio Lower Upper

117 100

201 52.0 38.9 116.7



#91

1,2-Dichlorobenzene

Concen: 1.136 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.02 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

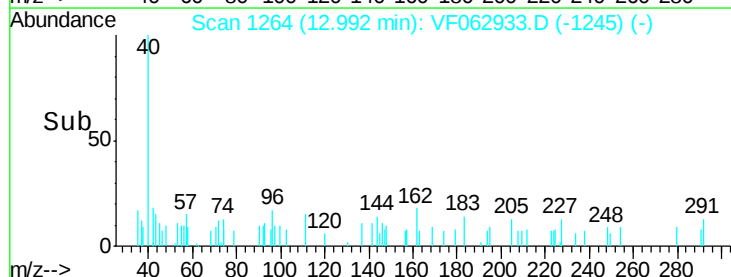
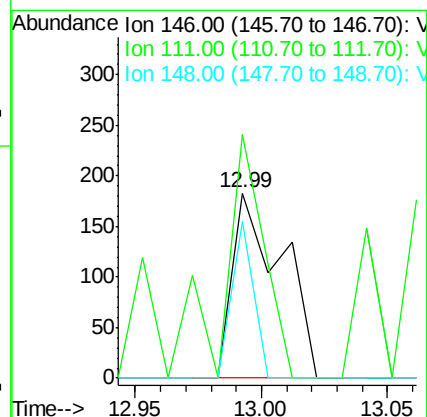
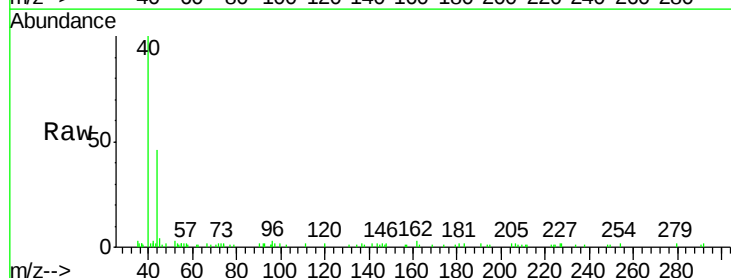
Tgt Ion:146 Resp: 250

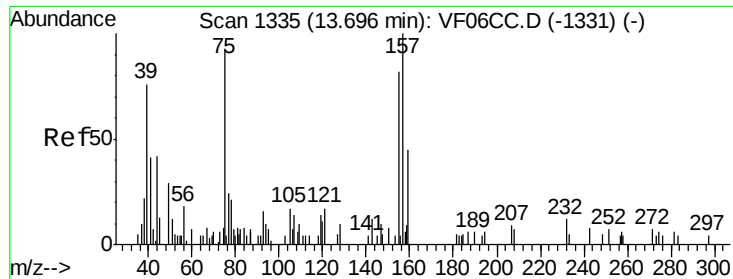
Ion Ratio Lower Upper

146 100

111 131.7 20.4 61.3#

148 84.7 34.1 102.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 20.079 ug/l

RT: 13.67 min Scan# 1333

Delta R.T. -0.03 min

Lab File: VF062933.D

Acq: 12 Jun 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

200030-200034RE

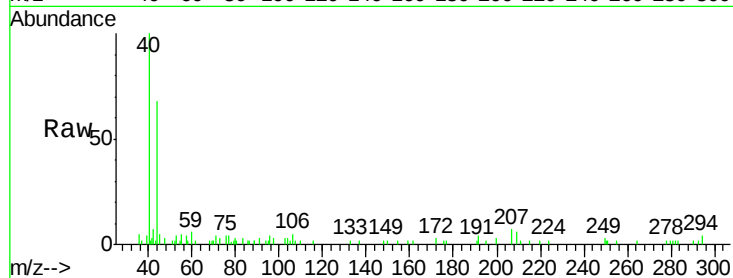
Tot Ion: 75 Resp: 264

Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.1#

157 0.0 66.8 200.6#



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

