

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062866.D
 Acq On : 5 Jun 2019 15:38
 Operator : FY/SY
 Sample : K3163-01RE
 Misc : 5.97g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 06 08:01:54 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	5.08	168	696173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1214735	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1013903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	369558	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	196937	40.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.82%	
35) Dibromofluoromethane	4.33	113	381374	41.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.10%	
50) Toluene-d8	7.73	98	791303	34.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	68.18%	
62) 4-Bromofluorobenzene	11.50	95	293438	35.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.28%	

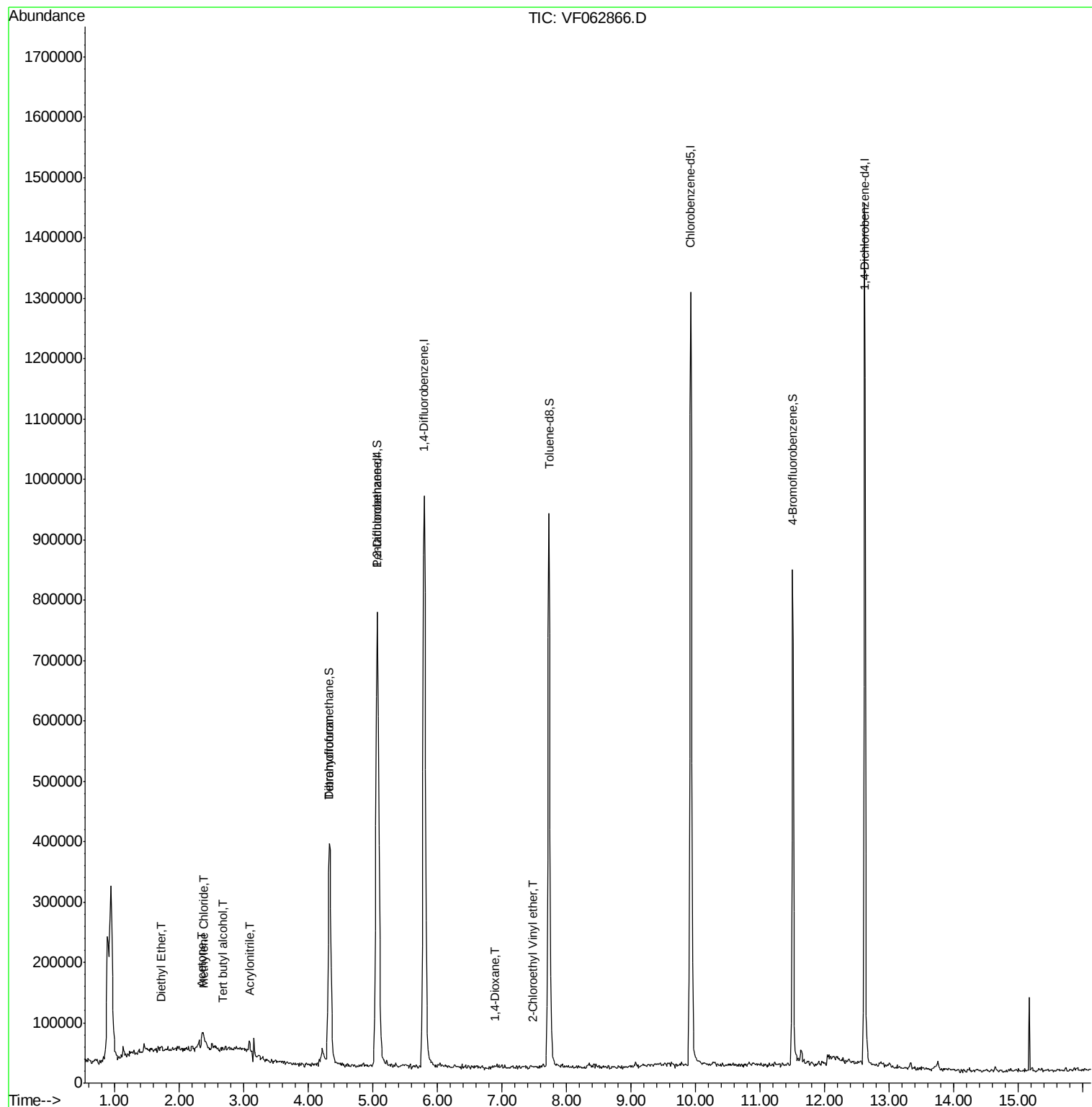
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.90	85	393	Below Cal		97
8) Diethyl Ether	1.73	74	2806	1.407	ug/l	82
11) Tert butyl alcohol	2.68	59	784	2.688	ug/l #	1
13) Acrolein	2.11	56	288	Below Cal	#	71
15) Acrylonitrile	3.08	53	1405	1.282	ug/l #	81
16) Acetone	2.37	43	25852	23.463	ug/l	91
20) Methylene Chloride	2.38	84	21798	1.026	ug/l	93
29) Tetrahydrofuran	4.33	42	2068	2.107	ug/l #	29
49) 1,4-Dioxane	6.88	88	248	6.465	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.48	63	2301	1.172	ug/l #	76

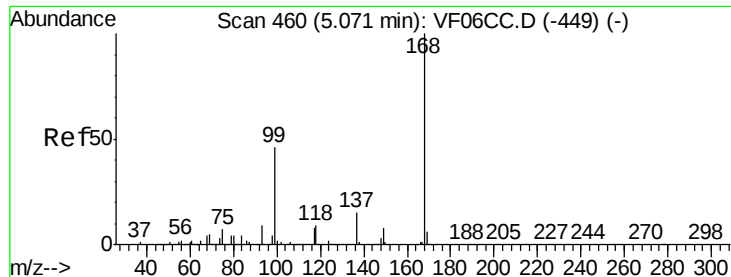
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060519\
Data File : VF062866.D
Acq On : 5 Jun 2019 15:38
Operator : FY/SY
Sample : K3163-01RE
Misc : 5.97a/5mL/MSVOA F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 06 08:01:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.00 min

Lab File: VF062866.D

Acq: 5 Jun 2019 15:38

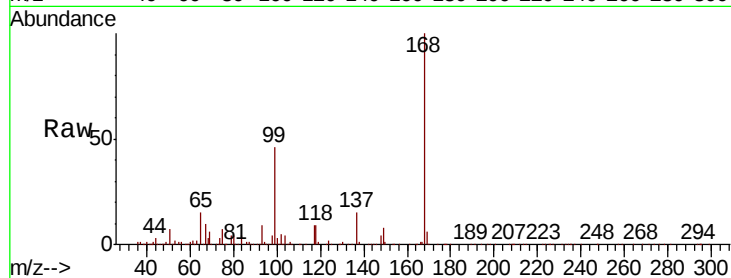
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 696173

Ion Ratio Lower Upper

168 100

99 45.7 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

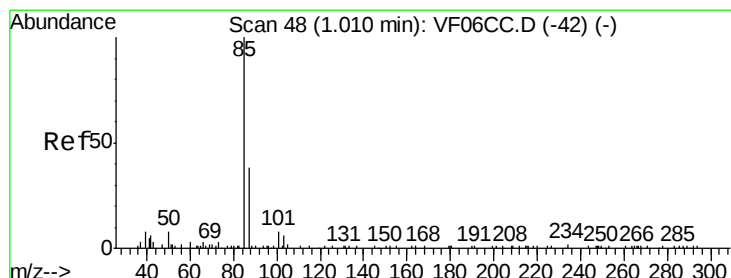
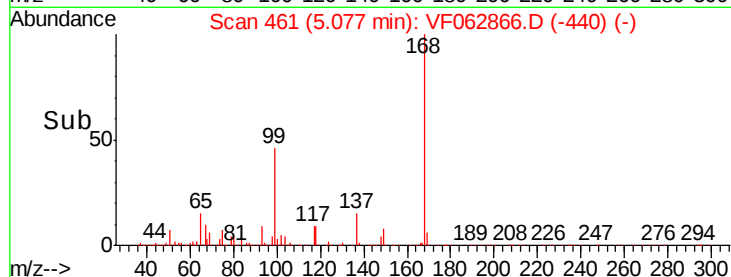
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.90 min Scan# 37

Delta R.T. -0.11 min

Lab File: VF062866.D

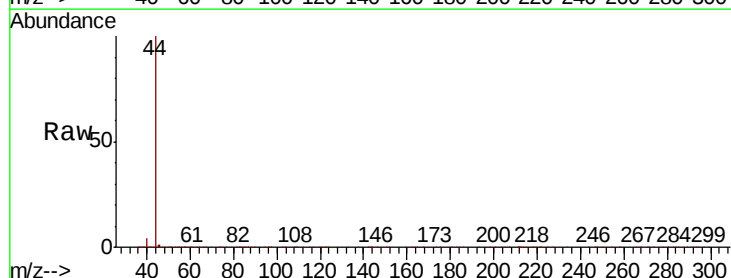
Acq: 5 Jun 2019 15:38

Tgt Ion: 85 Resp: 393

Ion Ratio Lower Upper

85 100

87 37.0 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.90

400

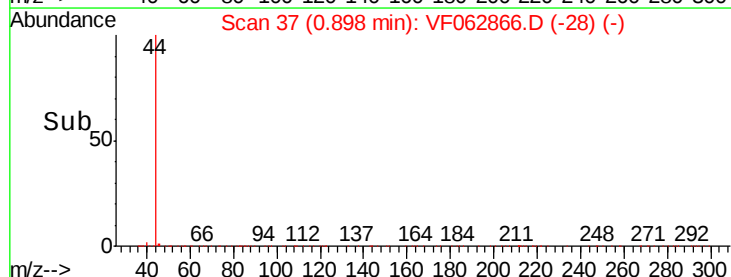
300

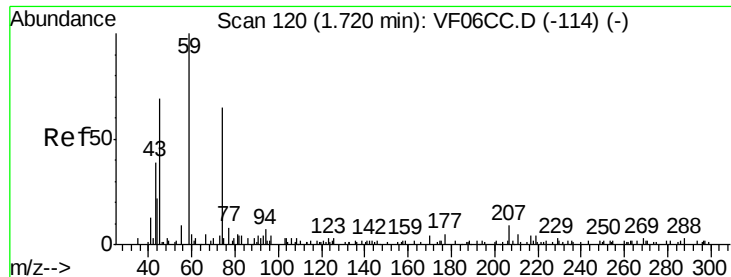
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.407 ug/l

RT: 1.73 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF062866.D

Acq: 5 Jun 2019 15:38

Instrument :

MSVOA_F

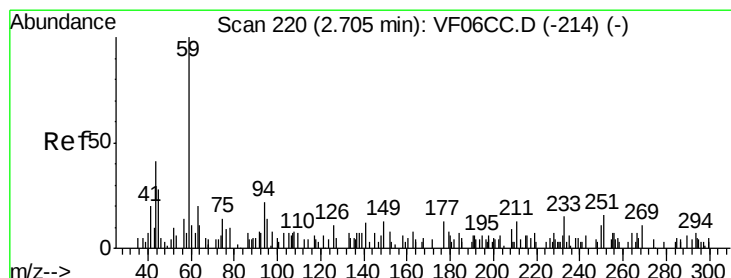
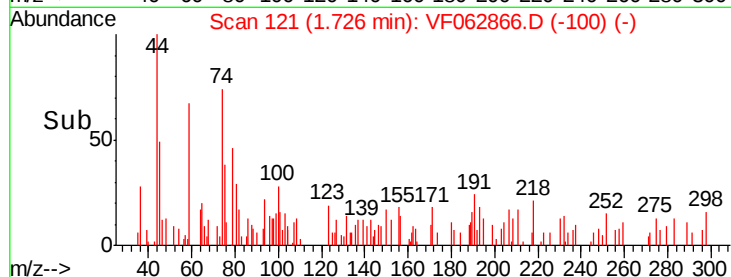
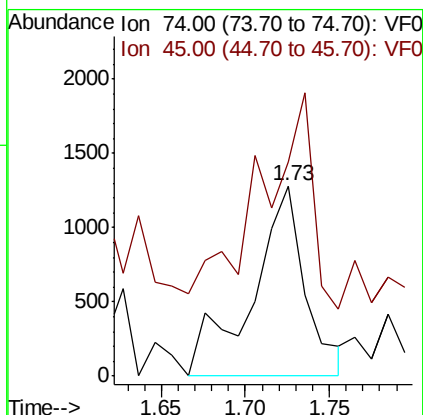
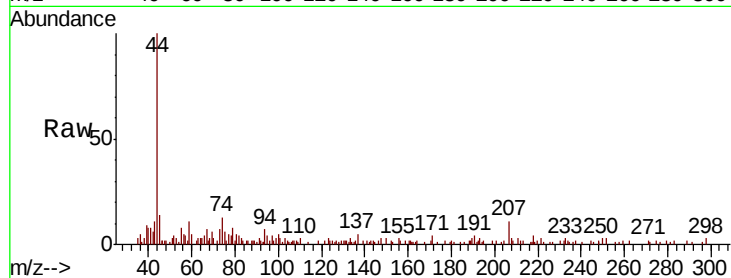
ClientSampled :

Tot Ion: 74 Resp: 2806

Ion Ratio Lower Upper

74 100

45 112.7 47.5 142.5



#11

Tert butyl alcohol

Concen: 2.688 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.04 min

Lab File: VF062866.D

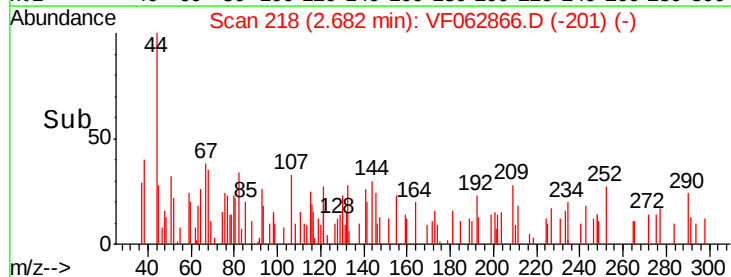
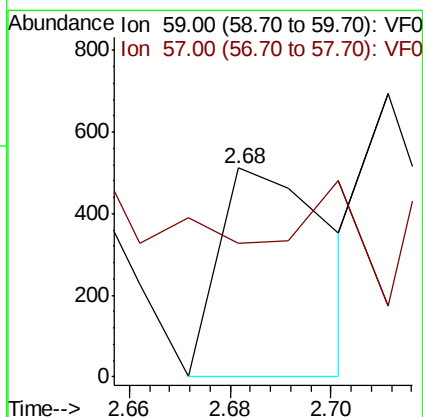
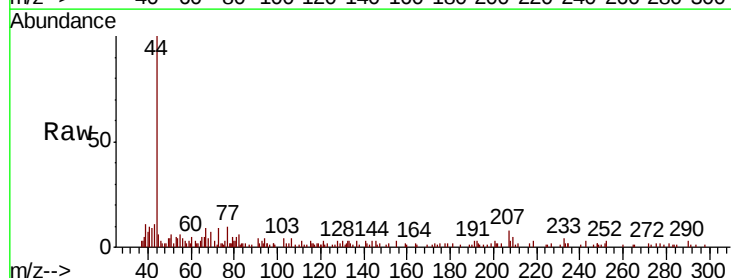
Acq: 5 Jun 2019 15:38

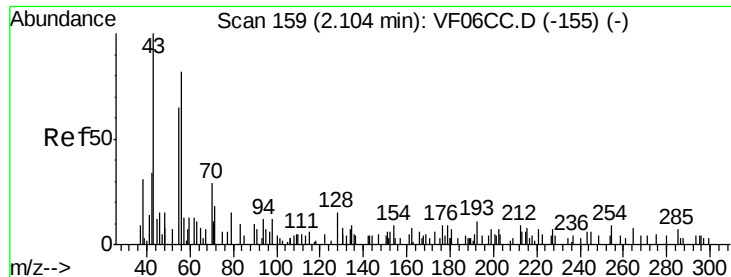
Tgt Ion: 59 Resp: 784

Ion Ratio Lower Upper

59 100

57 63.7 9.2 13.8#





#13

Acrolein

Concen: Below Cal

RT: 2.11 min Scan# 160

Delta R.T. -0.01 min

Lab File: VF062866.D

Acq: 5 Jun 2019 15:38

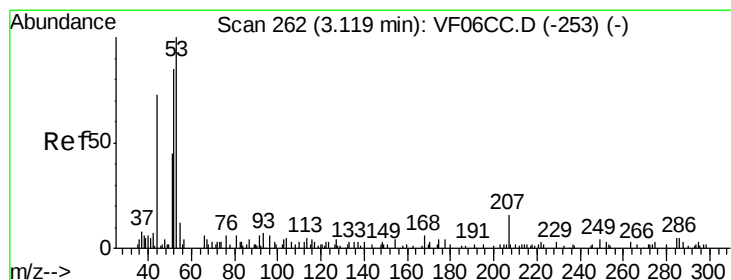
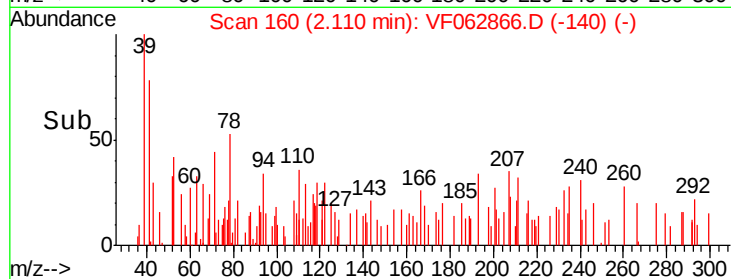
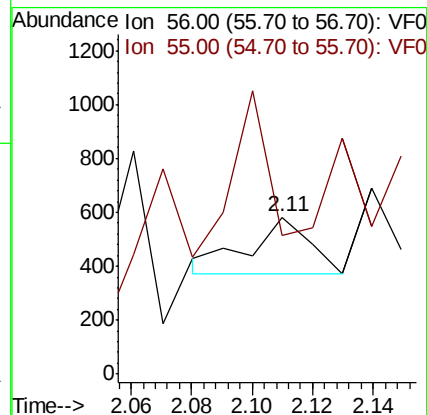
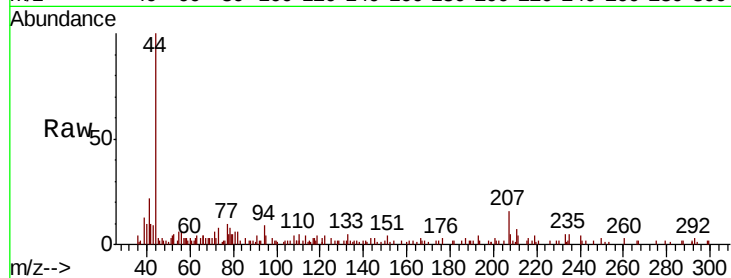
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 288

Ion Ratio Lower Upper

56 100

55 88.8 52.9 79.3#



#15

Acrylonitrile

Concen: 1.282 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.04 min

Lab File: VF062866.D

Acq: 5 Jun 2019 15:38

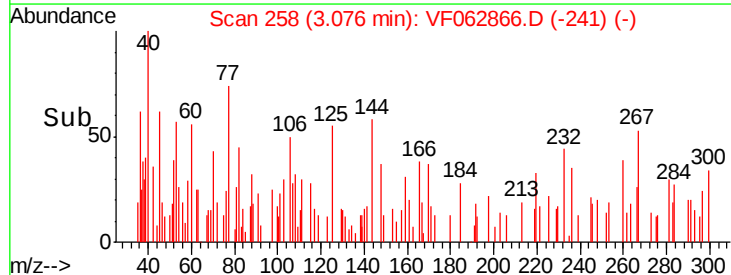
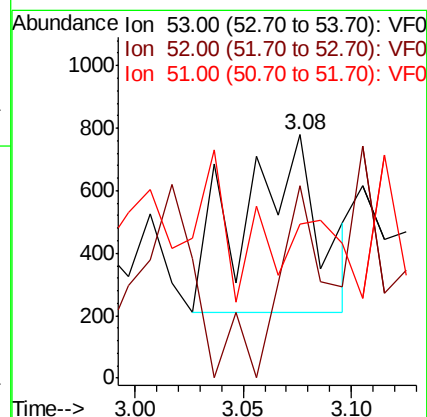
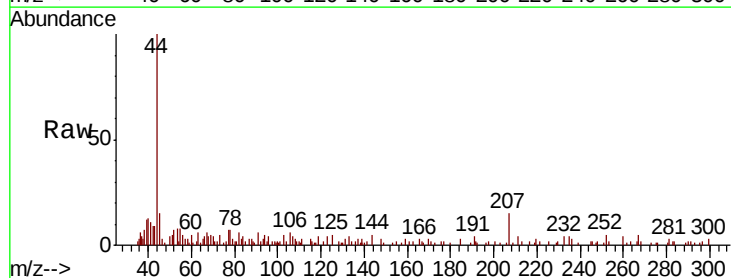
Tgt Ion: 53 Resp: 1405

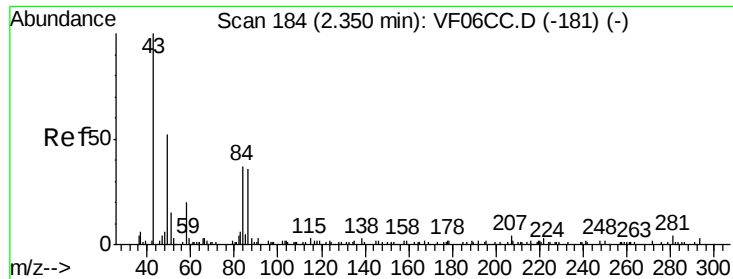
Ion Ratio Lower Upper

53 100

52 79.3 68.1 102.1

51 63.3 27.7 41.5#





#16

Acetone

Concen: 23.463 ug/l

RT: 2.37 min Scan# 186

Delta R.T. 0.00 min

Lab File: VF062866.D

Acq: 5 Jun 2019 15:38

Instrument :

MSVOA_F

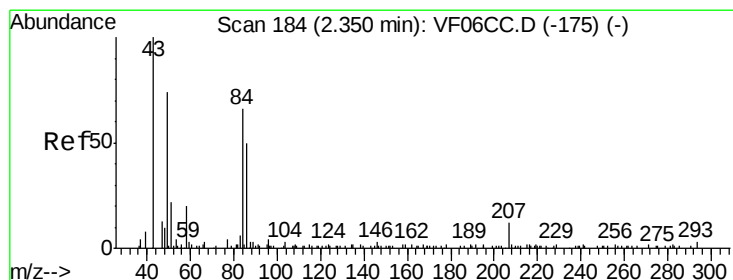
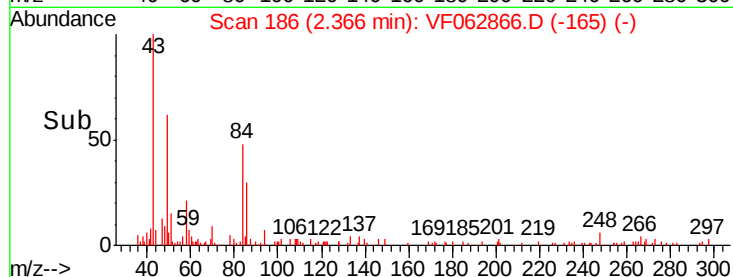
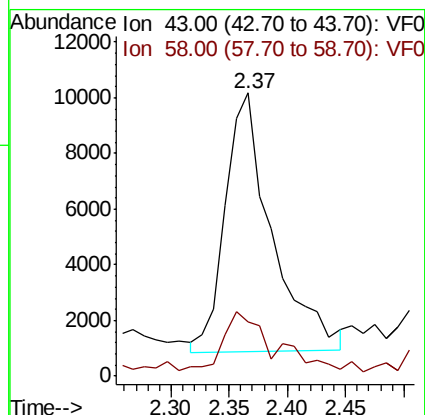
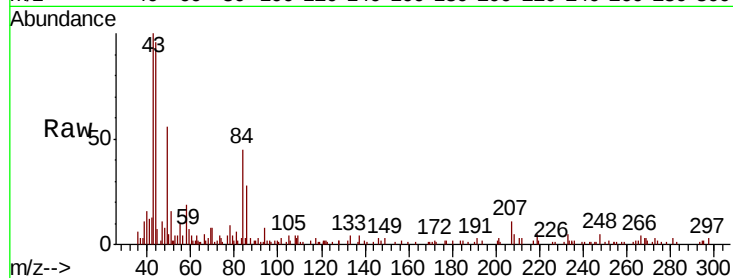
ClientSampleId :

Tot Ion: 43 Resp: 25852

Ion Ratio Lower Upper

43 100

58 19.2 19.0 28.4



#20

Methylene Chloride

Concen: 1.026 ug/l

RT: 2.38 min Scan# 187

Delta R.T. 0.01 min

Lab File: VF062866.D

Acq: 5 Jun 2019 15:38

Tgt Ion: 84 Resp: 21798

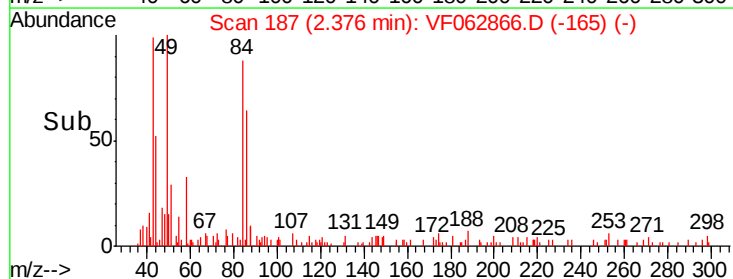
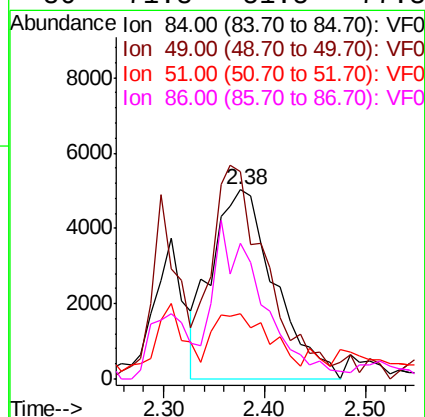
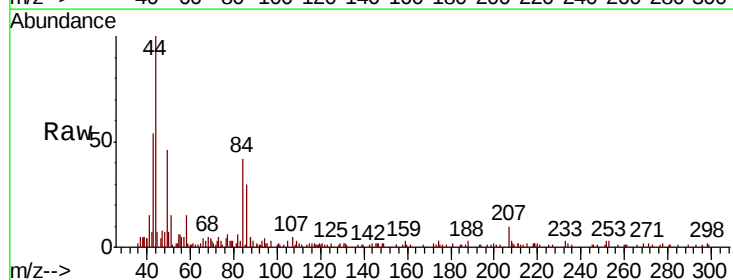
Ion Ratio Lower Upper

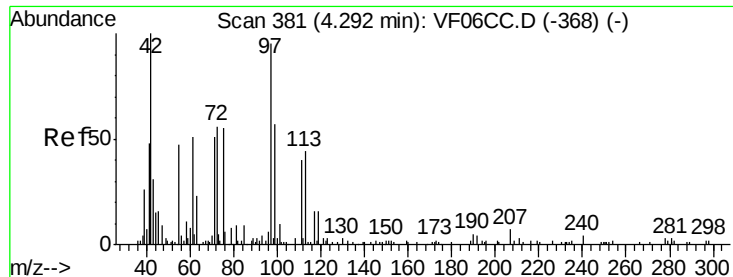
84 100

49 109.5 82.6 123.8

51 34.6 25.0 37.4

86 71.8 51.5 77.3

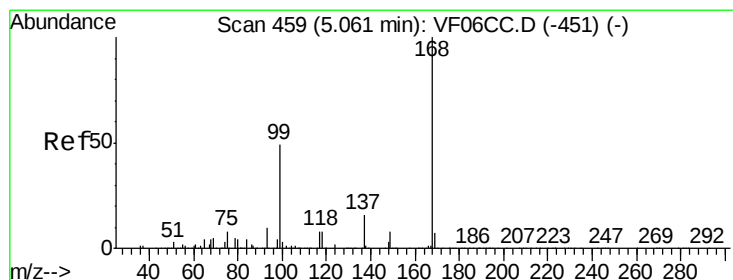
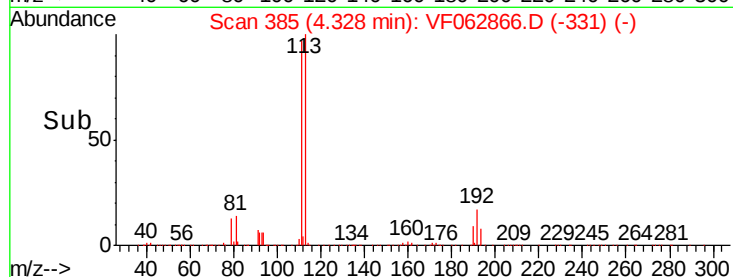
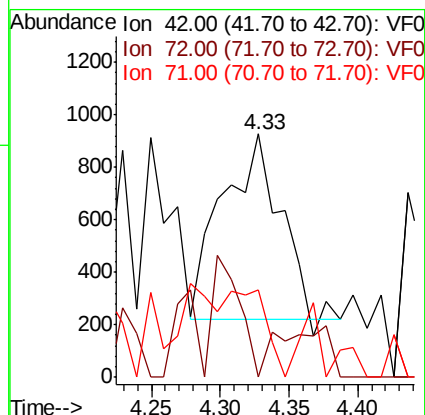
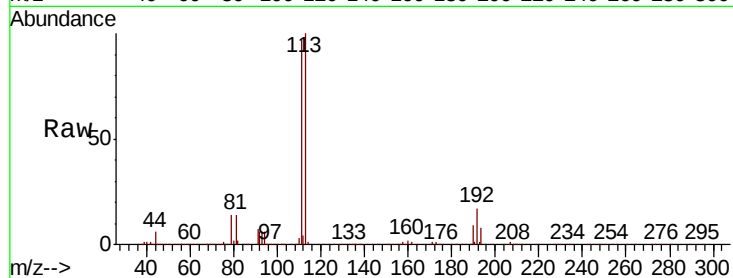




#29
Tetrahydrofuran
Concen: 2.107 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.03 min
Lab File: VF062866.D
Acq: 5 Jun 2019 15:38

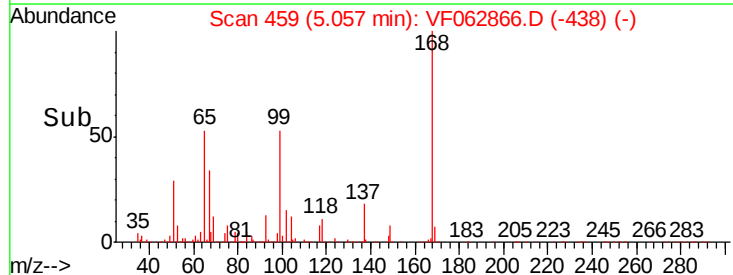
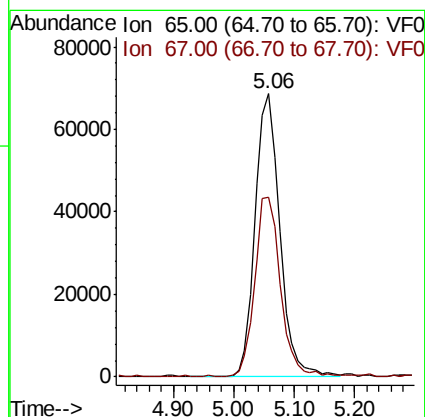
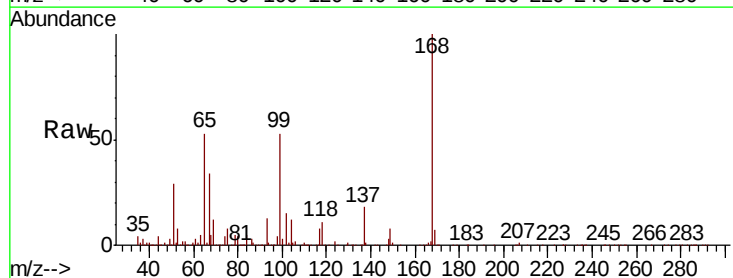
Instrument :
MSVOA_F
ClientSampled :

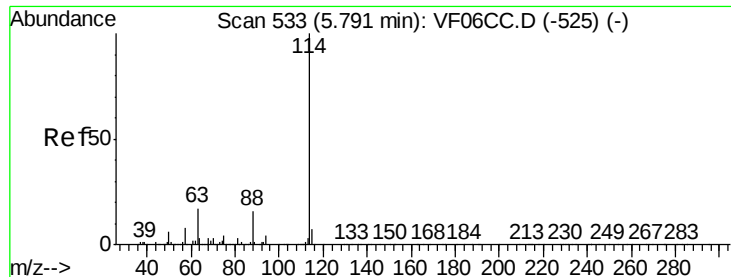
Tot Ion: 42 Resp: 2068
Ion Ratio Lower Upper
42 100
72 0.0 39.0 58.6#
71 0.0 36.9 55.3#



#33
1,2-Dichloroethane-d4
Concen: 40.909 ug/l
RT: 5.06 min Scan# 459
Delta R.T. 0.00 min
Lab File: VF062866.D
Acq: 5 Jun 2019 15:38

Tgt Ion: 65 Resp: 196937
Ion Ratio Lower Upper
65 100
67 63.5 0.0 121.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.01 min

Lab File: VF062866.D

Acq: 5 Jun 2019 15:38

Instrument :

MSVOA_F

ClientSampleId :

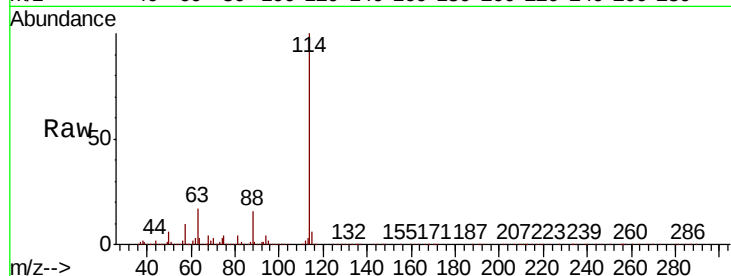
Tot Ion:114 Resp: 1214735

Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.2

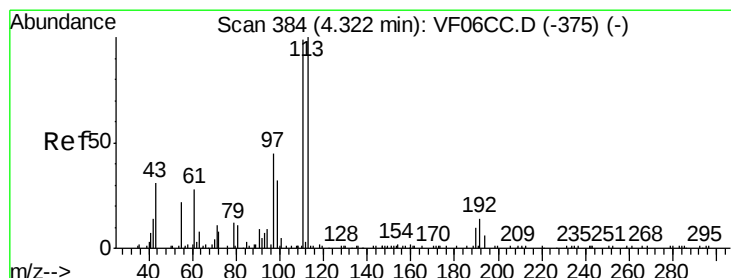
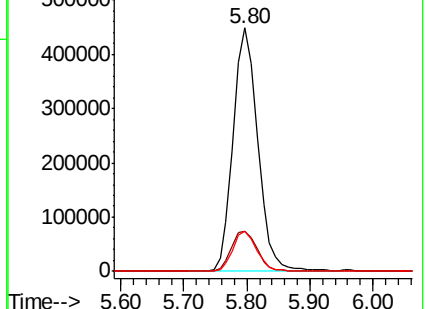
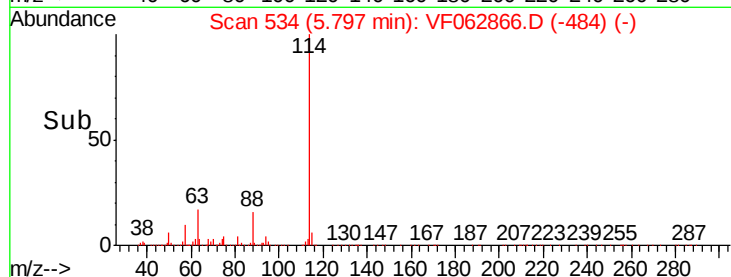
88 16.4 0.0 31.2



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: 41.548 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VF062866.D

Acq: 5 Jun 2019 15:38

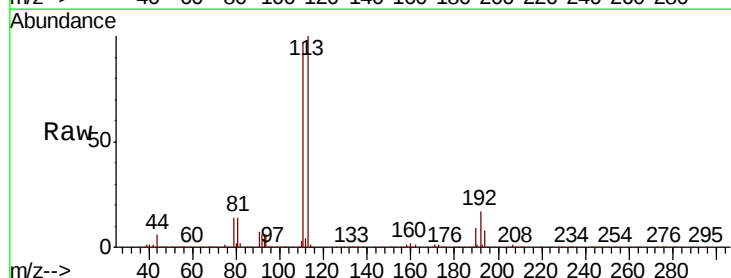
Tgt Ion:113 Resp: 381374

Ion Ratio Lower Upper

113 100

111 97.0 81.9 122.9

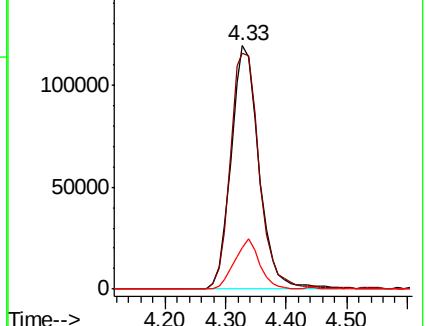
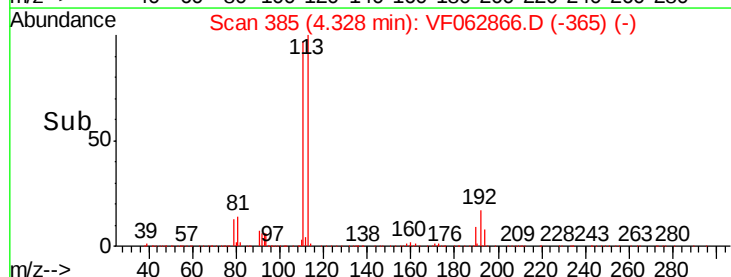
192 17.2 15.1 22.7

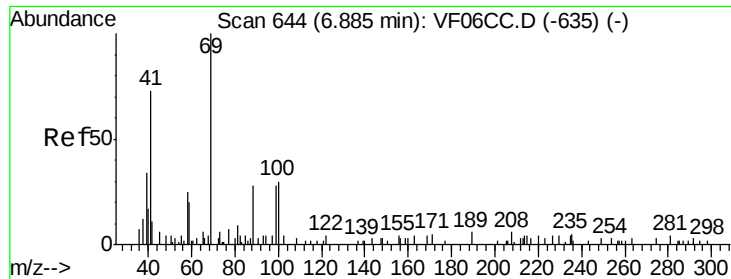


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

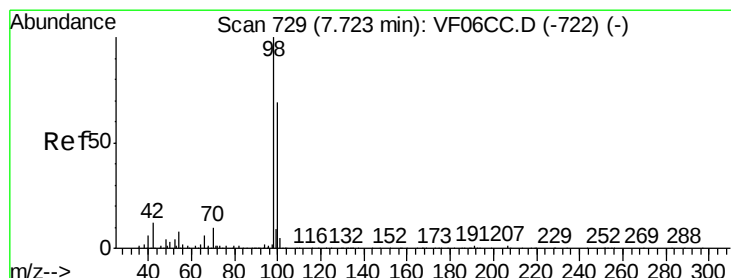
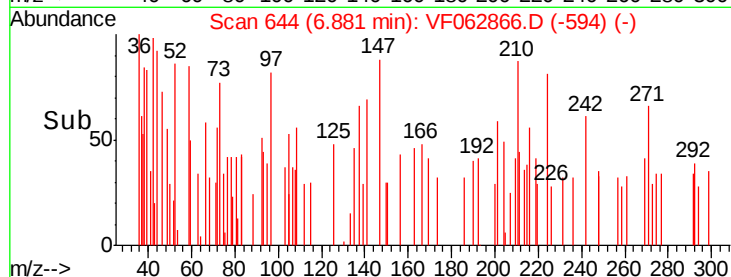
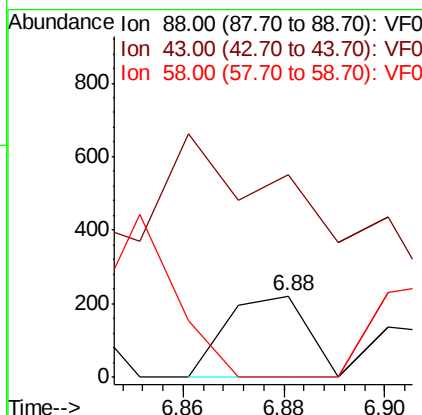
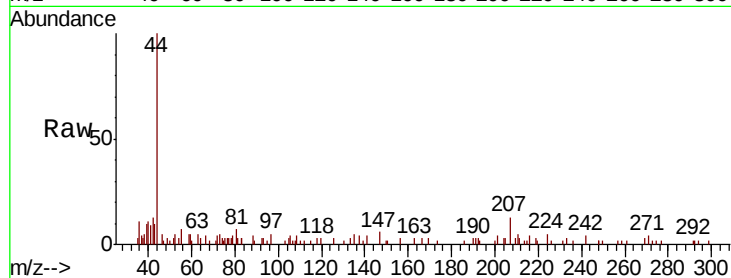




#49
1,4-Dioxane
Concen: 6.465 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.01 min
Lab File: VF062866.D
Acq: 5 Jun 2019 15:38

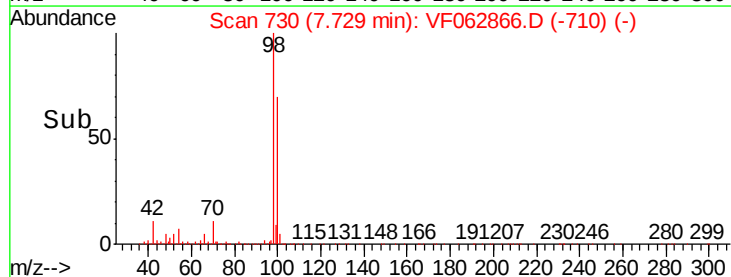
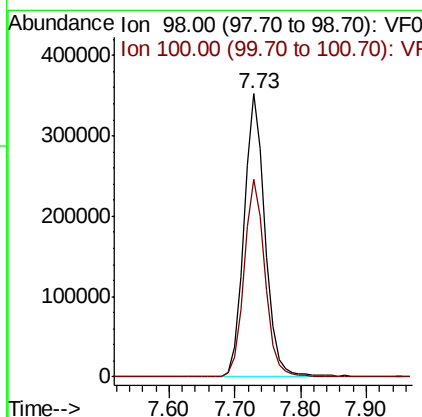
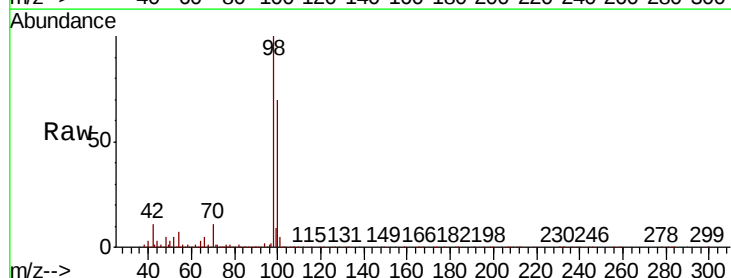
Instrument :
MSVOA_F
ClientSampled :

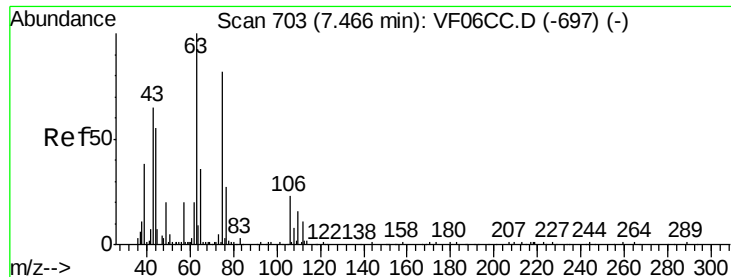
Tot Ion: 88 Resp: 248
Ion Ratio Lower Upper
88 100
43 247.7 34.8 52.2#
58 0.0 59.9 89.9#



#50
Toluene-d8
Concen: 34.090 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.01 min
Lab File: VF062866.D
Acq: 5 Jun 2019 15:38

Tgt Ion: 98 Resp: 791303
Ion Ratio Lower Upper
98 100
100 70.0 59.8 89.8

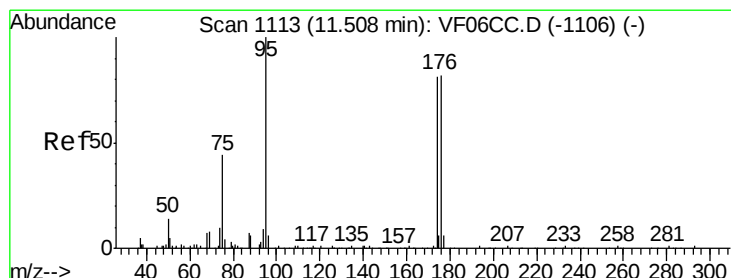
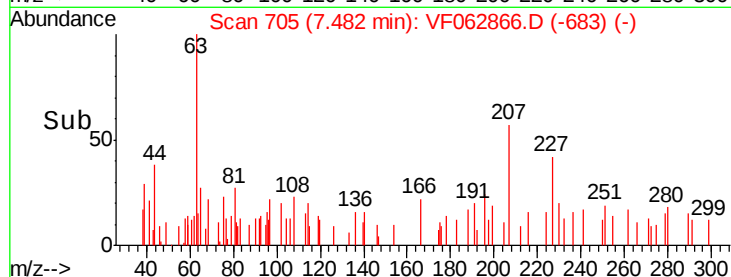
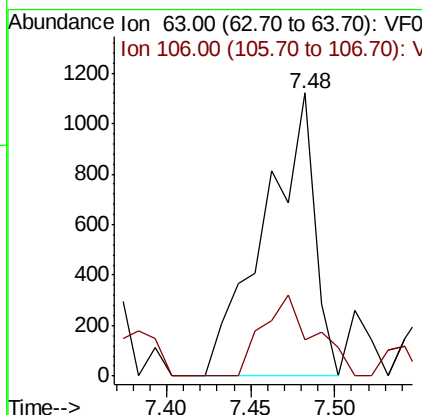
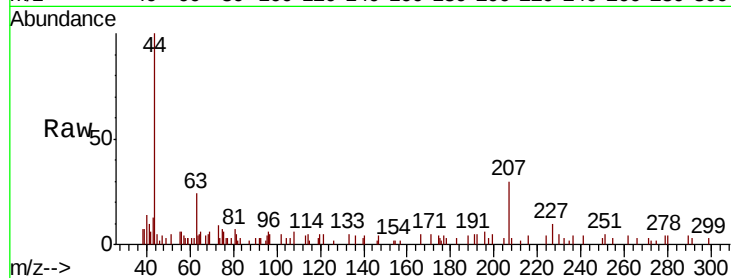




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.172 ug/l
 RT: 7.48 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VF062866.D
 Acq: 5 Jun 2019 15:38

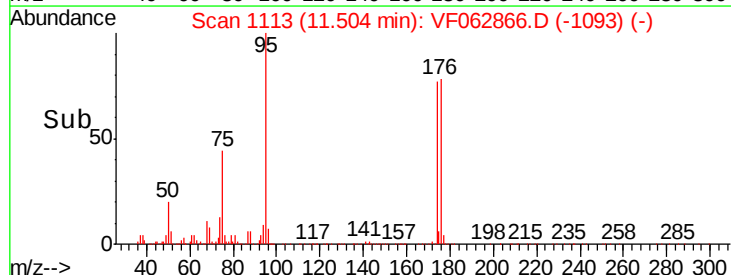
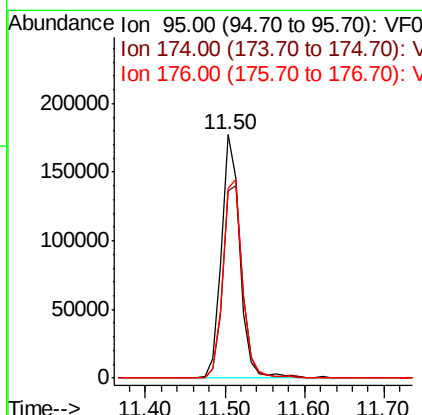
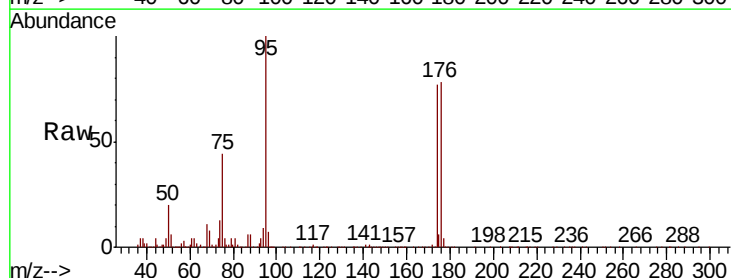
Instrument :
 MSVOA_F
 ClientSampled :

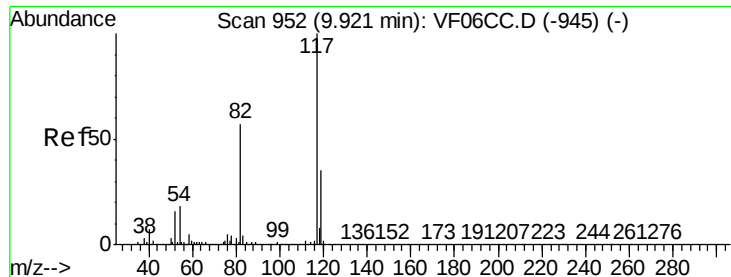
Tot Ion: 63 Resp: 2301
 Ion Ratio Lower Upper
 63 100
 106 12.7 19.5 29.3#



#62
 4-Bromofluorobenzene
 Concen: 35.144 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF062866.D
 Acq: 5 Jun 2019 15:38

Tgt Ion: 95 Resp: 293438
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 170.6
 176 78.1 0.0 170.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF062866.D

Acq: 5 Jun 2019 15:38

Instrument :
MSVOA_F
ClientSampleId :

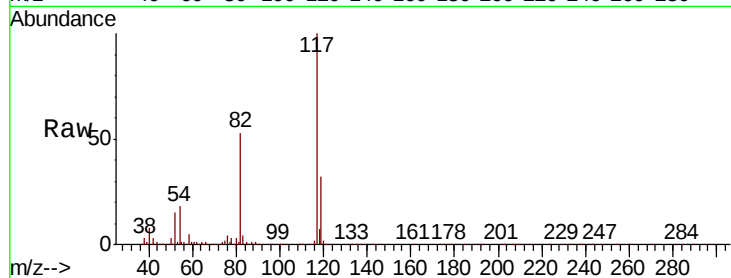
Tot Ion:117 Resp: 1013903

Ion Ratio Lower Upper

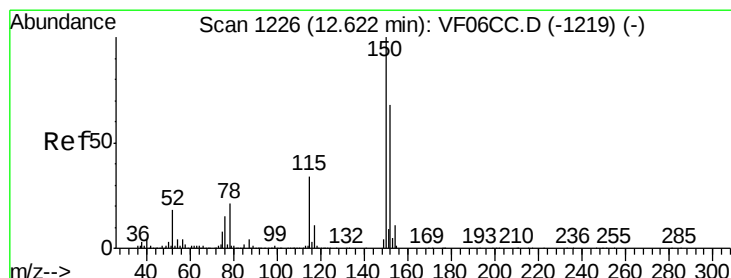
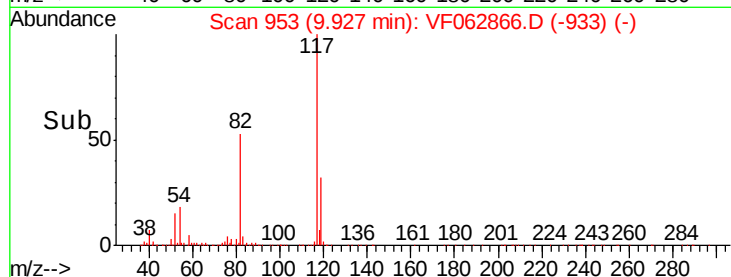
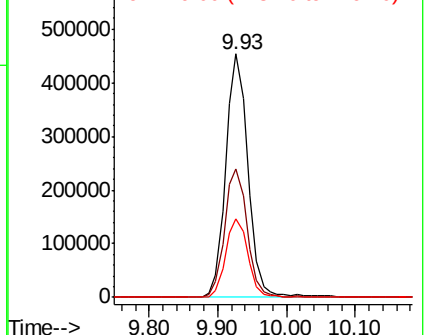
117 100

82 52.9 42.4 63.6

119 32.3 27.1 40.7



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062866.D

Acq: 5 Jun 2019 15:38

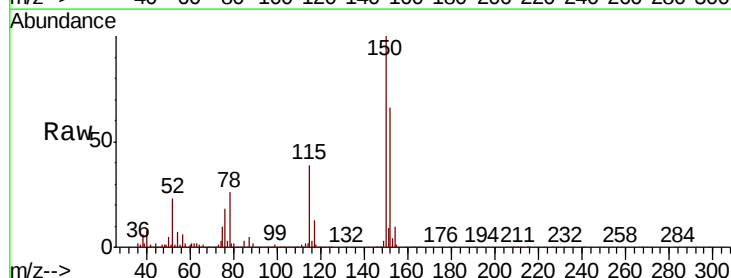
Tgt Ion:152 Resp: 369558

Ion Ratio Lower Upper

152 100

115 59.2 24.6 74.0

150 152.6 0.0 290.6



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

