

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062860.D
 Acq On : 5 Jun 2019 12:44
 Operator : FY/SY
 Sample : VF0605SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 06 07:59:55 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	5.07	168	807591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1418279	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1149079	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	536334	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	289241	51.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.58%	
35) Dibromofluoromethane	4.32	113	542018	50.57	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.14%	
50) Toluene-d8	7.72	98	1307991	48.26	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	96.52%	
62) 4-Bromofluorobenzene	11.50	95	479732	49.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.42%	

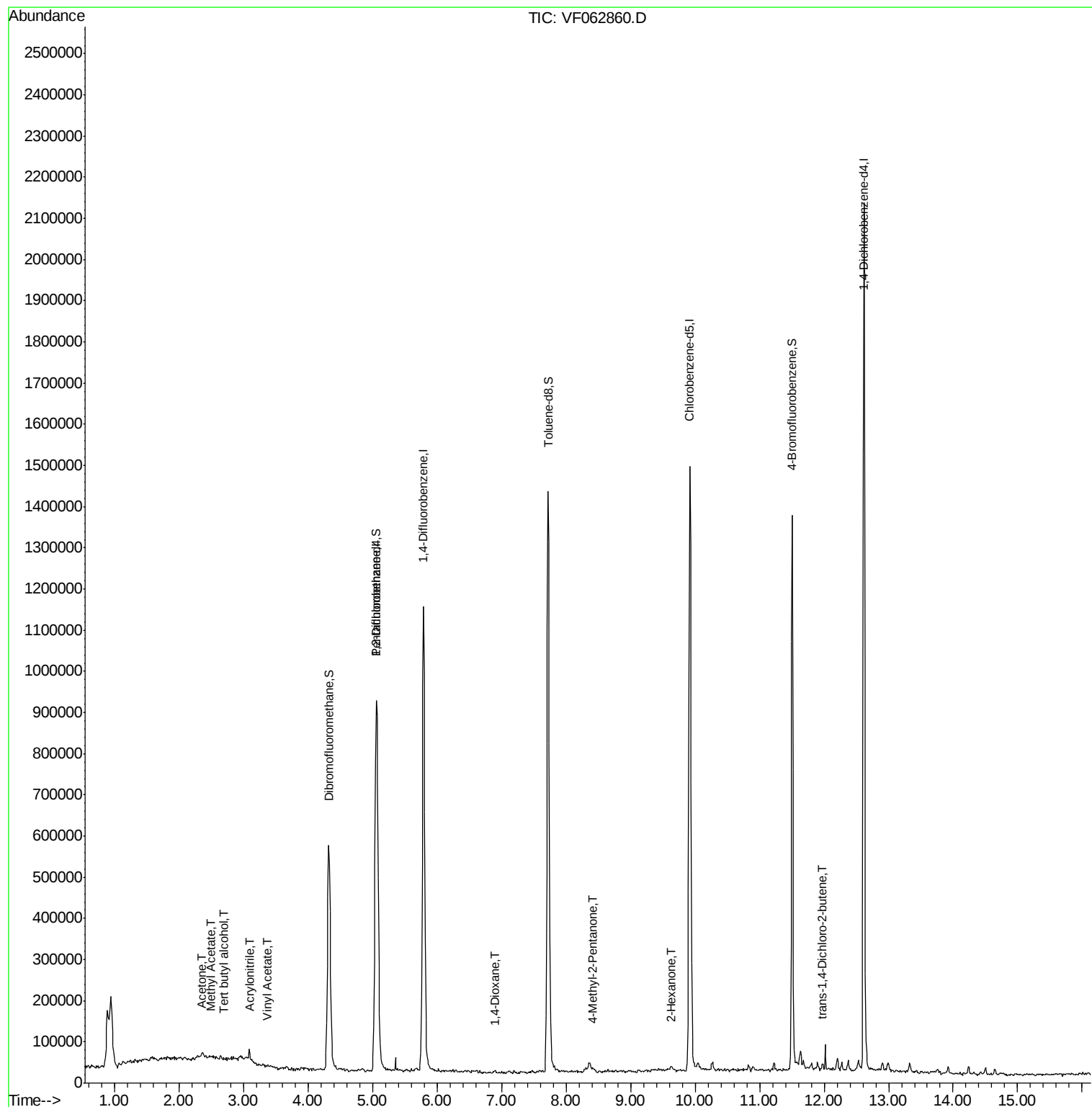
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.03	85	4106	Below Cal		73
11) Tert butyl alcohol	2.69	59	1408	4.162 ug/l #		1
13) Acrolein	2.09	56	677	Below Cal #		67
15) Acrylonitrile	3.11	53	4356	3.427 ug/l		90
16) Acetone	2.37	43	10935	8.555 ug/l		92
18) Methyl Acetate	2.49	43	7661	3.430 ug/l #		78
20) Methylene Chloride	2.36	84	9906	Below Cal #		81
23) Vinyl Acetate	3.37	43	10248	1.012 ug/l		96
49) 1,4-Dioxane	6.90	88	1046	23.354 ug/l #		46
51) 4-Methyl-2-Pentanone	8.42	43	10609	2.254 ug/l		95
59) 2-Hexanone	9.63	43	8724	2.600 ug/l		72
81) trans-1,4-Dichloro-2-buten	11.97	75	2244	1.001 ug/l #		49

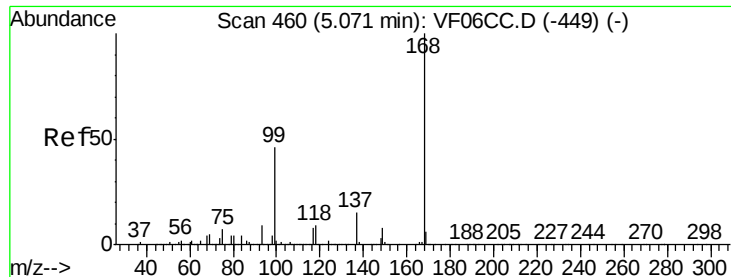
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060519\
Data File : VF062860.D
Acq On : 5 Jun 2019 12:44
Operator : FY/SY
Sample : VF0605SBL01
Misc : 5.00µg/5mL/MSVOA F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 06 07:59:55 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: 5.07 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062860.D

Acq: 5 Jun 2019 12:44

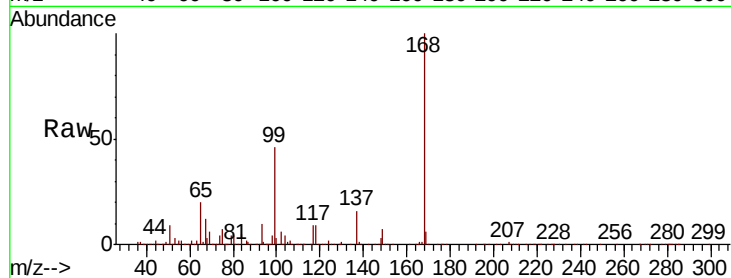
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 807591

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

5.07

300000

250000

200000

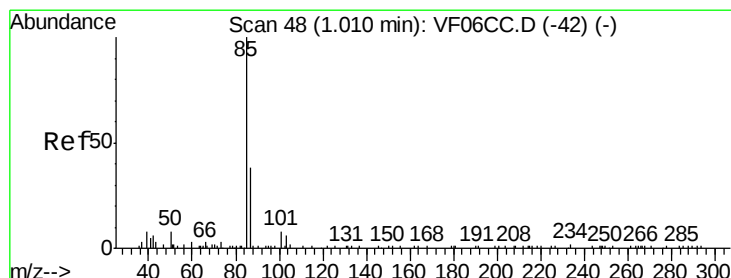
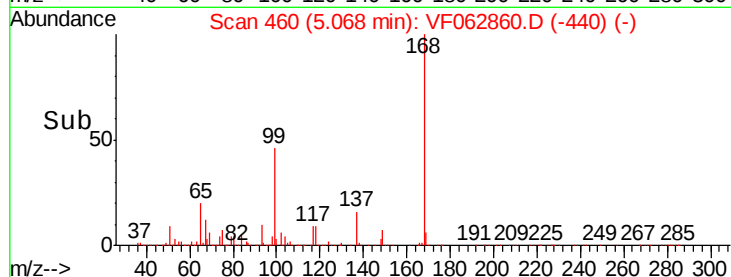
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.03 min Scan# 50

Delta R.T. 0.02 min

Lab File: VF062860.D

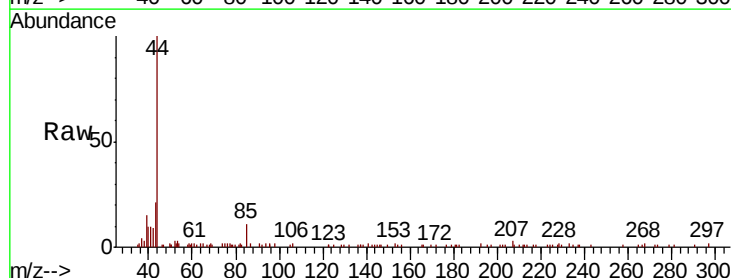
Acq: 5 Jun 2019 12:44

Tgt Ion: 85 Resp: 4106

Ion Ratio Lower Upper

85 100

87 19.4 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.03

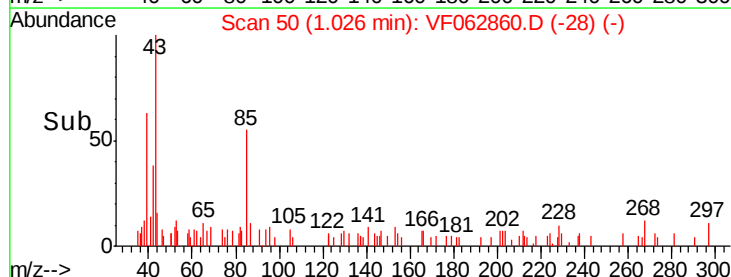
1500

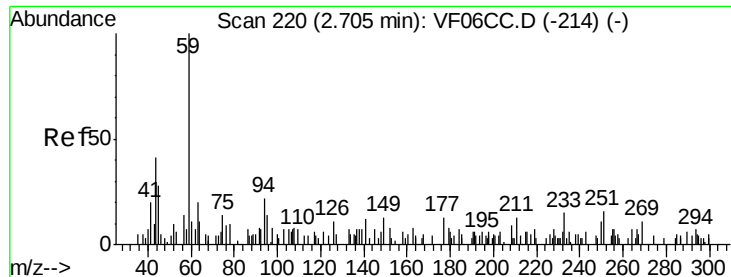
1000

500

0

Time-->

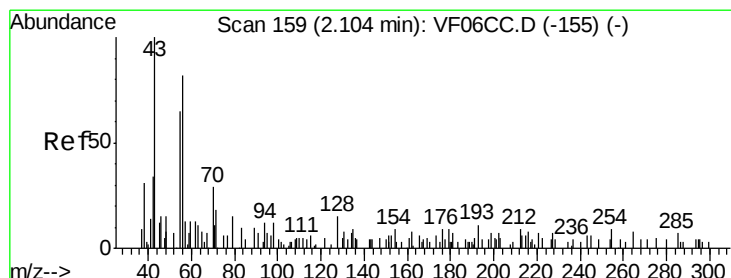
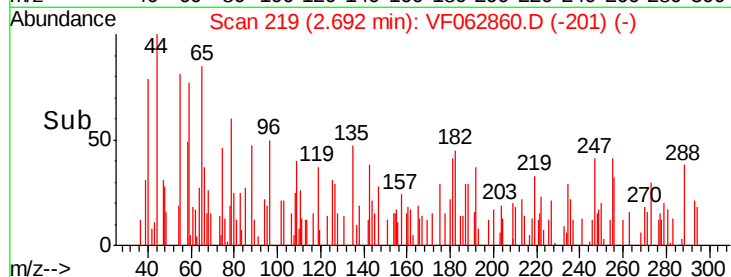
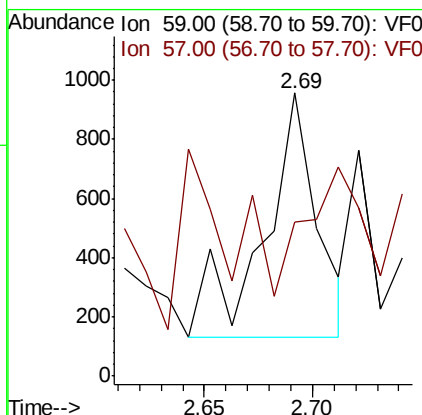
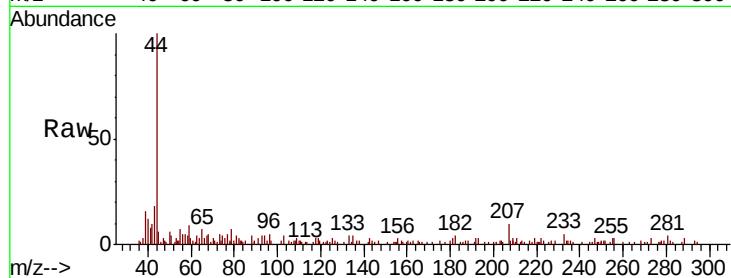




#11
Tert butvl alcohol
Concen: 4.162 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.03 min
Lab File: VF062860.D
Acq: 5 Jun 2019 12:44

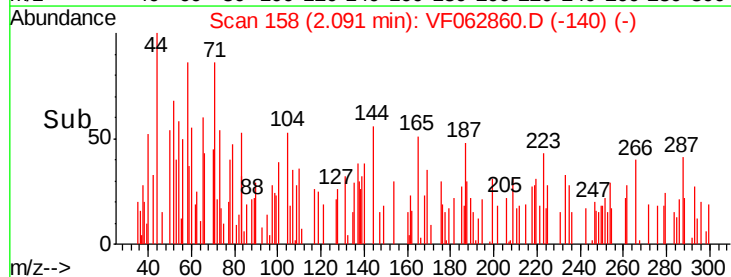
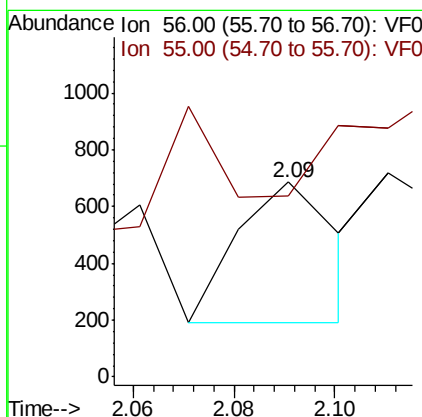
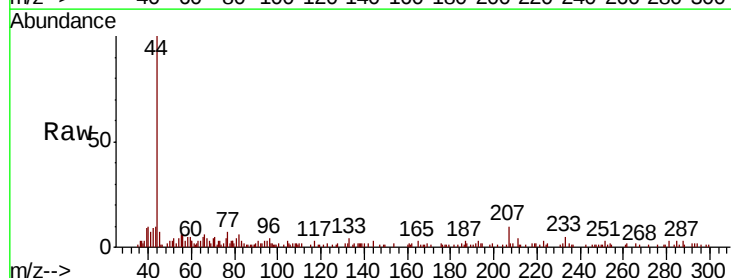
Instrument :
MSVOA_F
ClientSampleId :

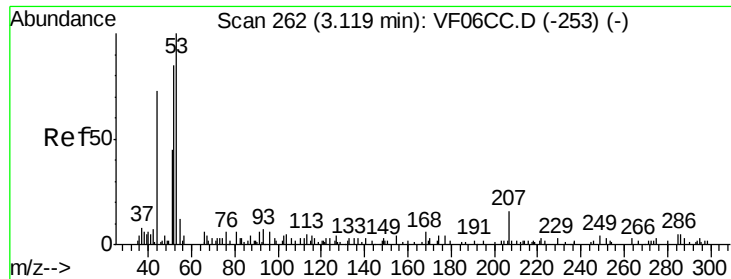
Tot Ion: 59 Resp: 1408
Ion Ratio Lower Upper
59 100
57 54.3 9.2 13.8#



#13
Acrolein
Concen: Below Cal
RT: 2.09 min Scan# 158
Delta R.T. -0.02 min
Lab File: VF062860.D
Acq: 5 Jun 2019 12:44

Tgt Ion: 56 Resp: 677
Ion Ratio Lower Upper
56 100
55 92.6 52.9 79.3#





#15

Acrylonitrile

Concen: 3.427 ug/l

RT: 3.11 min Scan# 261

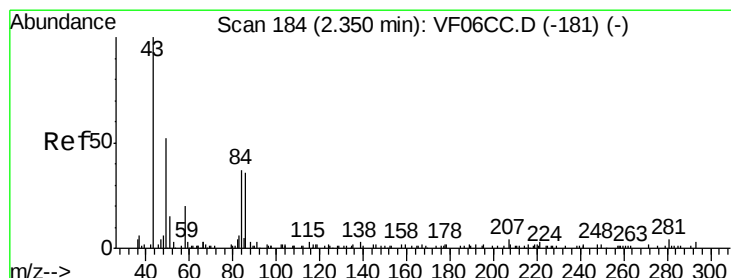
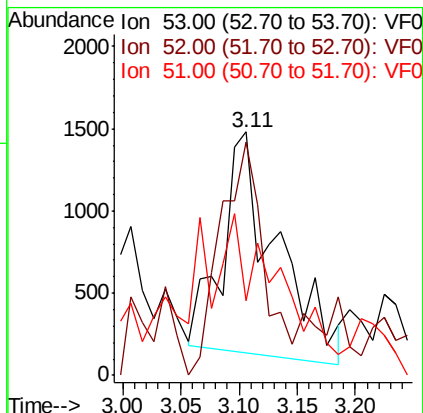
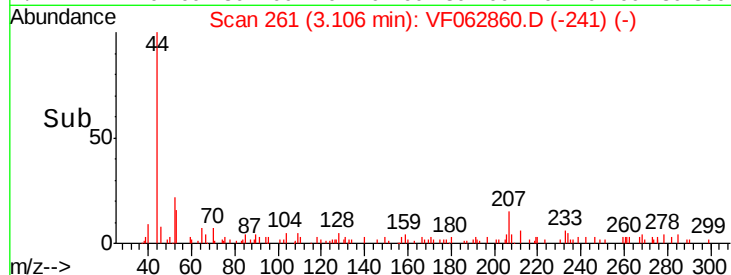
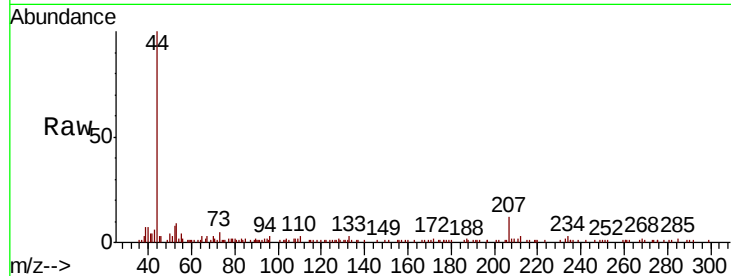
Delta R.T. -0.01 min

Lab File: VF062860.D

Acq: 5 Jun 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	4356
Ion	Ratio	Lower	Upper
53	100		
52	95.6	68.1	102.1
51	30.9	27.7	41.5



#16

Acetone

Concen: 8.555 ug/l

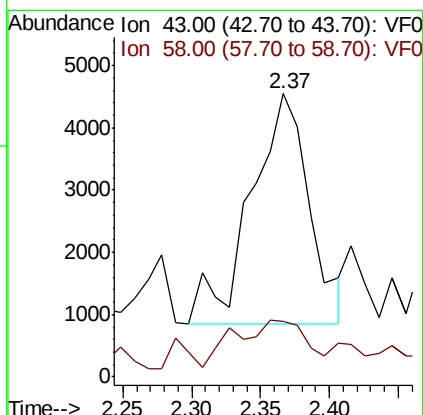
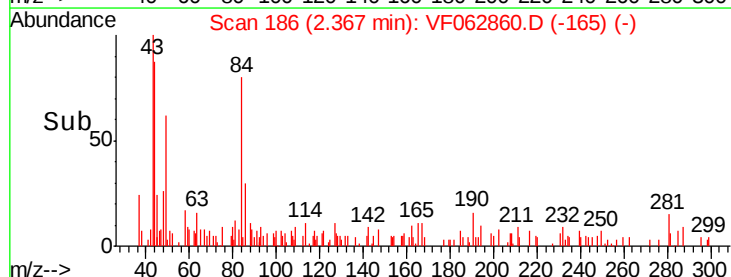
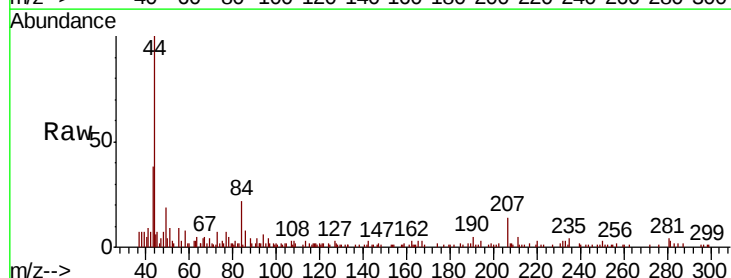
RT: 2.37 min Scan# 186

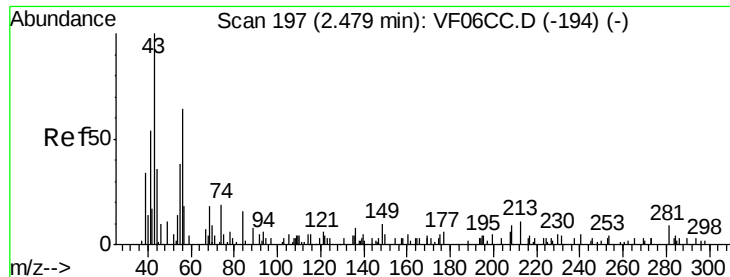
Delta R.T. 0.00 min

Lab File: VF062860.D

Acq: 5 Jun 2019 12:44

Tgt Ion:	43	Resp:	10935
Ion	Ratio	Lower	Upper
43	100		
58	19.6	19.0	28.4

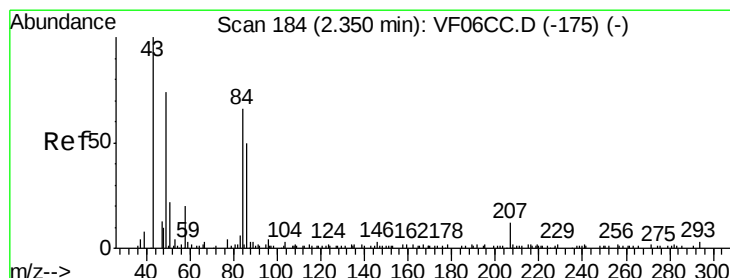
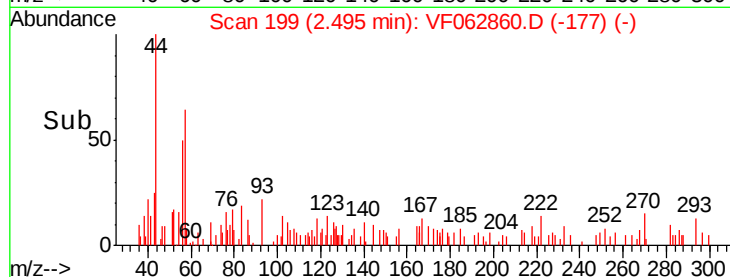
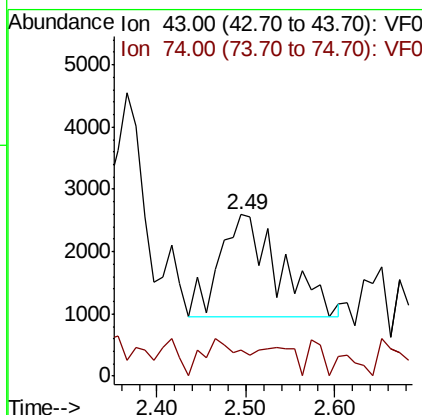
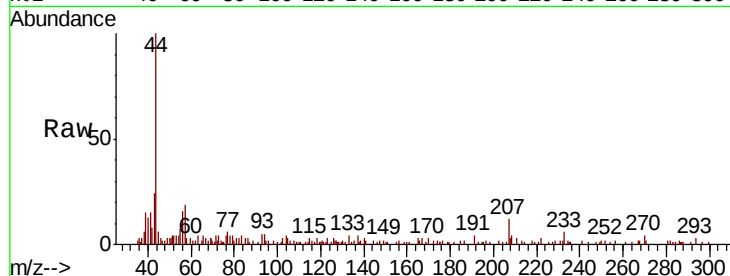




#18
Methyl Acetate
Concen: 3.430 ug/l
RT: 2.49 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF062860.D
Acq: 5 Jun 2019 12:44

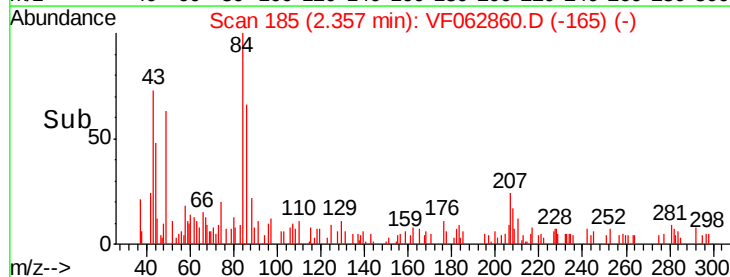
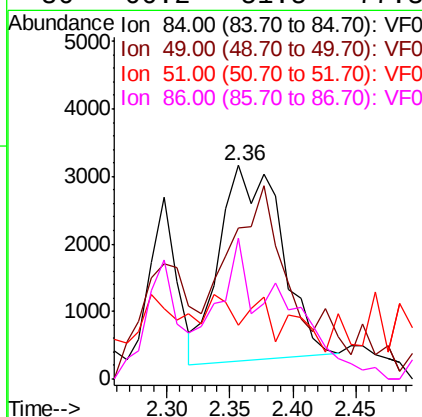
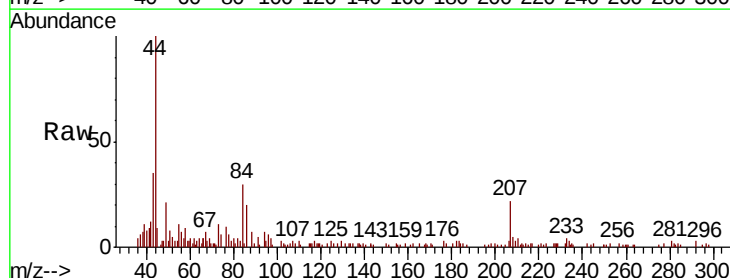
Instrument :
MSVOA_F
ClientSampled :

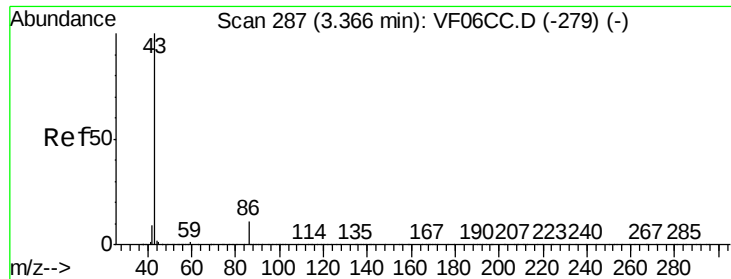
Tot Ion: 43 Resp: 7661
Ion Ratio Lower Upper
43 100
74 16.4 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.36 min Scan# 185
Delta R.T. -0.01 min
Lab File: VF062860.D
Acq: 5 Jun 2019 12:44

Tgt Ion: 84 Resp: 9906
Ion Ratio Lower Upper
84 100
49 71.0 82.6 123.8#
51 25.2 25.0 37.4
86 66.2 51.5 77.3





#23

Vinyl Acetate

Concen: 1.012 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.00 min

Lab File: VF062860.D

Acq: 5 Jun 2019 12:44

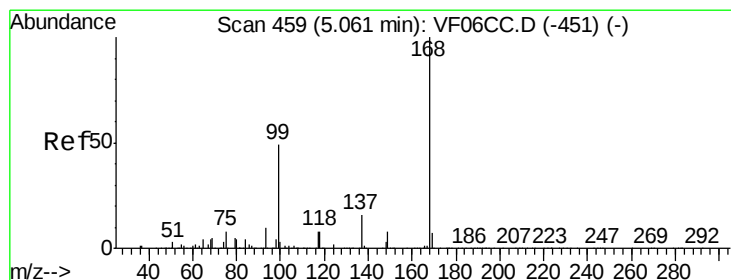
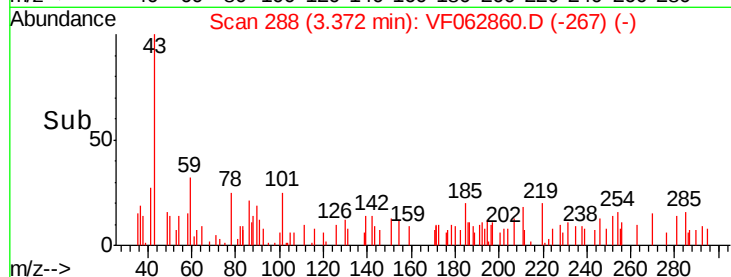
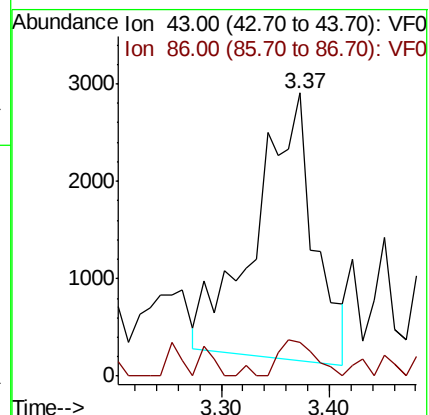
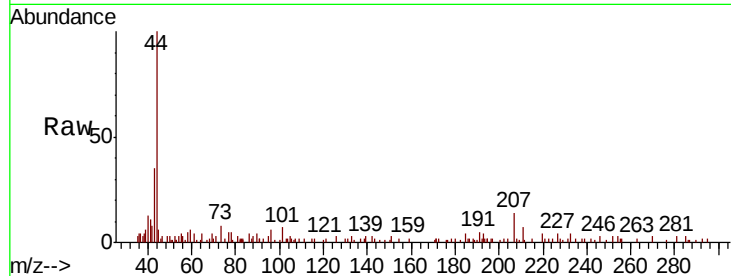
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 10248

Ion Ratio Lower Upper

43 100

86 11.8 8.2 12.2



#33

1,2-Dichloroethane-d4

Concen: 51.793 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062860.D

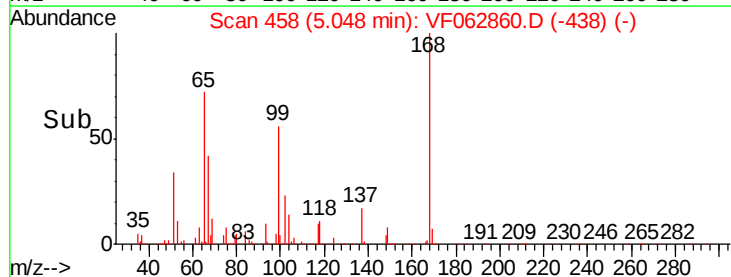
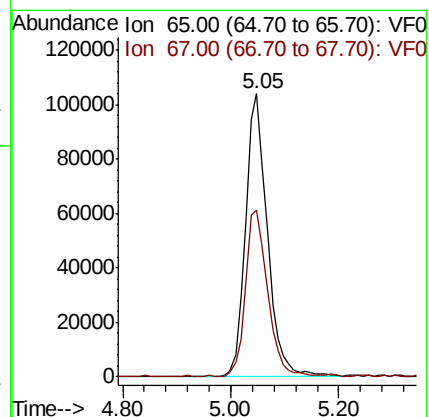
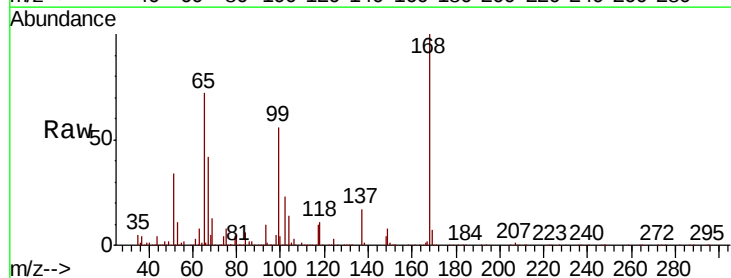
Acq: 5 Jun 2019 12:44

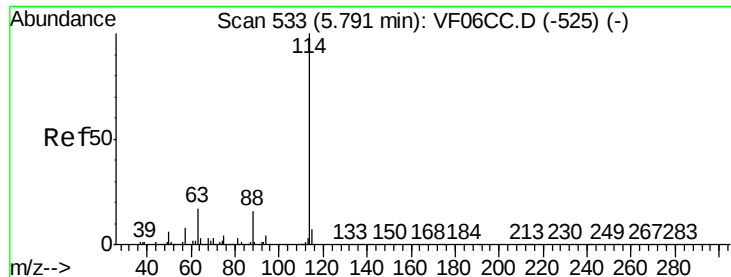
Tgt Ion: 65 Resp: 289241

Ion Ratio Lower Upper

65 100

67 59.1 0.0 121.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.02 min

Lab File: VF062860.D

Acq: 5 Jun 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

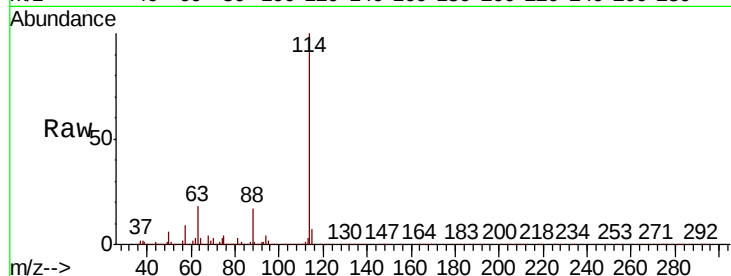
Tot Ion:114 Resp: 1418279

Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	34.2
88	16.8	0.0	31.2

114 100

63 18.0 0.0 34.2

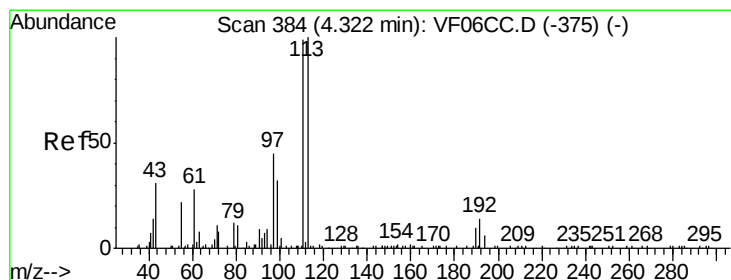
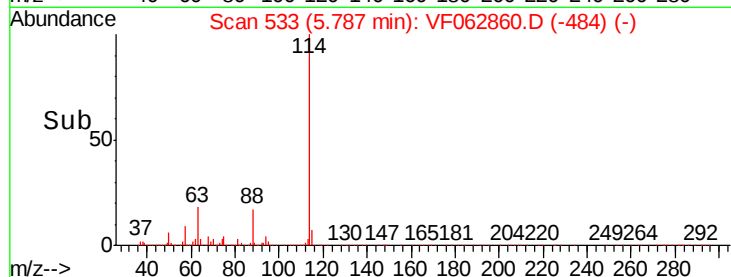
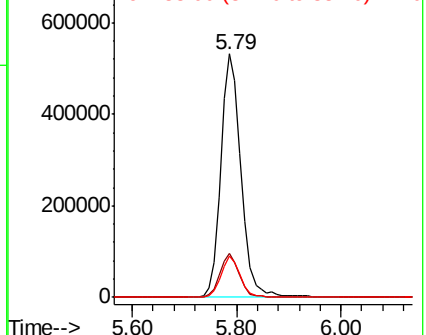
88 16.8 0.0 31.2



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: 50.574 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.02 min

Lab File: VF062860.D

Acq: 5 Jun 2019 12:44

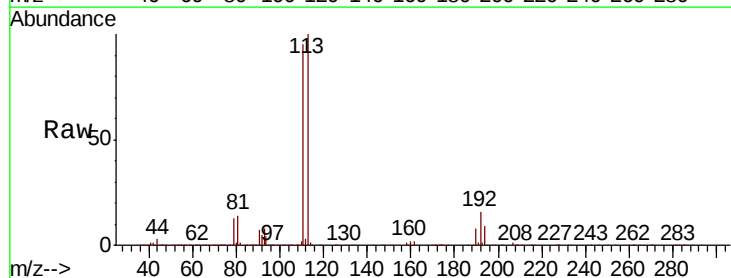
Tgt Ion:113 Resp: 542018

Ion	Ratio	Lower	Upper
113	100		
111	94.9	81.9	122.9
192	16.5	15.1	22.7

113 100

111 94.9 81.9 122.9

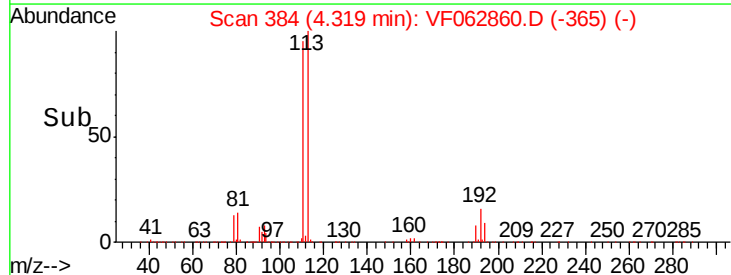
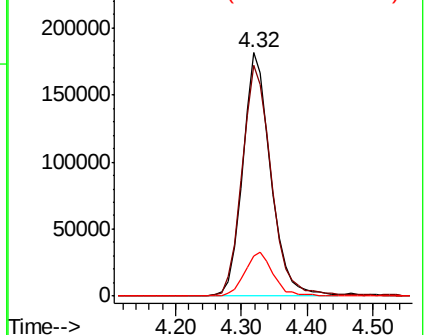
192 16.5 15.1 22.7

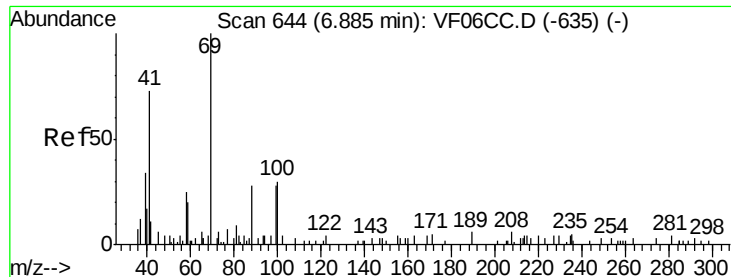


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 23.354 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF062860.D

Acq: 5 Jun 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :

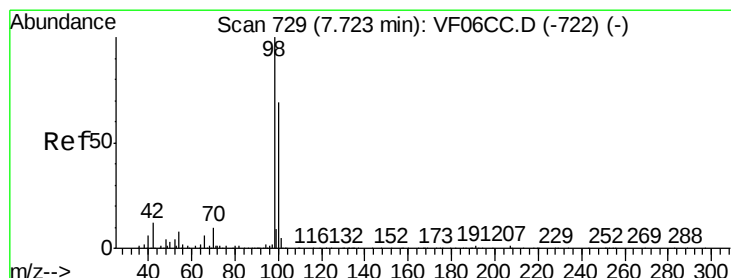
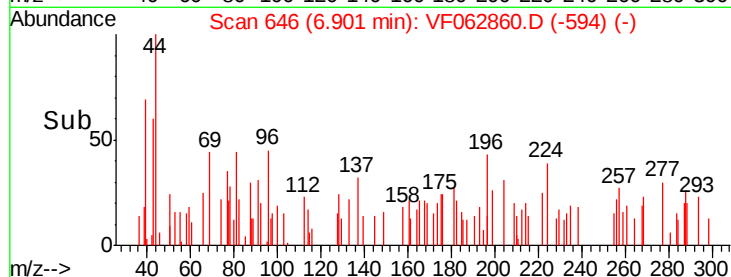
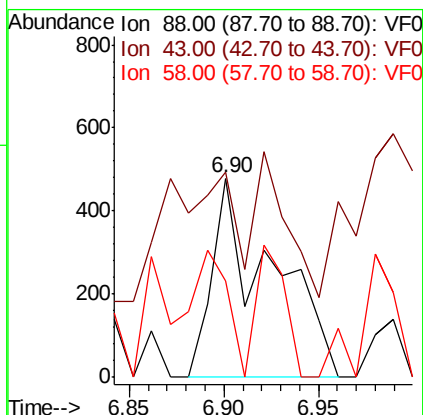
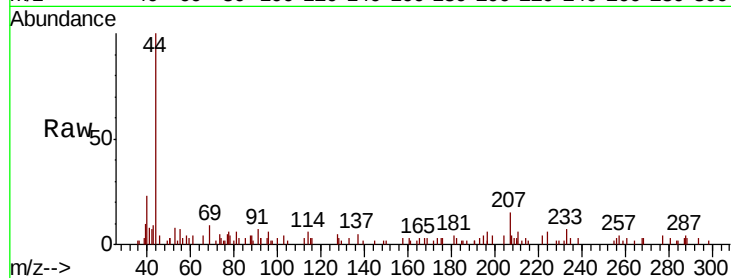
Tot Ion: 88 Resp: 1046

Ion Ratio Lower Upper

88 100

43 103.1 34.8 52.2#

58 48.2 59.9 89.9#



#50

Toluene-d8

Concen: 48.263 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.02 min

Lab File: VF062860.D

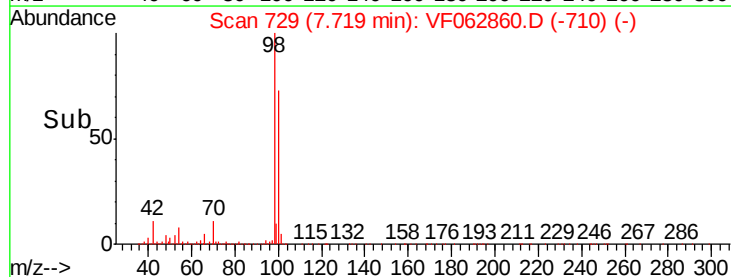
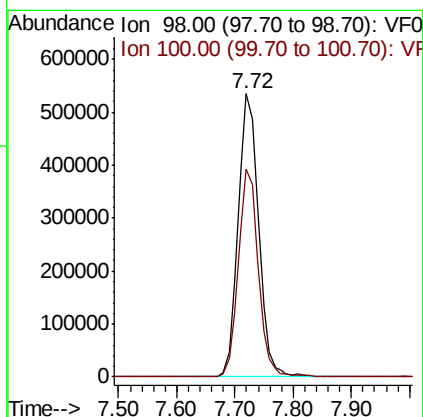
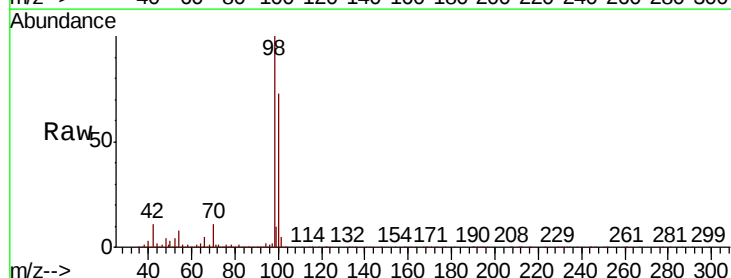
Acq: 5 Jun 2019 12:44

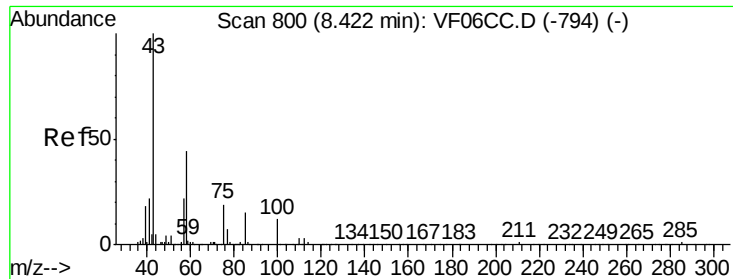
Tgt Ion: 98 Resp: 1307991

Ion Ratio Lower Upper

98 100

100 73.3 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 2.254 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062860.D

Acq: 5 Jun 2019 12:44

Instrument :

MSVOA_F

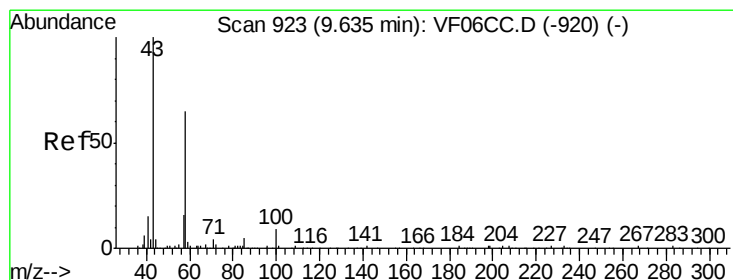
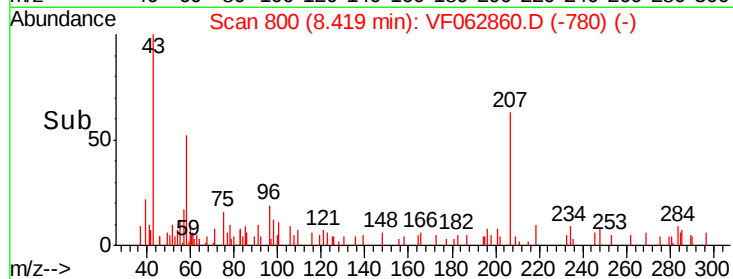
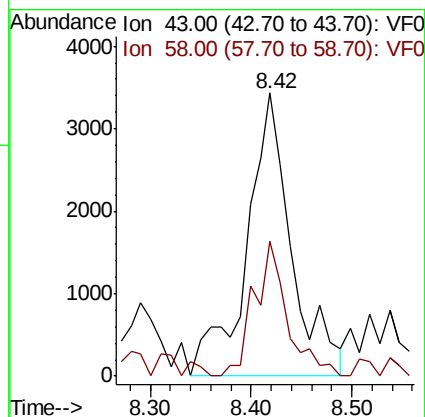
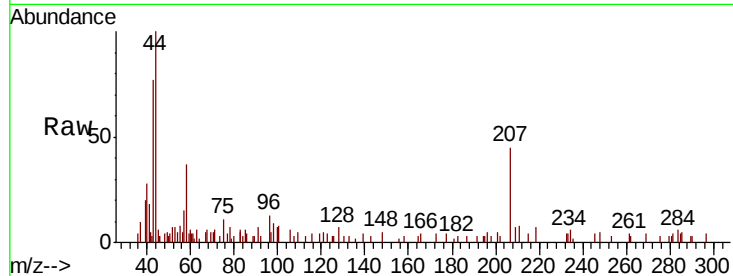
ClientSampleId :

Tot Ion: 43 Resp: 10609

Ion Ratio Lower Upper

43 100

58 47.9 35.5 53.3



#59

2-Hexanone

Concen: 2.600 ug/l

RT: 9.63 min Scan# 923

Delta R.T. -0.01 min

Lab File: VF062860.D

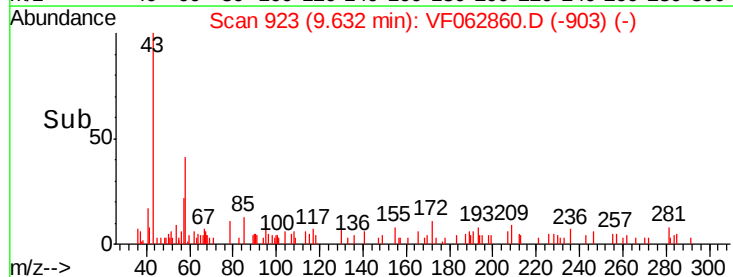
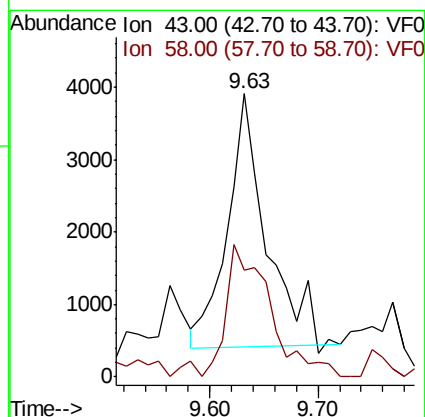
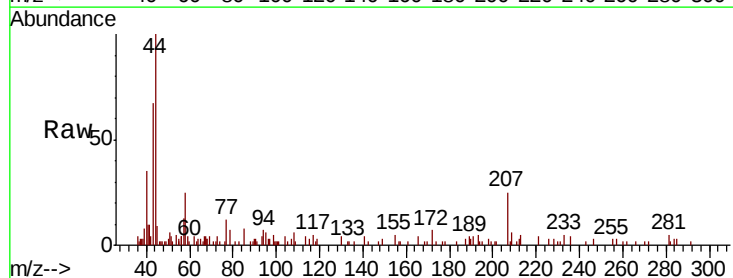
Acq: 5 Jun 2019 12:44

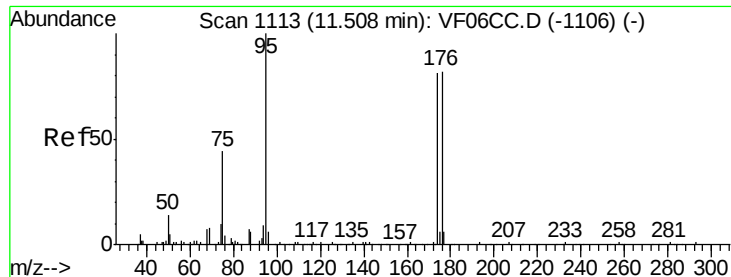
Tgt Ion: 43 Resp: 8724

Ion Ratio Lower Upper

43 100

58 37.7 29.3 87.9





#62

4-Bromofluorobenzene

Concen: 49.210 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062860.D

Acq: 5 Jun 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

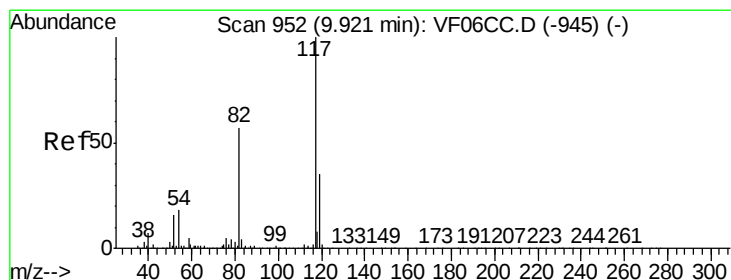
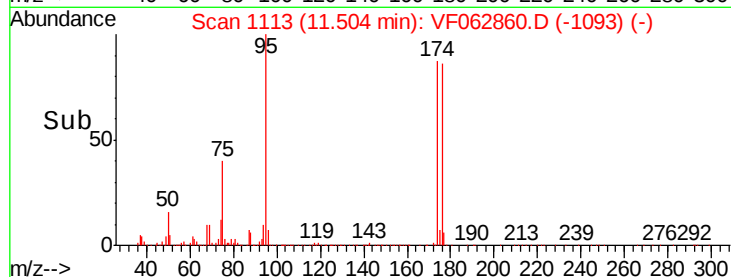
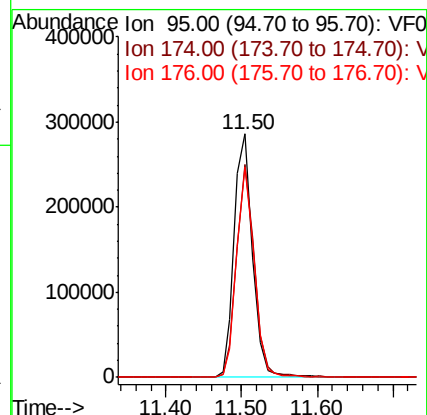
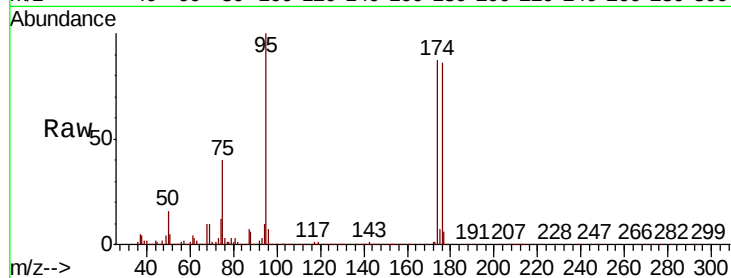
Tot Ion: 95 Resp: 479732

Ion Ratio Lower Upper

95 100

174 87.4 0.0 170.6

176 86.2 0.0 170.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.02 min

Lab File: VF062860.D

Acq: 5 Jun 2019 12:44

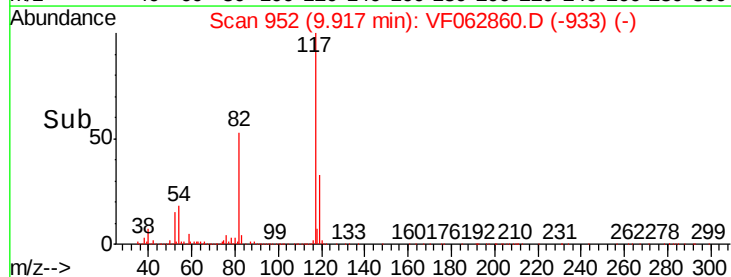
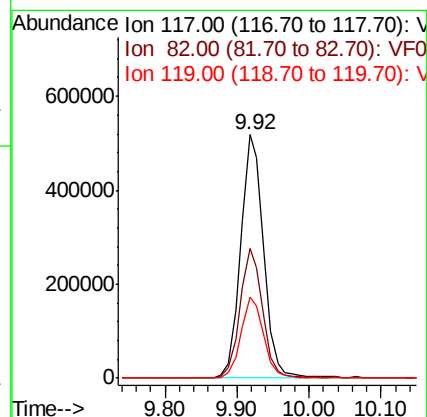
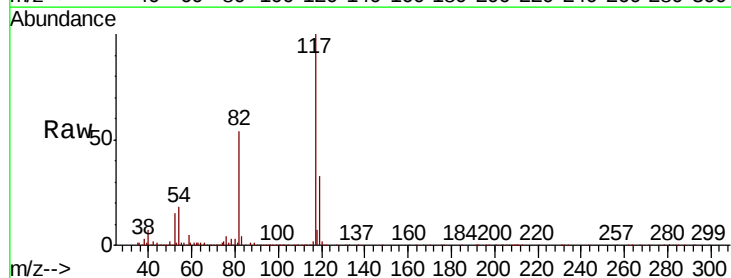
Tgt Ion: 117 Resp: 1149079

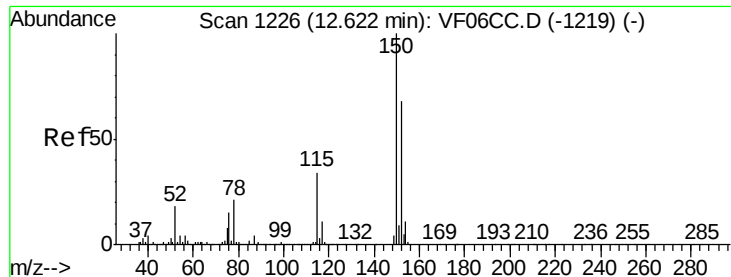
Ion Ratio Lower Upper

117 100

82 53.5 42.4 63.6

119 33.3 27.1 40.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062860.D

Acq: 5 Jun 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

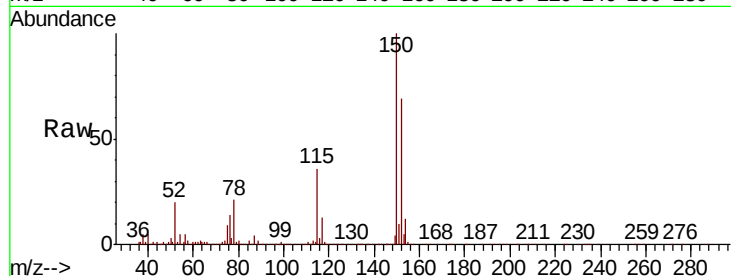
Tot Ion:152 Resp: 536334

Ion Ratio Lower Upper

152 100

115 51.6 24.6 74.0

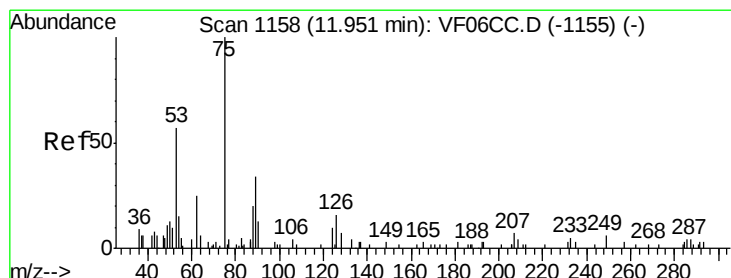
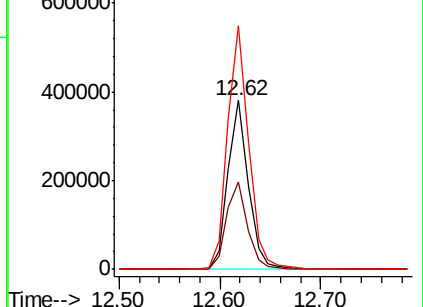
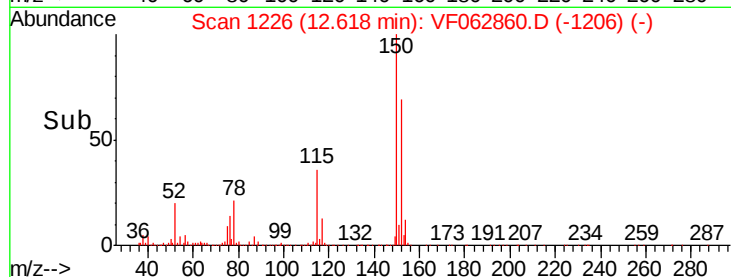
150 143.9 0.0 290.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 1.001 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF062860.D

Acq: 5 Jun 2019 12:44

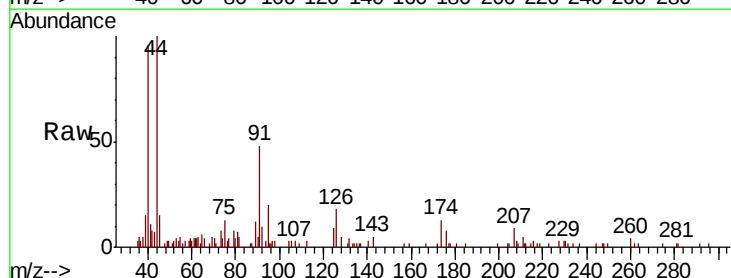
Tgt Ion: 75 Resp: 2244

Ion Ratio Lower Upper

75 100

53 31.1 43.5 65.3#

89 90.9 34.3 51.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

