

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061019\
 Data File : VF062917.D
 Acq On : 10 Jun 2019 20:17
 Operator : FY/SY
 Sample : K3273-09RE
 Misc : 4.62g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 11 01:21:16 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	713786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1195998	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	864175	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	417194	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	221821	44.94	ug/l	0.00
Spiked Amount			Recovery	=	89.88%	
35) Dibromofluoromethane	4.32	113	419647	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
50) Toluene-d8	7.72	98	848704	37.14	ug/l	0.00
Spiked Amount			Recovery	=	74.28%	
62) 4-Bromofluorobenzene	11.50	95	329287	40.06	ug/l	0.00
Spiked Amount			Recovery	=	80.12%	

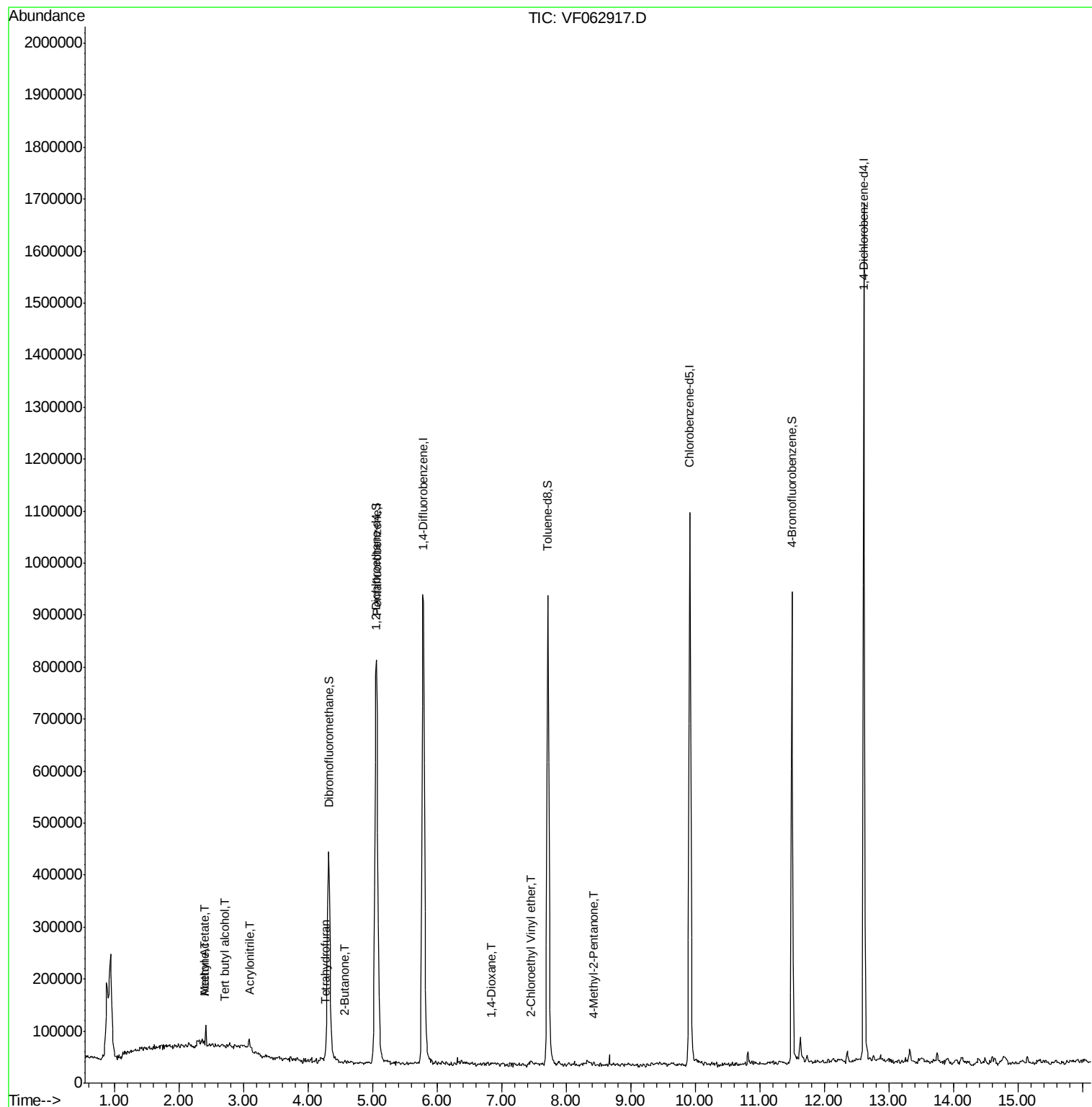
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	1244	Below Cal		97
11) Tert butyl alcohol	2.72	59	1390	4.649 ug/l #		1
13) Acrolein	2.04	56	638	Below Cal		86
15) Acrylonitrile	3.09	53	3264	2.905 ug/l #		45
16) Acetone	2.39	43	2790	2.470 ug/l		91
18) Methyl Acetate	2.39	43	2790	1.413 ug/l		96
20) Methylene Chloride	2.35	84	10126	Below Cal #		76
25) 2-Butanone	4.58	43	7140	2.714 ug/l #		76
29) Tetrahydrofuran	4.26	42	1443	1.434 ug/l #		29
49) 1,4-Dioxane	6.84	88	322	8.526 ug/l #		1
51) 4-Methyl-2-Pentanone	8.41	43	5105	1.286 ug/l		90
58) 2-Chloroethyl Vinyl ether	7.46	63	3855	1.994 ug/l #		68

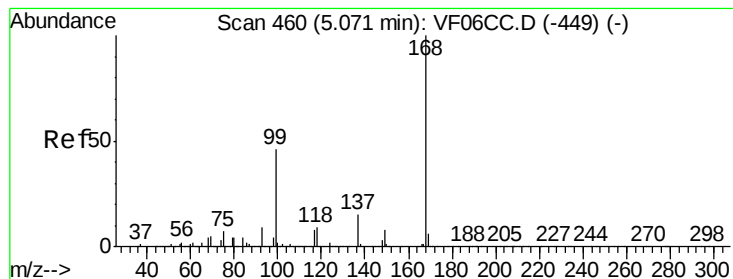
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061019\
Data File : VF062917.D
Acq On : 10 Jun 2019 20:17
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Quant Time: Jun 11 01:21:16 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: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062917.D

Acq: 10 Jun 2019 20:17

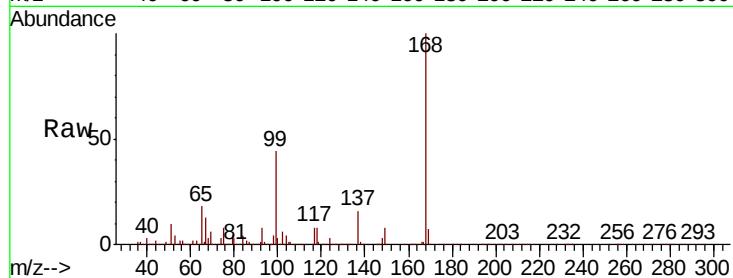
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 713786

Ion Ratio Lower Upper

168 100

99 43.9 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

250000

200000

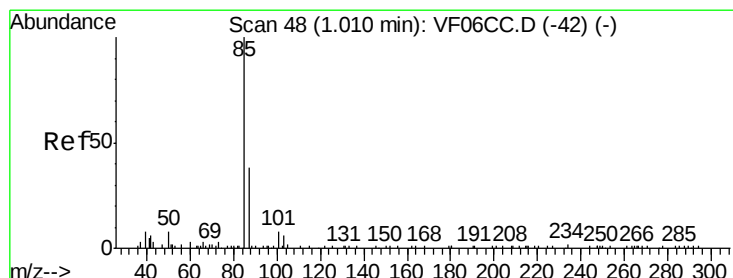
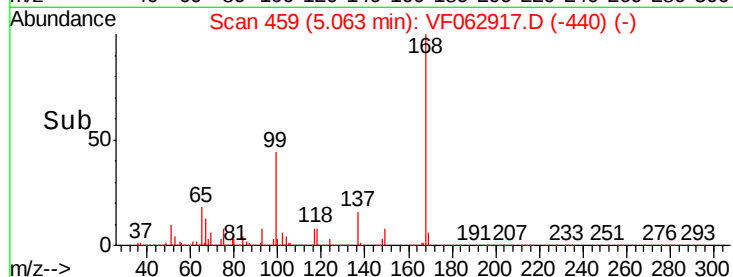
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062917.D

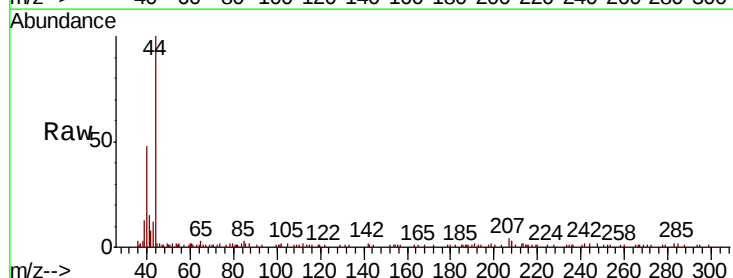
Acq: 10 Jun 2019 20:17

Tgt Ion: 85 Resp: 1244

Ion Ratio Lower Upper

85 100

87 37.3 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

800

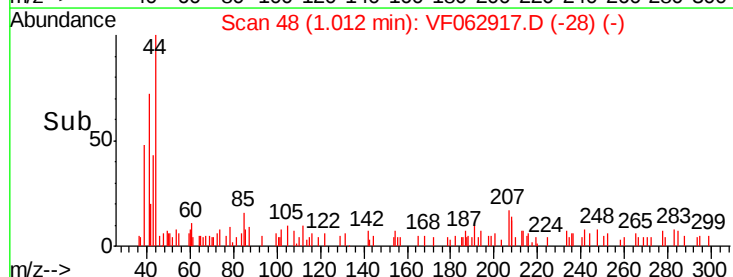
600

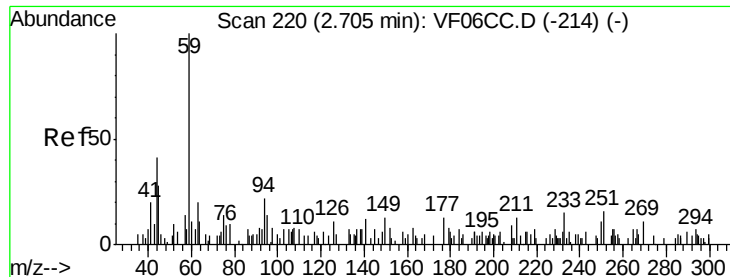
400

200

0

Time-->

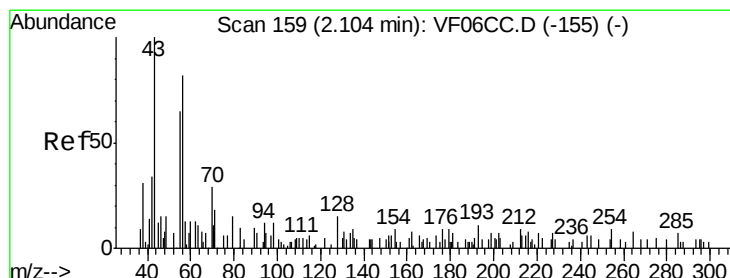
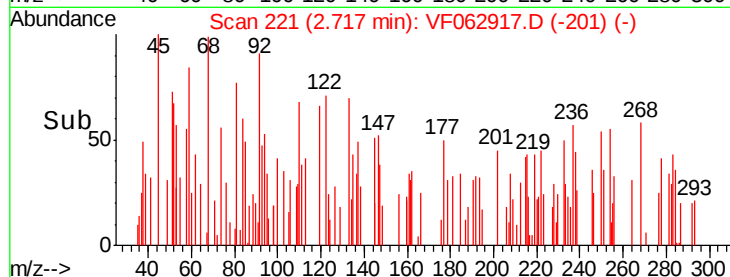
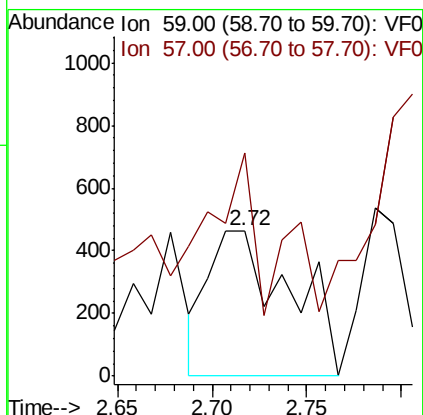
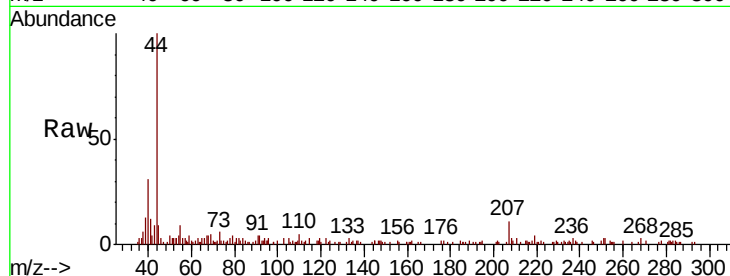




#11
Tert butvl alcohol
Concen: 4.649 ug/l
RT: 2.72 min Scan# 221
Delta R.T. -0.00 min
Lab File: VF062917.D
Acq: 10 Jun 2019 20:17

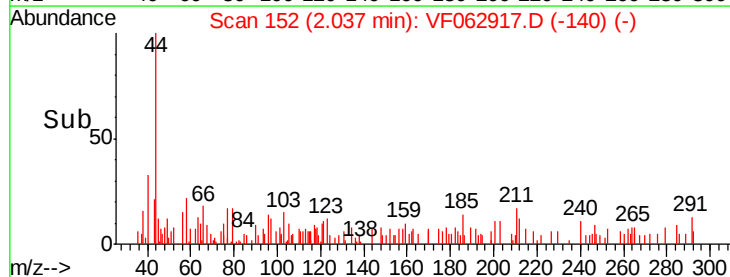
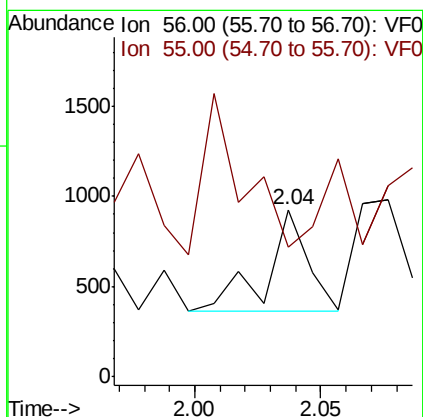
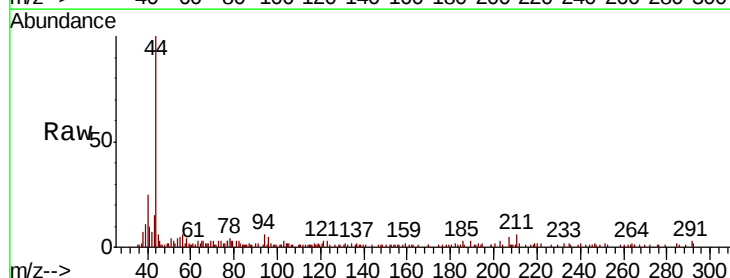
Instrument :
MSVOA_F
ClientSampleId :

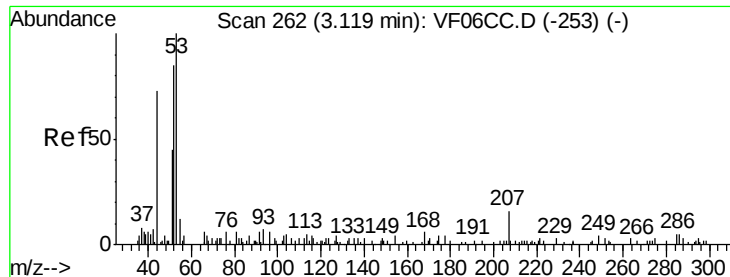
Tot Ion: 59 Resp: 1390
Ion Ratio Lower Upper
59 100
57 153.3 9.2 13.8#



#13
Acrolein
Concen: Below Cal
RT: 2.04 min Scan# 152
Delta R.T. -0.08 min
Lab File: VF062917.D
Acq: 10 Jun 2019 20:17

Tgt Ion: 56 Resp: 638
Ion Ratio Lower Upper
56 100
55 77.2 52.9 79.3





#15

Acrylonitrile

Concen: 2.905 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF062917.D

Acq: 10 Jun 2019 20:17

Instrument :
MSVOA_F
ClientSampled :

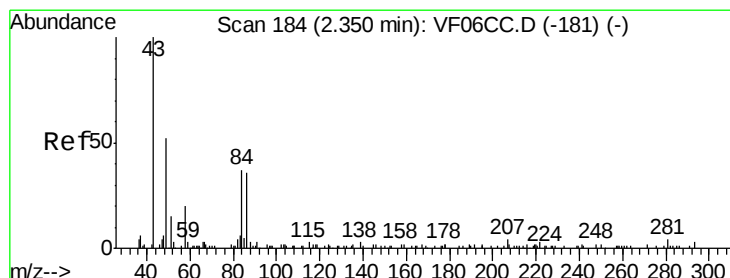
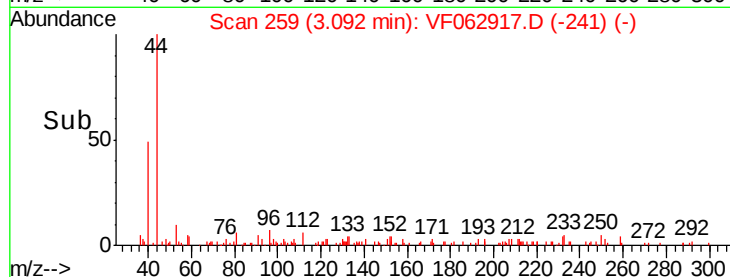
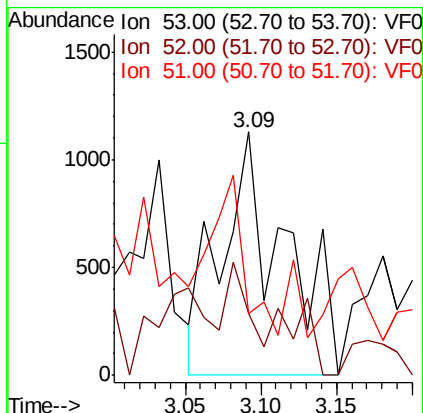
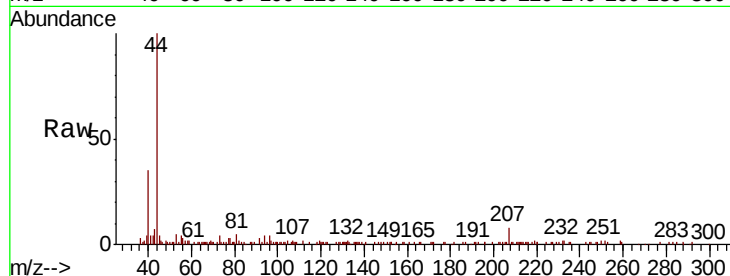
Tot Ion: 53 Resp: 3264

Ion Ratio Lower Upper

53 100

52 25.4 68.1 102.1#

51 50.6 27.7 41.5#



#16

Acetone

Concen: 2.470 ug/l

RT: 2.39 min Scan# 188

Delta R.T. 0.03 min

Lab File: VF062917.D

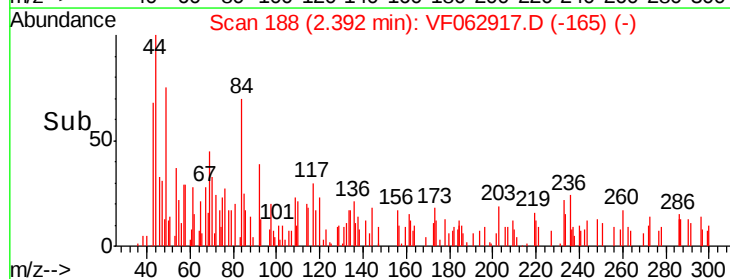
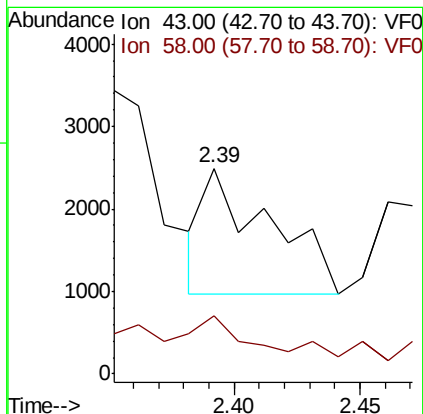
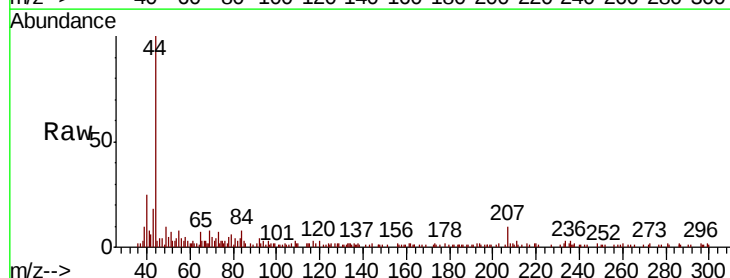
Acq: 10 Jun 2019 20:17

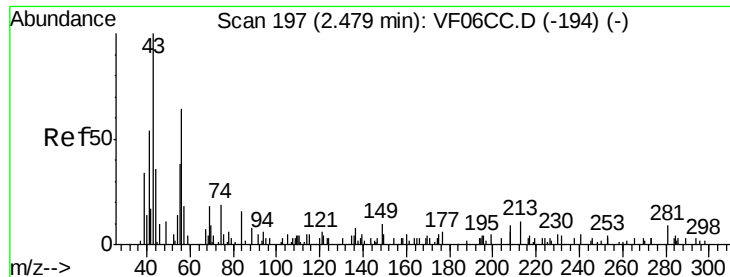
Tgt Ion: 43 Resp: 2790

Ion Ratio Lower Upper

43 100

58 28.1 19.0 28.4

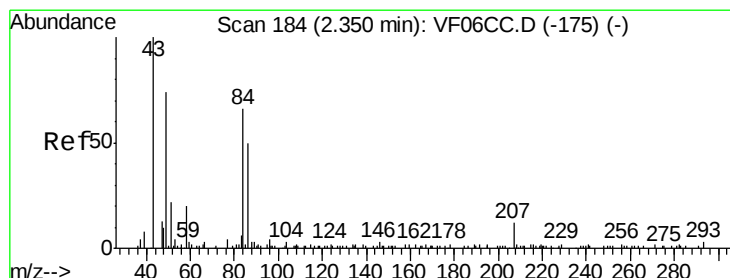
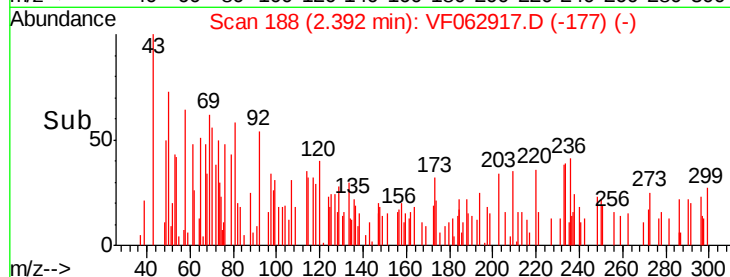
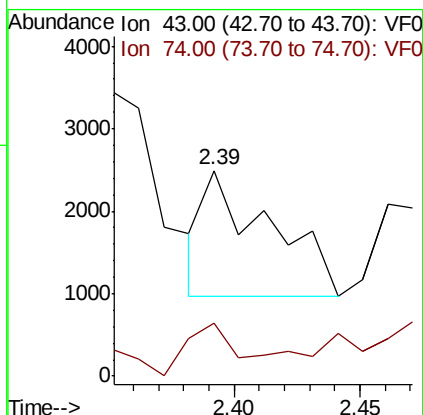
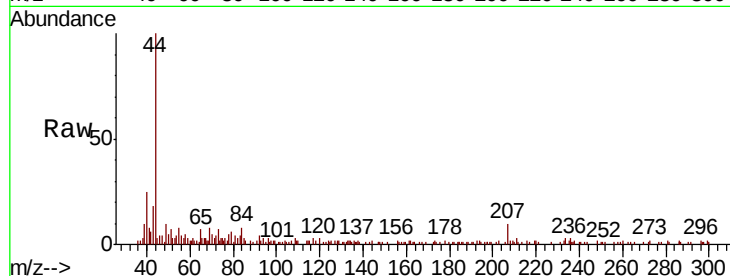




#18
Methyl Acetate
Concen: 1.413 ug/l
RT: 2.39 min Scan# 188
Delta R.T. -0.09 min
Lab File: VF062917.D
Acq: 10 Jun 2019 20:17

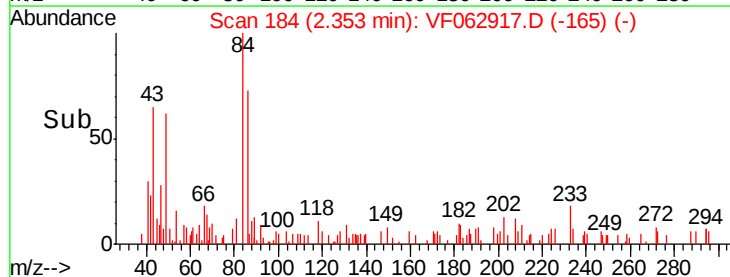
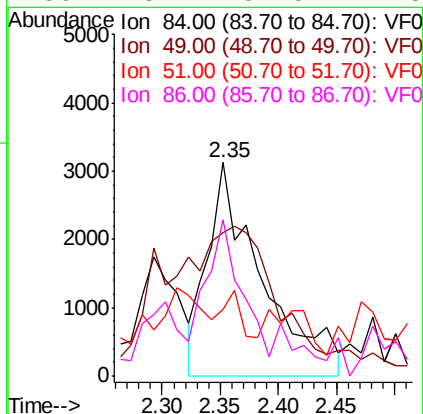
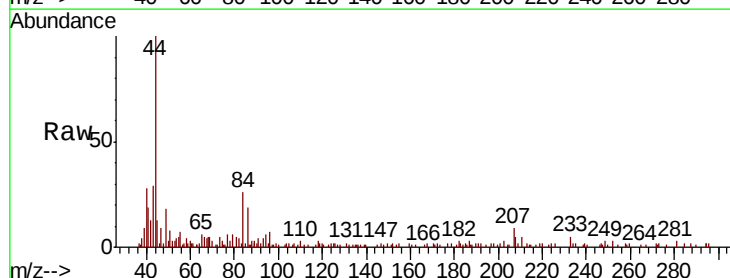
Instrument :
MSVOA_F
ClientSampled :

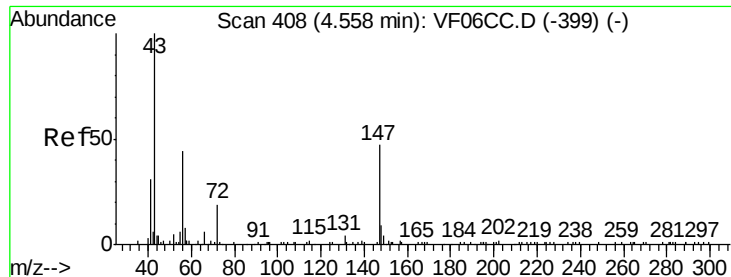
Tot Ion: 43 Resp: 2790
Ion Ratio Lower Upper
43 100
74 25.7 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062917.D
Acq: 10 Jun 2019 20:17

Tgt Ion: 84 Resp: 10126
Ion Ratio Lower Upper
84 100
49 67.0 82.6 123.8#
51 31.2 25.0 37.4
86 78.4 51.5 77.3#

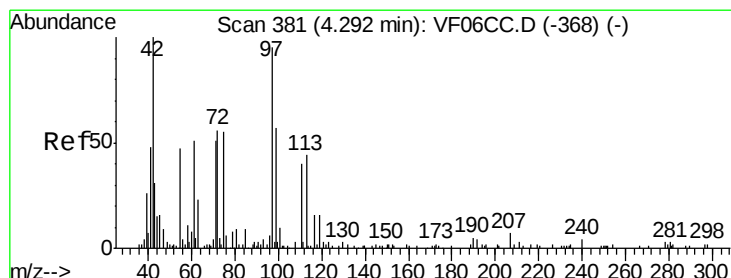
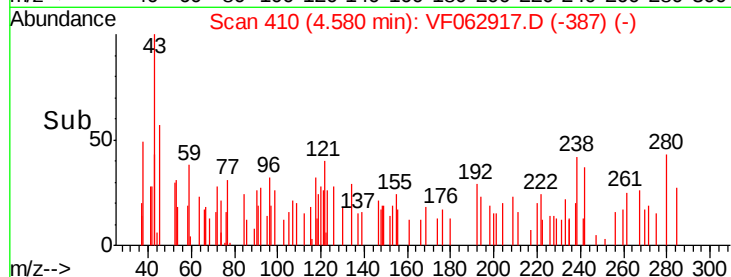
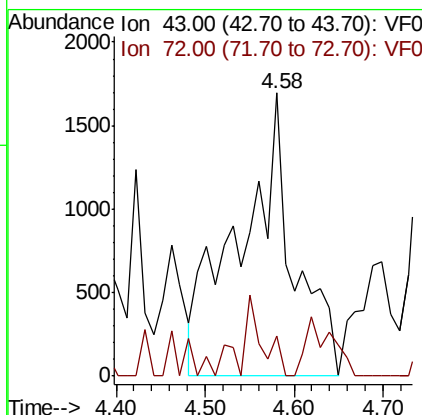
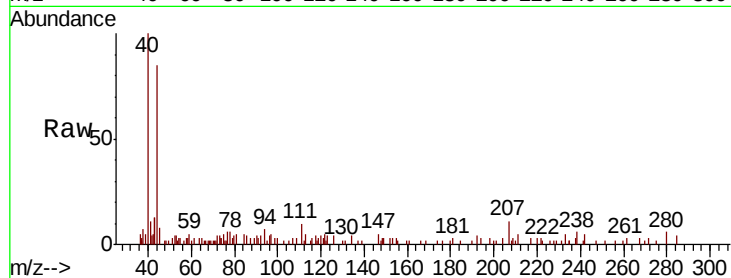




#25
2-Butanone
Concen: 2.714 ug/l
RT: 4.58 min Scan# 410
Delta R.T. 0.03 min
Lab File: VF062917.D
Acq: 10 Jun 2019 20:17

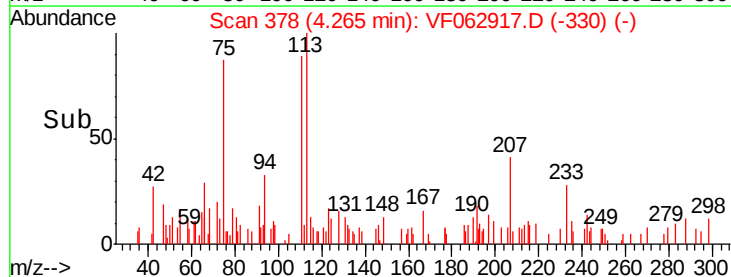
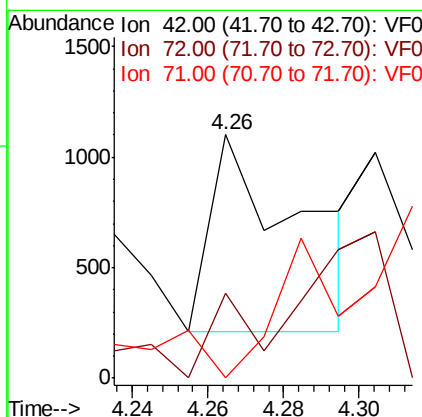
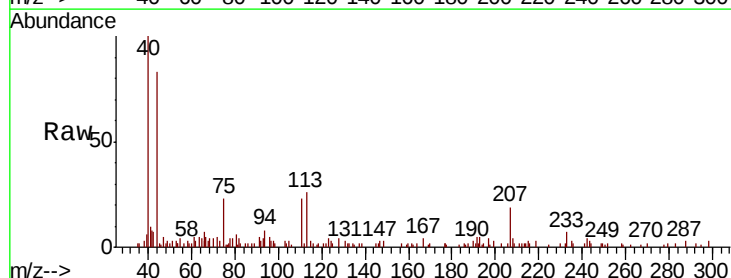
Instrument :
MSVOA_F
ClientSampleId :

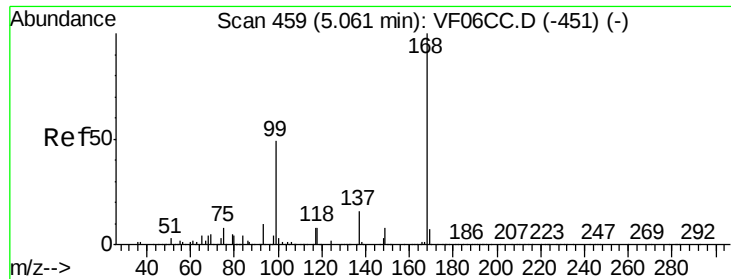
Tot Ion: 43 Resp: 7140
Ion Ratio Lower Upper
43 100
72 14.4 21.4 32.0#



#29
Tetrahydrofuran
Concen: 1.434 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.03 min
Lab File: VF062917.D
Acq: 10 Jun 2019 20:17

Tgt Ion: 42 Resp: 1443
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: 44.941 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF062917.D

Acq: 10 Jun 2019 20:17

Instrument :

MSVOA_F

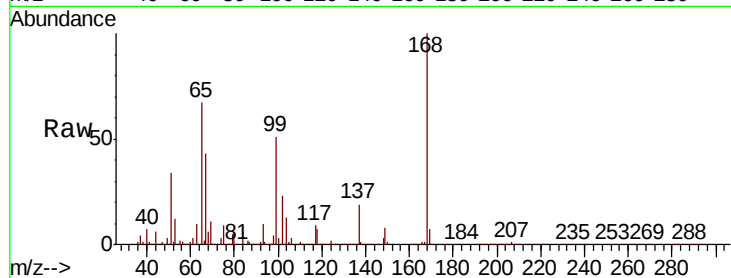
ClientSampled :

Tot Ion: 65 Resp: 221821

Ion Ratio Lower Upper

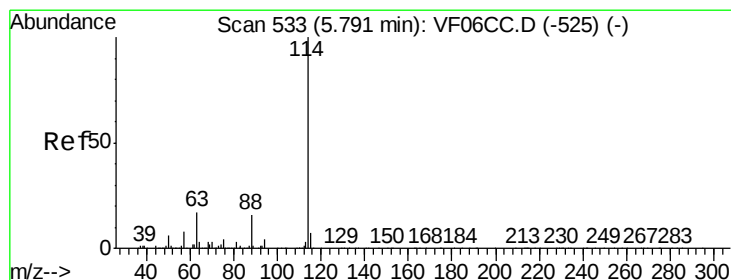
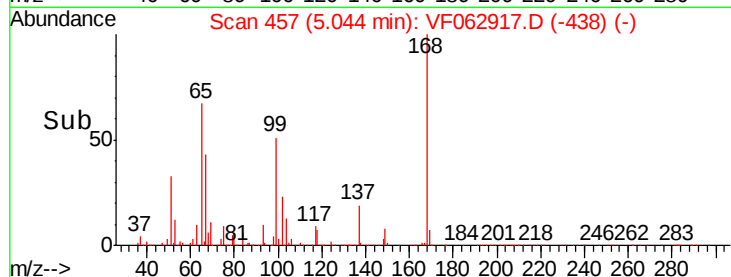
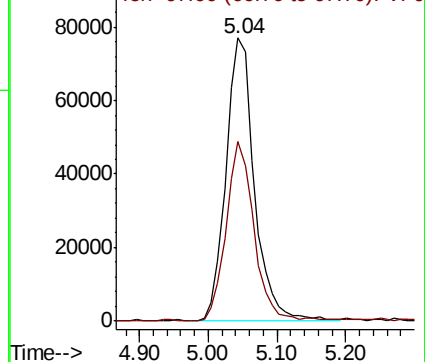
65 100

67 63.7 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.02 min

Lab File: VF062917.D

Acq: 10 Jun 2019 20:17

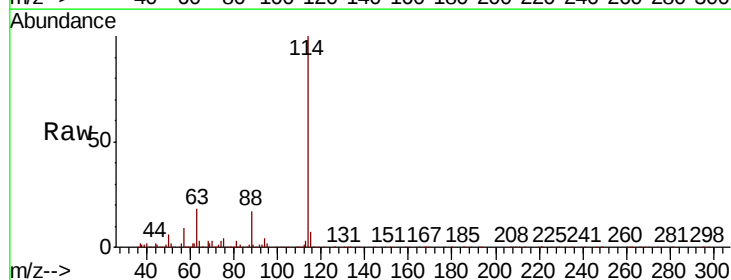
Tgt Ion: 114 Resp: 1195998

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.2

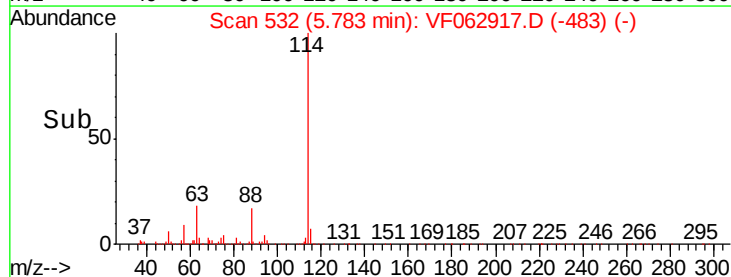
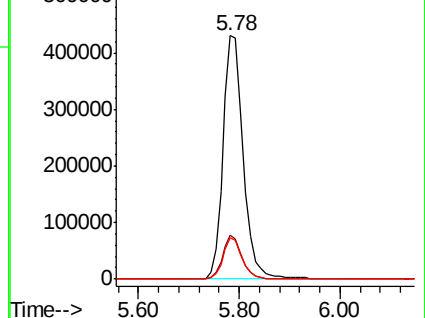
88 16.8 0.0 31.2

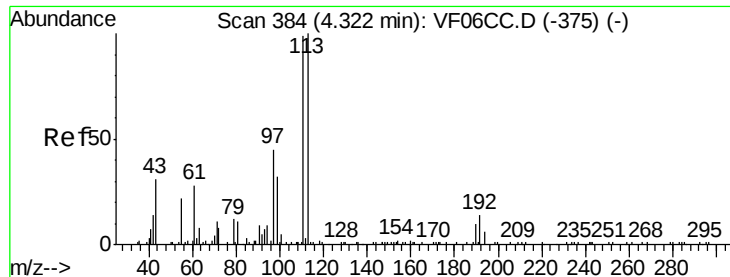


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

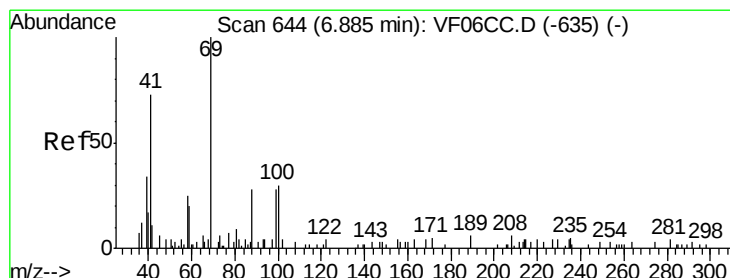
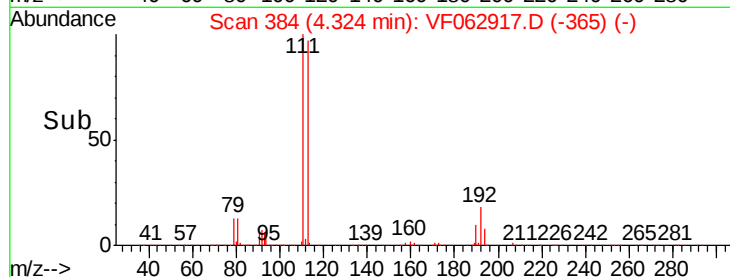
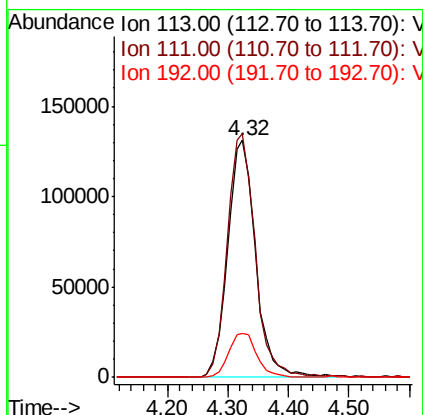
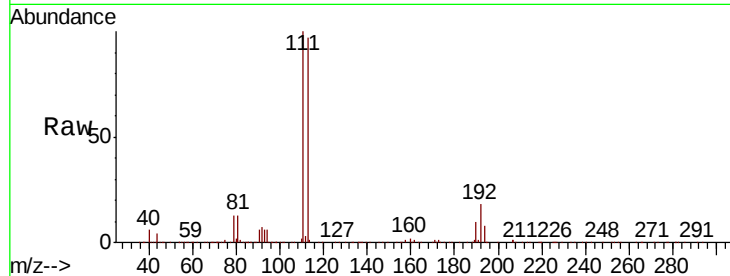




#35
 Dibromofluoromethane
 Concen: 46.434 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VF062917.D
 Acq: 10 Jun 2019 20:17

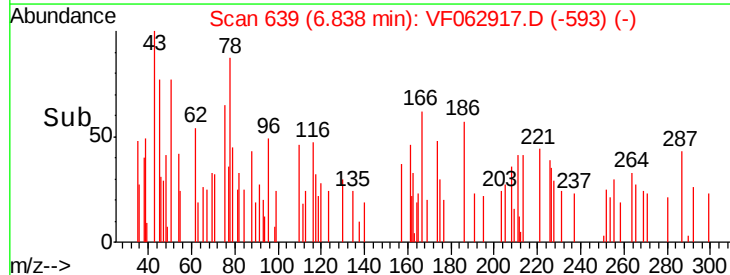
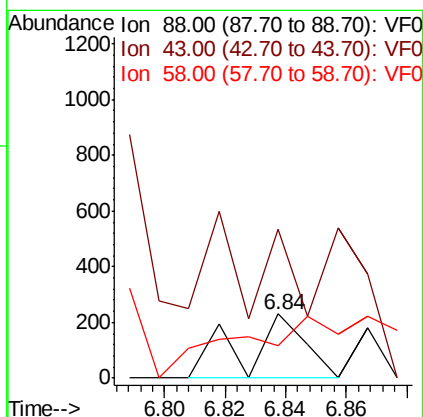
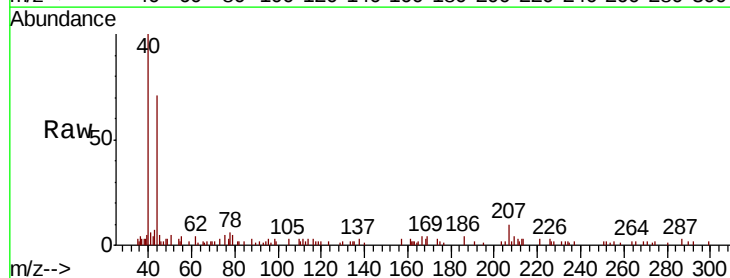
Instrument :
 MSVOA_F
 ClientSampleId :

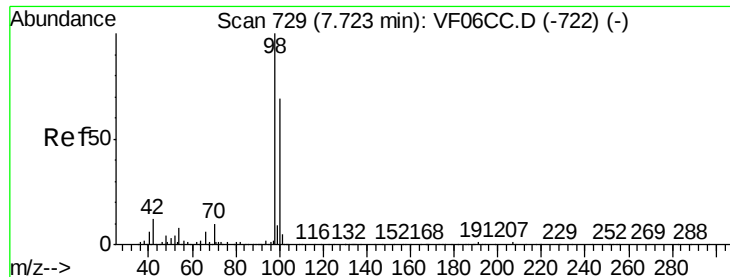
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.9	122.9
192	18.3	15.1	22.7



#49
 1,4-Dioxane
 Concen: 8.526 ug/l
 RT: 6.84 min Scan# 639
 Delta R.T. -0.05 min
 Lab File: VF062917.D
 Acq: 10 Jun 2019 20:17

Tgt Ion	Ratio	Lower	Upper
88	100		
43	231.6	34.8	52.2#
58	50.6	59.9	89.9#





#50

Toluene-d8

Concen: 37.136 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.01 min

Lab File: VF062917.D

Acq: 10 Jun 2019 20:17

Instrument :

MSVOA_F

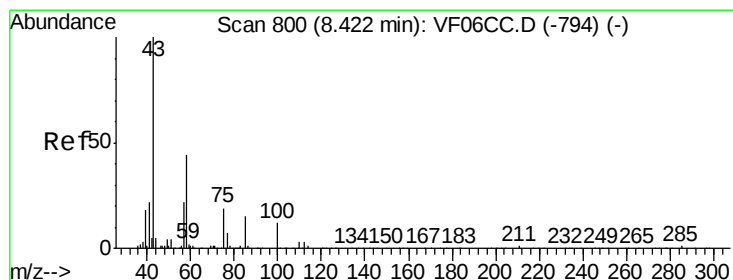
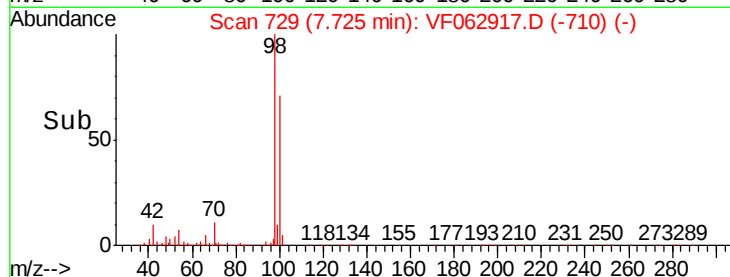
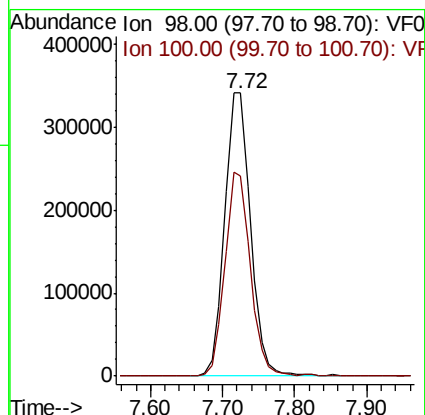
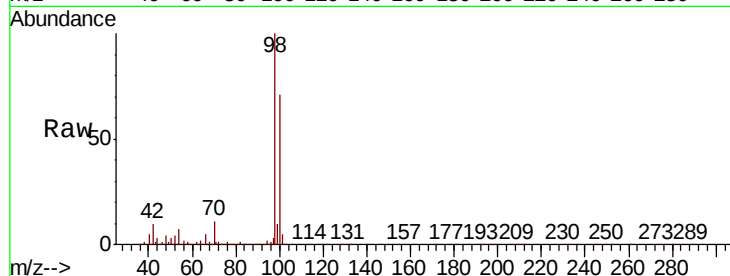
ClientSampleId :

Tot Ion: 98 Resp: 848704

Ion Ratio Lower Upper

98 100

100 70.8 59.8 89.8



#51

4-Methyl-2-Pentanone

Concen: 1.286 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF062917.D

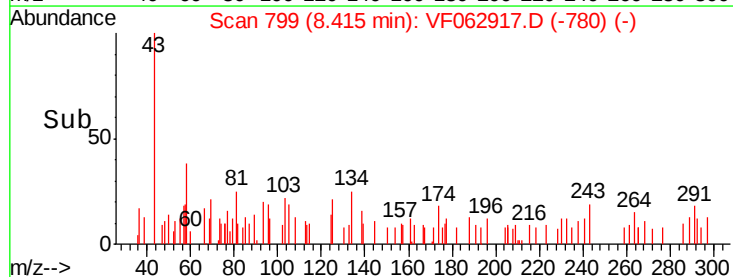
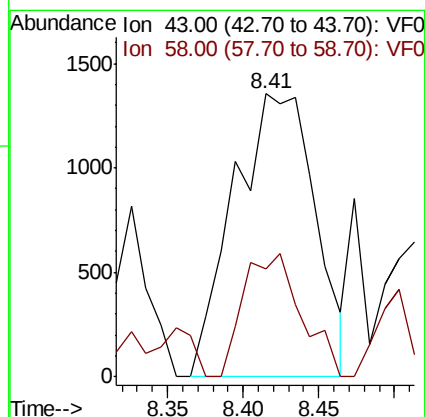
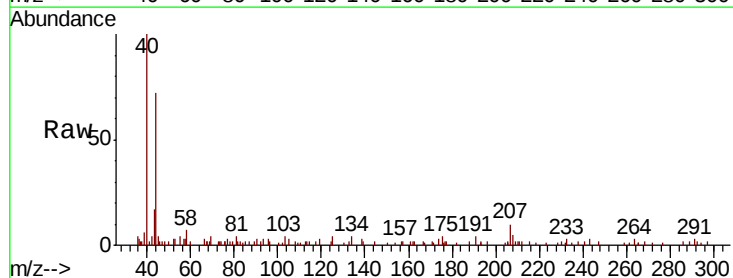
Acq: 10 Jun 2019 20:17

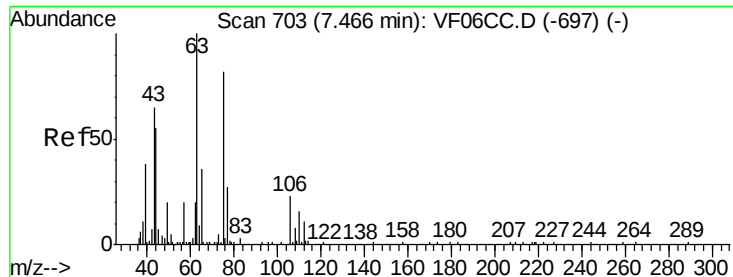
Tgt Ion: 43 Resp: 5105

Ion Ratio Lower Upper

43 100

58 37.9 35.5 53.3

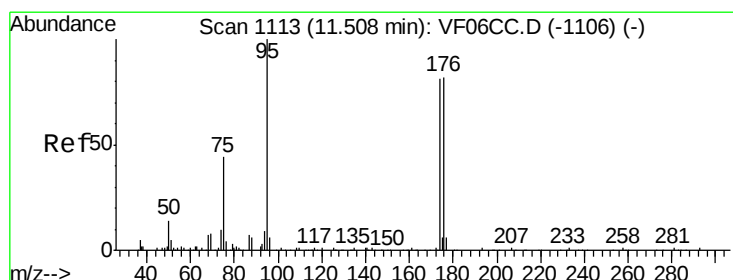
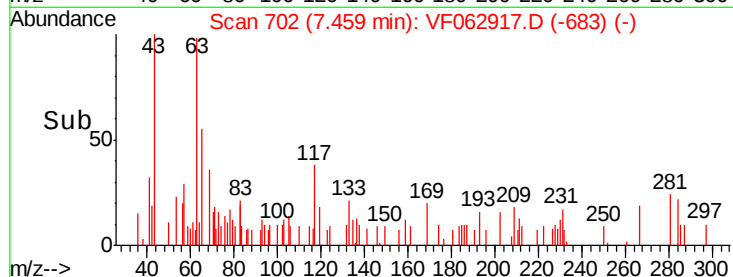
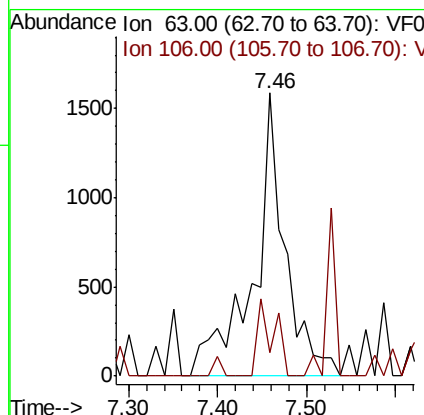
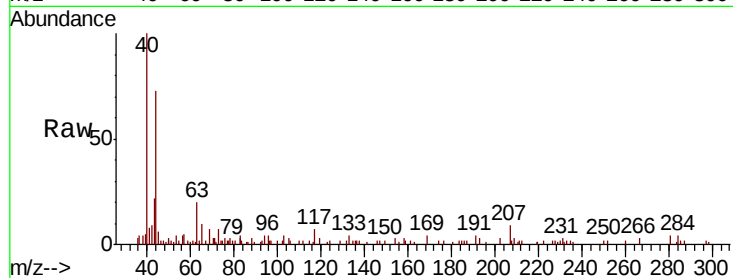




#58
2-Chloroethyl Vinyl ether
Concen: 1.994 ug/l
RT: 7.46 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF062917.D
Acq: 10 Jun 2019 20:17

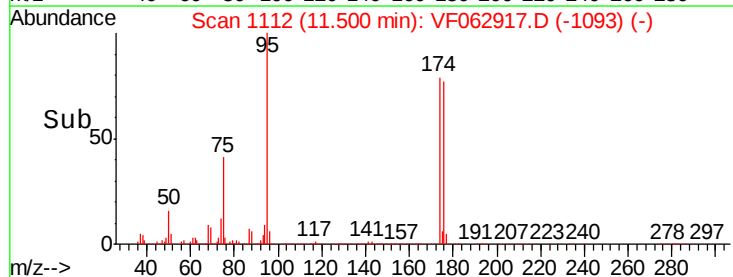
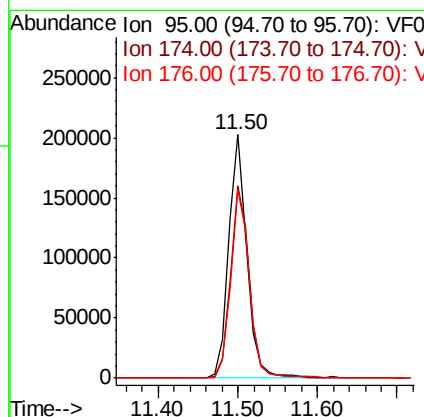
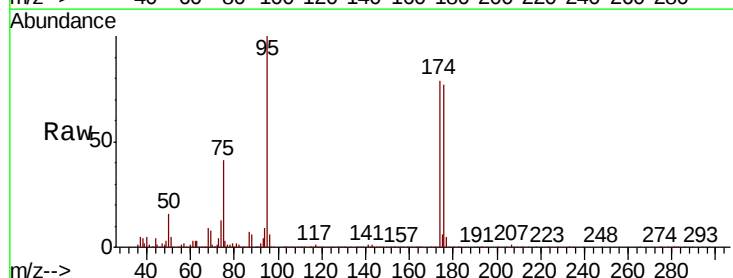
Instrument :
MSVOA_F
ClientSampleId :

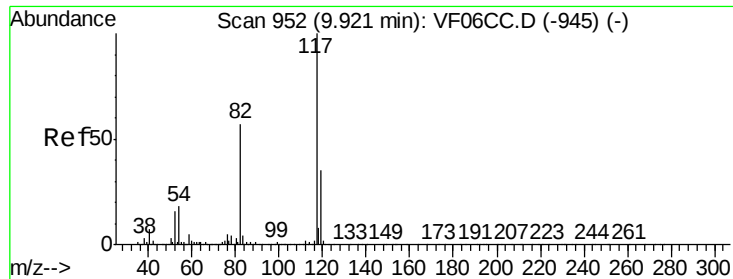
Tot Ion: 63 Resp: 3855
Ion Ratio Lower Upper
63 100
106 8.4 19.5 29.3#



#62
4-Bromofluorobenzene
Concen: 40.055 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062917.D
Acq: 10 Jun 2019 20:17

Tgt Ion: 95 Resp: 329287
Ion Ratio Lower Upper
95 100
174 78.8 0.0 170.6
176 77.3 0.0 170.6

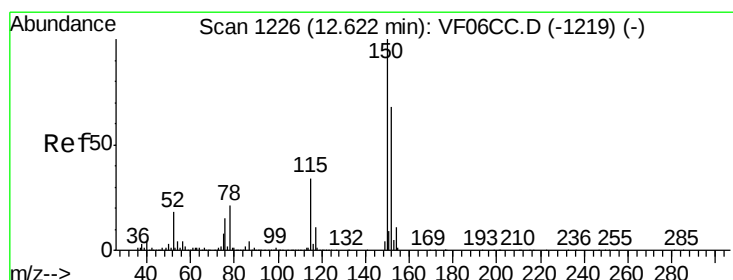
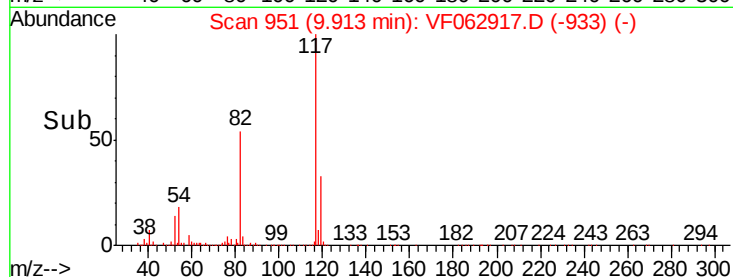
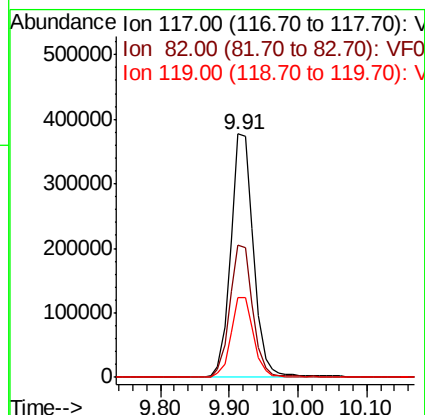
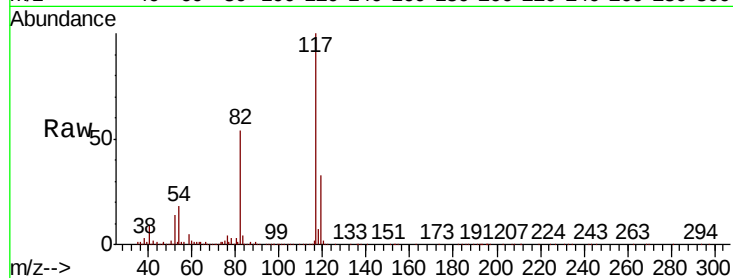




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF062917.D
Acq: 10 Jun 2019 20:17

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 864175
Ion Ratio Lower Upper
117 100
82 54.1 42.4 63.6
119 32.6 27.1 40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062917.D
Acq: 10 Jun 2019 20:17

Tgt Ion:152 Resp: 417194
Ion Ratio Lower Upper
152 100
115 55.6 24.6 74.0
150 149.1 0.0 290.6

