

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061433.D
 Acq On : 17 Jan 2019 1:26
 Operator : VA/AP
 Sample : K1157-14
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-07-011519

Quant Time: Jan 17 03:00:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	118894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	196568	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	138584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	40255	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	67462	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	
35) Dibromofluoromethane	4.10	113	76686	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
50) Toluene-d8	7.54	98	175086	41.20	ug/l	0.00
Spiked Amount			Recovery	=	82.40%	
62) 4-Bromofluorobenzene	11.40	95	54060	27.23	ug/l	0.00
Spiked Amount			Recovery	=	54.46%	

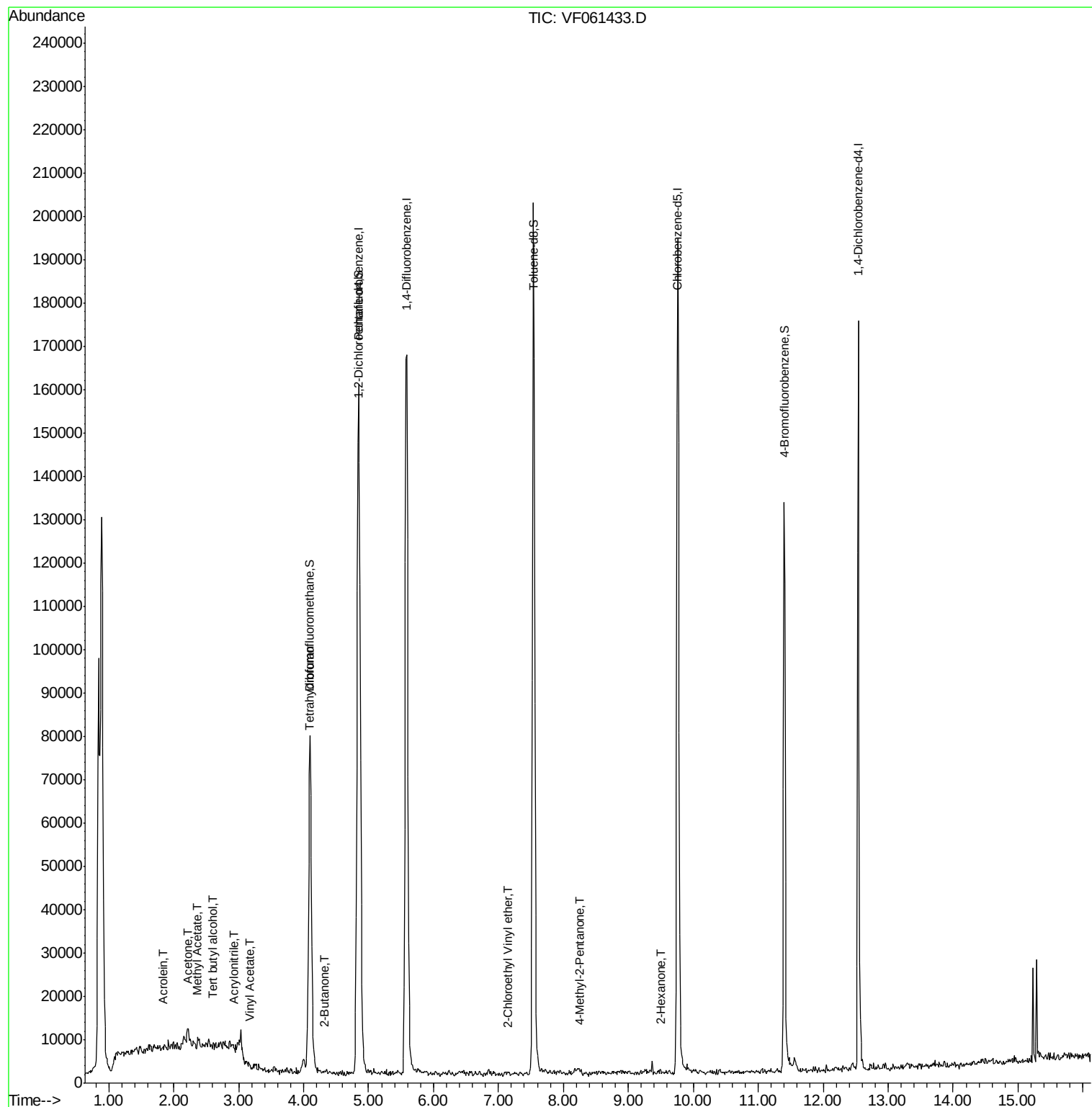
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.62	59	65	1.046	ug/l #	1
13) Acrolein	1.82	56	115	12.397	ug/l	95
14) Allyl chloride	2.08	41	796	Below Cal	#	63
15) Acrylonitrile	2.93	53	214	1.345	ug/l #	14
16) Acetone	2.21	43	1693	5.749	ug/l	100
18) Methyl Acetate	2.35	43	1132	1.938	ug/l #	61
20) Methylene Chloride	2.17	84	667	Below Cal	#	87
23) Vinyl Acetate	3.18	43	459	3.468	ug/l #	78
25) 2-Butanone	4.32	43	743	1.517	ug/l #	57
29) Tetrahydrofuran	4.08	42	370	1.755	ug/l #	38
51) 4-Methyl-2-Pentanone	8.26	43	1207	1.436	ug/l #	73
58) 2-Chloroethyl Vinyl ether	7.15	63	135	28.556	ug/l #	47
59) 2-Hexanone	9.49	43	1218	2.078	ug/l	99

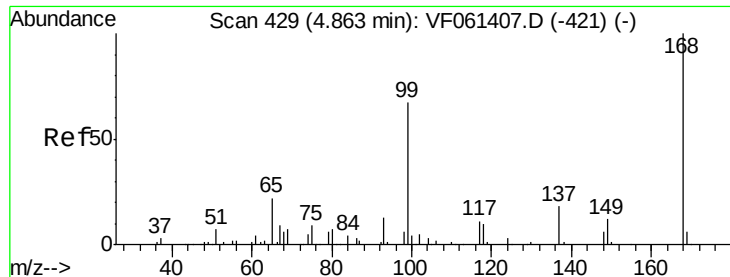
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011619\
Data File : VF061433.D
Acq On : 17 Jan 2019 1:26
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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061433.D

Acq: 17 Jan 2019 1:26

Instrument :

MSVOA_F

ClientSampleId :

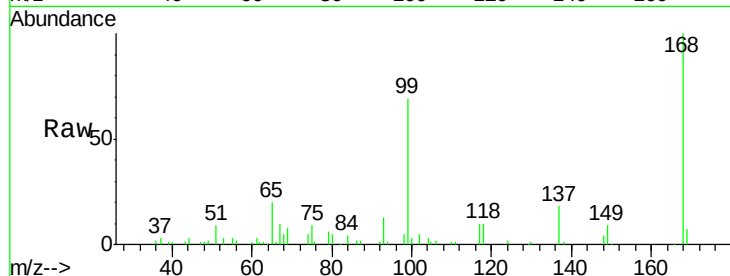
WC-07-011519

Tot Ion:168 Resp: 118894

Ion Ratio Lower Upper

168 100

99 68.8 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

40000

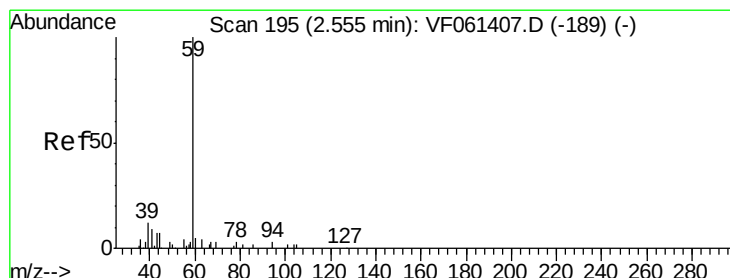
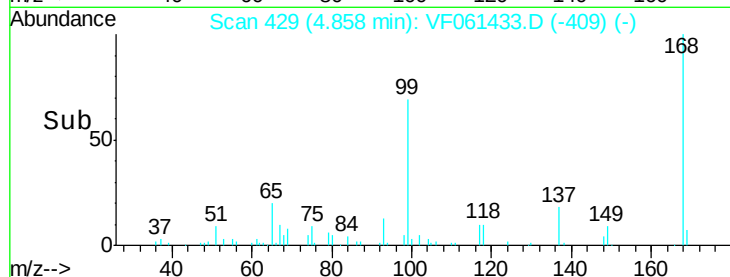
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.046 ug/l

RT: 2.62 min Scan# 202

Delta R.T. 0.06 min

Lab File: VF061433.D

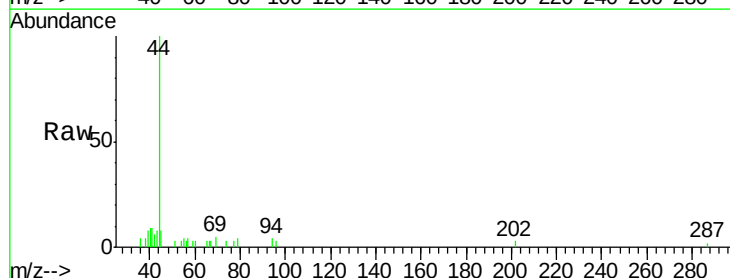
Acq: 17 Jan 2019 1:26

Tgt Ion: 59 Resp: 65

Ion Ratio Lower Upper

59 100

57 140.4 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.62

300

250

200

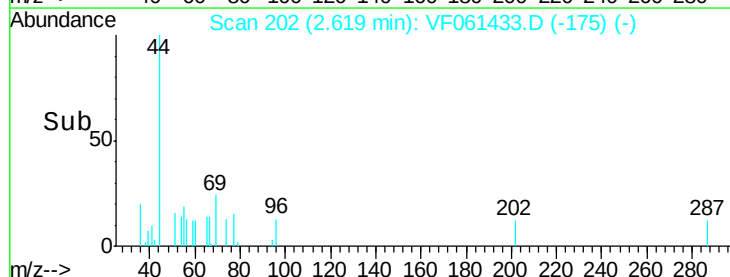
150

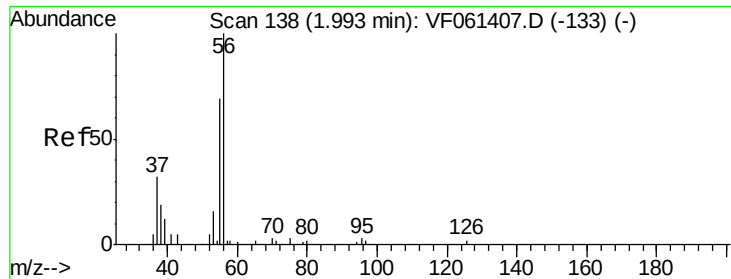
100

50

0

Time-->





#13

Acrolein

Concen: 12.397 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.17 min

Lab File: VF061433.D

Acq: 17 Jan 2019 1:26

Instrument :

MSVOA_F

ClientSampleId :

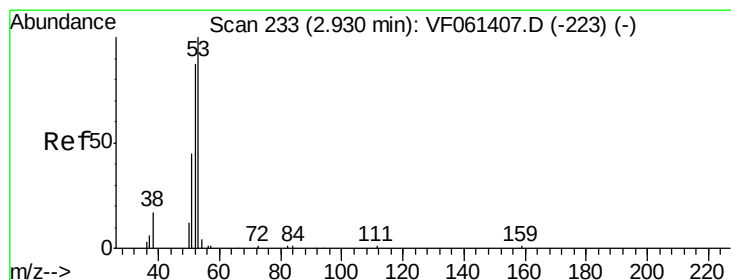
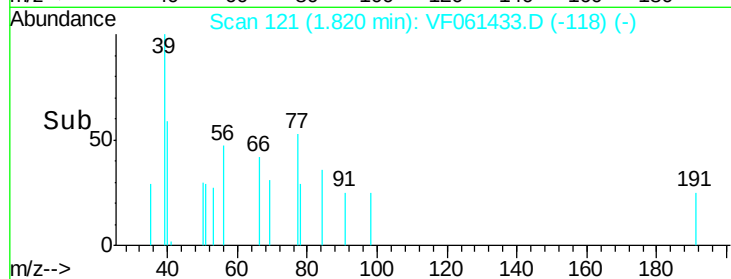
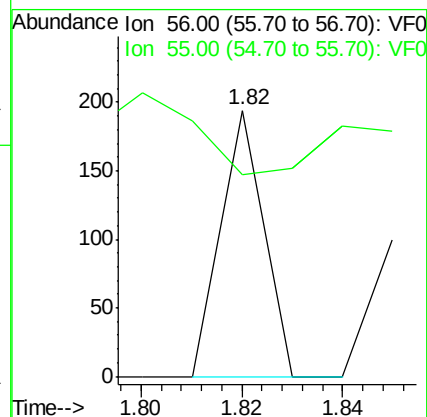
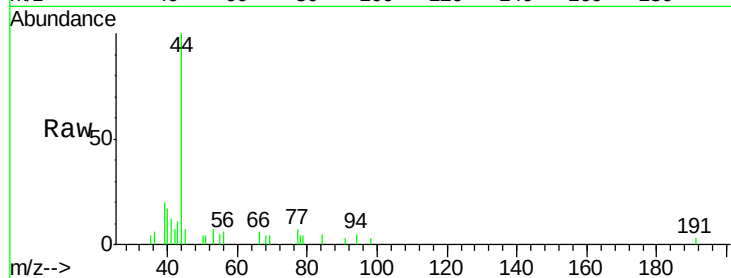
WC-07-011519

Tot Ion: 56 Resp: 115

Ion Ratio Lower Upper

56 100

55 75.8 57.5 86.3



#15

Acrylonitrile

Concen: 1.345 ug/l

RT: 2.93 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061433.D

Acq: 17 Jan 2019 1:26

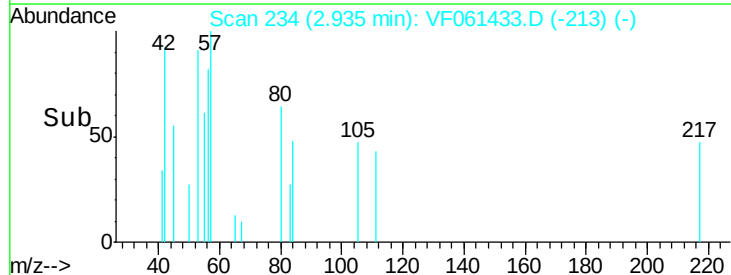
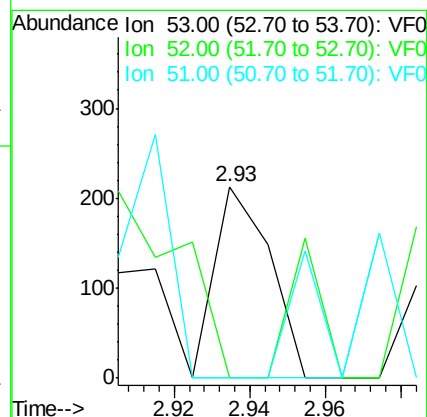
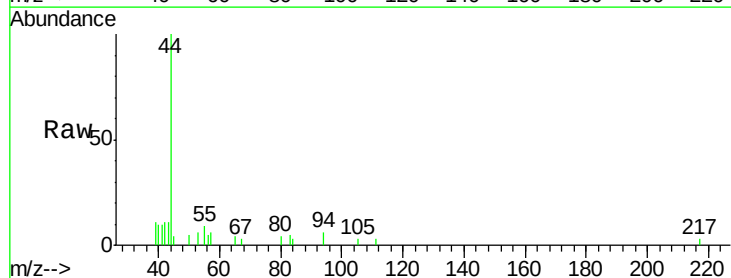
Tgt Ion: 53 Resp: 214

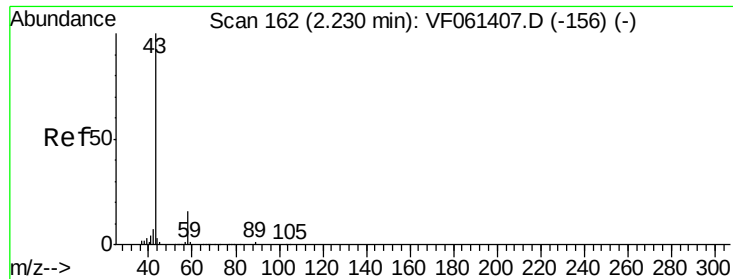
Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

51 0.0 36.8 55.2#





#16

Acetone

Concen: 5.749 ug/l

RT: 2.21 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061433.D

Acq: 17 Jan 2019 1:26

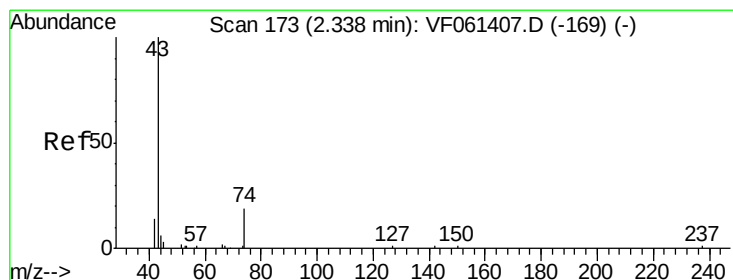
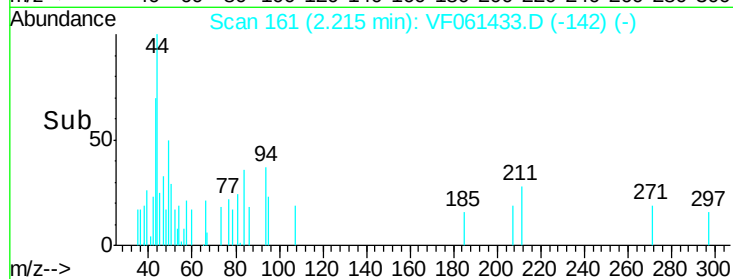
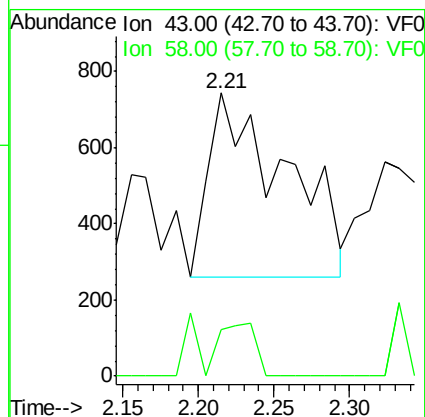
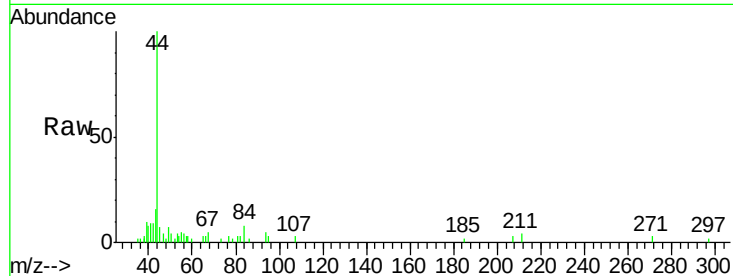
Instrument :
MSVOA_F
ClientSampleId :
WC-07-011519

Tot Ion: 43 Resp: 1693

Ion Ratio Lower Upper

43 100

58 16.6 13.3 19.9



#18

Methyl Acetate

Concen: 1.938 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF061433.D

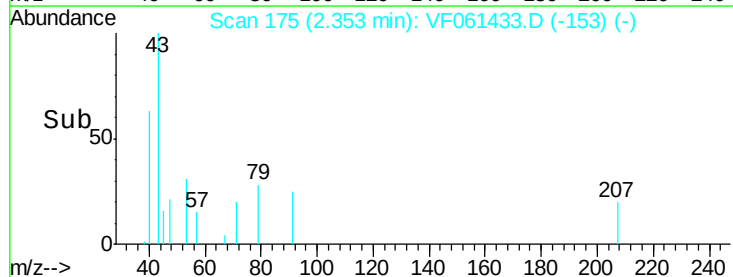
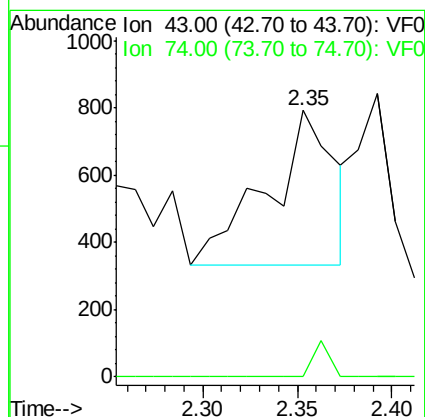
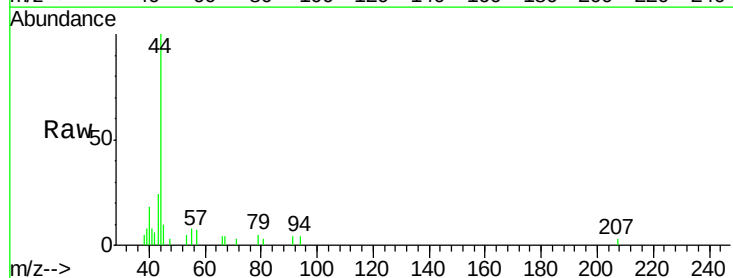
Acq: 17 Jan 2019 1:26

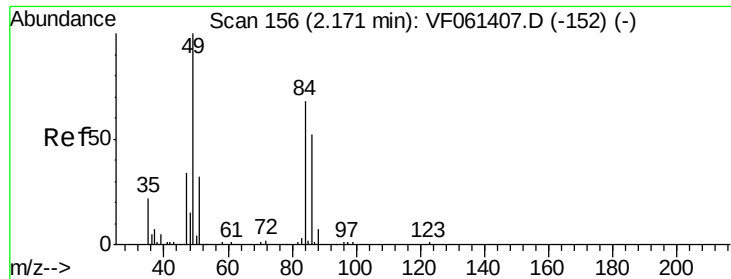
Tgt Ion: 43 Resp: 1132

Ion Ratio Lower Upper

43 100

74 0.0 13.4 20.0#





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.17 min Scan# 156

Delta R.T. -0.00 min

Lab File: VF061433.D

Acq: 17 Jan 2019 1:26

Instrument :

MSVOA_F

ClientSampleId :

WC-07-011519

Tot Ion: 84 Resp: 667

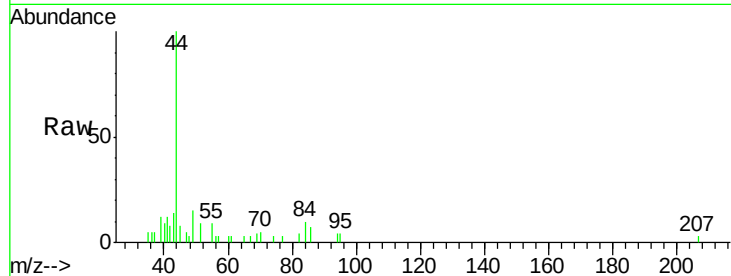
Ion Ratio Lower Upper

84 100

49 152.3 120.0 180.0

51 86.4 38.6 58.0#

86 69.2 61.0 91.6

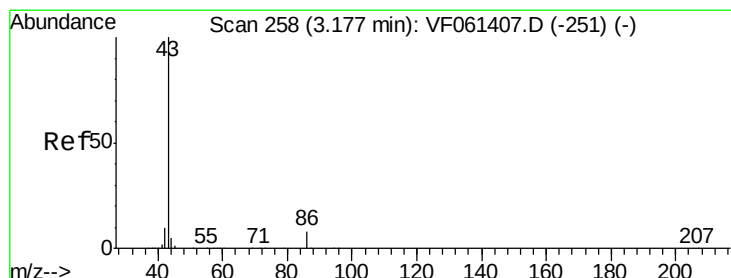
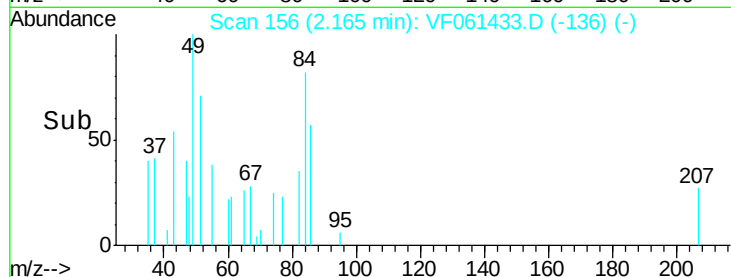
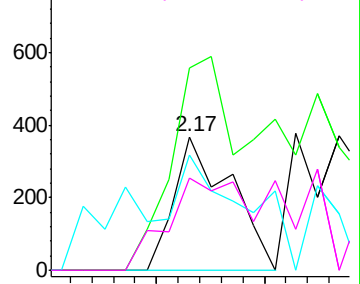


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#23

Vinyl Acetate

Concen: 3.468 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061433.D

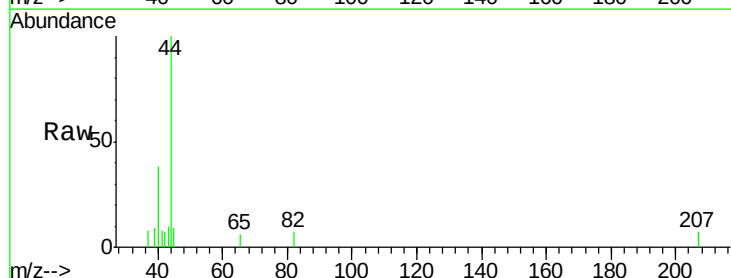
Acq: 17 Jan 2019 1:26

Tgt Ion: 43 Resp: 459

Ion Ratio Lower Upper

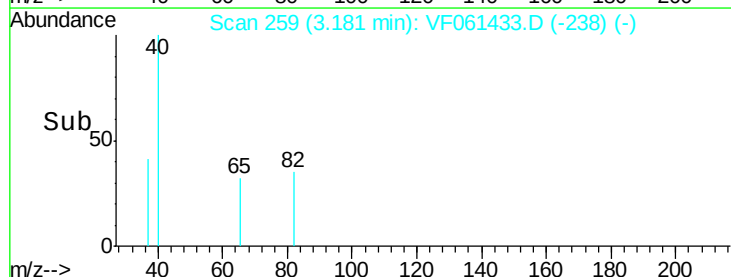
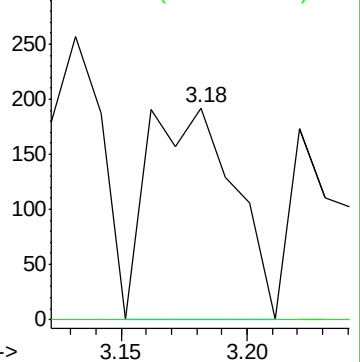
43 100

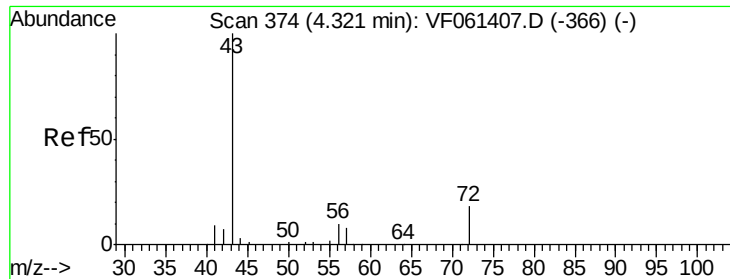
86 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#25

2-Butanone

Concen: 1.517 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061433.D

Acq: 17 Jan 2019 1:26

Instrument :

MSVOA_F

ClientSampleId :

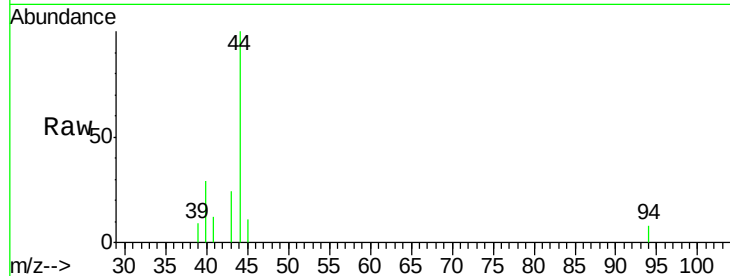
WC-07-011519

Tot Ion: 43 Resp: 743

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.32

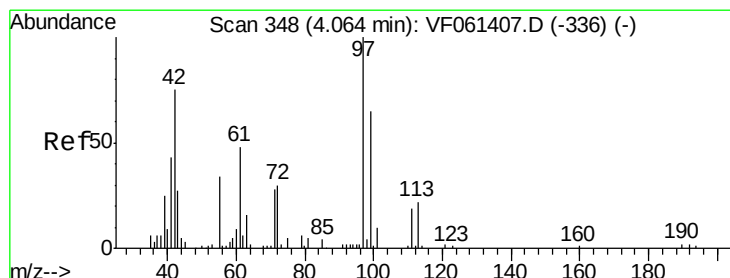
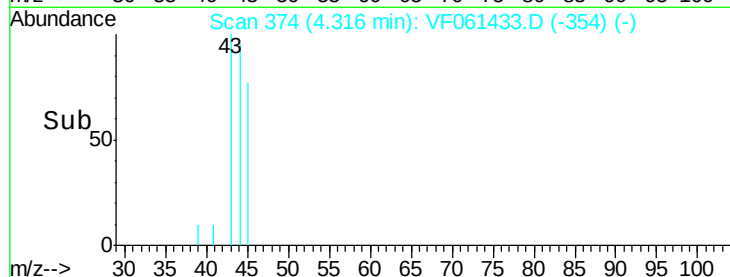
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 1.755 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061433.D

Acq: 17 Jan 2019 1:26

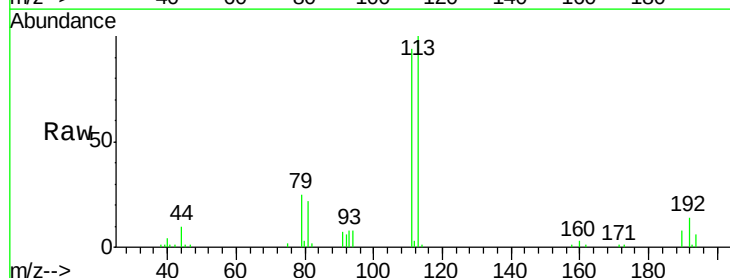
Tgt Ion: 42 Resp: 370

Ion Ratio Lower Upper

42 100

72 0.0 28.9 43.3#

71 0.0 29.6 44.4#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

250

200

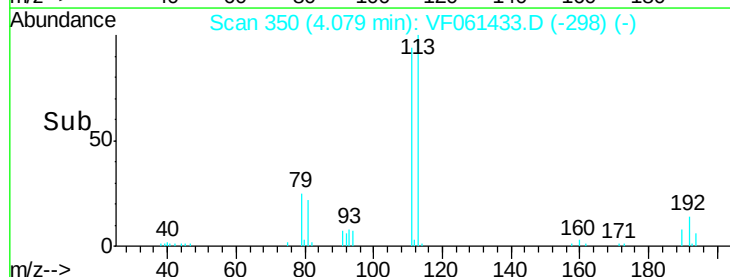
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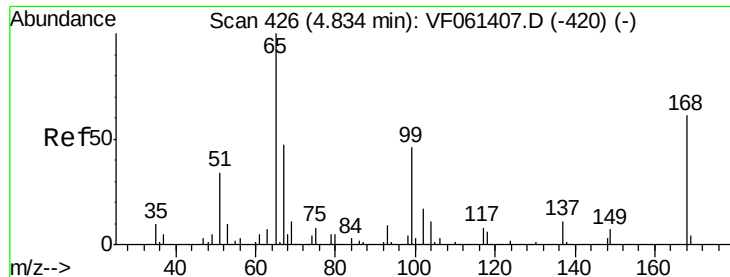
100

50

0

Time-->

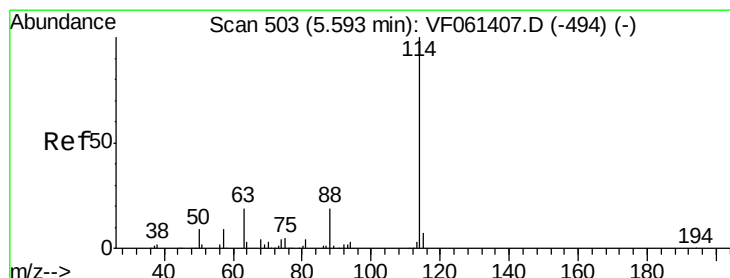
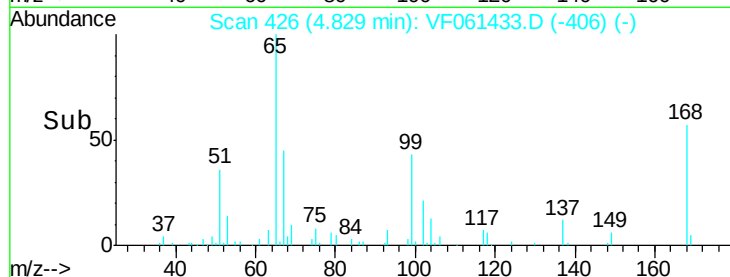
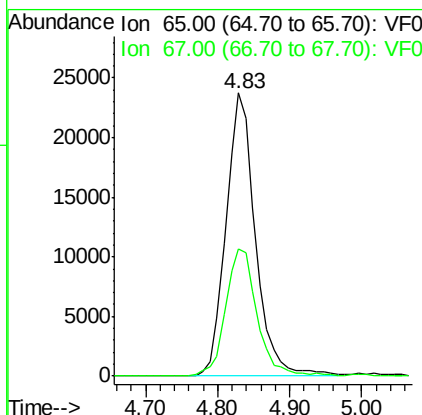
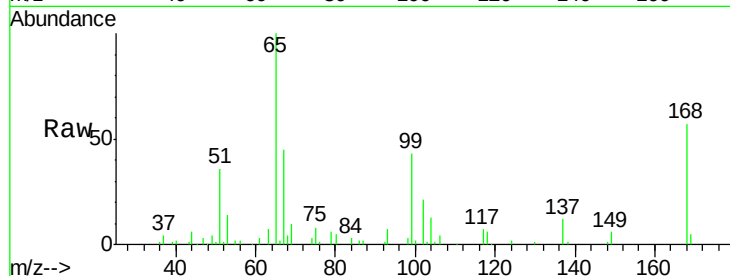




#33
 1,2-Dichloroethane-d4
 Concen: 45.958 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF061433.D
 Acq: 17 Jan 2019 1:26

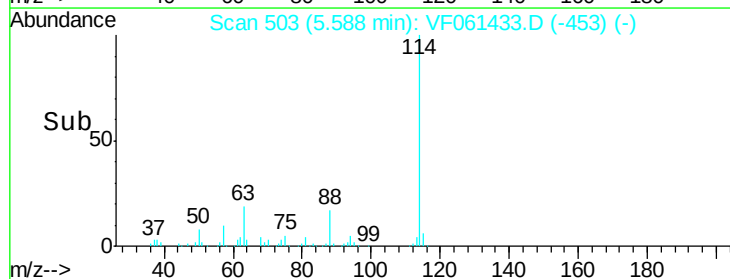
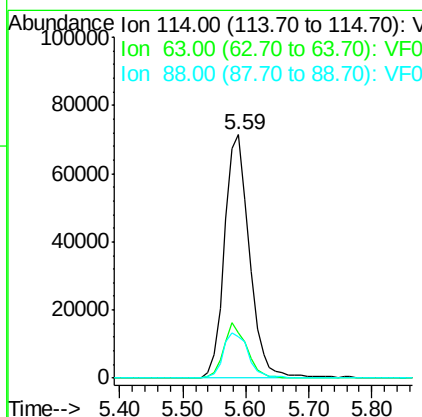
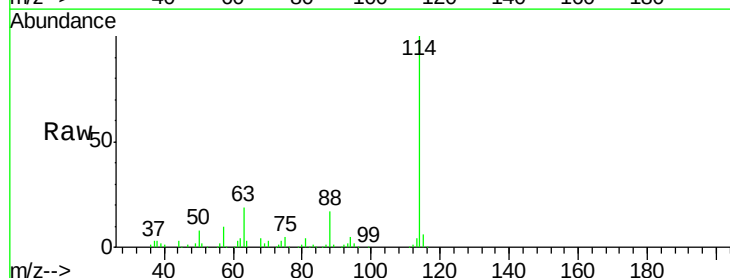
Instrument :
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 WC-07-011519

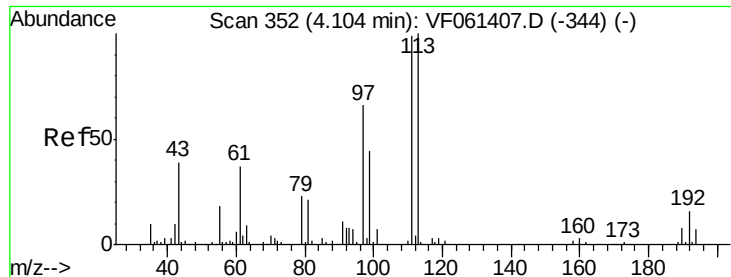
Tot Ion: 65 Resp: 67462
 Ion Ratio Lower Upper
 65 100
 67 44.9 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061433.D
 Acq: 17 Jan 2019 1:26

Tgt Ion: 114 Resp: 196568
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.0
 88 17.0 0.0 37.4

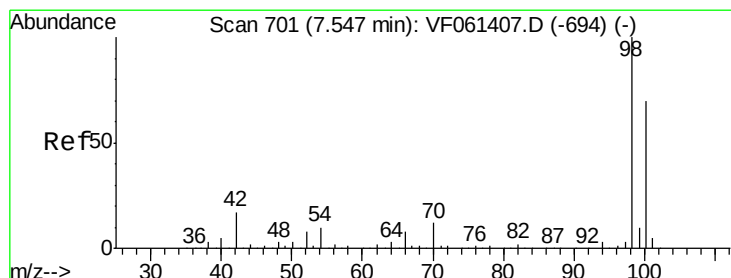
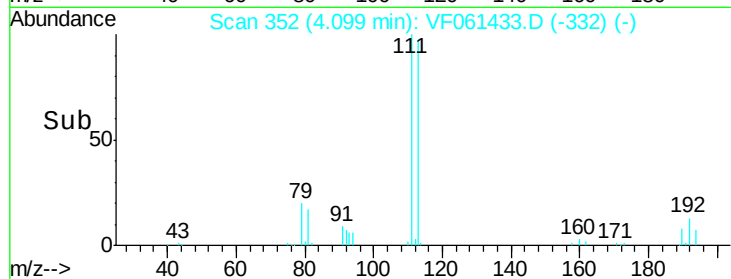
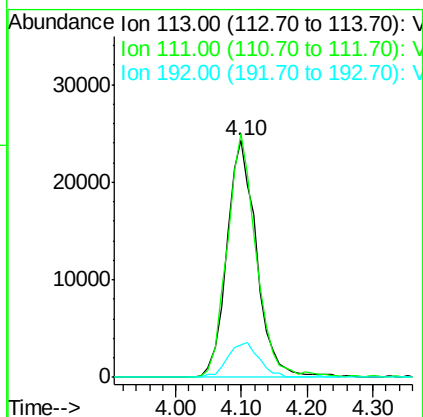
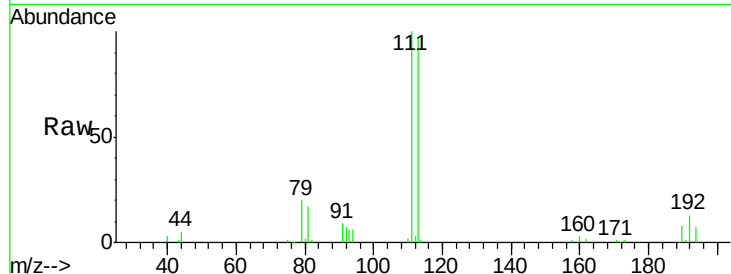




#35
 Dibromofluoromethane
 Concen: 49.440 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VF061433.D
 Acq: 17 Jan 2019 1:26

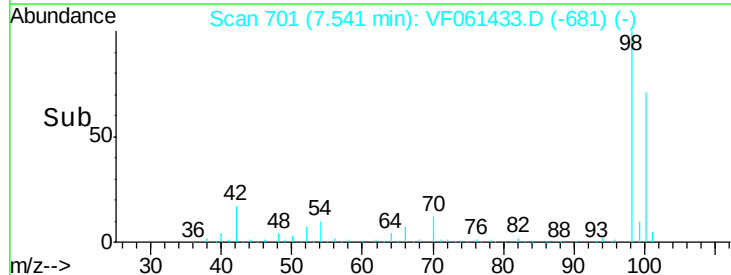
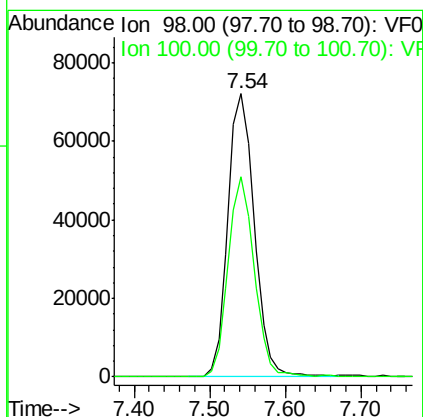
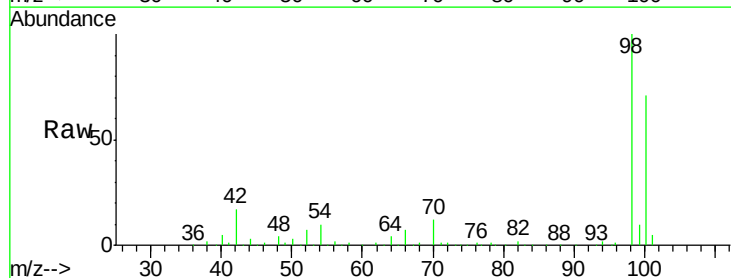
Instrument :
 MSVOA_F
 ClientSampleId :
 WC-07-011519

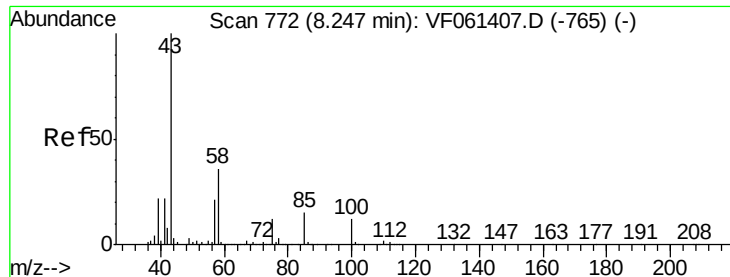
Tot Ion:113 Resp: 76686
 Ion Ratio Lower Upper
 113 100
 111 102.9 79.4 119.0
 192 13.7 12.4 18.6



#50
 Toluene-d8
 Concen: 41.200 ug/l
 RT: 7.54 min Scan# 701
 Delta R.T. -0.01 min
 Lab File: VF061433.D
 Acq: 17 Jan 2019 1:26

Tgt Ion: 98 Resp: 175086
 Ion Ratio Lower Upper
 98 100
 100 70.7 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 1.436 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.01 min

Lab File: VF061433.D

Acq: 17 Jan 2019 1:26

Instrument :

MSVOA_F

ClientSampleId :

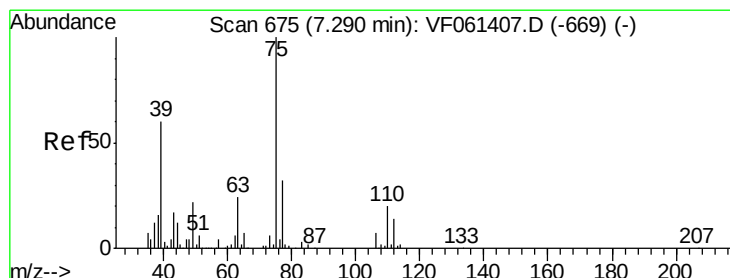
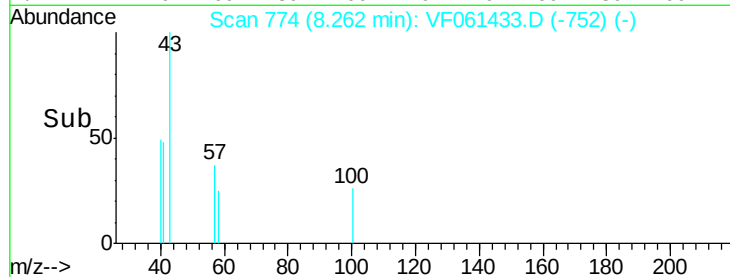
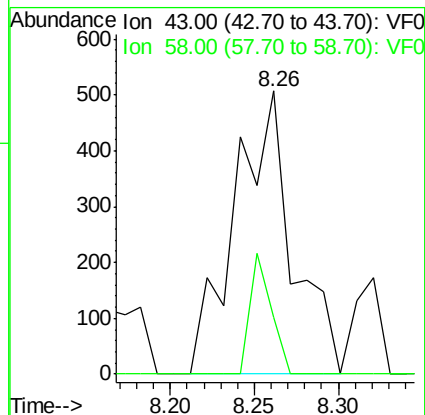
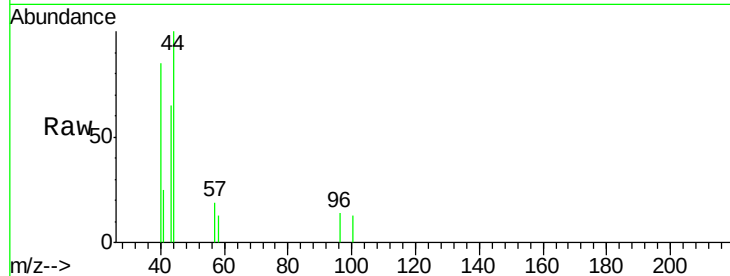
WC-07-011519

Tot Ion: 43 Resp: 1207

Ion Ratio Lower Upper

43 100

58 19.9 28.8 43.2#



#58

2-Chloroethyl Vinyl ether

Concen: 28.556 ug/l

RT: 7.15 min Scan# 661

Delta R.T. -0.14 min

Lab File: VF061433.D

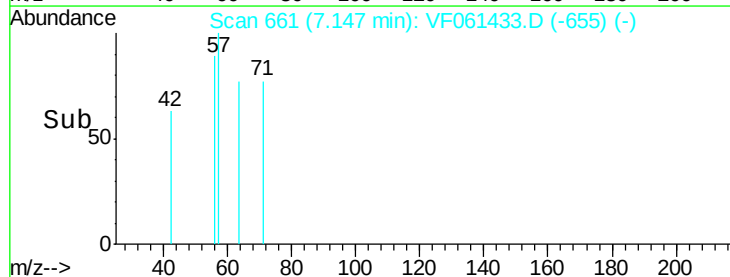
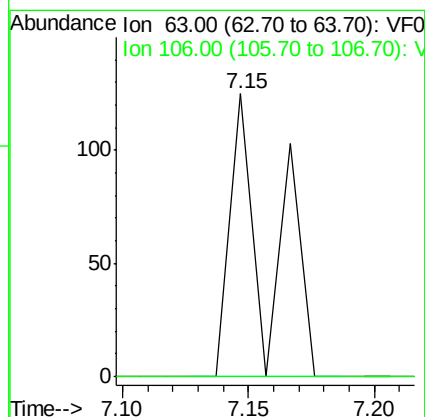
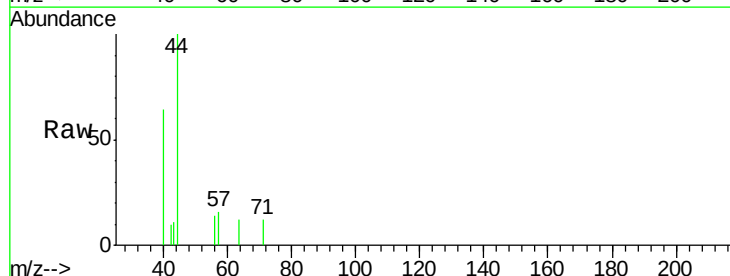
Acq: 17 Jan 2019 1:26

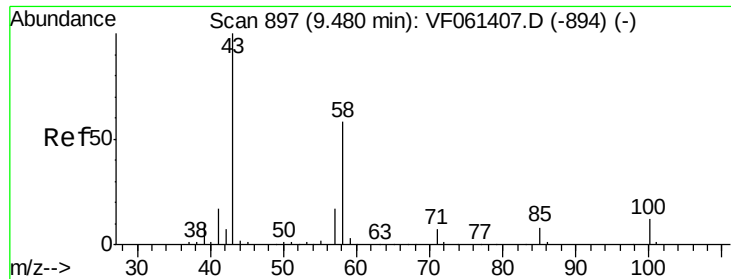
Tgt Ion: 63 Resp: 135

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#

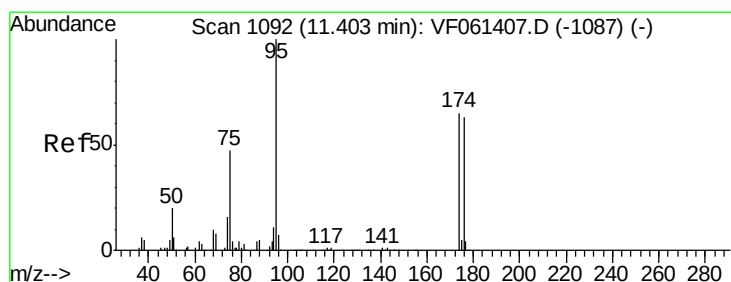
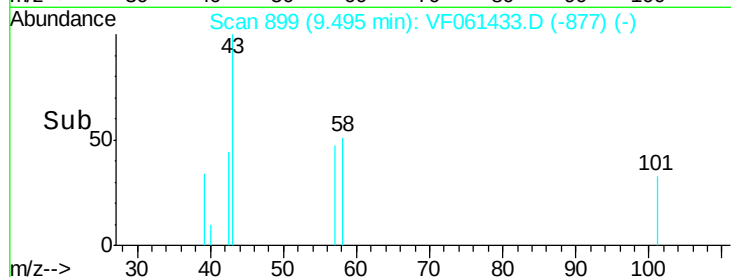
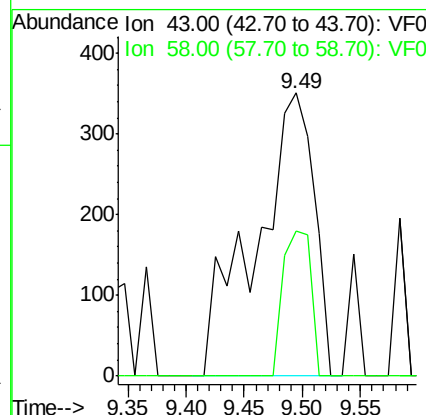
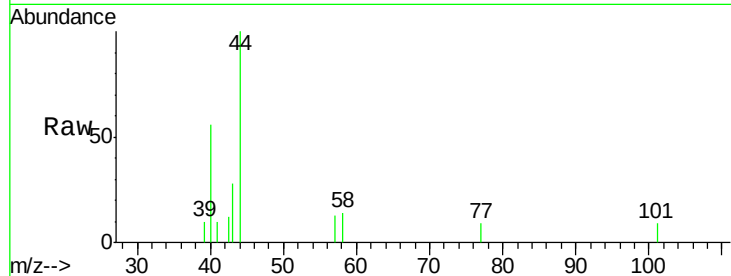




#59
2-Hexanone
Concen: 2.078 ug/l
RT: 9.49 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061433.D
Acq: 17 Jan 2019 1:26

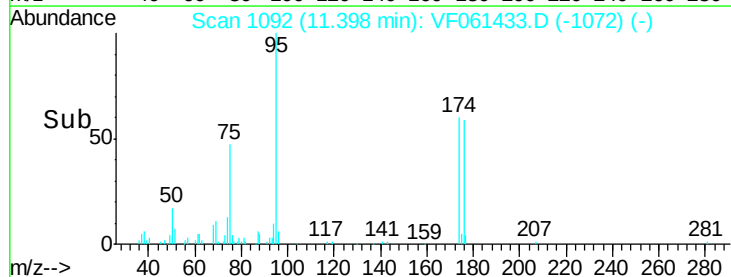
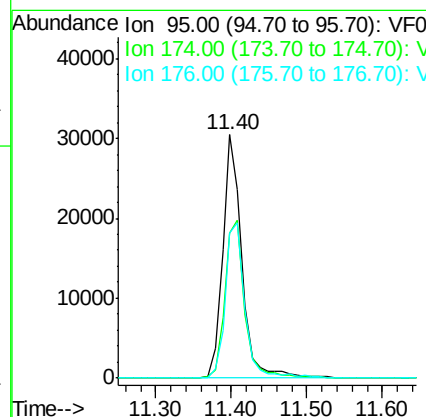
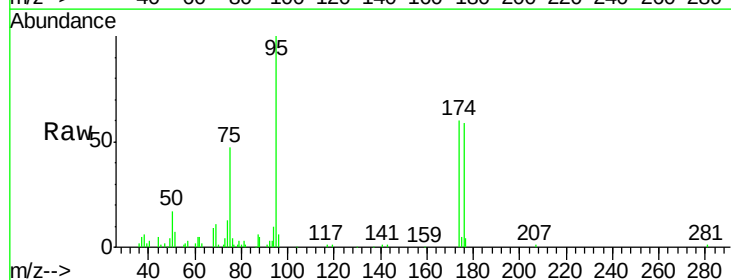
Instrument :
MSVOA_F
ClientSampleId :
WC-07-011519

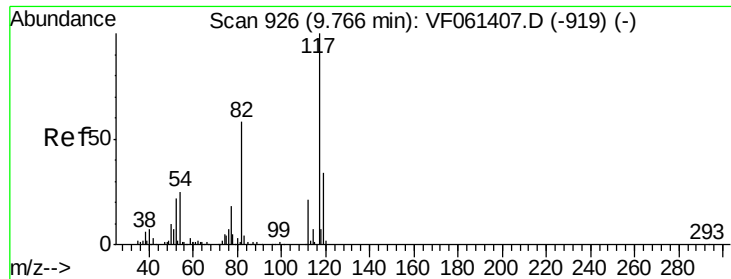
Tot Ion: 43 Resp: 1218
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.6



#62
4-Bromofluorobenzene
Concen: 27.226 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061433.D
Acq: 17 Jan 2019 1:26

Tgt Ion: 95 Resp: 54060
Ion Ratio Lower Upper
95 100
174 59.6 0.0 130.4
176 59.3 0.0 126.2

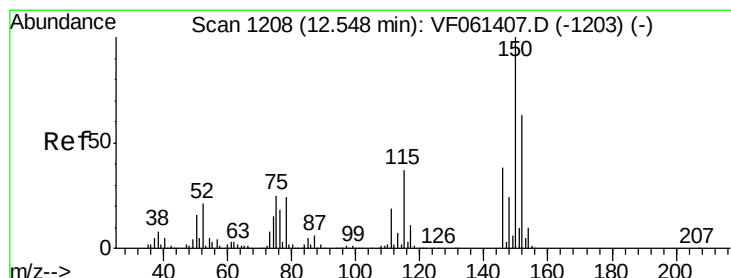
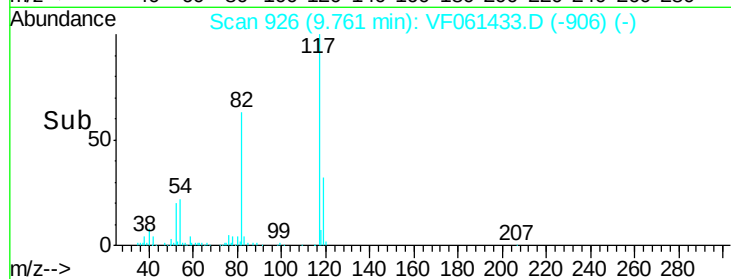
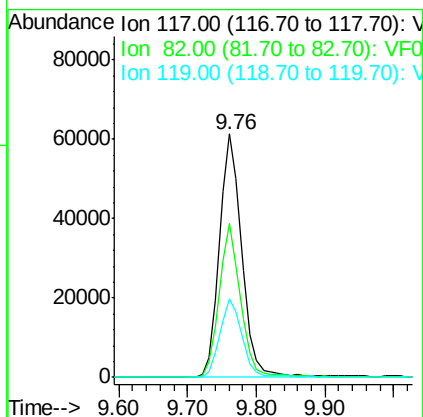
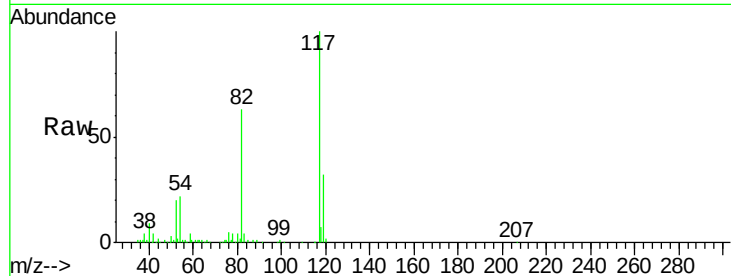




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061433.D
Acq: 17 Jan 2019 1:26

Instrument :
MSVOA_F
ClientSampleId :
WC-07-011519

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.2	46.4	69.6
119	32.2	27.2	40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061433.D
Acq: 17 Jan 2019 1:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	30.0	90.0
150	157.1	0.0	321.4

