

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061443.D
 Acq On : 17 Jan 2019 14:29
 Operator : VA/AP
 Sample : K1157-08RE
 Misc : 5.02g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-04-011519

Quant Time: Jan 18 03:18:35 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	4.85	168	181797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	338918	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	238113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	80369	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	120683	53.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.54%	
35) Dibromofluoromethane	4.09	113	148047	55.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.72%	
50) Toluene-d8	7.54	98	340579	46.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.96%	
62) 4-Bromofluorobenzene	11.39	95	121609	35.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.04%	

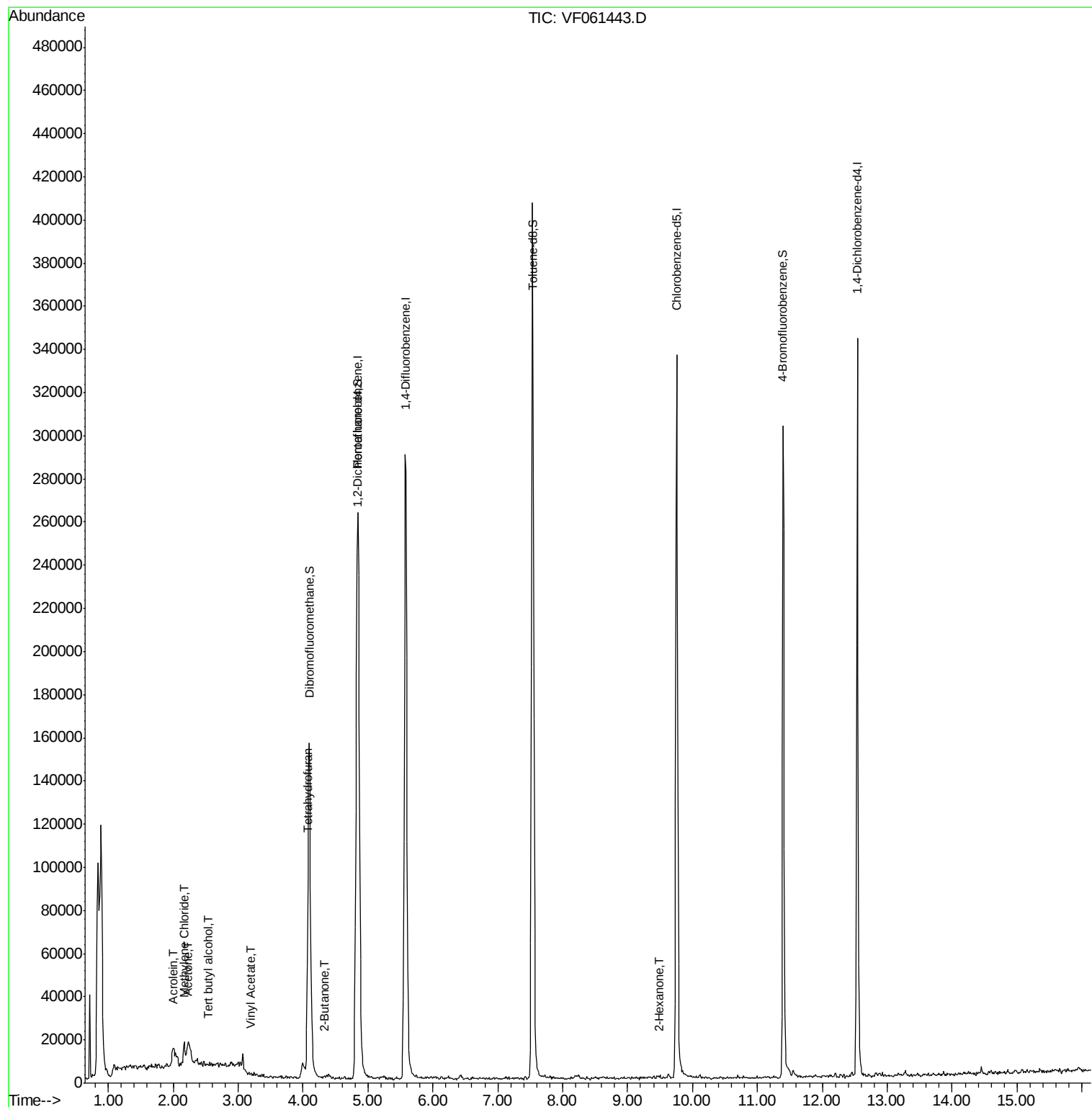
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.55	59	162	1.705	ug/l #	1
13) Acrolein	1.99	56	541	16.675	ug/l #	1
14) Allyl chloride	2.01	41	5866	Below Cal	#	59
16) Acetone	2.23	43	3714	8.248	ug/l	92
20) Methylene Chloride	2.17	84	5327	1.791	ug/l #	76
23) Vinyl Acetate	3.20	43	501	3.389	ug/l #	78
25) 2-Butanone	4.32	43	750	1.002	ug/l #	57
29) Tetrahydrofuran	4.07	42	781	2.422	ug/l #	54
49) 1,4-Dioxane	6.84	88	59	Below Cal	#	24
59) 2-Hexanone	9.48	43	1639	1.622	ug/l	75

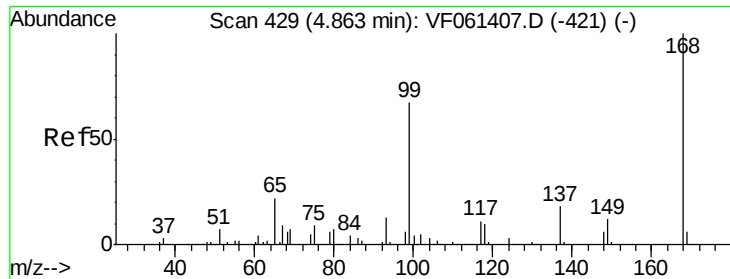
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 18 03:18:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
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: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061443.D

Acq: 17 Jan 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

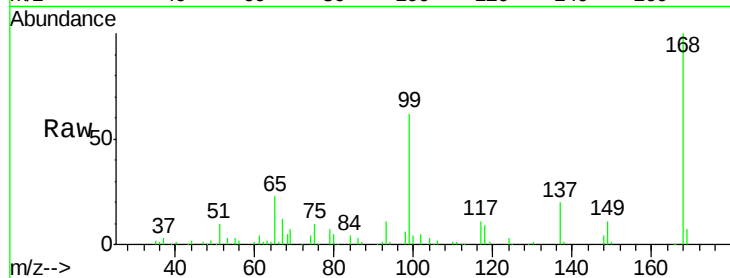
WC-04-011519

Tot Ion:168 Resp: 181797

Ion Ratio Lower Upper

168 100

99 61.9 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

60000

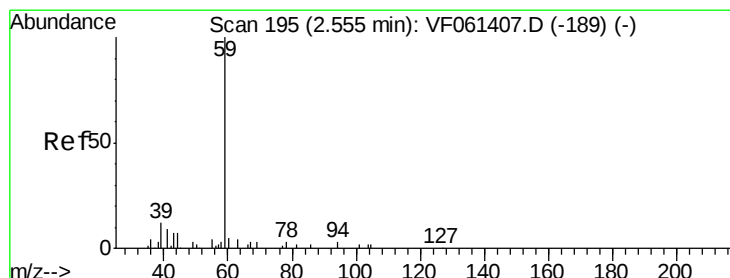
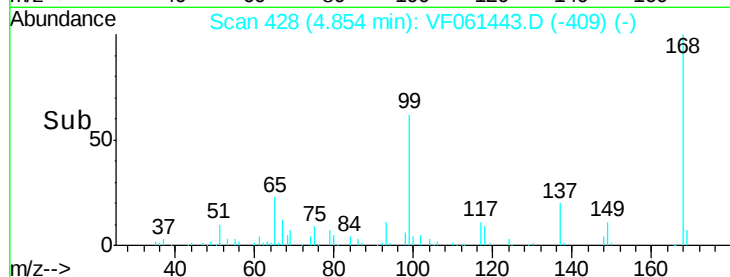
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 1.705 ug/l

RT: 2.55 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF061443.D

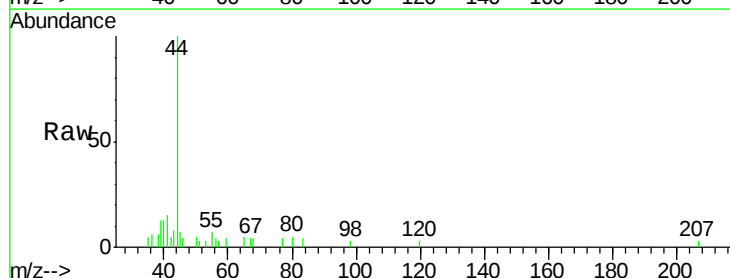
Acq: 17 Jan 2019 14:29

Tgt Ion: 59 Resp: 162

Ion Ratio Lower Upper

59 100

57 76.6 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

150

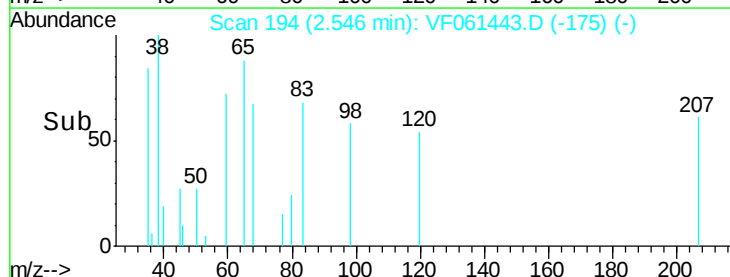
100

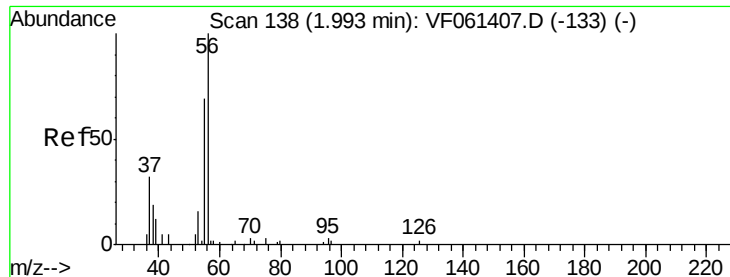
50

0

2.52 2.54 2.56 2.58

Time-->





#13

Acrolein

Concen: 16.675 ug/l

RT: 1.99 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF061443.D

Acq: 17 Jan 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

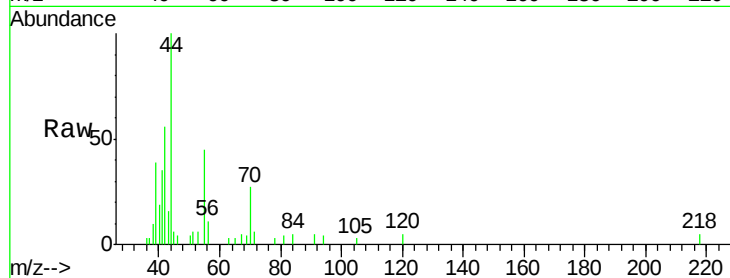
WC-04-011519

Tot Ion: 56 Resp: 541

Ion Ratio Lower Upper

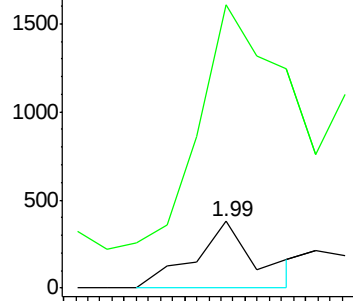
56 100

55 426.0 57.5 86.3#

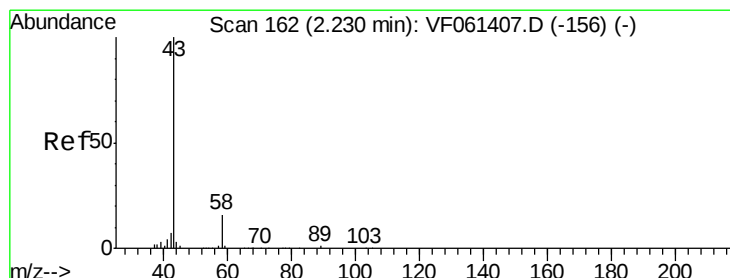
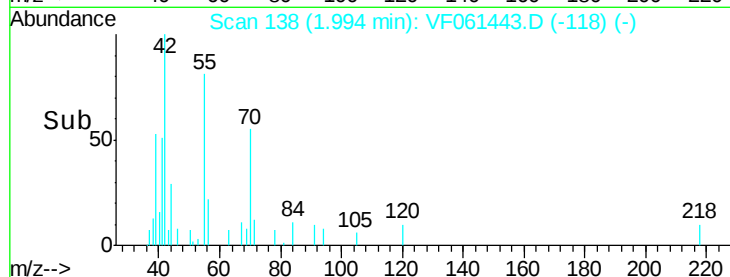


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time--> 1.94 1.96 1.98 2.00 2.02



#16

Acetone

Concen: 8.248 ug/l

RT: 2.23 min Scan# 162

Delta R.T. 0.00 min

Lab File: VF061443.D

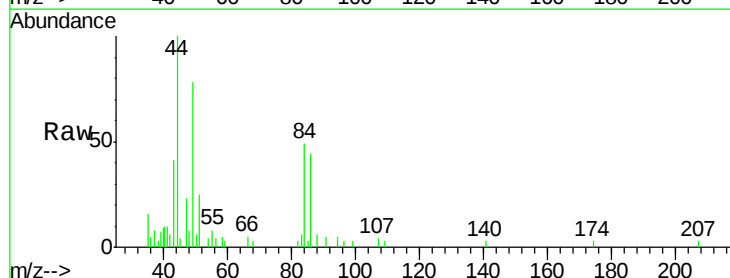
Acq: 17 Jan 2019 14:29

Tgt Ion: 43 Resp: 3714

Ion Ratio Lower Upper

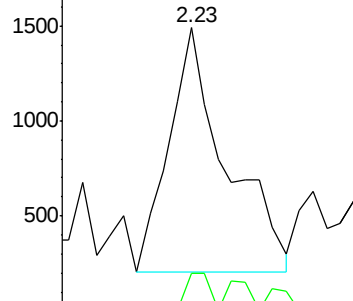
43 100

58 13.3 13.3 19.9

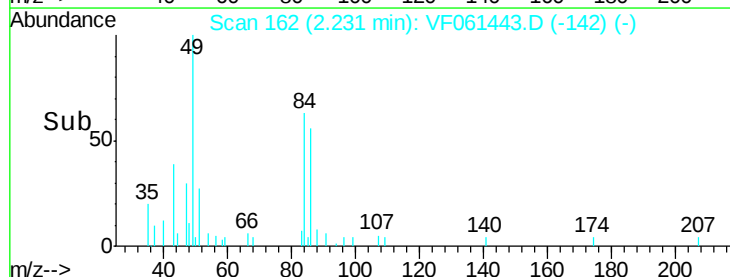


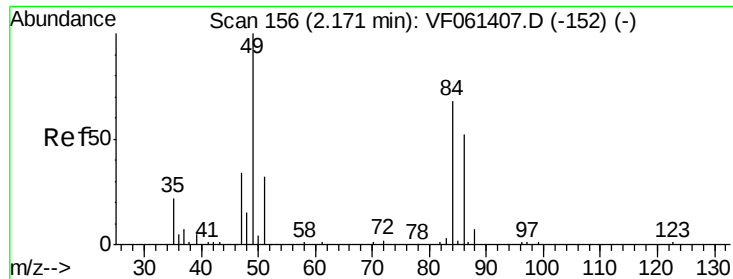
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time--> 2.15 2.20 2.25 2.30

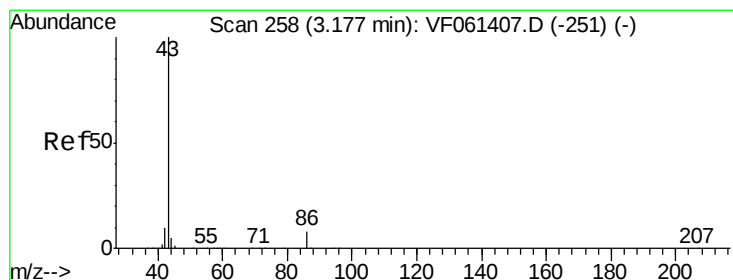
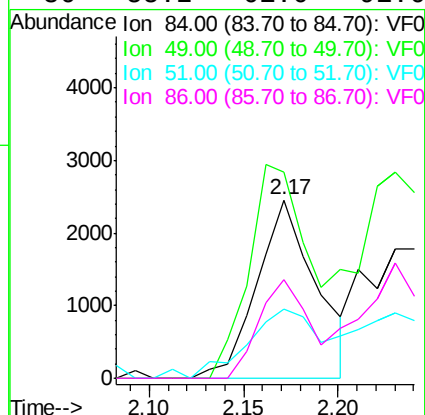
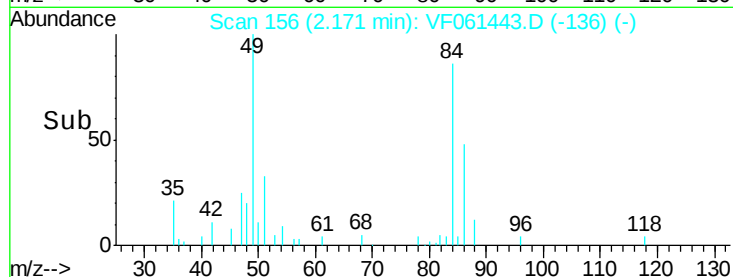
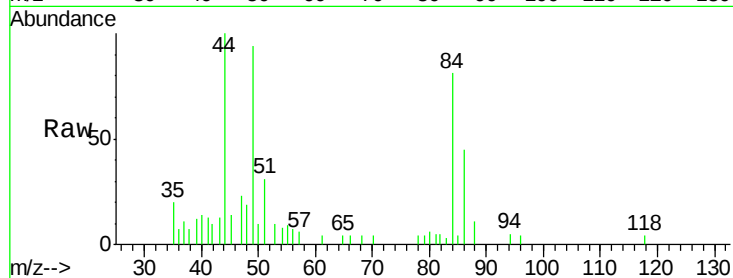




#20
Methvlene Chloride
Concen: 1.791 ug/l
RT: 2.17 min Scan# 156
Delta R.T. 0.00 min
Lab File: VF061443.D
Acq: 17 Jan 2019 14:29

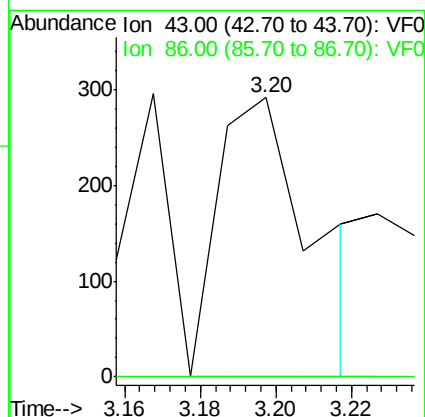
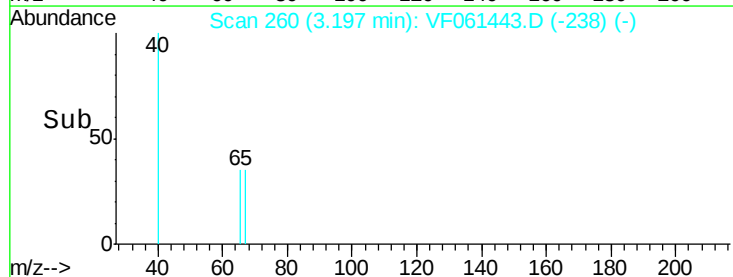
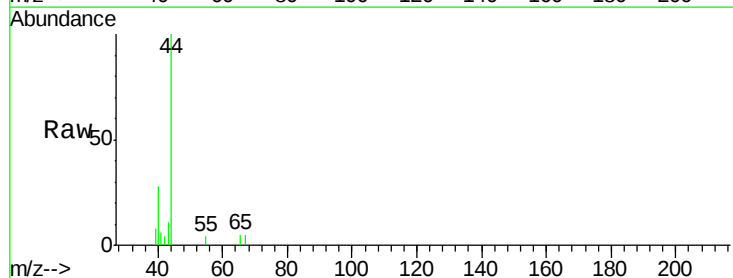
Instrument :
MSVOA_F
ClientSampleId :
WC-04-011519

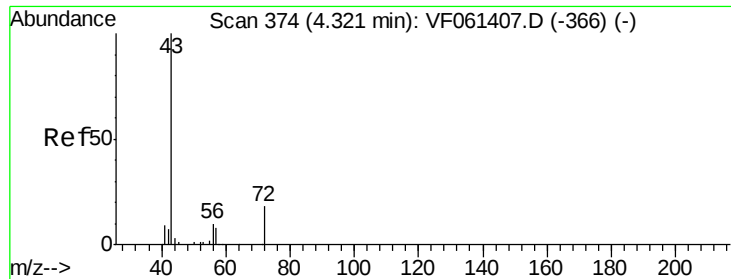
Tot Ion: 84 Resp: 5327
Ion Ratio Lower Upper
84 100
49 115.9 120.0 180.0#
51 38.6 38.6 58.0#
86 55.2 61.0 91.6#



#23
Vinyl Acetate
Concen: 3.389 ug/l
RT: 3.20 min Scan# 260
Delta R.T. 0.02 min
Lab File: VF061443.D
Acq: 17 Jan 2019 14:29

Tgt Ion: 43 Resp: 501
Ion Ratio Lower Upper
43 100
86 0.0 6.2 9.4#





#25

2-Butanone

Concen: 1.002 ug/l

RT: 4.32 min Scan# 374

Delta R.T. 0.00 min

Lab File: VF061443.D

Acq: 17 Jan 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

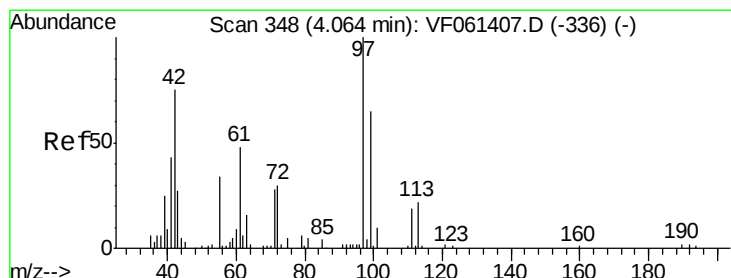
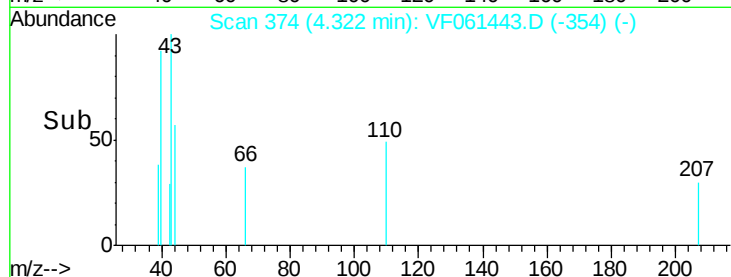
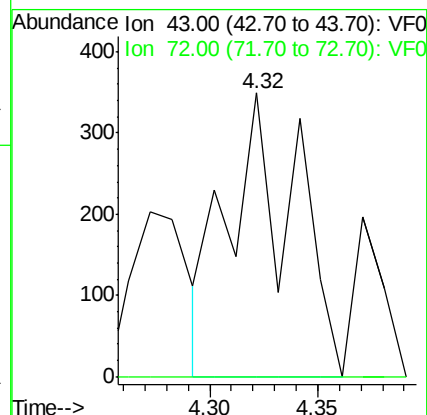
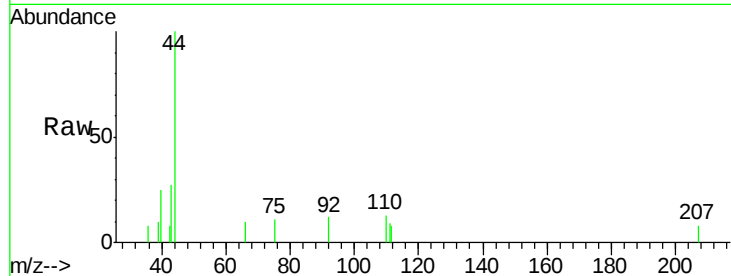
WC-04-011519

Tot Ion: 43 Resp: 750

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#



#29

Tetrahydrofuran

Concen: 2.422 ug/l

RT: 4.07 min Scan# 348

Delta R.T. 0.00 min

Lab File: VF061443.D

Acq: 17 Jan 2019 14:29

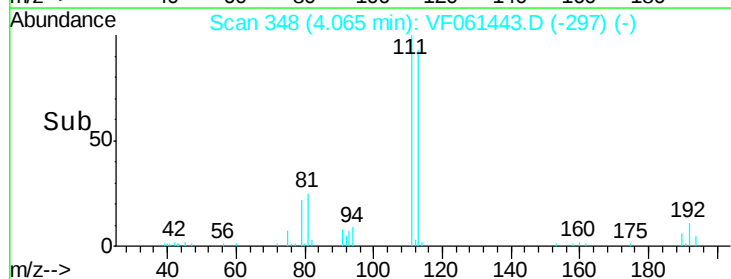
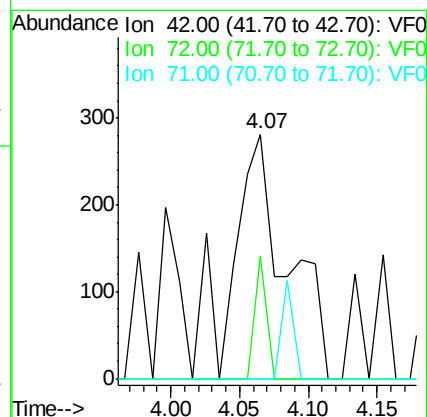
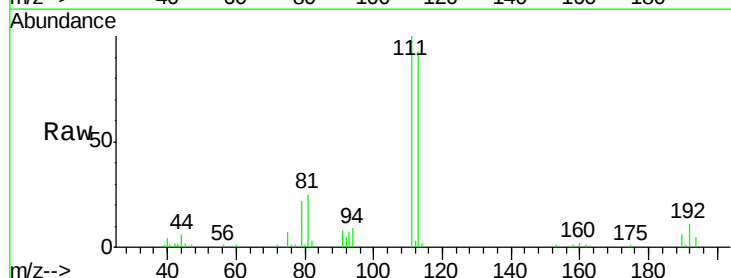
Tgt Ion: 42 Resp: 781

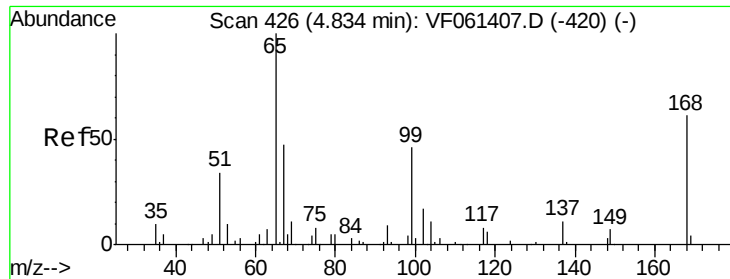
Ion Ratio Lower Upper

42 100

72 10.6 28.9 43.3#

71 8.6 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 53.768 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.01 min

Lab File: VF061443.D

Acq: 17 Jan 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

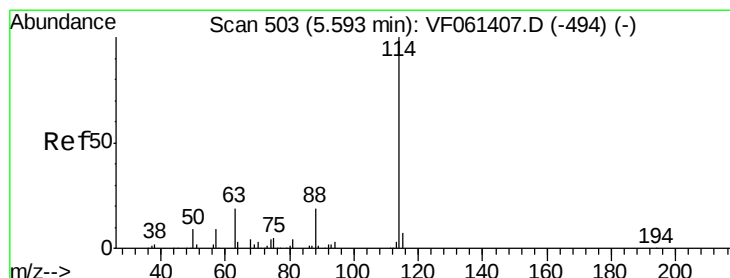
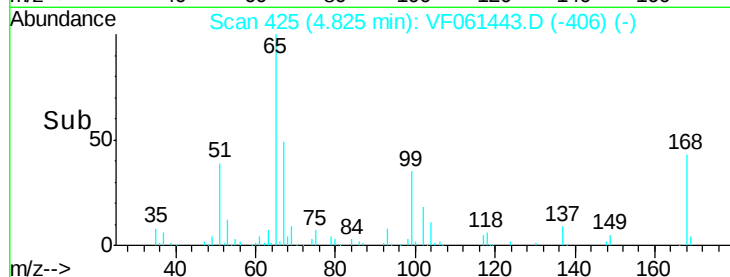
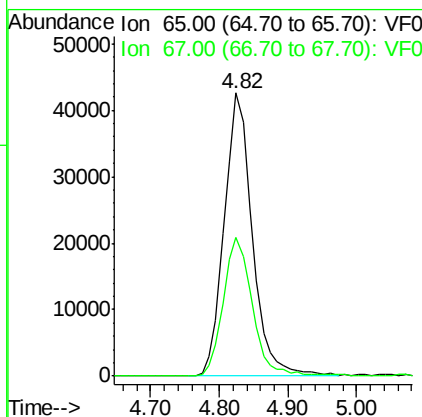
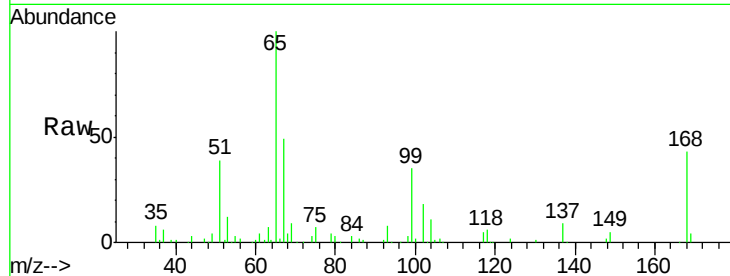
WC-04-011519

Tot Ion: 65 Resp: 120683

Ion Ratio Lower Upper

65 100

67 49.0 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.02 min

Lab File: VF061443.D

Acq: 17 Jan 2019 14:29

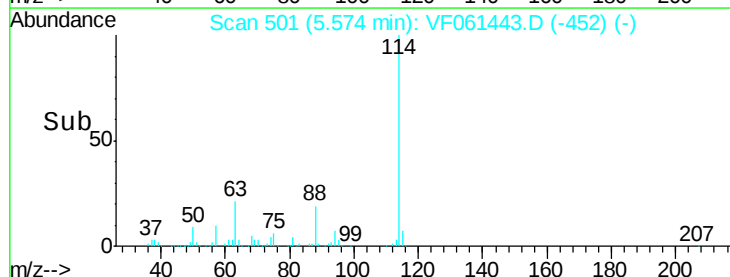
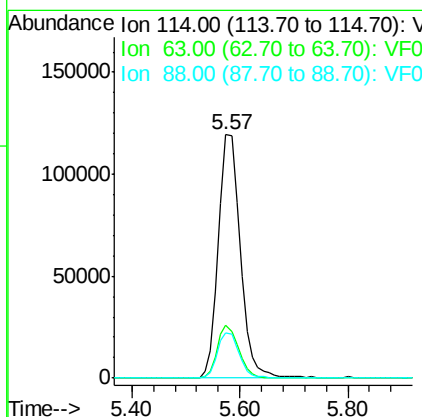
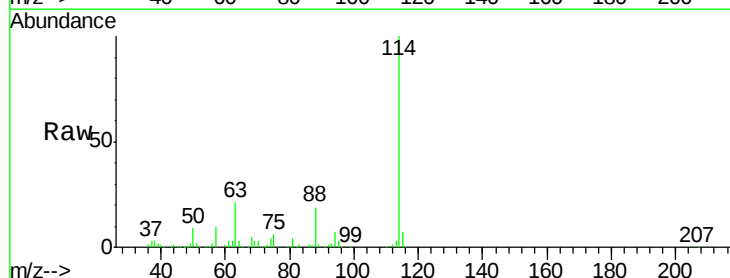
Tgt Ion: 114 Resp: 338918

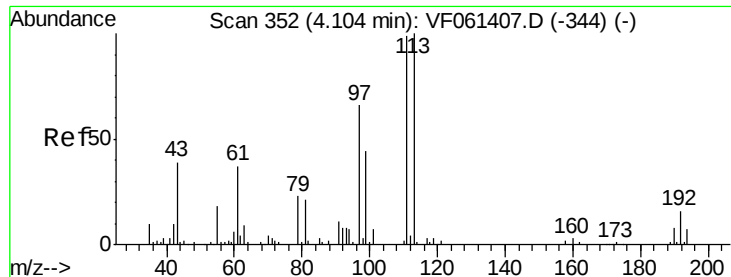
Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.0

88 18.8 0.0 37.4





#35

Dibromofluoromethane

Concen: 55.358 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061443.D

Acq: 17 Jan 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

WC-04-011519

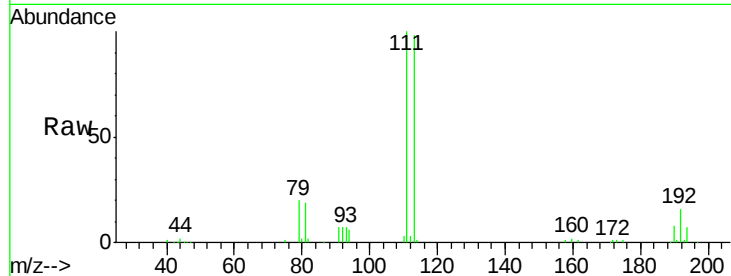
Tot Ion:113 Resp: 148047

Ion Ratio Lower Upper

113 100

111 102.1 79.4 119.0

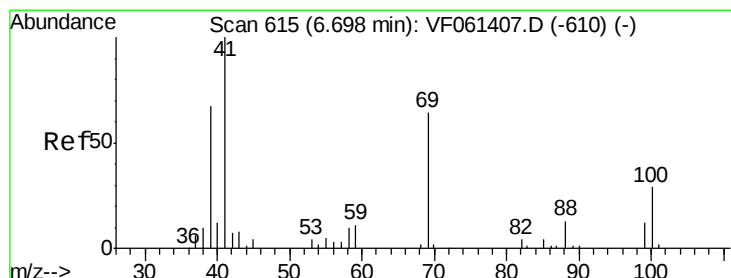
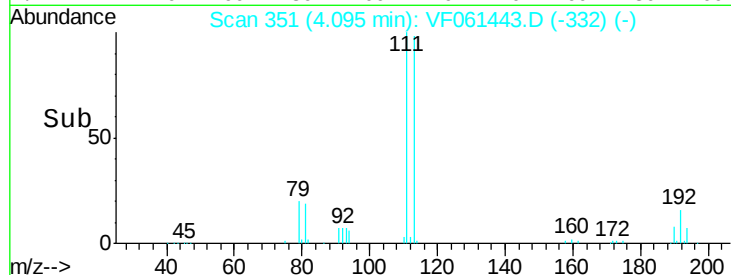
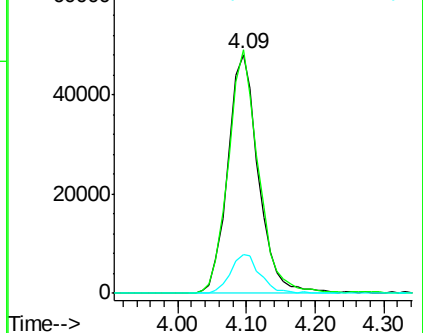
192 16.3 12.4 18.6



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: Below Cal

RT: 6.84 min Scan# 629

Delta R.T. 0.14 min

Lab File: VF061443.D

Acq: 17 Jan 2019 14:29

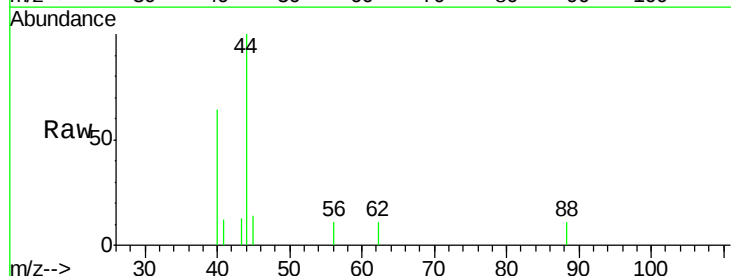
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 121.0 55.5 83.3#

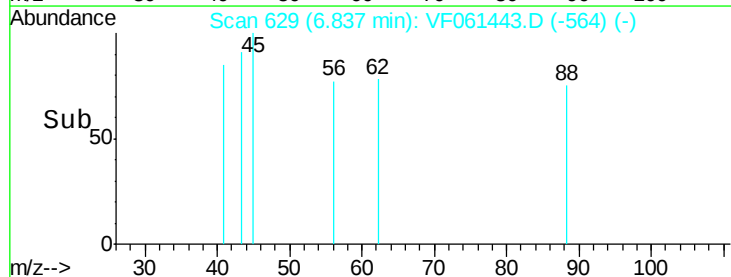
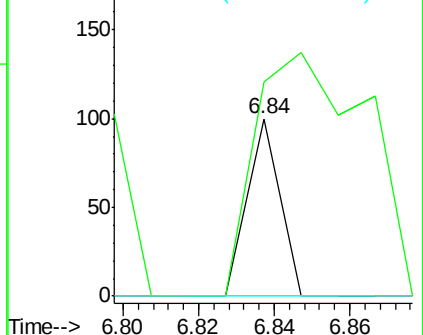
58 0.0 59.9 89.9#

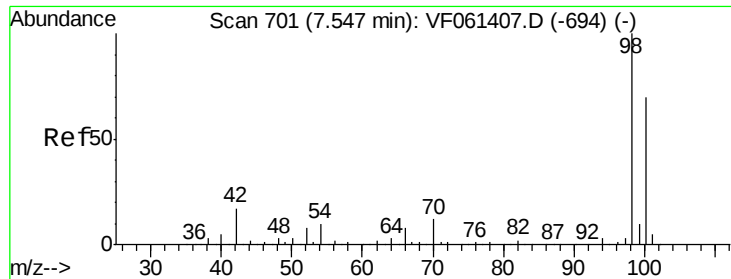


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 46.481 ug/l

RT: 7.54 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF061443.D

Acq: 17 Jan 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

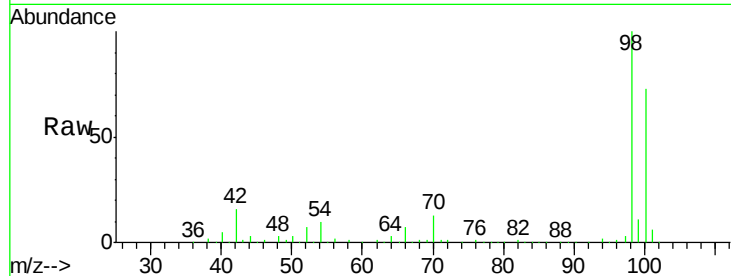
WC-04-011519

Tot Ion: 98 Resp: 340579

Ion Ratio Lower Upper

98 100

100 72.7 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.54

150000

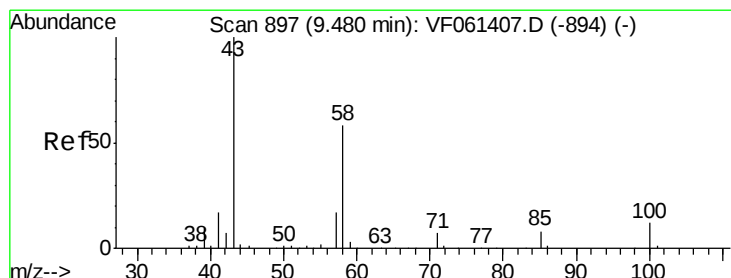
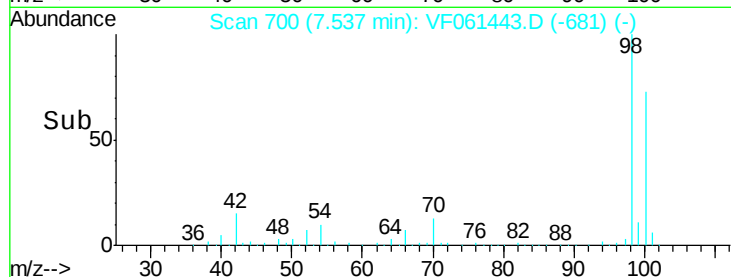
100000

50000

0

Time-->

7.40 7.50 7.60 7.70



#59

2-Hexanone

Concen: 1.622 ug/l

RT: 9.48 min Scan# 897

Delta R.T. 0.00 min

Lab File: VF061443.D

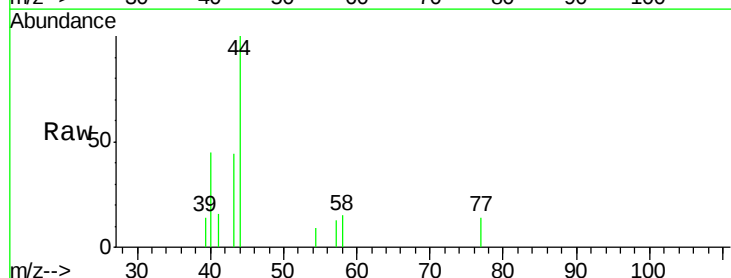
Acq: 17 Jan 2019 14:29

Tgt Ion: 43 Resp: 1639

Ion Ratio Lower Upper

43 100

58 34.1 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.48

600

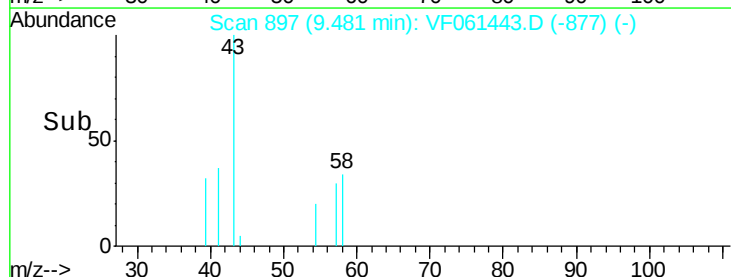
400

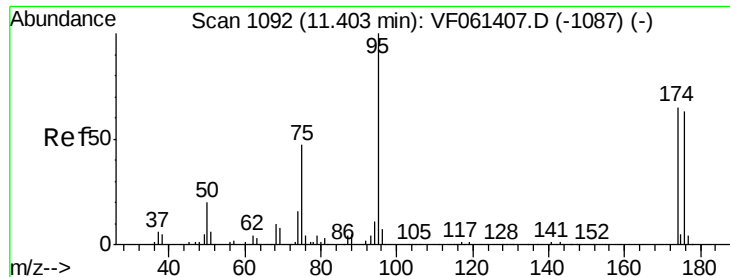
200

0

Time-->

9.40 9.45 9.50 9.55 9.60

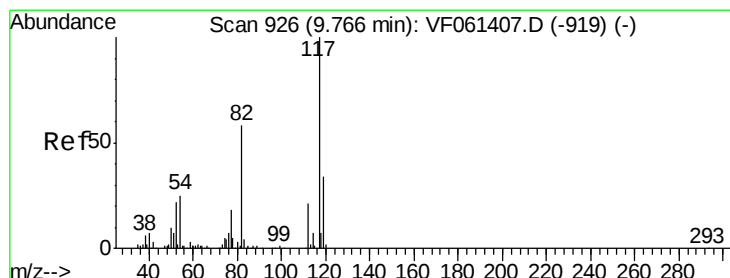
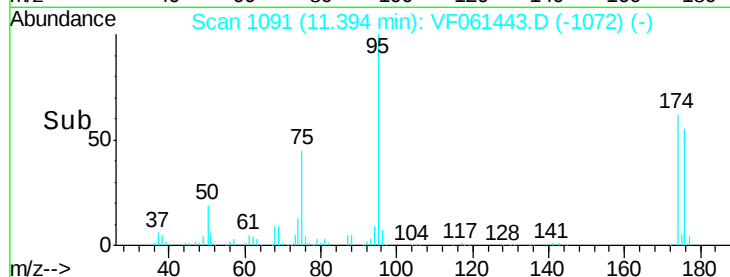
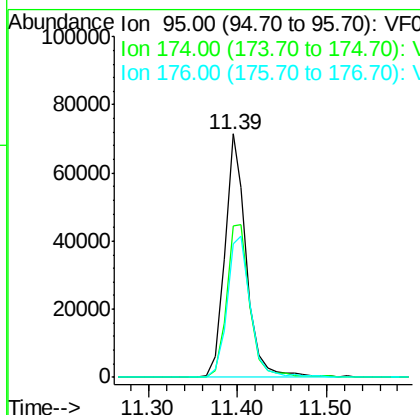
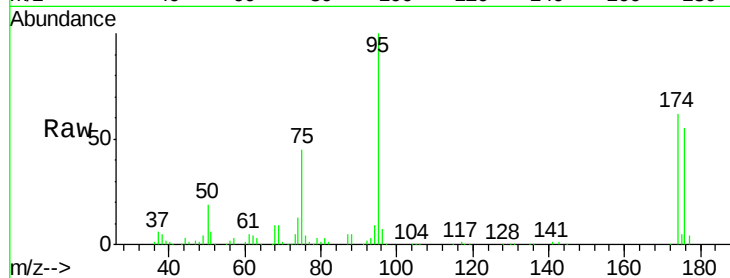




#62
4-Bromofluorobenzene
Concen: 35.522 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VF061443.D
Acq: 17 Jan 2019 14:29

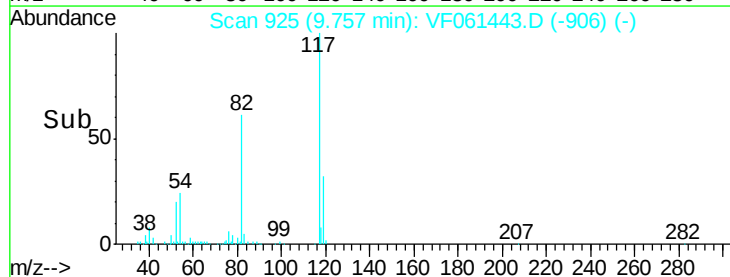
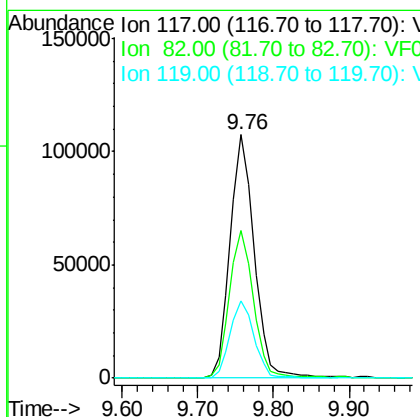
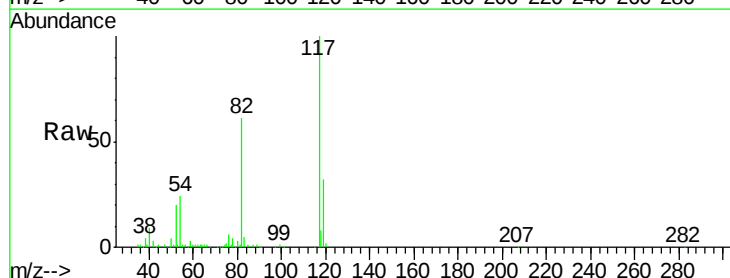
Instrument :
MSVOA_F
ClientSampleId :
WC-04-011519

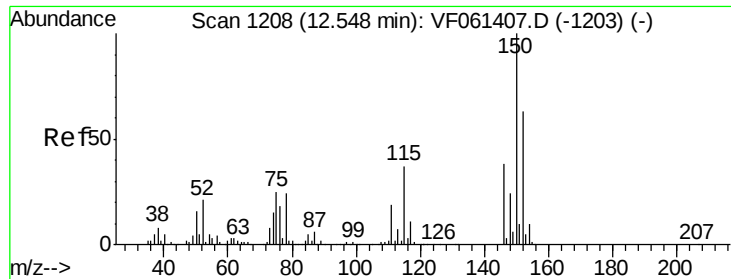
Tot Ion: 95 Resp: 121609
Ion Ratio Lower Upper
95 100
174 62.0 0.0 130.4
176 54.8 0.0 126.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.01 min
Lab File: VF061443.D
Acq: 17 Jan 2019 14:29

Tgt Ion: 117 Resp: 238113
Ion Ratio Lower Upper
117 100
82 60.8 46.4 69.6
119 31.7 27.2 40.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061443.D

Acq: 17 Jan 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

WC-04-011519

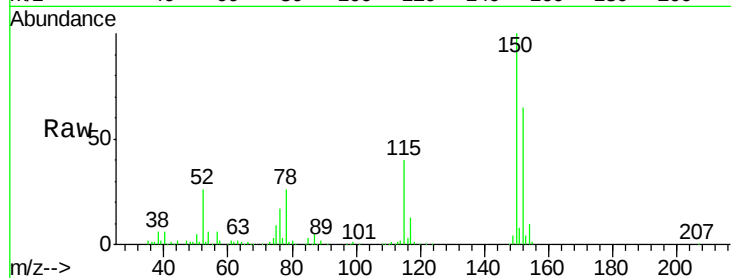
Tot Ion:152 Resp: 80369

Ion Ratio Lower Upper

152 100

115 61.7 30.0 90.0

150 153.9 0.0 321.4



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

