

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061432.D
 Acq On : 17 Jan 2019 00:58
 Operator : VA/AP
 Sample : K1157-12
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-06-011519

Quant Time: Jan 17 03:00:44 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	115742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	195897	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	137897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	35196	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	64044	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	
35) Dibromofluoromethane	4.09	113	76499	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	7.54	98	172502	40.73	ug/l	0.00
Spiked Amount			Recovery	=	81.46%	
62) 4-Bromofluorobenzene	11.40	95	50777	25.66	ug/l	0.00
Spiked Amount			Recovery	=	51.32%	

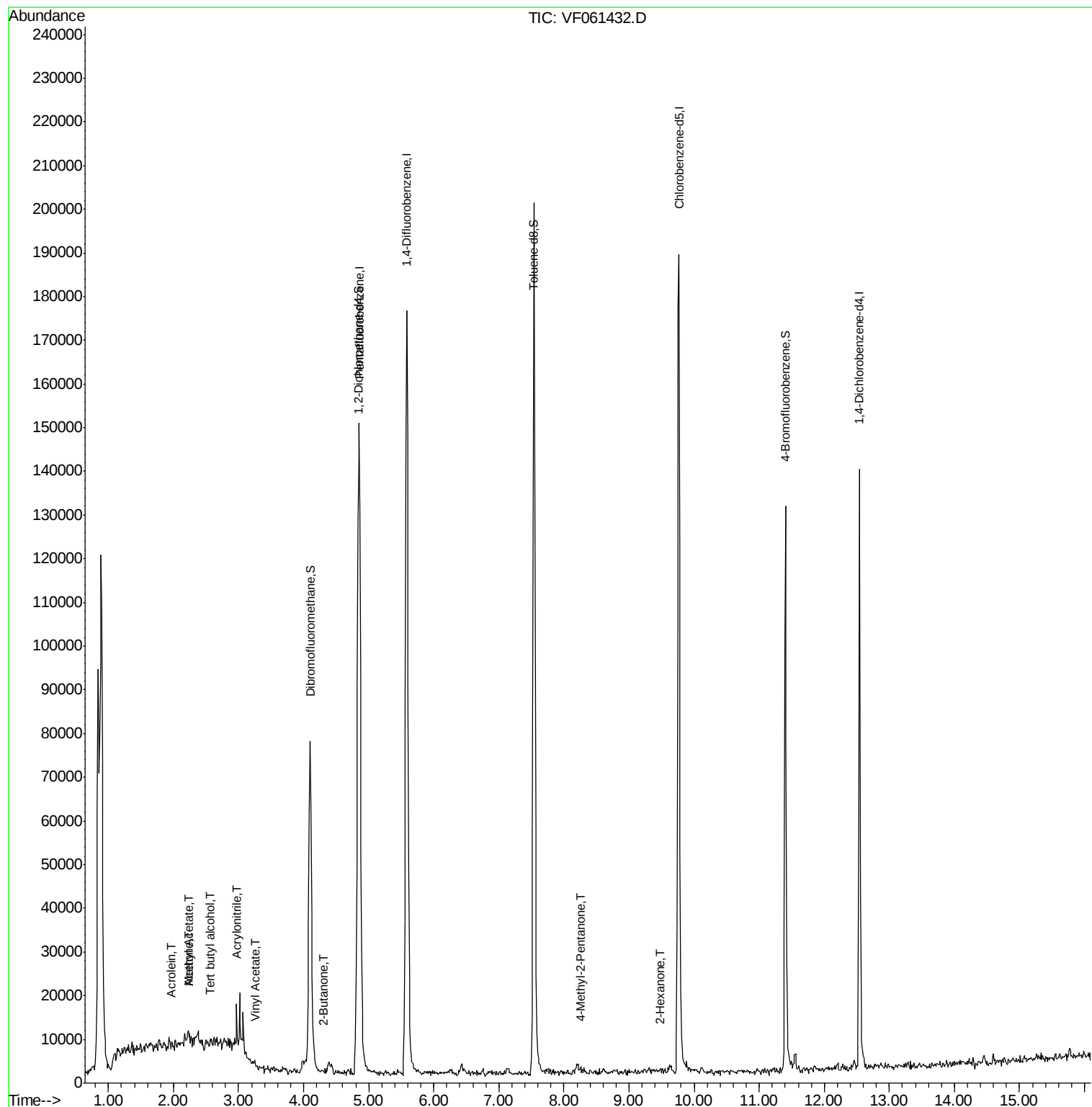
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	149	2.463	ug/l #	64
13) Acrolein	1.98	56	569	20.807	ug/l #	78
14) Allyl chloride	2.10	41	228	Below Cal	#	47
15) Acrylonitrile	2.97	53	234	1.510	ug/l #	20
16) Acetone	2.22	43	2711	9.457	ug/l #	61
18) Methyl Acetate	2.22	43	2711	4.769	ug/l	98
20) Methylene Chloride	2.17	84	861	Below Cal	#	77
23) Vinyl Acetate	3.27	43	1286	3.982	ug/l #	78
25) 2-Butanone	4.31	43	625	1.311	ug/l #	57
51) 4-Methyl-2-Pentanone	8.26	43	1280	1.528	ug/l #	84
59) 2-Hexanone	9.48	43	1031	1.765	ug/l #	26

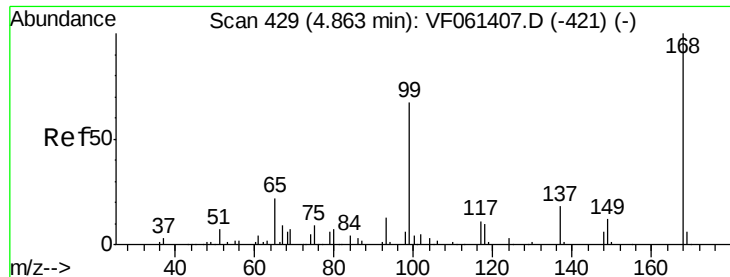
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011619\
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Quant Time: Jan 17 03:00:44 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: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061432.D

Acq: 17 Jan 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

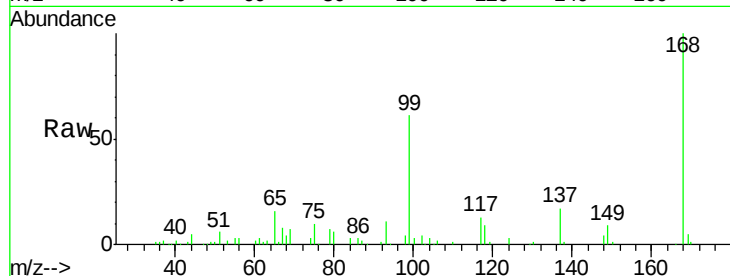
WC-06-011519

Tot Ion:168 Resp: 115742

Ion Ratio Lower Upper

168 100

99 61.4 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

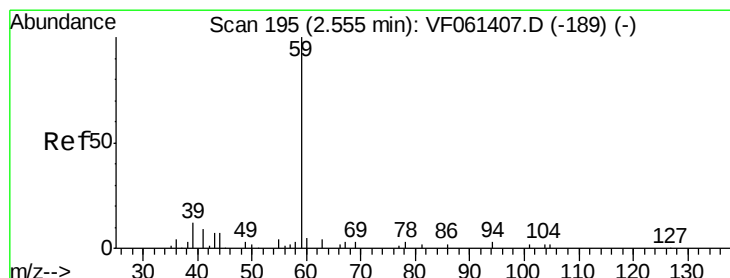
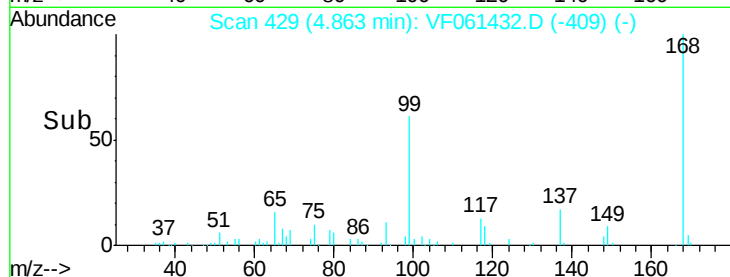
20000

10000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 2.463 ug/l

RT: 2.57 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF061432.D

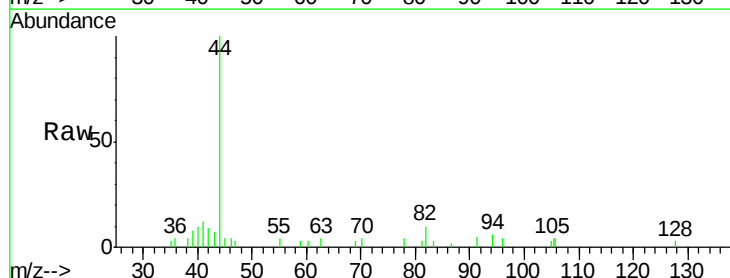
Acq: 17 Jan 2019 00:58

Tgt Ion: 59 Resp: 149

Ion Ratio Lower Upper

59 100

57 0.0 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.57

150

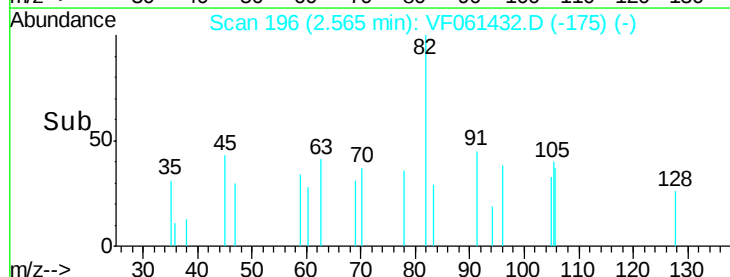
100

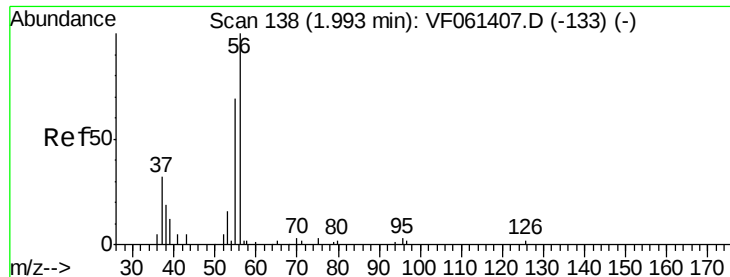
50

0

2.52 2.54 2.56 2.58 2.60

Time-->





#13

Acrolein

Concen: 20.807 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF061432.D

Acq: 17 Jan 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

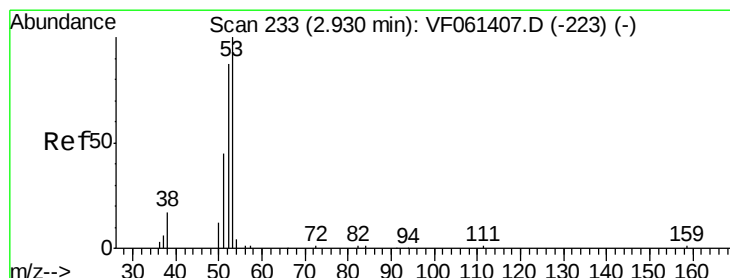
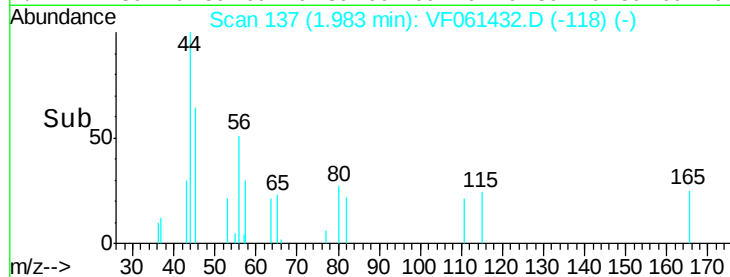
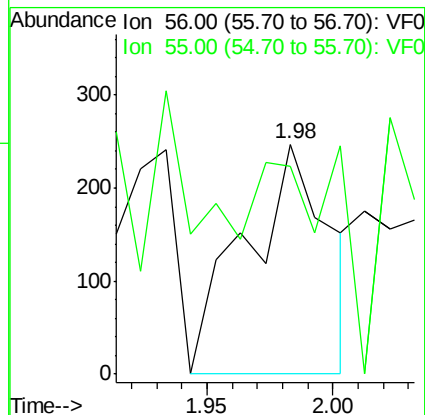
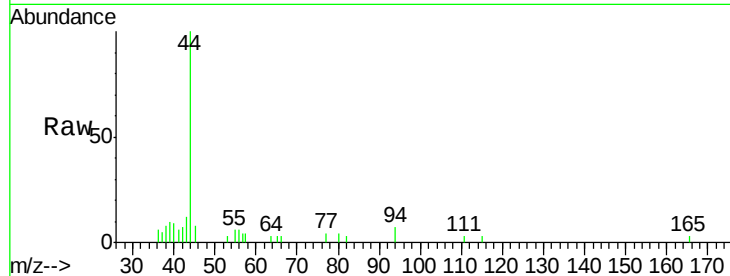
WC-06-011519

Tot Ion: 56 Resp: 569

Ion Ratio Lower Upper

56 100

55 90.3 57.5 86.3#



#15

Acrylonitrile

Concen: 1.510 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.04 min

Lab File: VF061432.D

Acq: 17 Jan 2019 00:58

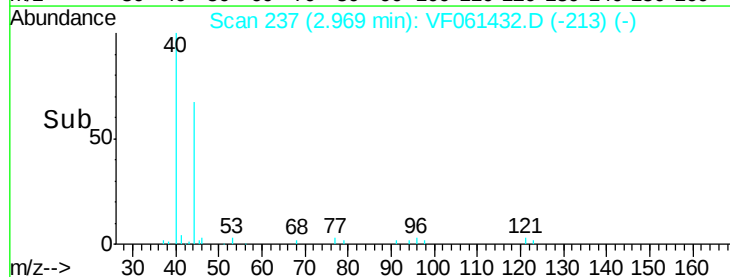
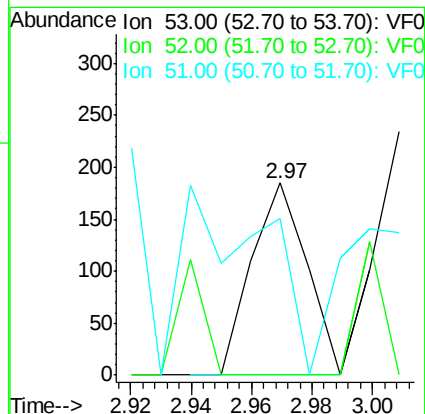
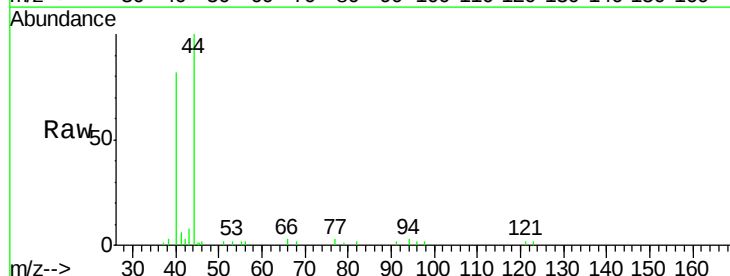
Tgt Ion: 53 Resp: 234

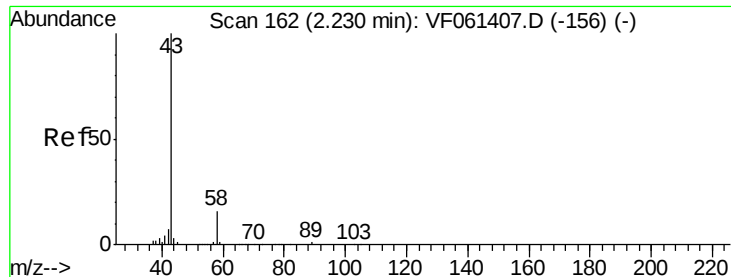
Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

51 81.6 36.8 55.2#

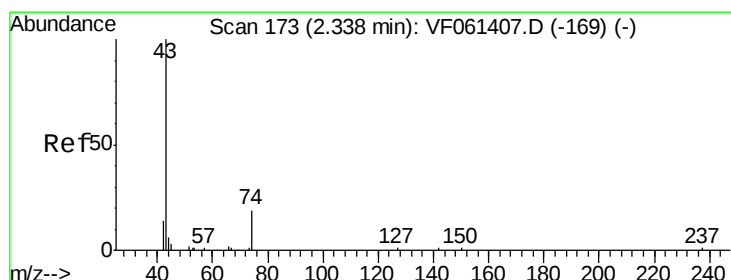
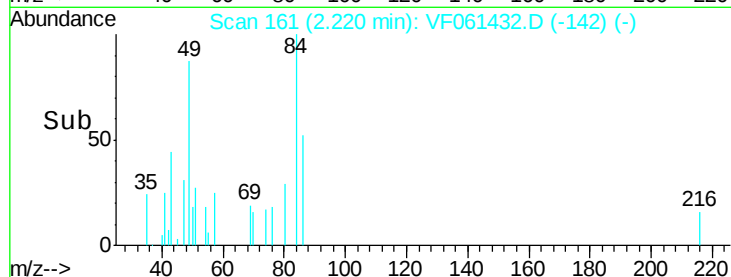
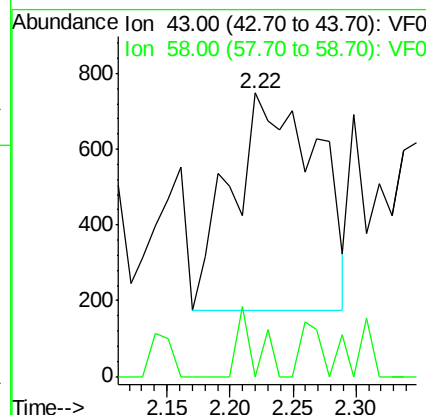
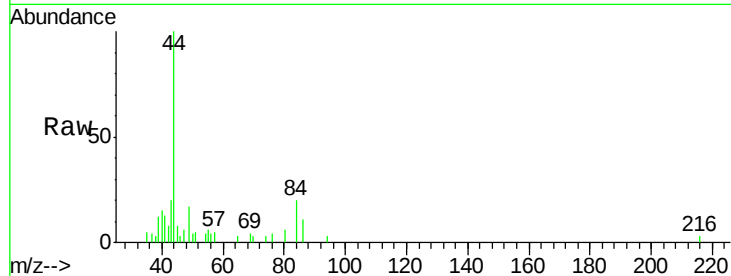




#16
Acetone
Concen: 9.457 ug/l
RT: 2.22 min Scan# 161
Delta R.T. -0.01 min
Lab File: VF061432.D
Acq: 17 Jan 2019 00:58

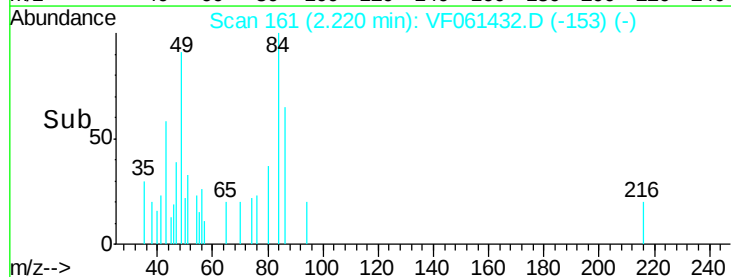
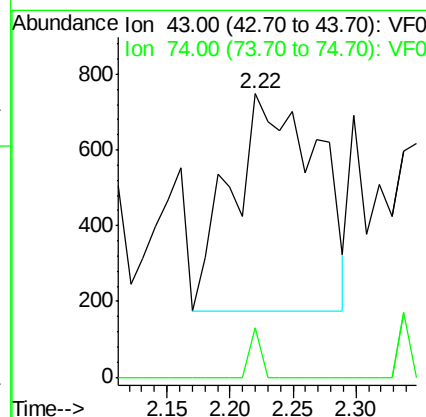
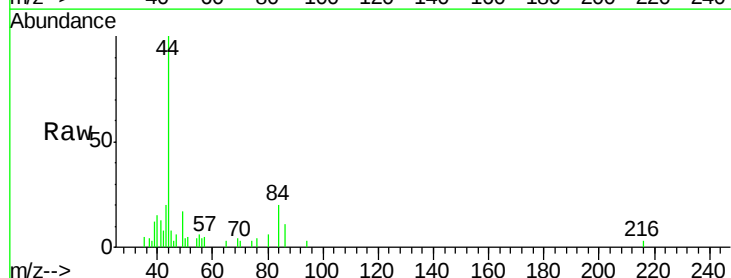
Instrument :
MSVOA_F
ClientSampleId :
WC-06-011519

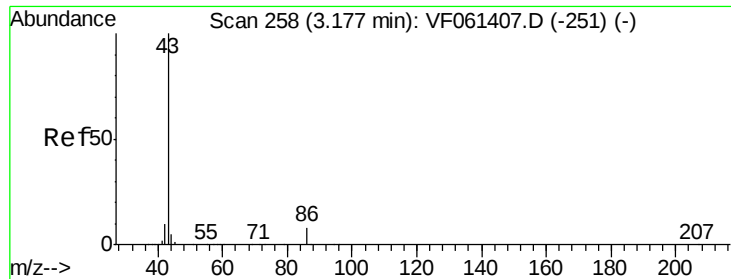
Tot Ion: 43 Resp: 2711
Ion Ratio Lower Upper
43 100
58 0.0 13.3 19.9#



#18
Methyl Acetate
Concen: 4.769 ug/l
RT: 2.22 min Scan# 161
Delta R.T. -0.12 min
Lab File: VF061432.D
Acq: 17 Jan 2019 00:58

Tgt Ion: 43 Resp: 2711
Ion Ratio Lower Upper
43 100
74 17.5 13.4 20.0





#23

Vinyl Acetate

Concen: 3.982 ug/l

RT: 3.27 min Scan# 267

Delta R.T. 0.09 min

Lab File: VF061432.D

Acq: 17 Jan 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

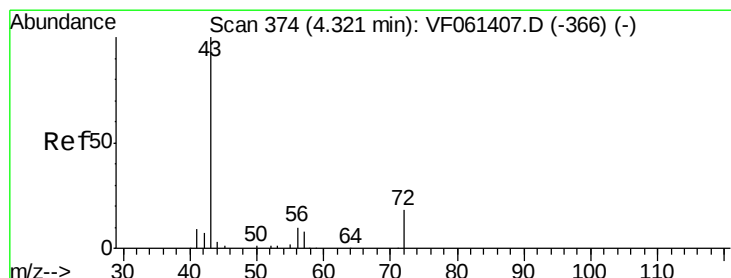
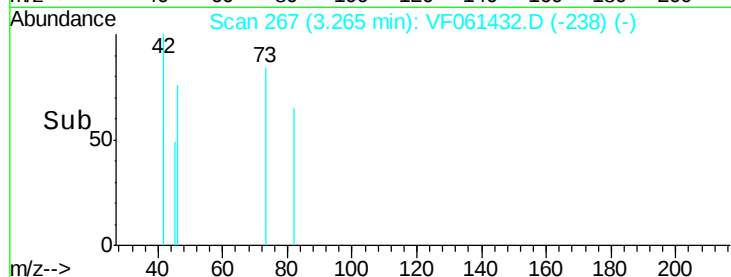
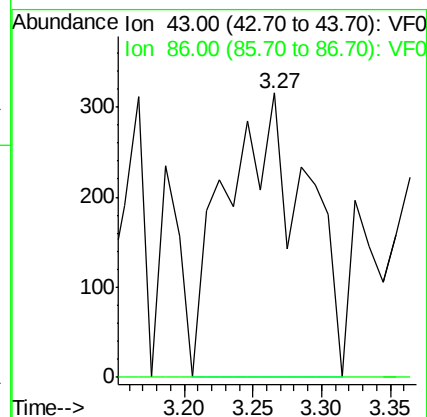
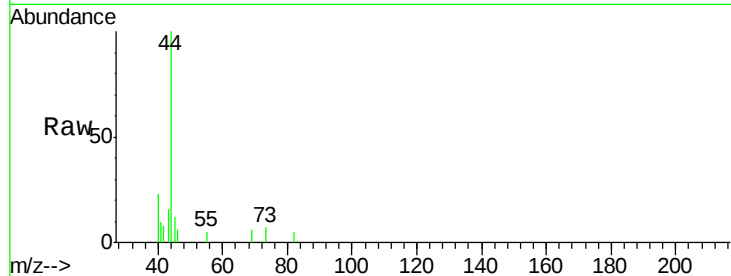
WC-06-011519

Tot Ion: 43 Resp: 1286

Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#



#25

2-Butanone

Concen: 1.311 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.01 min

Lab File: VF061432.D

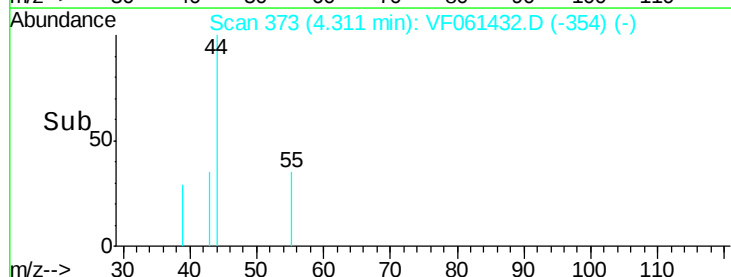
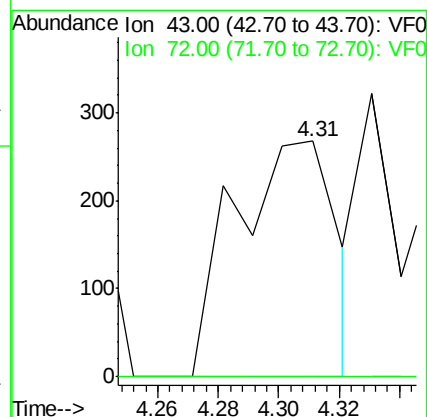
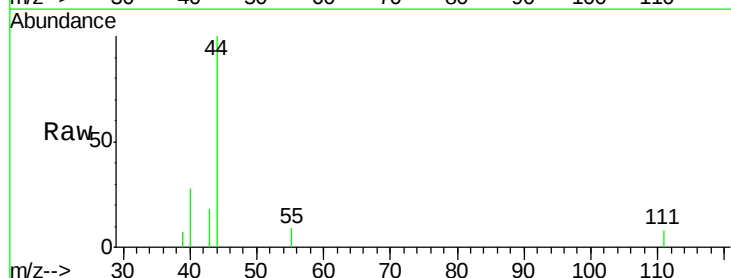
Acq: 17 Jan 2019 00:58

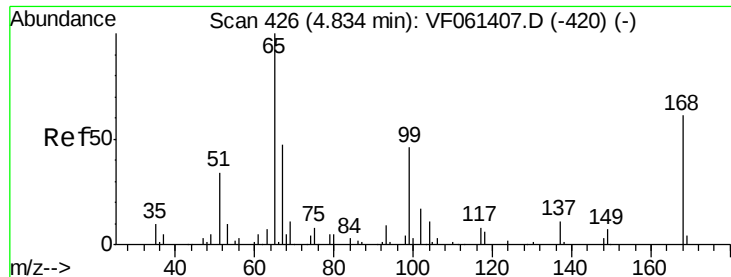
Tgt Ion: 43 Resp: 625

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#





#33

1,2-Dichloroethane-d4

Concen: 44.818 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061432.D

Acq: 17 Jan 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

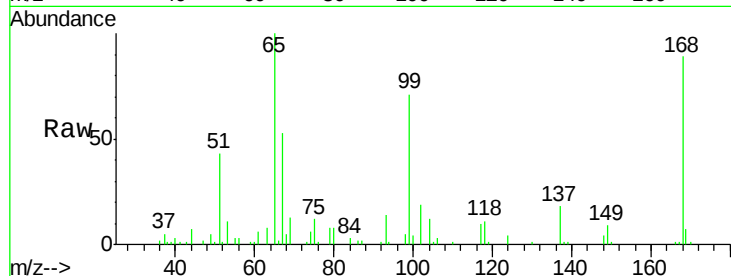
WC-06-011519

Tot Ion: 65 Resp: 64044

Ion Ratio Lower Upper

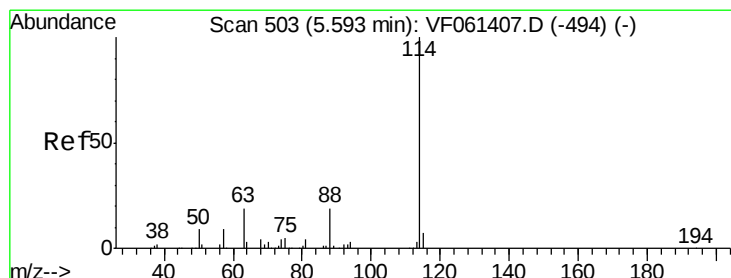
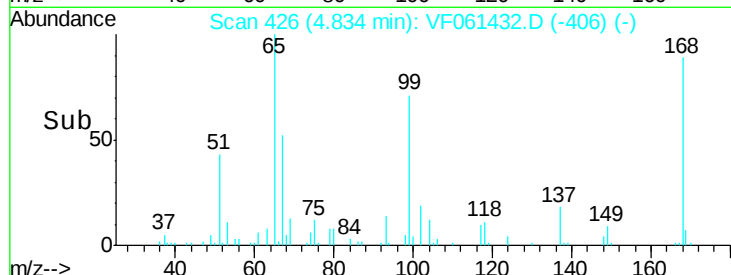
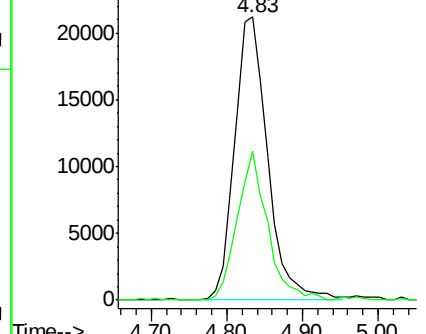
65 100

67 52.7 0.0 99.8



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: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061432.D

Acq: 17 Jan 2019 00:58

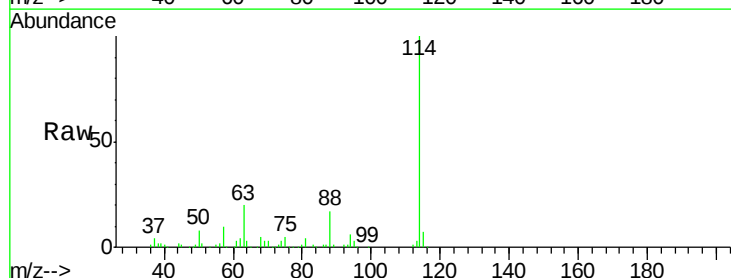
Tgt Ion: 114 Resp: 195897

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

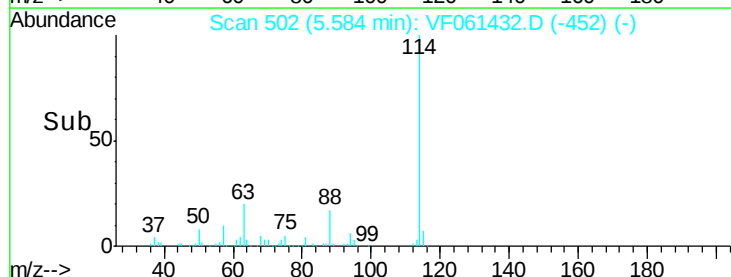
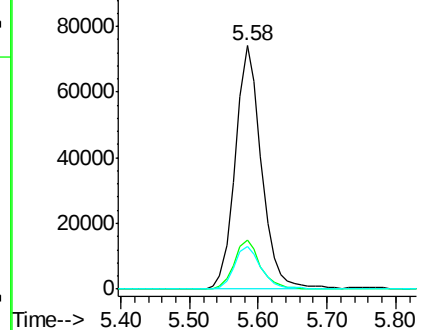
88 17.3 0.0 37.4

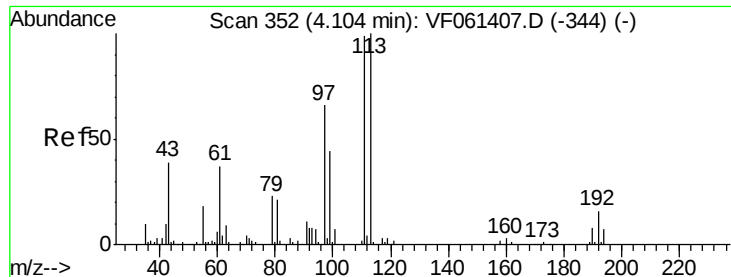


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

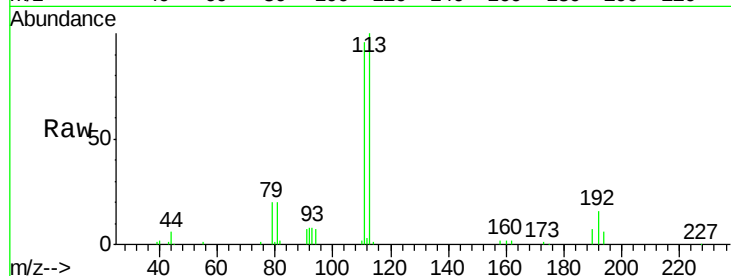




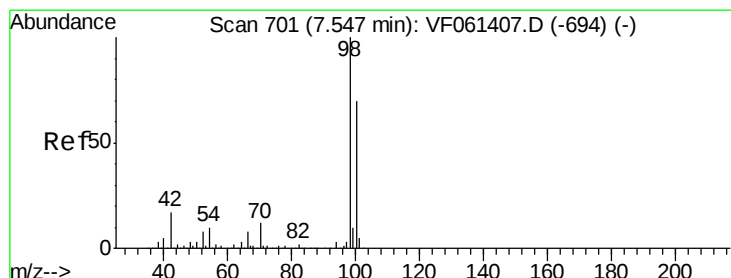
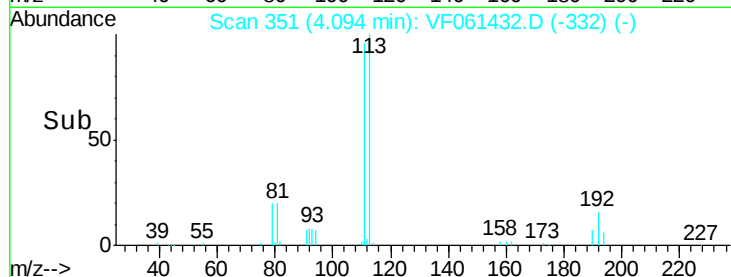
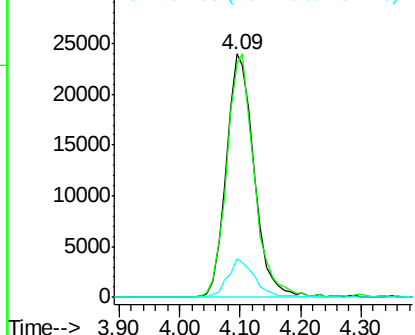
#35
Dibromofluoromethane
Concen: 49.488 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.01 min
Lab File: VF061432.D
Acq: 17 Jan 2019 00:58

Instrument :
MSVOA_F
ClientSampleId :
WC-06-011519

Tot Ion:113 Resp: 76499
Ion Ratio Lower Upper
113 100
111 96.3 79.4 119.0
192 16.2 12.4 18.6

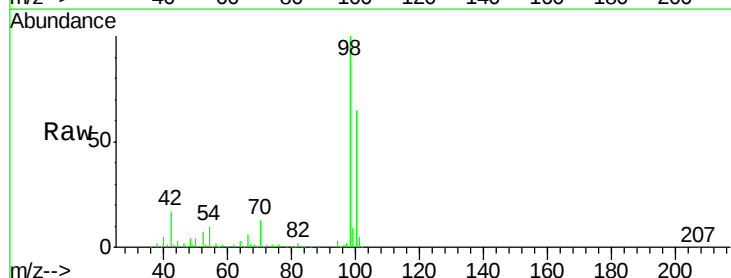


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

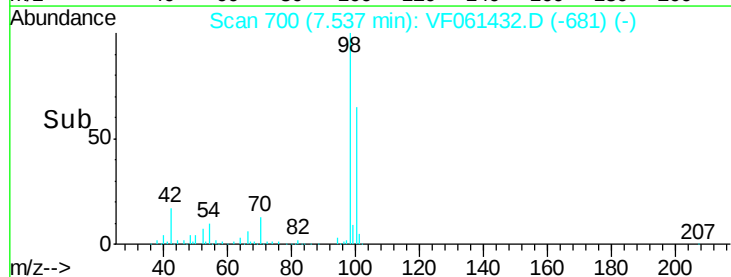
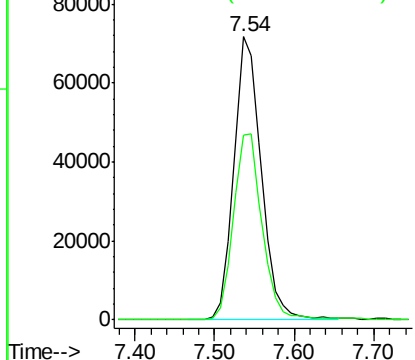


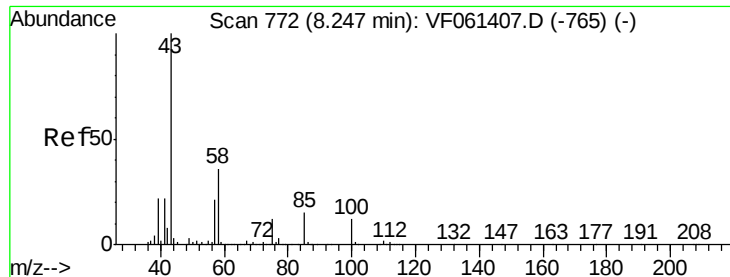
#50
Toluene-d8
Concen: 40.731 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.01 min
Lab File: VF061432.D
Acq: 17 Jan 2019 00:58

Tgt Ion: 98 Resp: 172502
Ion Ratio Lower Upper
98 100
100 65.1 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.528 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061432.D

Acq: 17 Jan 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

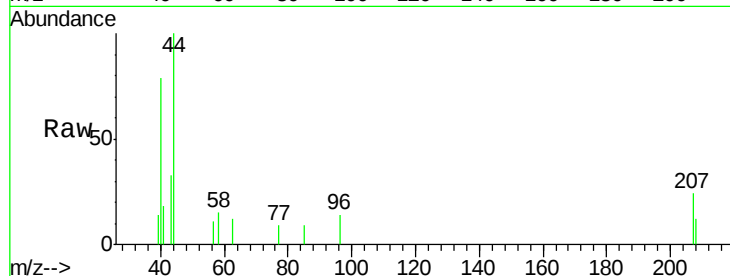
WC-06-011519

Tot Ion: 43 Resp: 1280

Ion Ratio Lower Upper

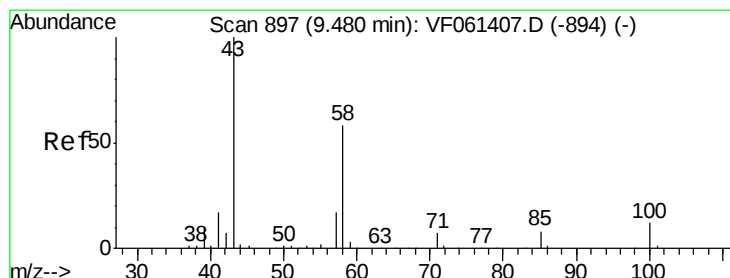
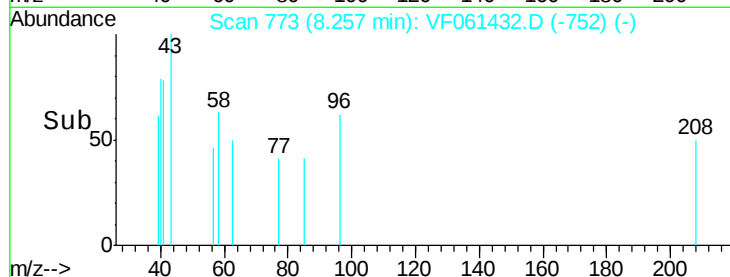
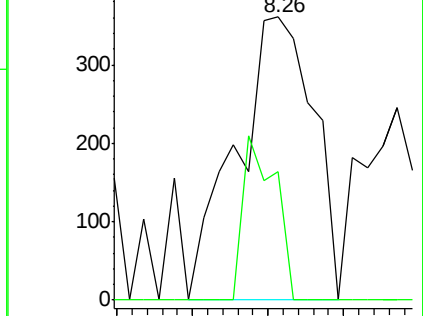
43 100

58 45.2 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 1.765 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.00 min

Lab File: VF061432.D

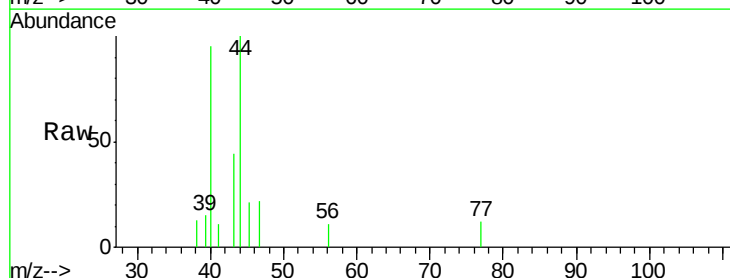
Acq: 17 Jan 2019 00:58

Tgt Ion: 43 Resp: 1031

Ion Ratio Lower Upper

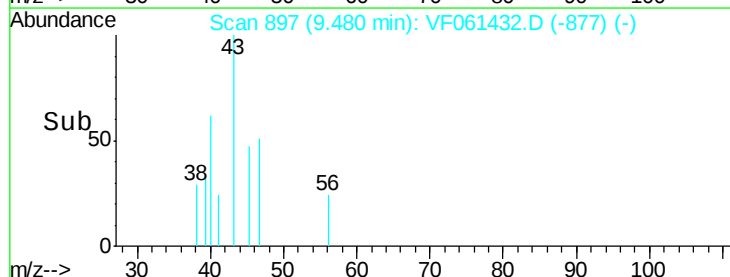
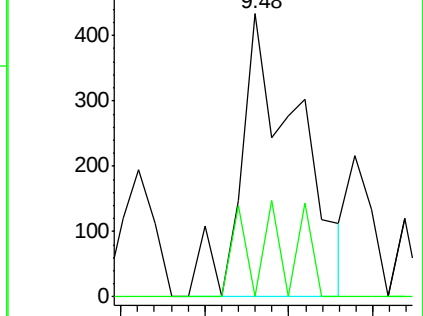
43 100

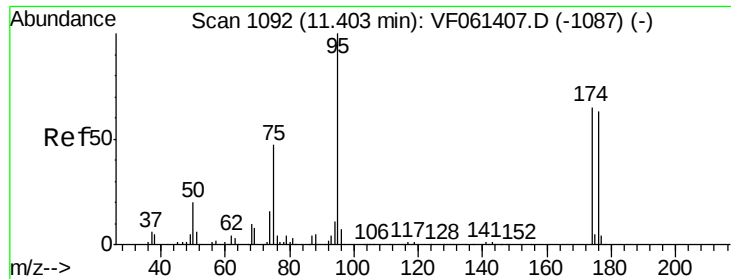
58 0.0 25.9 77.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 25.660 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061432.D

Acq: 17 Jan 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

WC-06-011519

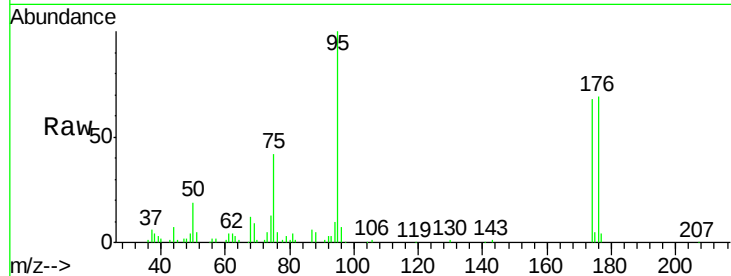
Tot Ion: 95 Resp: 50777

Ion Ratio Lower Upper

95 100

174 68.4 0.0 130.4

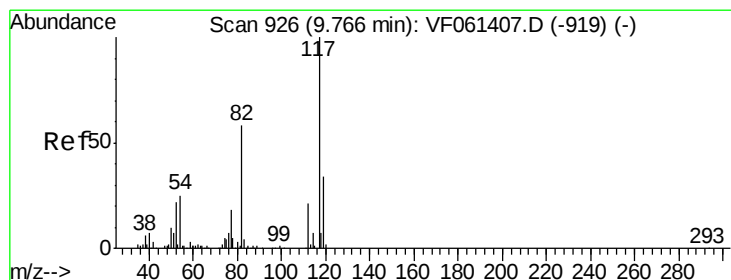
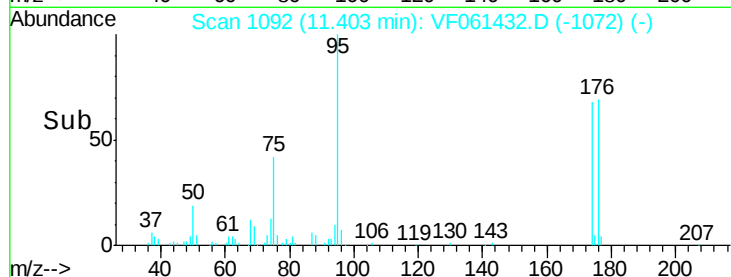
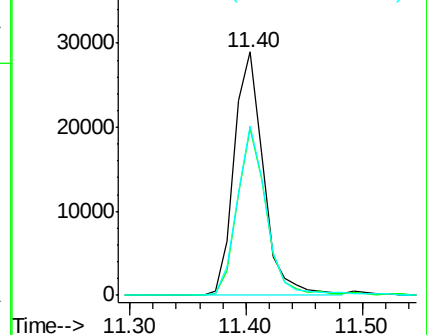
176 69.3 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 926

Delta R.T. -0.00 min

Lab File: VF061432.D

Acq: 17 Jan 2019 00:58

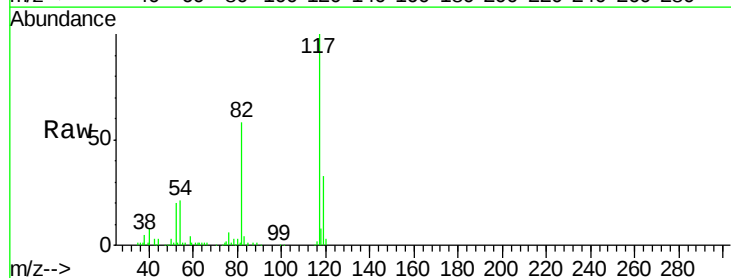
Tgt Ion: 117 Resp: 137897

Ion Ratio Lower Upper

117 100

82 58.1 46.4 69.6

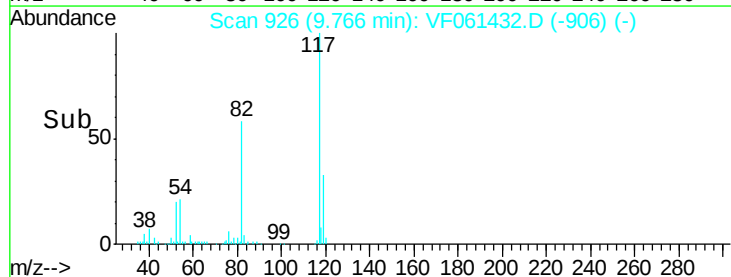
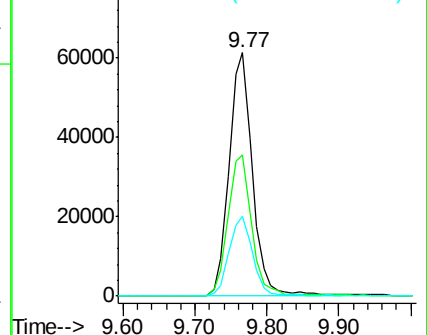
119 32.6 27.2 40.8

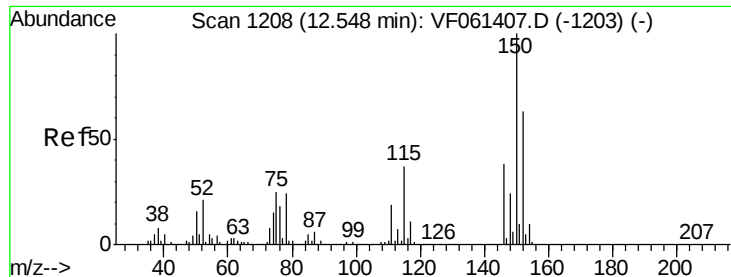


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



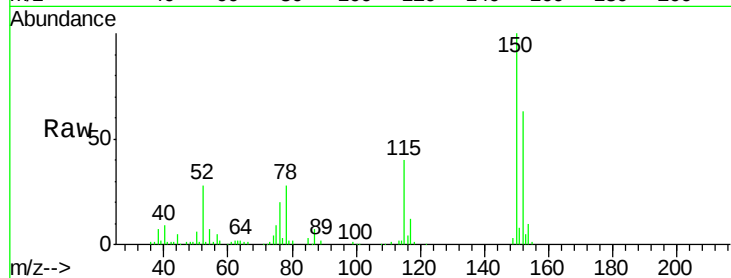


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061432.D
Acq: 17 Jan 2019 00:58

Instrument :
MSVOA_F
ClientSampleId :
WC-06-011519

Tot Ion	Ratio	Lower	Upper
152	100		
115	64.7	30.0	90.0
150	160.0	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

