

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061429.D
 Acq On : 16 Jan 2019 23:31
 Operator : VA/AP
 Sample : K1157-06
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-03-011519

Quant Time: Jan 17 03:00:05 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	211286	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	335568	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	229009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	66237	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	123893	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
35) Dibromofluoromethane	4.10	113	135465	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
50) Toluene-d8	7.54	98	280592	38.68	ug/l	0.00
Spiked Amount			Recovery	=	77.36%	
62) 4-Bromofluorobenzene	11.40	95	91411	26.97	ug/l	0.00
Spiked Amount			Recovery	=	53.94%	

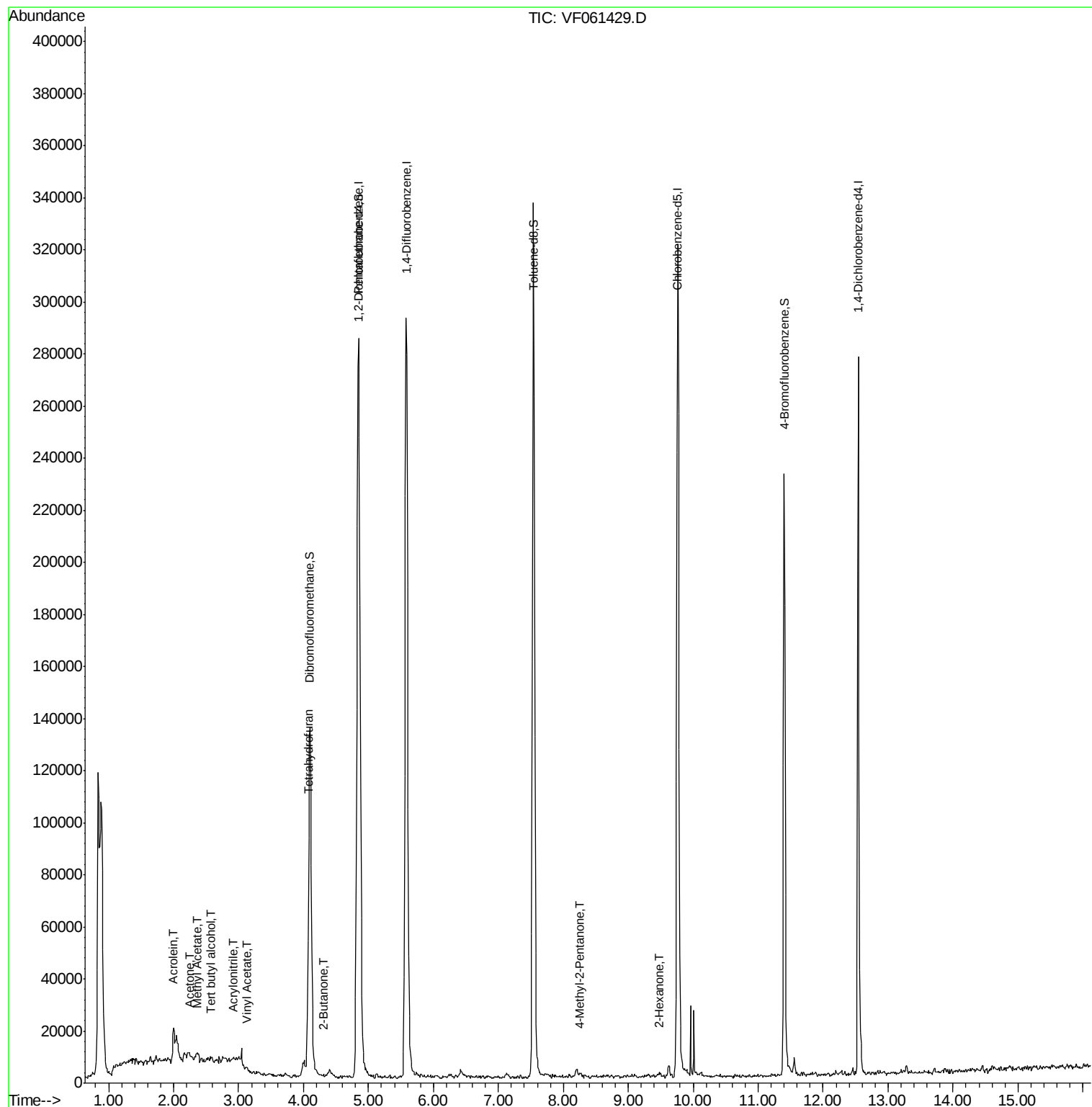
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.59	59	213	1.929	ug/l #	1
13) Acrolein	2.00	56	446	14.832	ug/l #	1
14) Allyl chloride	2.15	41	281	Below Cal	#	88
15) Acrylonitrile	2.93	53	584	2.065	ug/l #	62
16) Acetone	2.24	43	1965	3.755	ug/l	95
18) Methyl Acetate	2.36	43	2733	2.633	ug/l #	61
20) Methylene Chloride	2.17	84	1096	Below Cal	#	75
23) Vinyl Acetate	3.14	43	160	3.247	ug/l #	78
25) 2-Butanone	4.31	43	931	1.070	ug/l #	57
29) Tetrahydrofuran	4.07	42	440	1.174	ug/l #	50
49) 1,4-Dioxane	7.11	88	68	Below Cal	#	34
51) 4-Methyl-2-Pentanone	8.25	43	1690	1.178	ug/l #	39
59) 2-Hexanone	9.48	43	1476	1.475	ug/l	83

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

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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: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061429.D

Acq: 16 Jan 2019 23:31

Instrument :

MSVOA_F

ClientSampleId :

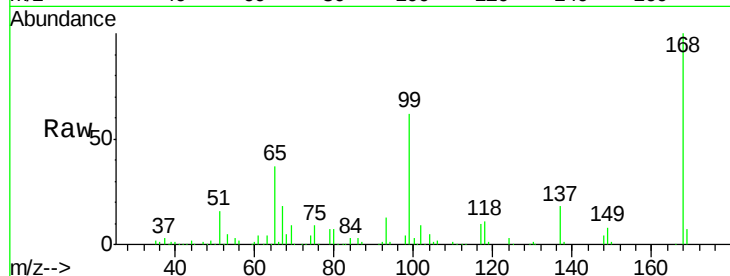
WC-03-011519

Tot Ion:168 Resp: 211286

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

4.85

60000

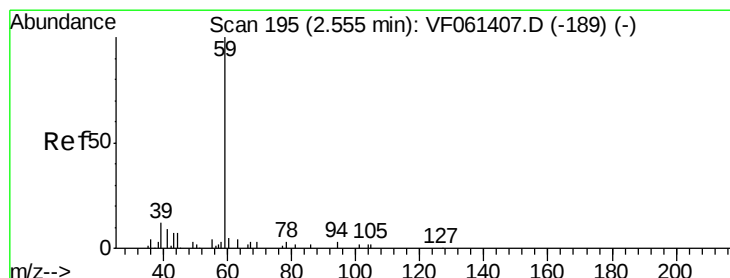
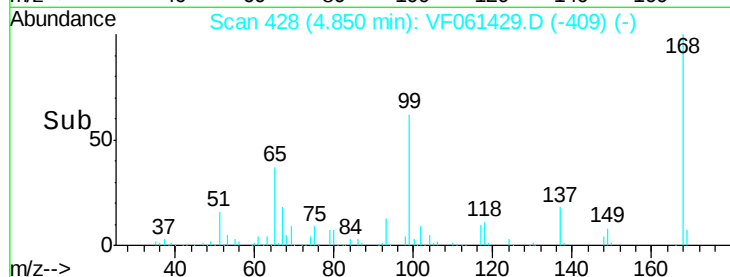
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 1.929 ug/l

RT: 2.59 min Scan# 199

Delta R.T. 0.04 min

Lab File: VF061429.D

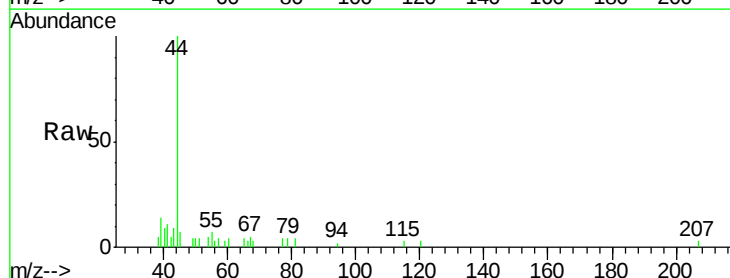
Acq: 16 Jan 2019 23:31

Tgt Ion: 59 Resp: 213

Ion Ratio Lower Upper

59 100

57 132.4 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

250

200

150

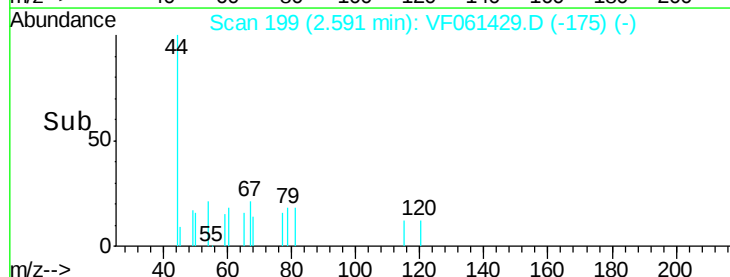
100

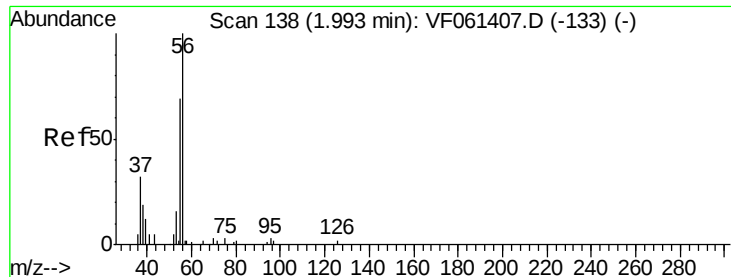
50

0

Time-->

2.55 2.60





#13

Acrolein

Concen: 14.832 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061429.D

Acq: 16 Jan 2019 23:31

Instrument :

MSVOA_F

ClientSampleId :

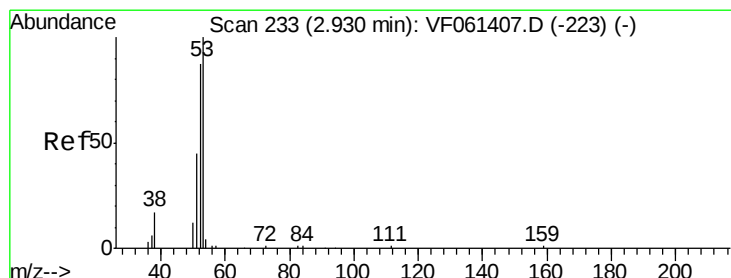
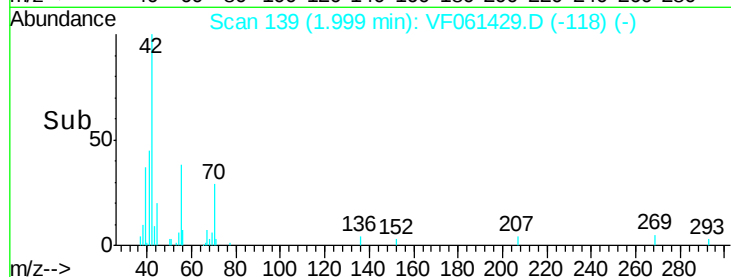
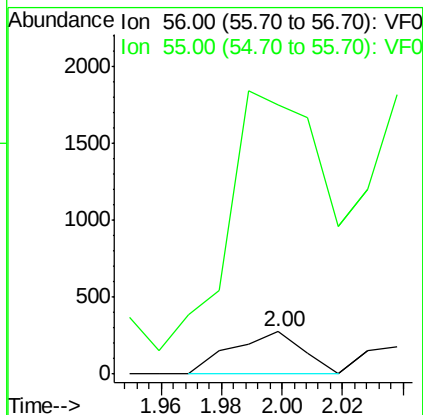
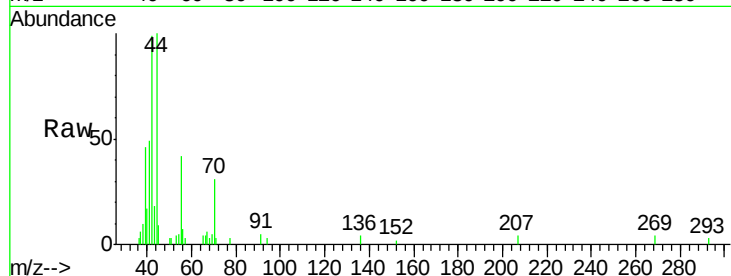
WC-03-011519

Tot Ion: 56 Resp: 446

Ion Ratio Lower Upper

56 100

55 636.4 57.5 86.3#



#15

Acrylonitrile

Concen: 2.065 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF061429.D

Acq: 16 Jan 2019 23:31

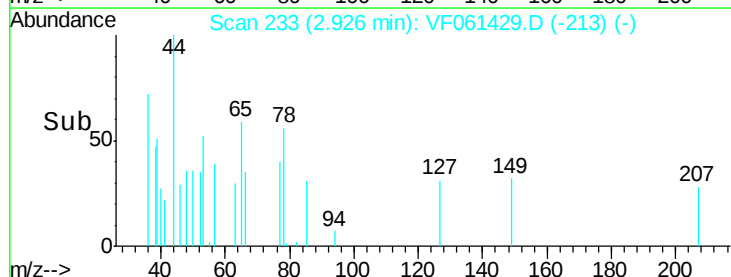
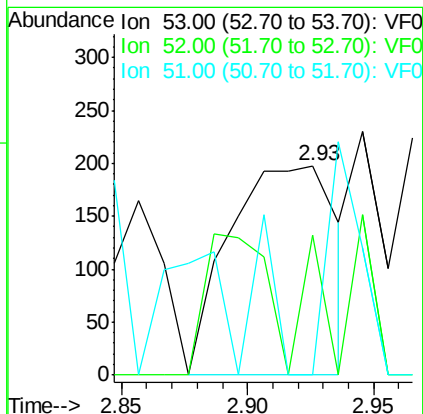
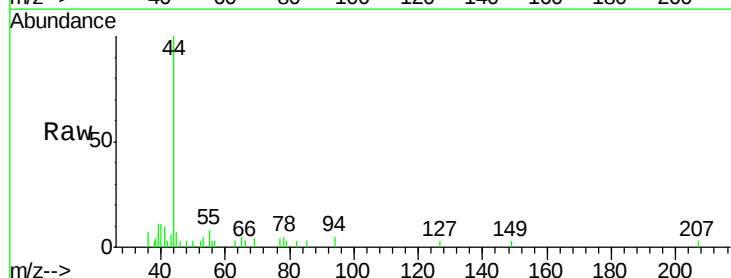
Tgt Ion: 53 Resp: 584

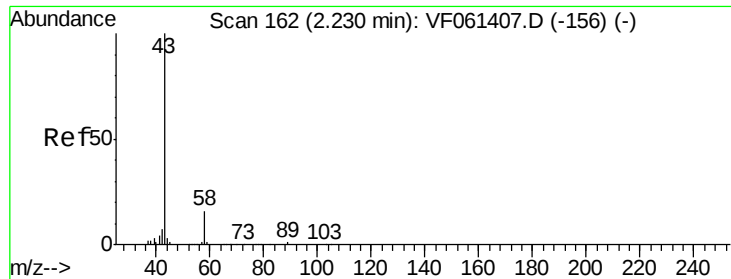
Ion Ratio Lower Upper

53 100

52 66.7 69.6 104.4#

51 0.0 36.8 55.2#

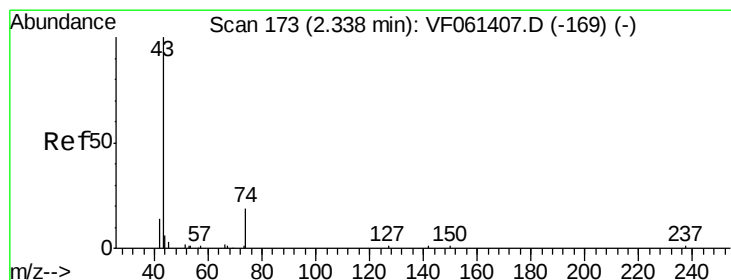
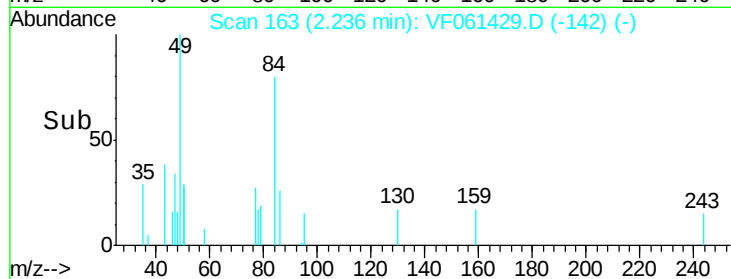
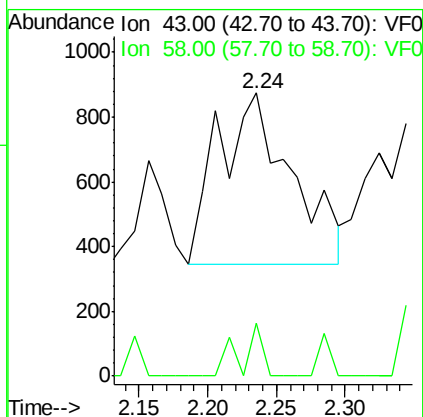
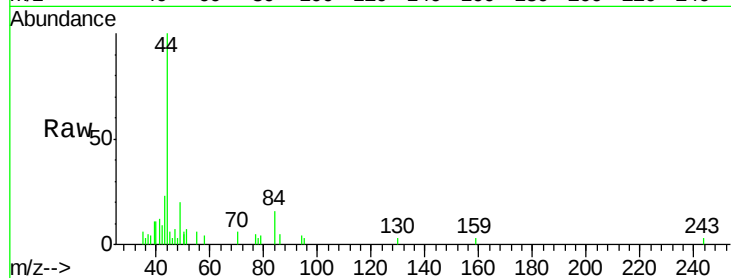




#16
Acetone
Concen: 3.755 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.01 min
Lab File: VF061429.D
Acq: 16 Jan 2019 23:31

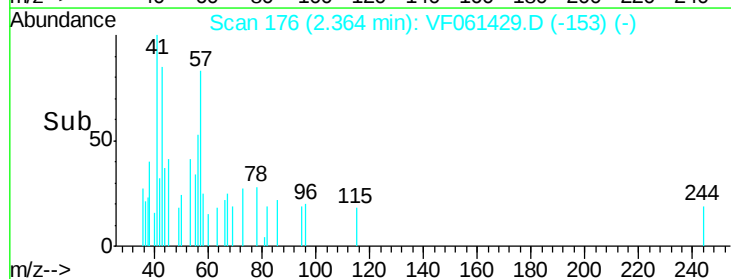
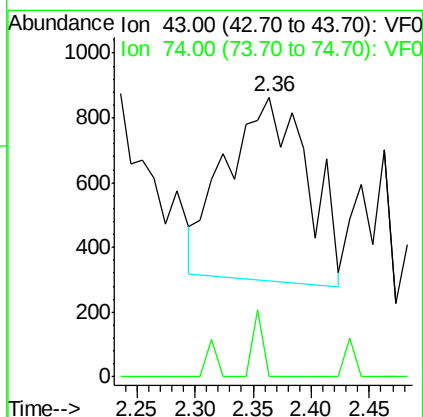
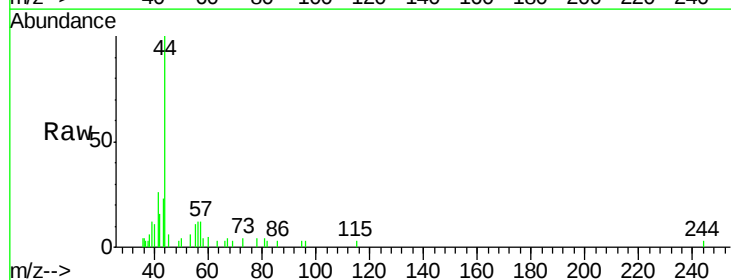
Instrument :
MSVOA_F
ClientSampleId :
WC-03-011519

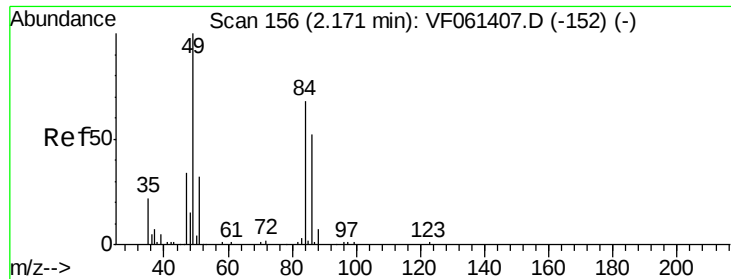
Tot Ion: 43 Resp: 1965
Ion Ratio Lower Upper
43 100
58 18.8 13.3 19.9



#18
Methyl Acetate
Concen: 2.633 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.03 min
Lab File: VF061429.D
Acq: 16 Jan 2019 23:31

Tgt Ion: 43 Resp: 2733
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#

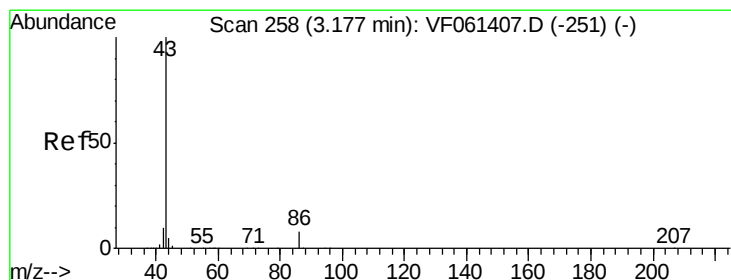
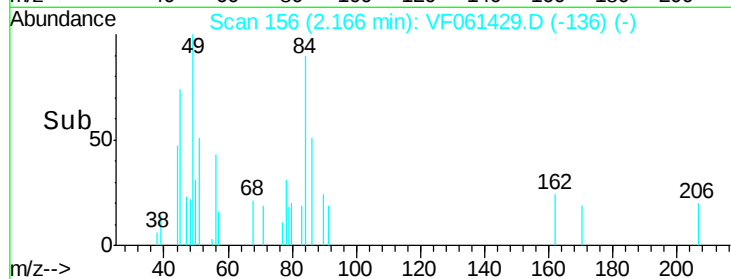
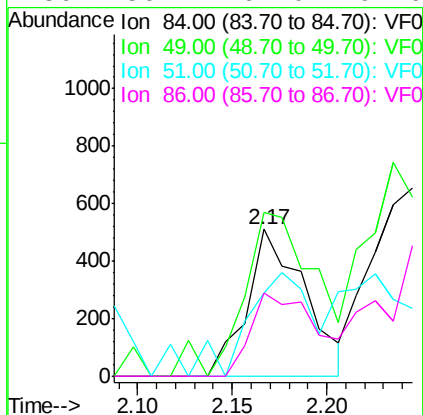
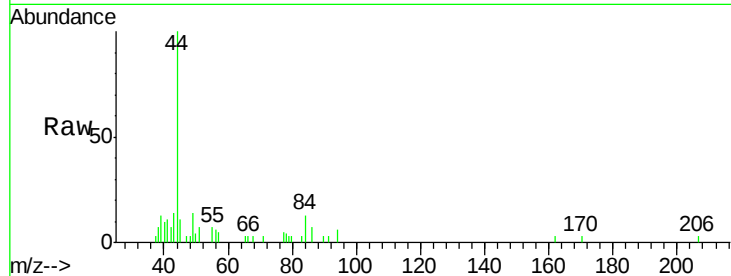




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.17 min Scan# 156
Delta R.T. -0.00 min
Lab File: VF061429.D
Acq: 16 Jan 2019 23:31

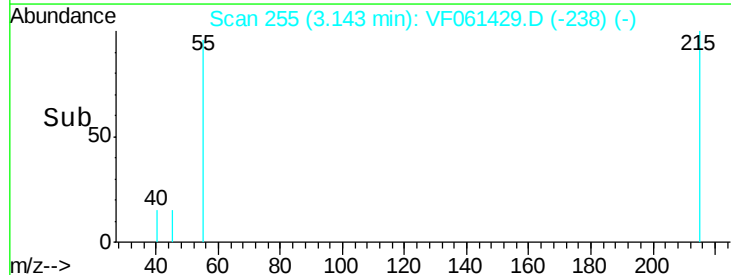
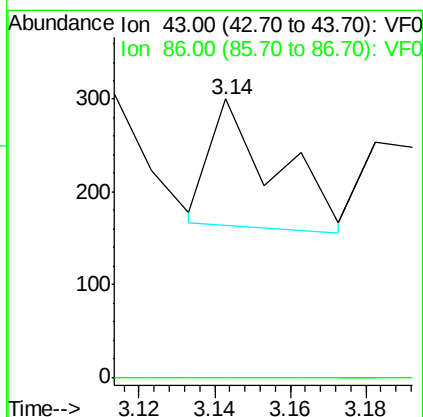
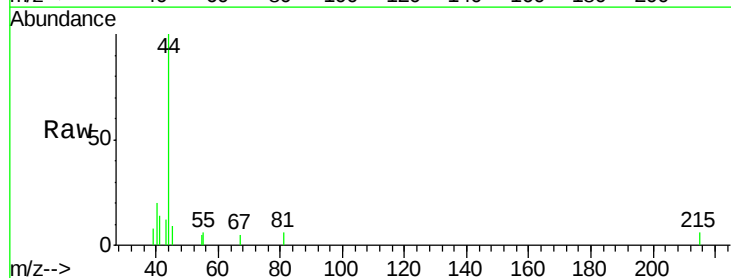
Instrument :
MSVOA_F
ClientSampleId :
WC-03-011519

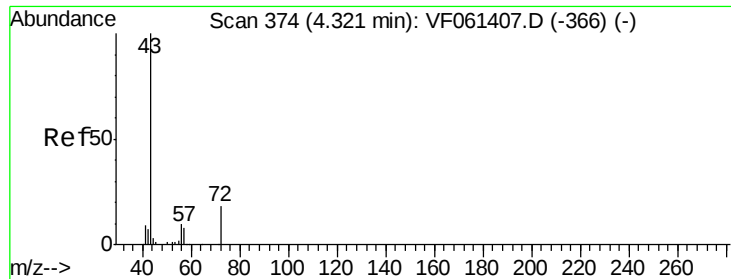
Tot Ion: 84 Resp: 1096
Ion Ratio Lower Upper
84 100
49 111.5 120.0 180.0#
51 56.6 38.6 58.0
86 56.4 61.0 91.6#



#23
Vinyl Acetate
Concen: 3.247 ug/l
RT: 3.14 min Scan# 255
Delta R.T. -0.03 min
Lab File: VF061429.D
Acq: 16 Jan 2019 23:31

Tgt Ion: 43 Resp: 160
Ion Ratio Lower Upper
43 100
86 0.0 6.2 9.4#





#25

2-Butanone

Concen: 1.070 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.01 min

Lab File: VF061429.D

Acq: 16 Jan 2019 23:31

Instrument :

MSVOA_F

ClientSampleId :

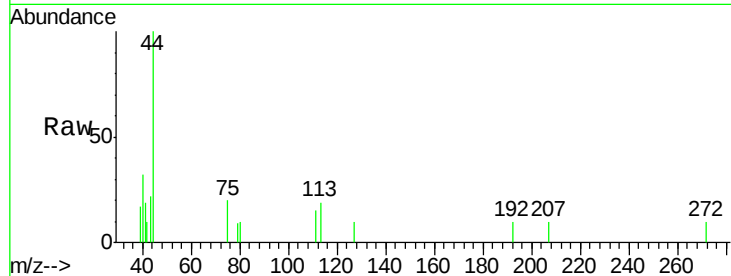
WC-03-011519

Tot Ion: 43 Resp: 931

Ion Ratio Lower Upper

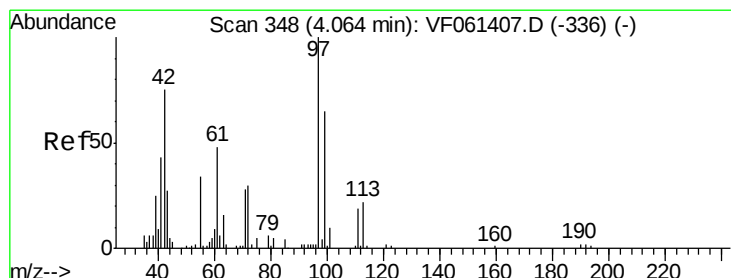
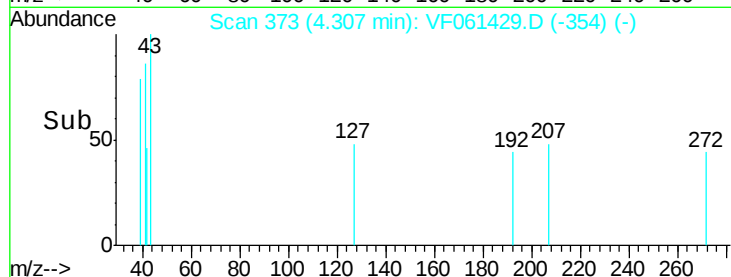
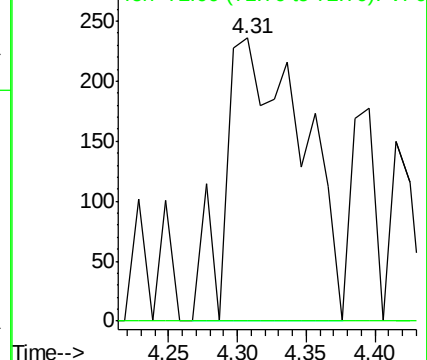
43 100

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



#29

Tetrahydrofuran

Concen: 1.174 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.01 min

Lab File: VF061429.D

Acq: 16 Jan 2019 23:31

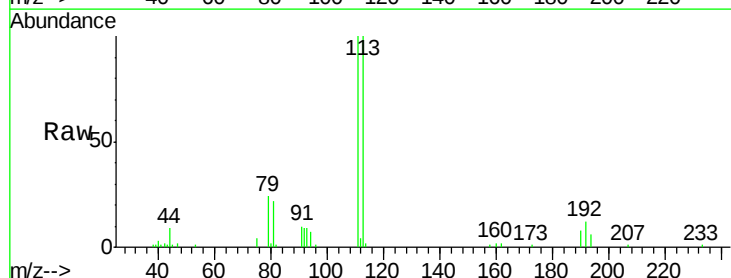
Tgt Ion: 42 Resp: 440

Ion Ratio Lower Upper

42 100

72 0.0 28.9 43.3#

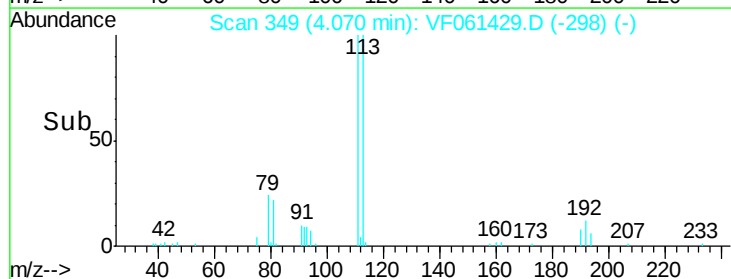
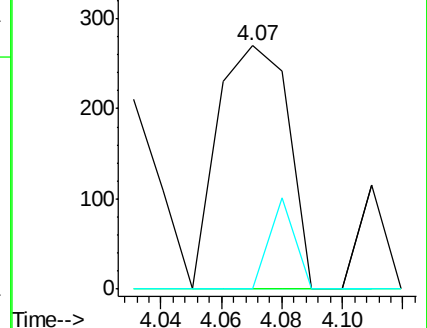
71 13.6 29.6 44.4#

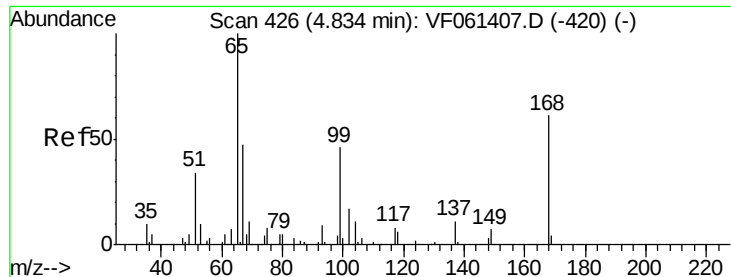


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 47.494 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061429.D

Acq: 16 Jan 2019 23:31

Instrument :

MSVOA_F

ClientSampleId :

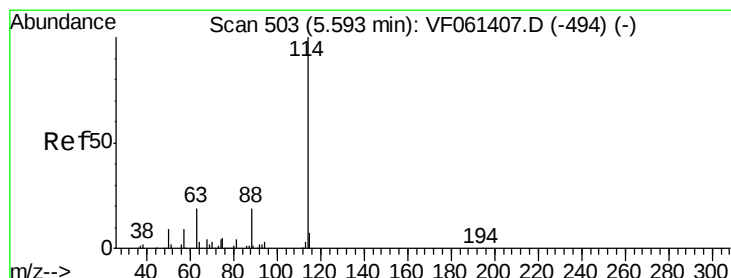
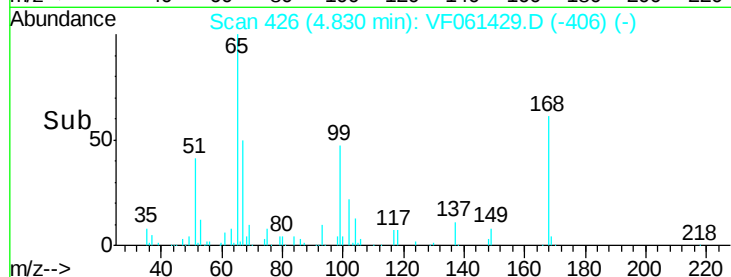
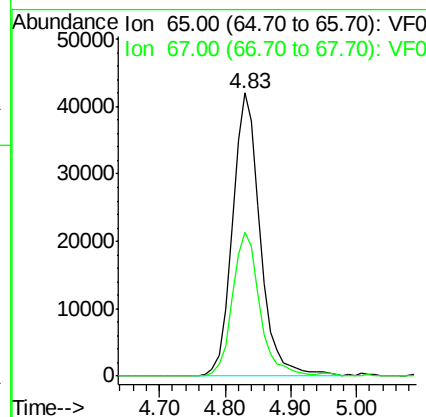
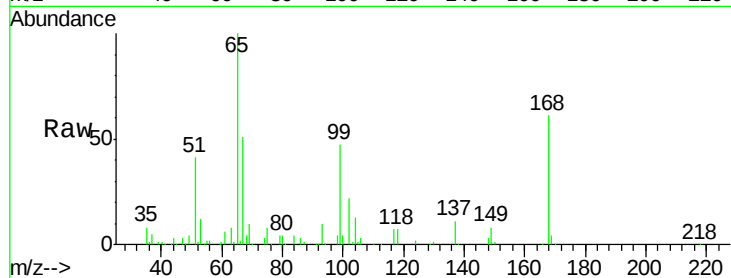
WC-03-011519

Tot Ion: 65 Resp: 123893

Ion Ratio Lower Upper

65 100

67 50.7 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061429.D

Acq: 16 Jan 2019 23:31

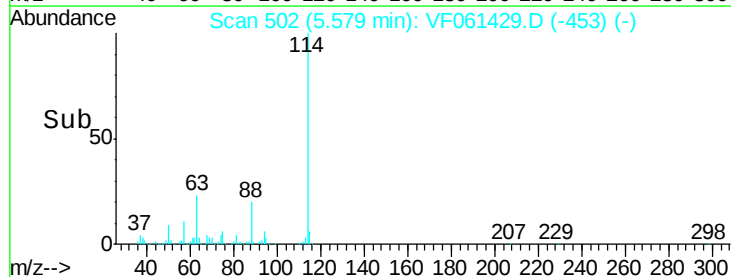
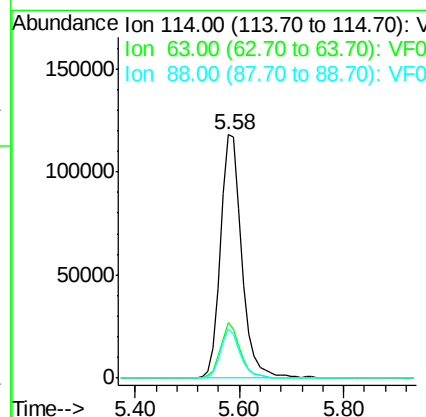
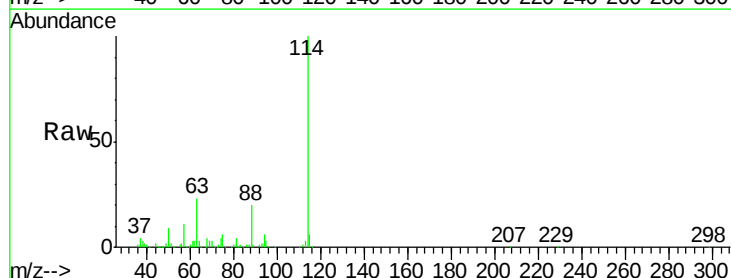
Tgt Ion: 114 Resp: 335568

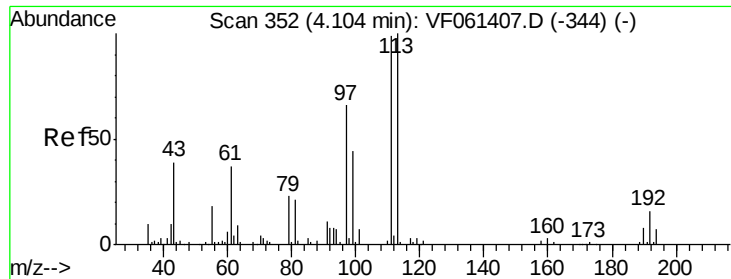
Ion Ratio Lower Upper

114 100

63 22.7 0.0 39.0

88 20.2 0.0 37.4

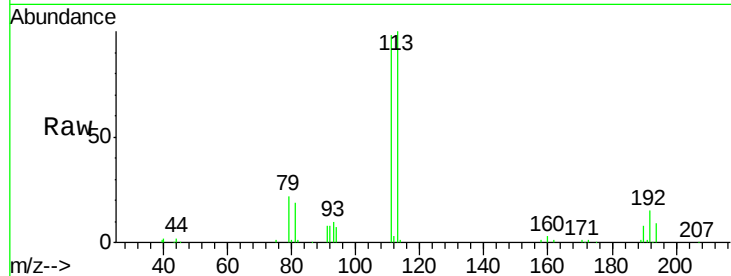




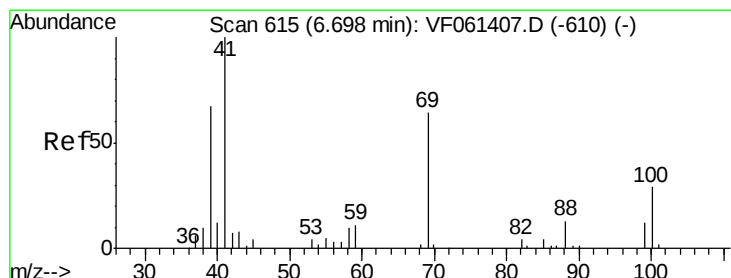
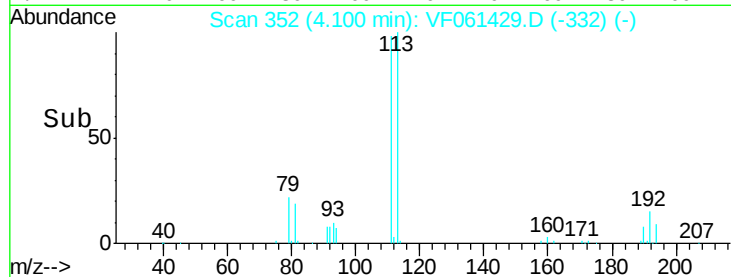
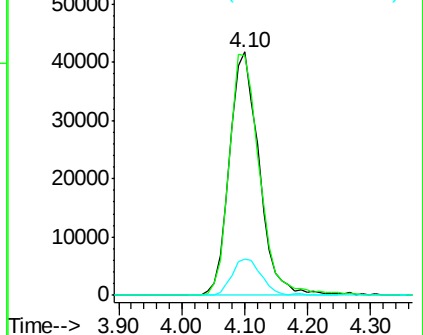
#35
 Dibromofluoromethane
 Concen: 51.159 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.00 min
 Lab File: VF061429.D
 Acq: 16 Jan 2019 23:31

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-03-011519

Tot Ion:113 Resp: 135465
 Ion Ratio Lower Upper
 113 100
 111 98.4 79.4 119.0
 192 15.4 12.4 18.6

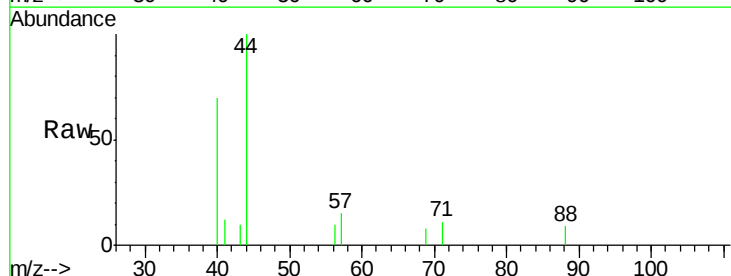


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

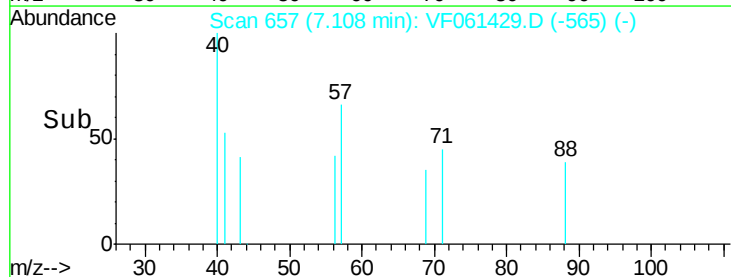
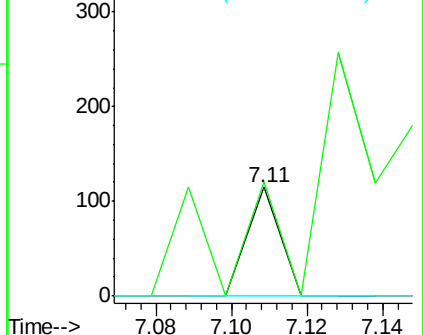


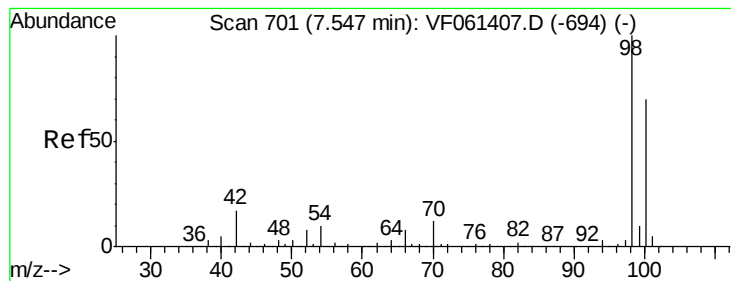
#49
 1,4-Dioxane
 Concen: Below Cal
 RT: 7.11 min Scan# 657
 Delta R.T. 0.41 min
 Lab File: VF061429.D
 Acq: 16 Jan 2019 23:31

Tgt Ion: 88 Resp: 68
 Ion Ratio Lower Upper
 88 100
 43 104.3 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: 38.677 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF061429.D

Acq: 16 Jan 2019 23:31

Instrument :

MSVOA_F

ClientSampleId :

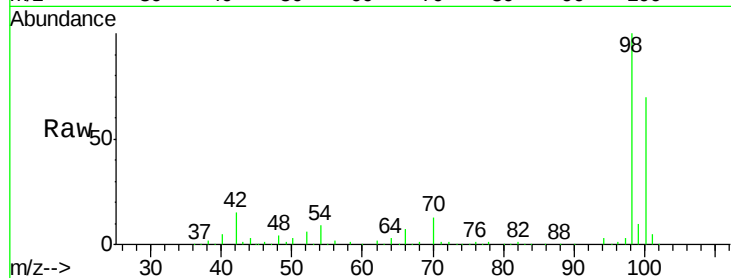
WC-03-011519

Tot Ion: 98 Resp: 280592

Ion Ratio Lower Upper

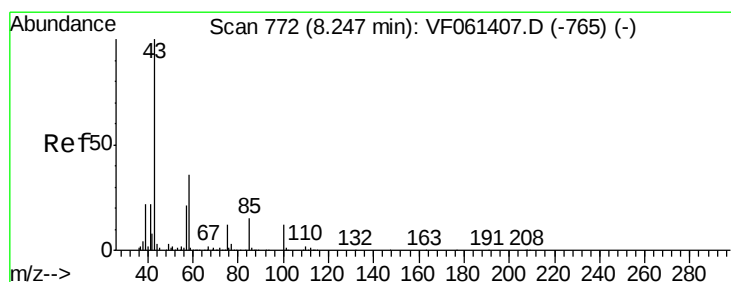
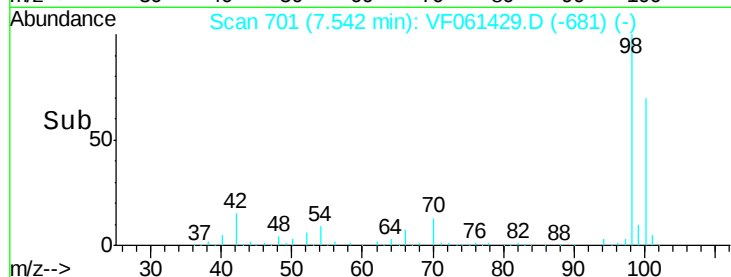
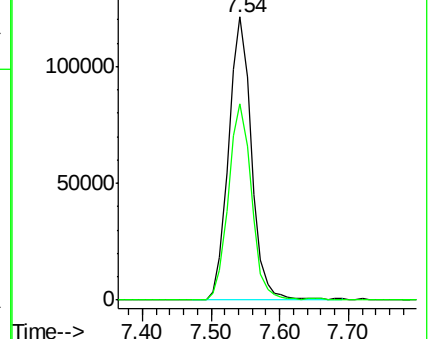
98 100

100 69.5 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: 1.178 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061429.D

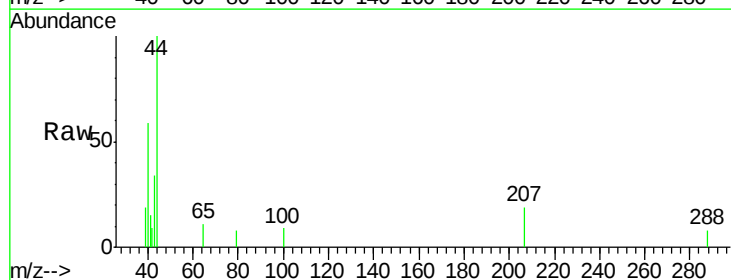
Acq: 16 Jan 2019 23:31

Tgt Ion: 43 Resp: 1690

Ion Ratio Lower Upper

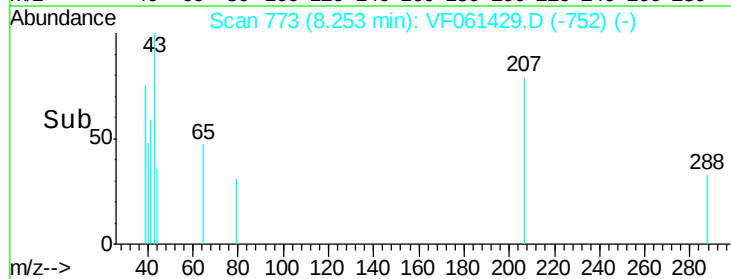
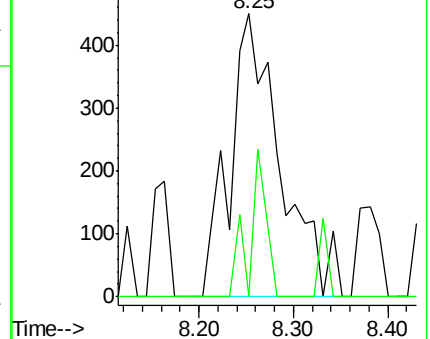
43 100

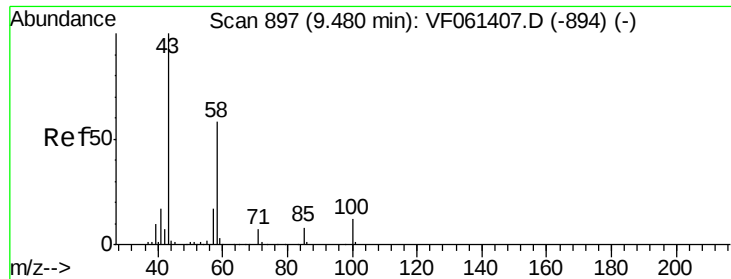
58 0.0 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

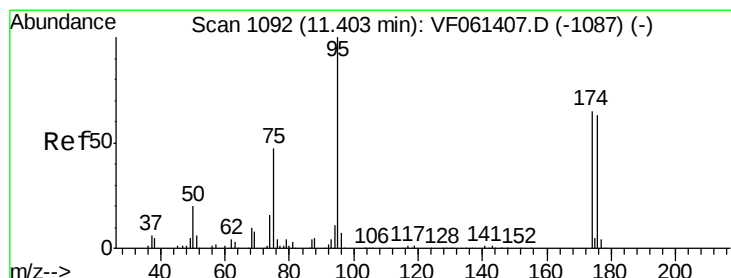
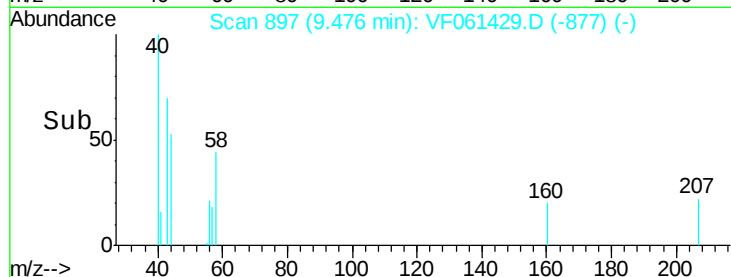
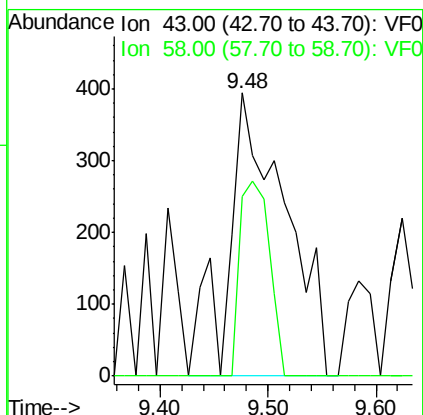
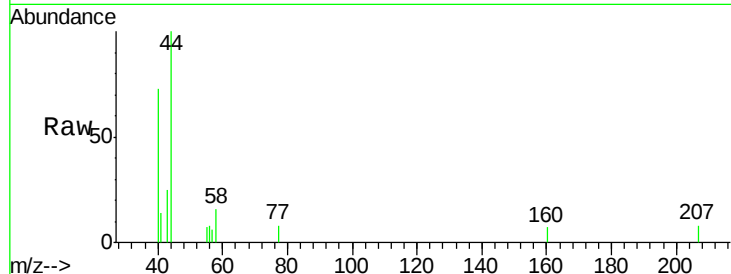




#59
2-Hexanone
Concen: 1.475 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.00 min
Lab File: VF061429.D
Acq: 16 Jan 2019 23:31

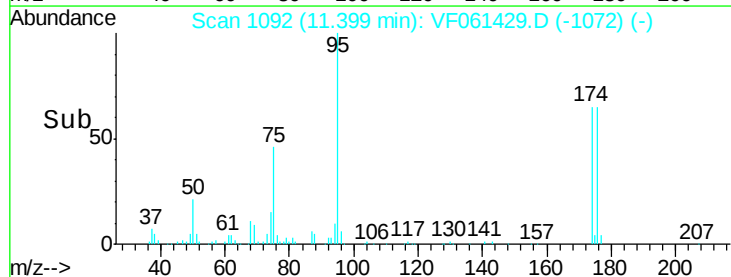
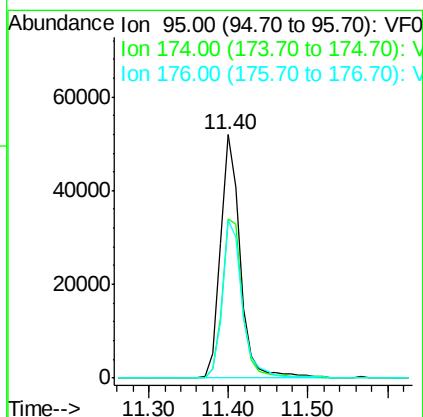
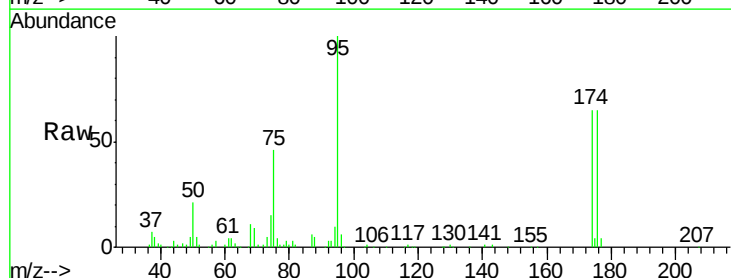
Instrument :
MSVOA_F
ClientSampleId :
WC-03-011519

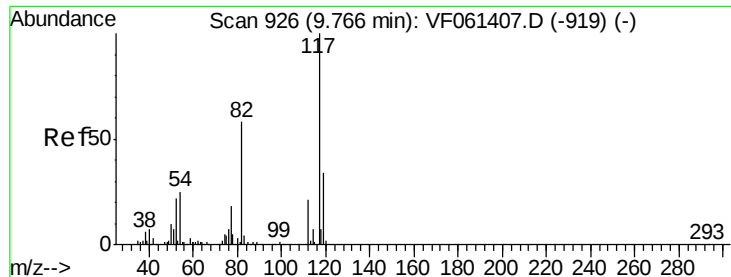
Tot Ion: 43 Resp: 1476
Ion Ratio Lower Upper
43 100
58 63.5 25.9 77.6



#62
4-Bromofluorobenzene
Concen: 26.968 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VF061429.D
Acq: 16 Jan 2019 23:31

Tgt Ion: 95 Resp: 91411
Ion Ratio Lower Upper
95 100
174 65.1 0.0 130.4
176 64.9 0.0 126.2

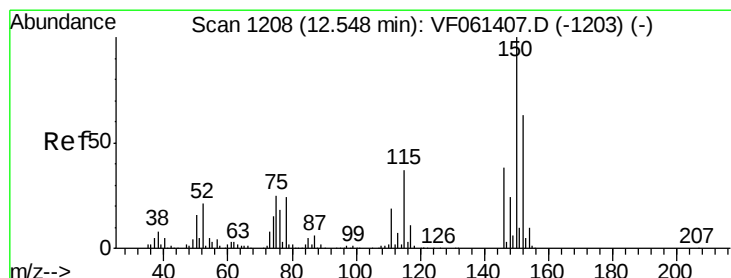
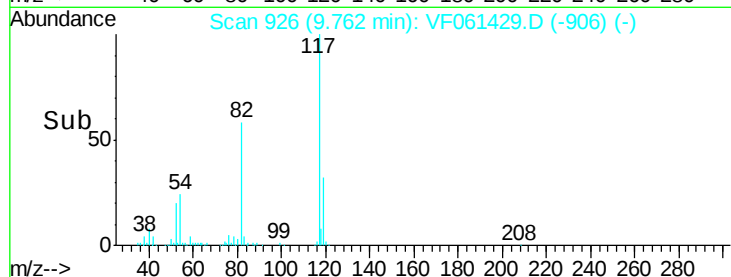
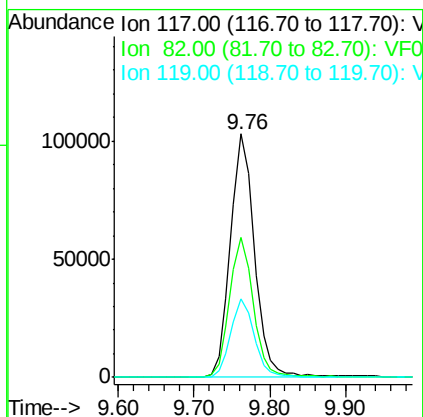
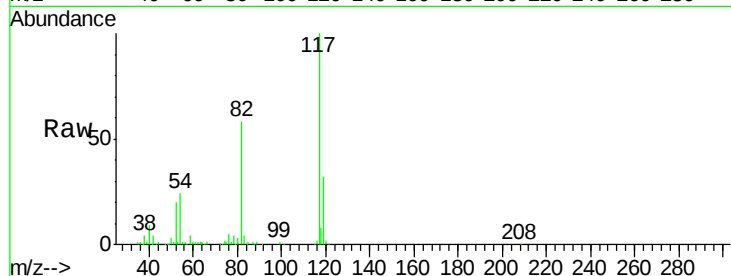




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VF061429.D
Acq: 16 Jan 2019 23:31

Instrument :
MSVOA_F
ClientSampleId :
WC-03-011519

Tot Ion:117 Resp: 229009
Ion Ratio Lower Upper
117 100
82 57.5 46.4 69.6
119 32.5 27.2 40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF061429.D
Acq: 16 Jan 2019 23:31

Tgt Ion:152 Resp: 66237
Ion Ratio Lower Upper
152 100
115 60.8 30.0 90.0
150 155.7 0.0 321.4

