

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061427.D
 Acq On : 16 Jan 2019 22:34
 Operator : VA/AP
 Sample : K1157-02
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-01-011519

Quant Time: Jan 17 02:59:45 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	224080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	374526	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	280800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	103644	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	127504	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	
35) Dibromofluoromethane	4.10	113	139131	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
50) Toluene-d8	7.54	98	331946	41.00	ug/l	0.00
Spiked Amount			Recovery	=	82.00%	
62) 4-Bromofluorobenzene	11.40	95	125427	33.15	ug/l	0.00
Spiked Amount			Recovery	=	66.30%	

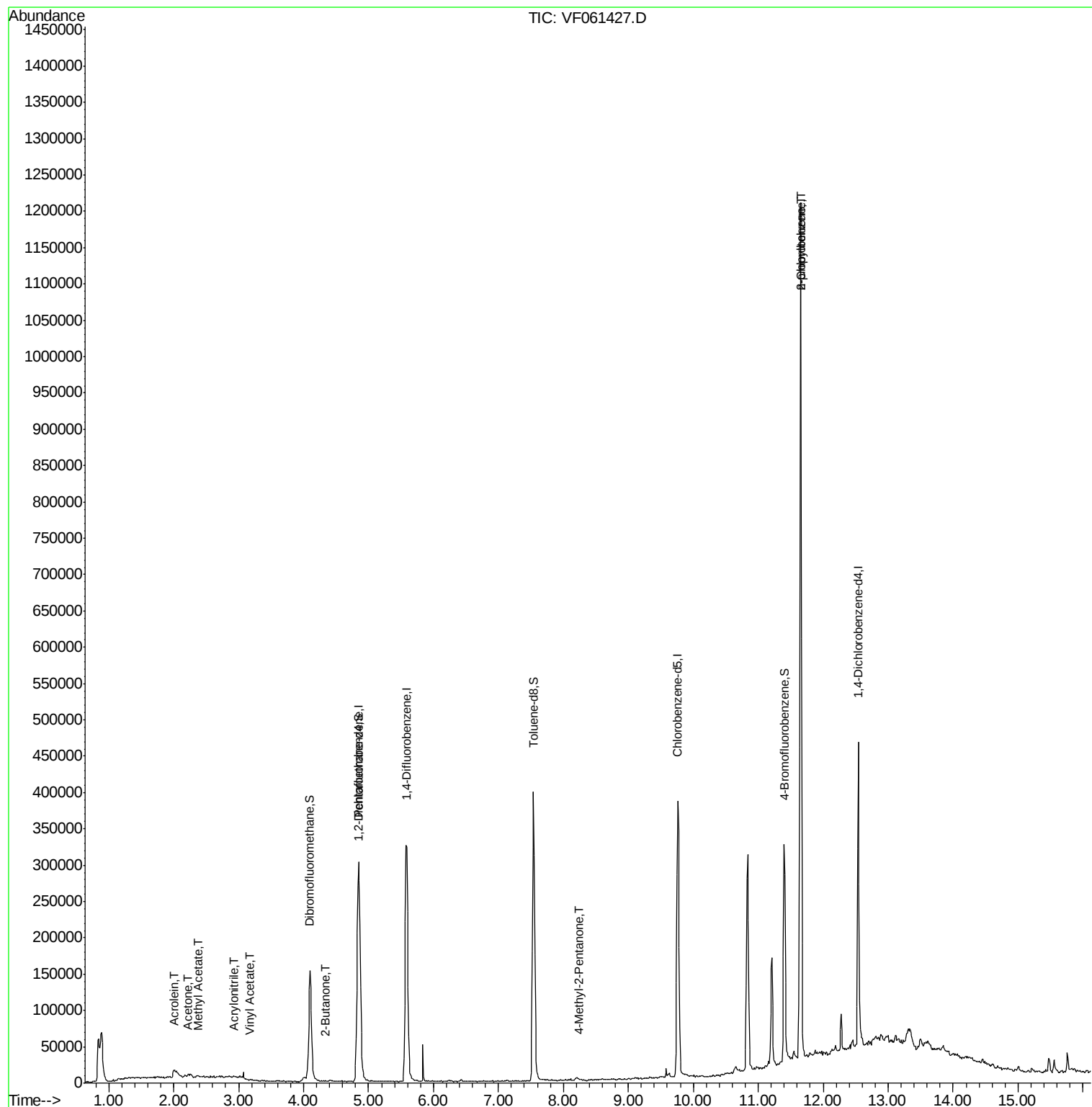
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.00	56	548	15.545	ug/l #	1
14) Allyl chloride	2.05	41	7869	Below Cal	#	69
15) Acrylonitrile	2.91	53	572	1.907	ug/l #	45
16) Acetone	2.22	43	1135	2.045	ug/l	93
18) Methyl Acetate	2.37	43	1651	1.500	ug/l #	61
20) Methylene Chloride	2.18	84	936	Below Cal		87
23) Vinyl Acetate	3.17	43	771	3.438	ug/l #	78
25) 2-Butanone	4.34	43	1041	1.128	ug/l #	57
49) 1,4-Dioxane	6.32	88	72	Below Cal	#	13
51) 4-Methyl-2-Pentanone	8.25	43	2416	1.508	ug/l #	80
78) n-propylbenzene	11.65	91	130365	11.734	ug/l #	59
79) 2-Chlorotoluene	11.65	91	130591	22.328	ug/l #	45

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011619\
Data File : VF061427.D
Acq On : 16 Jan 2019 22:34
Operator : VA/AP
Sample : K1157-02
Misc : 5.03g/5mL/MSVOA-F/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
WC-01-011519

Quant Time: Jan 17 02:59:45 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. -0.01 min

Lab File: VF061427.D

Acq: 16 Jan 2019 22:34

Instrument :

MSVOA_F

ClientSampleId :

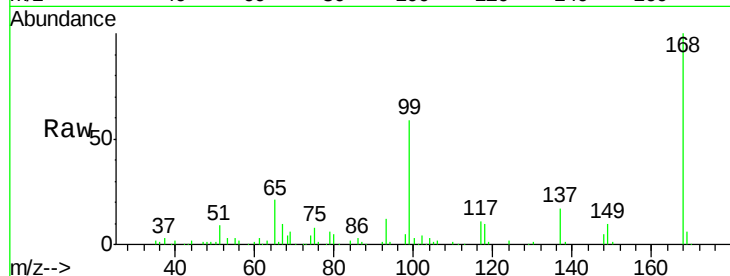
WC-01-011519

Tot Ion:168 Resp: 224080

Ion Ratio Lower Upper

168 100

99 58.6 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

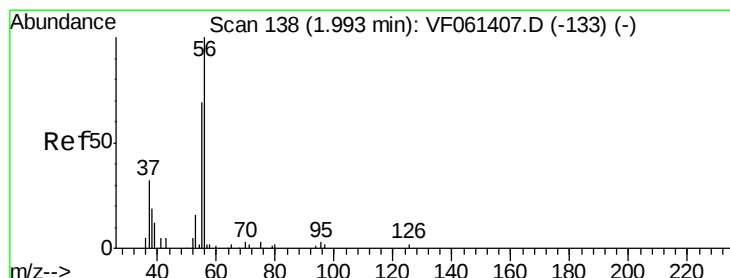
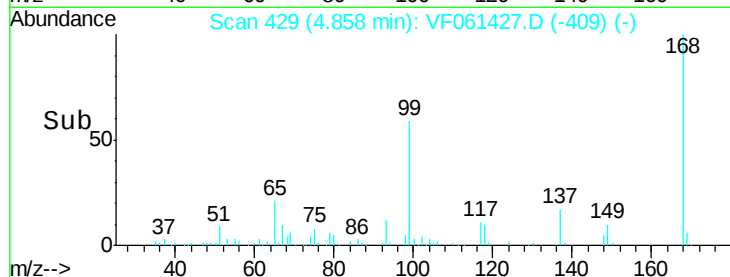
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#13

Acrolein

Concen: 15.545 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061427.D

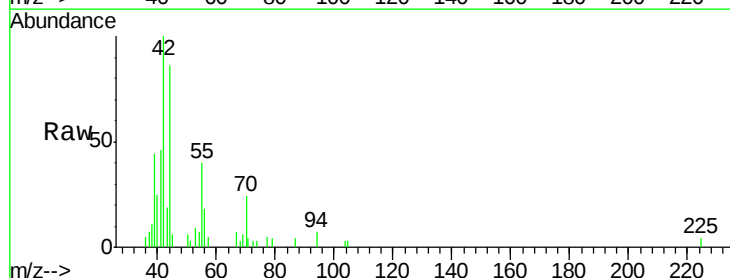
Acq: 16 Jan 2019 22:34

Tgt Ion: 56 Resp: 548

Ion Ratio Lower Upper

56 100

55 218.9 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2000

1500

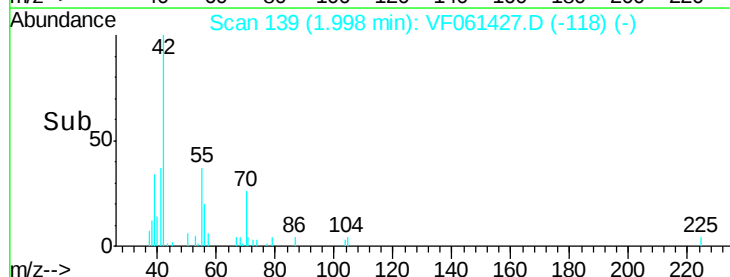
1000

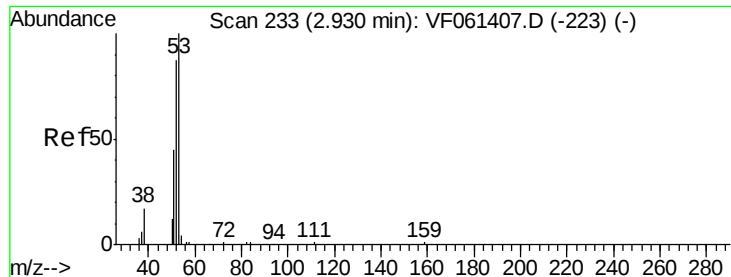
500

0

1.98 2.00 2.02

Time-->





#15

Acrylonitrile

Concen: 1.907 ug/l

RT: 2.91 min Scan# 232

Delta R.T. -0.02 min

Lab File: VF061427.D

Acq: 16 Jan 2019 22:34

Instrument :

MSVOA_F

ClientSampleId :

WC-01-011519

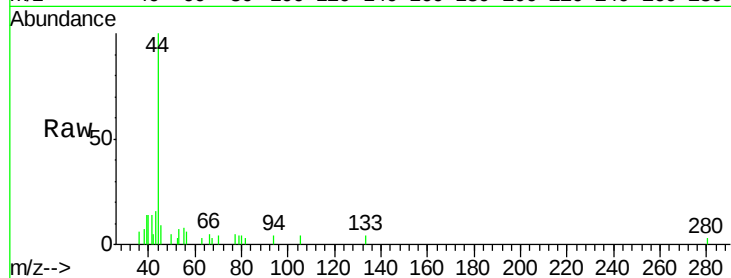
Tot Ion: 53 Resp: 572

Ion Ratio Lower Upper

53 100

52 42.8 69.6 104.4#

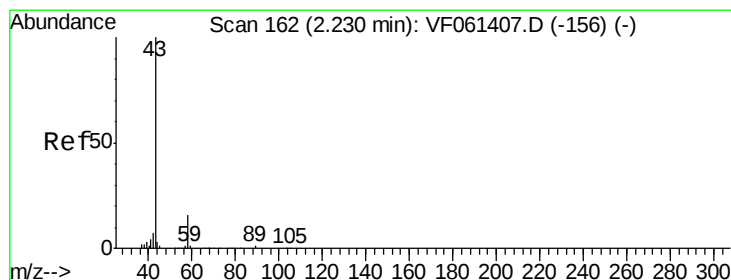
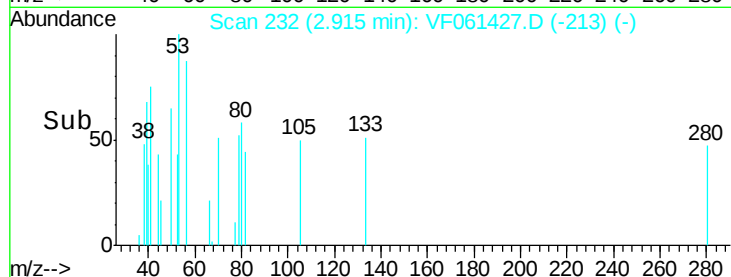
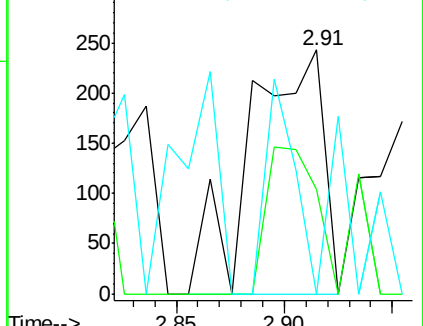
51 0.0 36.8 55.2#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 2.045 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061427.D

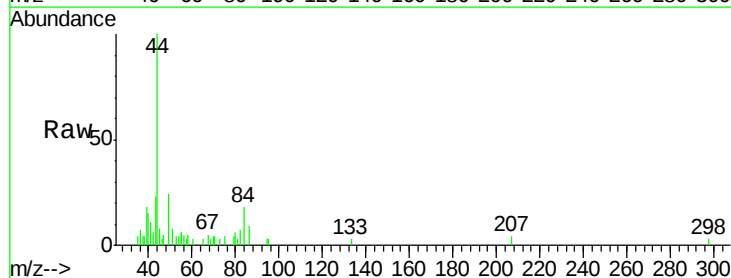
Acq: 16 Jan 2019 22:34

Tgt Ion: 43 Resp: 1135

Ion Ratio Lower Upper

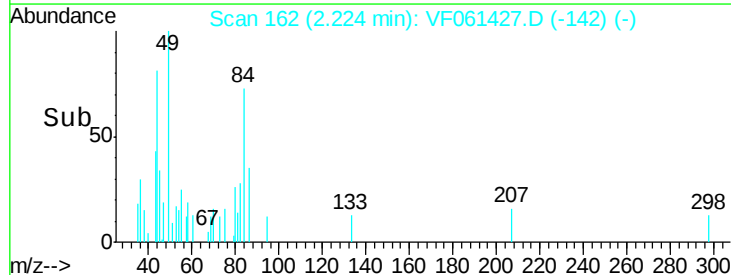
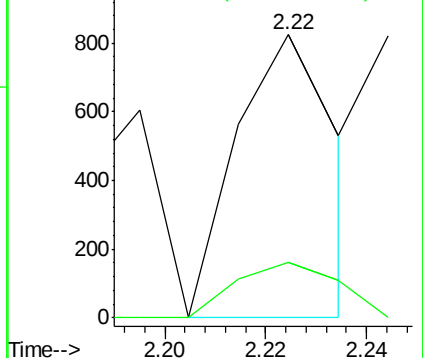
43 100

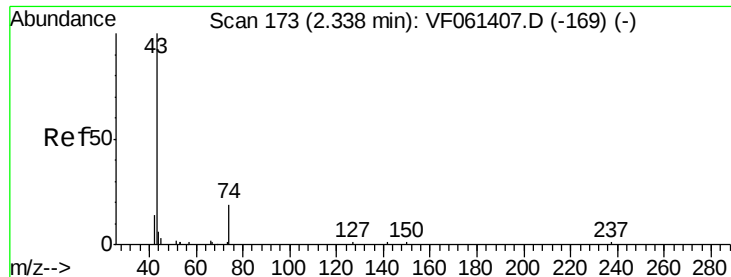
58 19.4 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

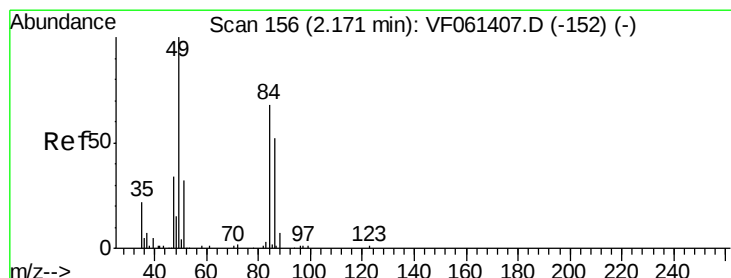
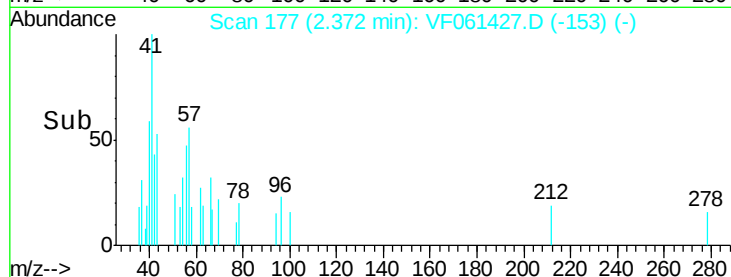
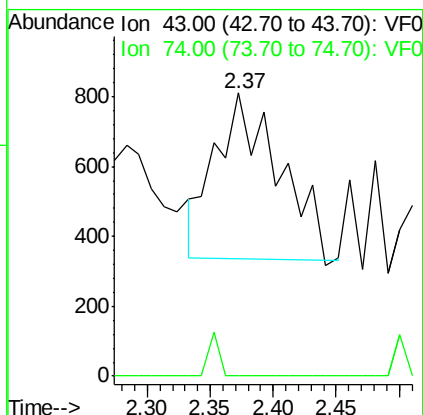
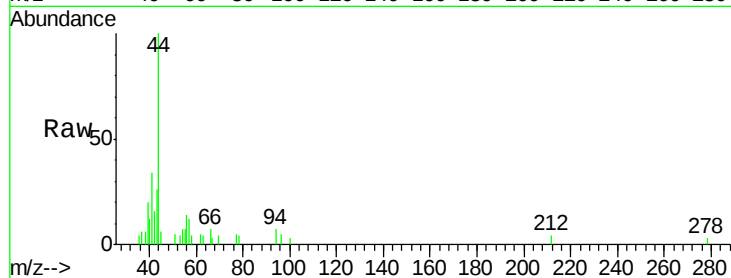




#18
Methyl Acetate
Concen: 1.500 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.03 min
Lab File: VF061427.D
Acq: 16 Jan 2019 22:34

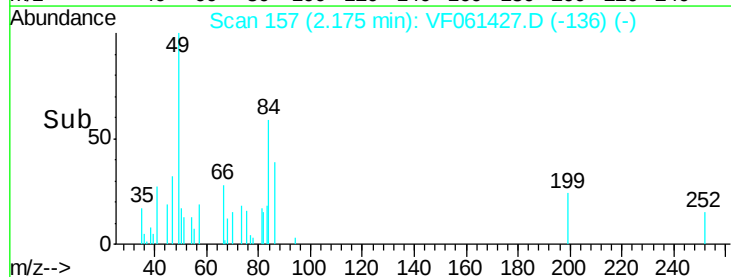
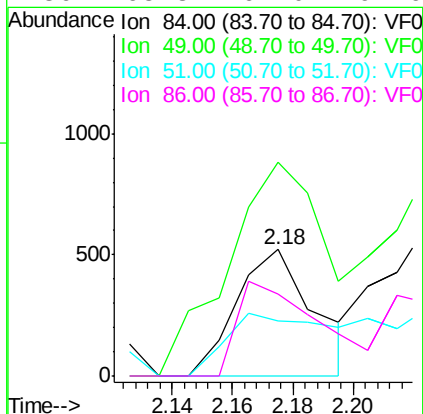
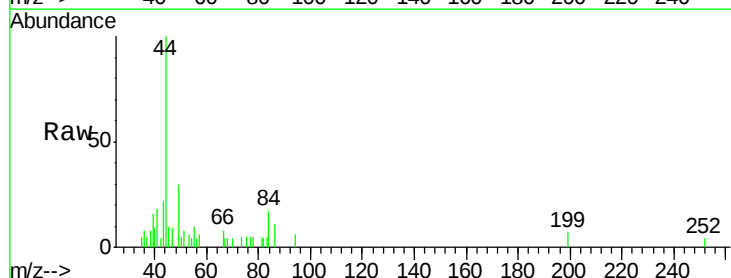
Instrument :
MSVOA_F
ClientSampleId :
WC-01-011519

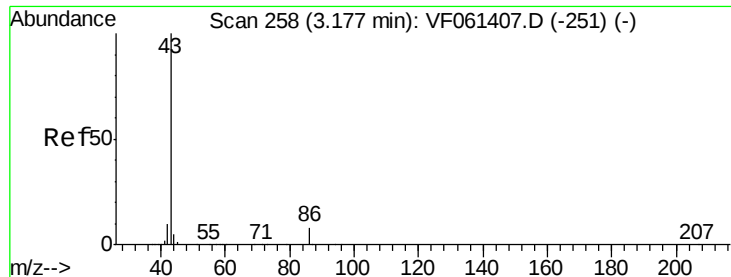
Tot Ion: 43 Resp: 1651
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061427.D
Acq: 16 Jan 2019 22:34

Tgt Ion: 84 Resp: 936
Ion Ratio Lower Upper
84 100
49 168.8 120.0 180.0
51 43.1 38.6 58.0
86 65.3 61.0 91.6





#23

Vinyl Acetate

Concen: 3.438 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061427.D

Acq: 16 Jan 2019 22:34

Instrument :

MSVOA_F

ClientSampleId :

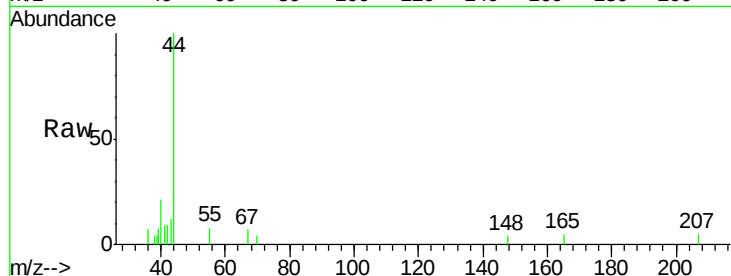
WC-01-011519

Tot Ion: 43 Resp: 771

Ion Ratio Lower Upper

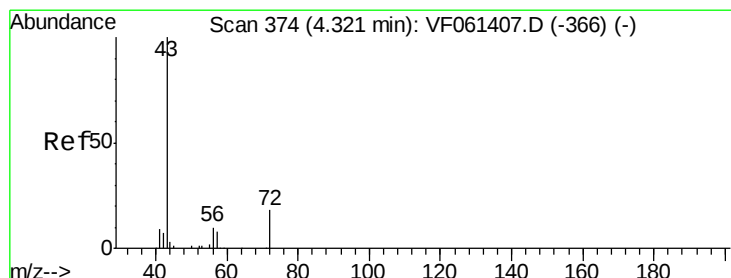
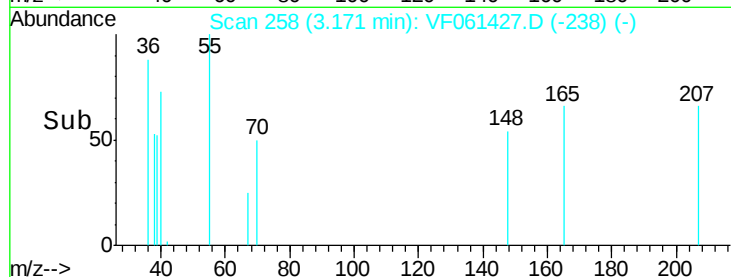
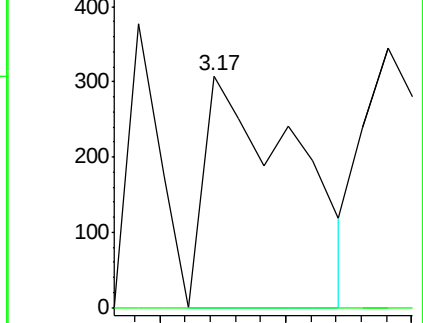
43 100

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: 1.128 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061427.D

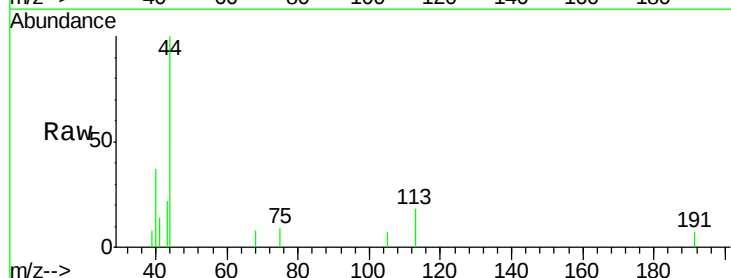
Acq: 16 Jan 2019 22:34

Tgt Ion: 43 Resp: 1041

Ion Ratio Lower Upper

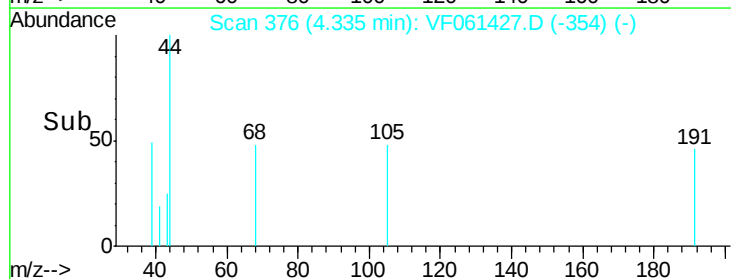
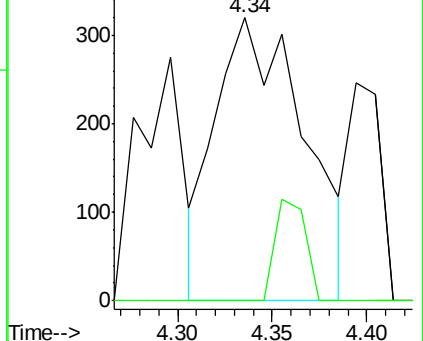
43 100

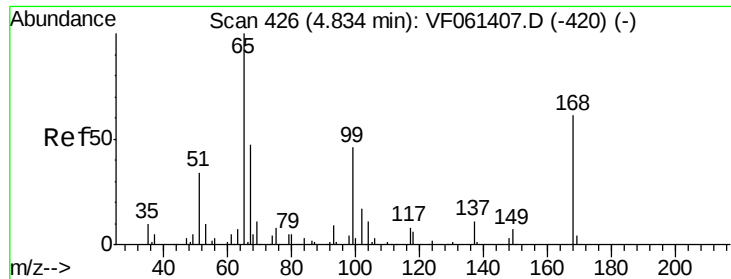
72 0.0 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 46.088 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061427.D

Acq: 16 Jan 2019 22:34

Instrument :

MSVOA_F

ClientSampleId :

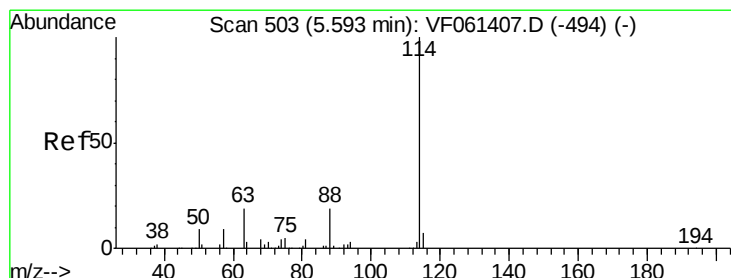
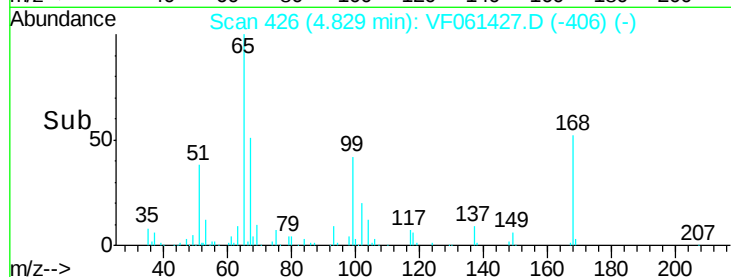
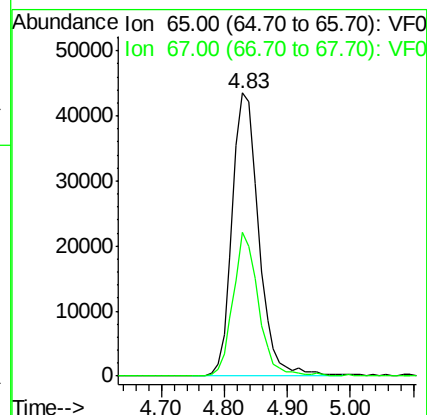
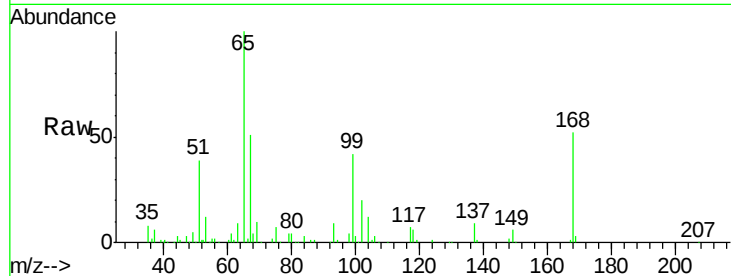
WC-01-011519

Tot Ion: 65 Resp: 127504

Ion Ratio Lower Upper

65 100

67 50.9 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: VF061427.D

Acq: 16 Jan 2019 22:34

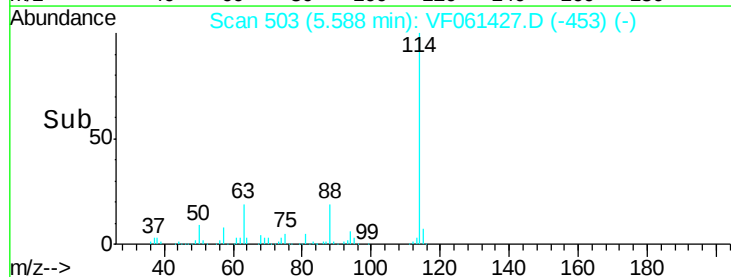
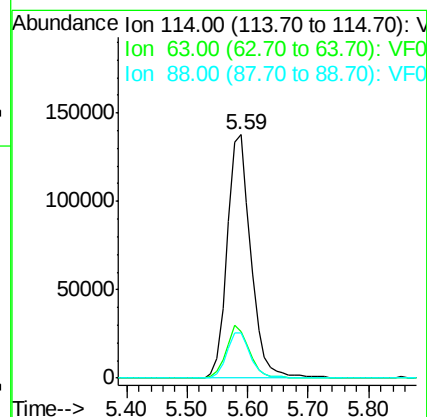
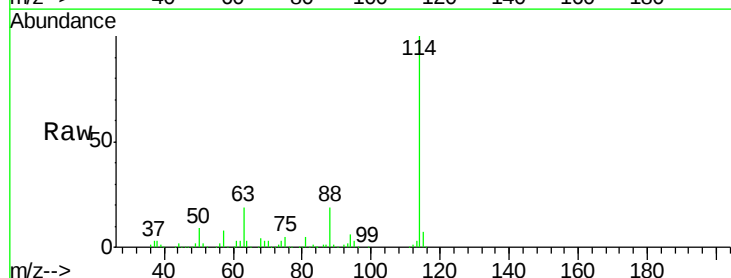
Tgt Ion:114 Resp: 374526

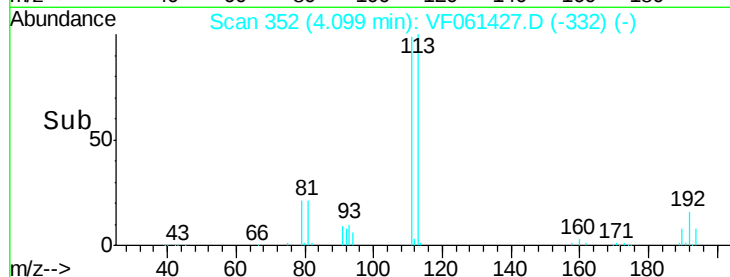
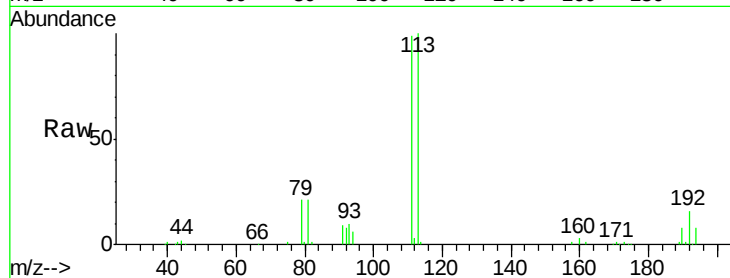
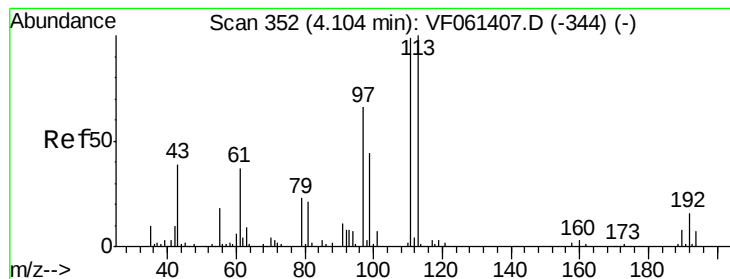
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.0

88 18.8 0.0 37.4





#35

Dibromofluoromethane

Concen: 47.078 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061427.D

Acq: 16 Jan 2019 22:34

Instrument :

MSVOA_F

ClientSampleId :

WC-01-011519

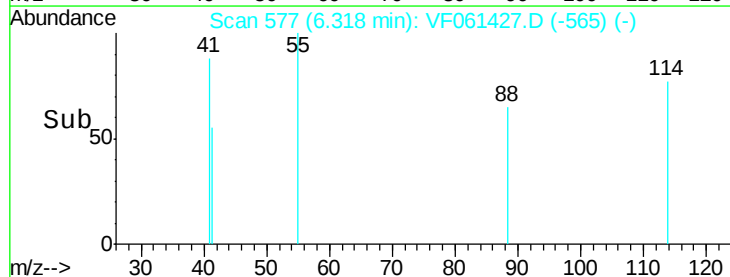
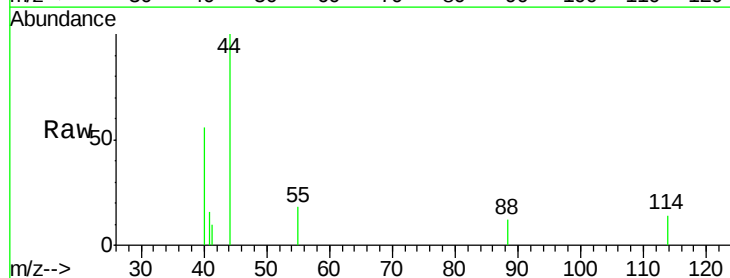
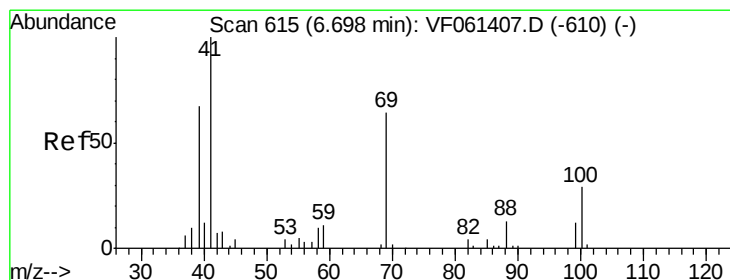
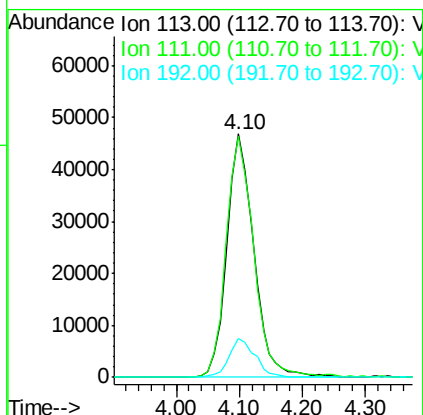
Tot Ion:113 Resp: 139131

Ion Ratio Lower Upper

113 100

111 98.9 79.4 119.0

192 16.1 12.4 18.6



#49

1,4-Dioxane

Concen: Below Cal

RT: 6.32 min Scan# 577

Delta R.T. -0.38 min

Lab File: VF061427.D

Acq: 16 Jan 2019 22:34

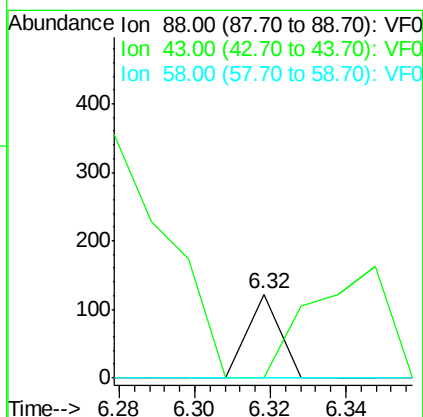
Tgt Ion: 88 Resp: 72

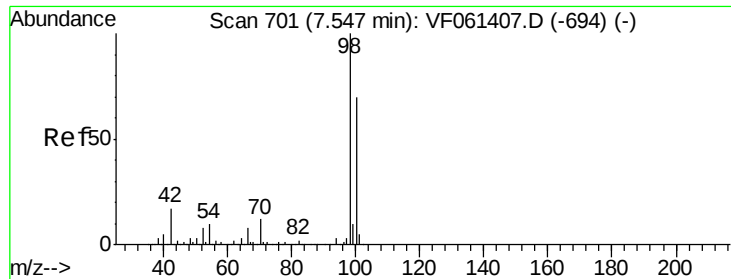
Ion Ratio Lower Upper

88 100

43 0.0 55.5 83.3#

58 0.0 59.9 89.9#





#50

Toluene-d8

Concen: 40.996 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061427.D

Acq: 16 Jan 2019 22:34

Instrument :

MSVOA_F

ClientSampleId :

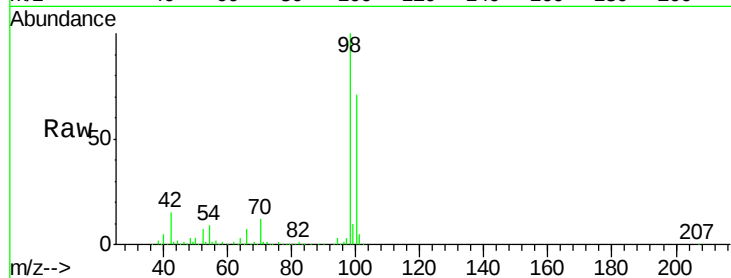
WC-01-011519

Tot Ion: 98 Resp: 331946

Ion Ratio Lower Upper

98 100

100 71.0 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

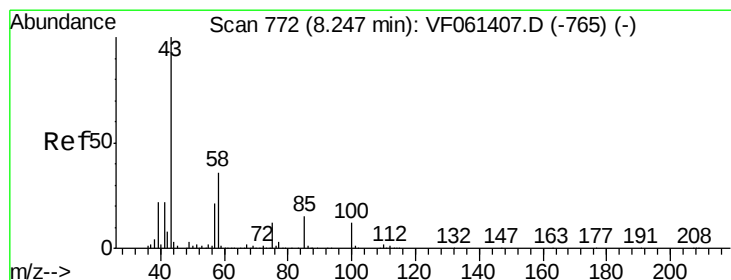
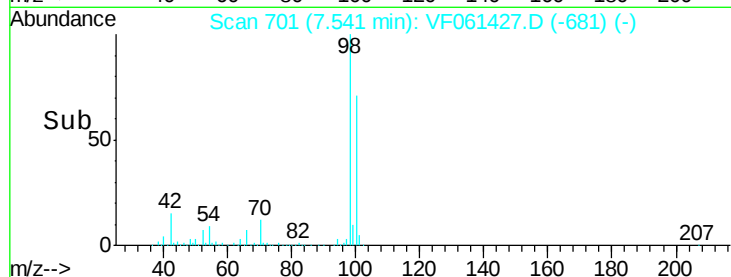
150000

100000

50000

0

Time--> 7.40 7.50 7.60 7.70



#51

4-Methyl-2-Pentanone

Concen: 1.508 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061427.D

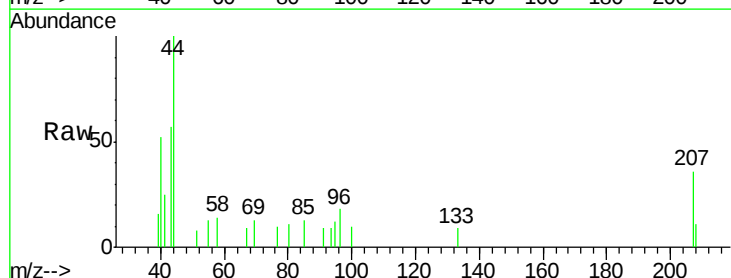
Acq: 16 Jan 2019 22:34

Tgt Ion: 43 Resp: 2416

Ion Ratio Lower Upper

43 100

58 24.1 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

800

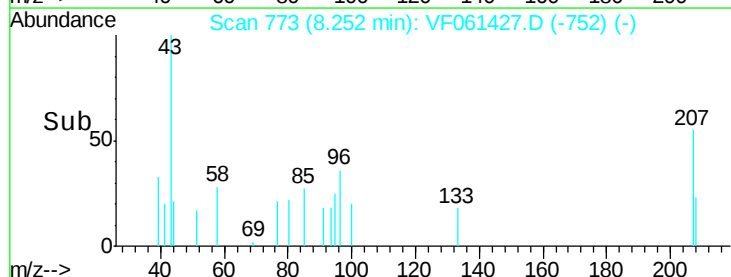
600

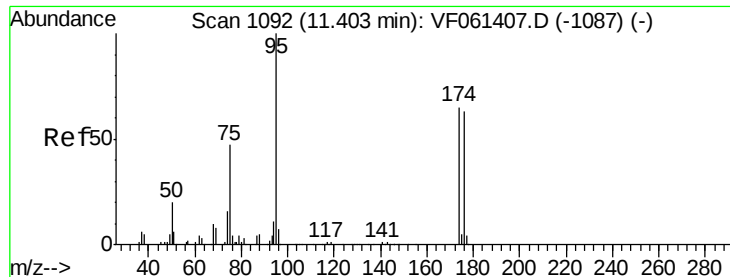
400

200

0

Time--> 8.15 8.20 8.25 8.30 8.35





#62

4-Bromofluorobenzene

Concen: 33.154 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061427.D

Acq: 16 Jan 2019 22:34

Instrument :

MSVOA_F

ClientSampleId :

WC-01-011519

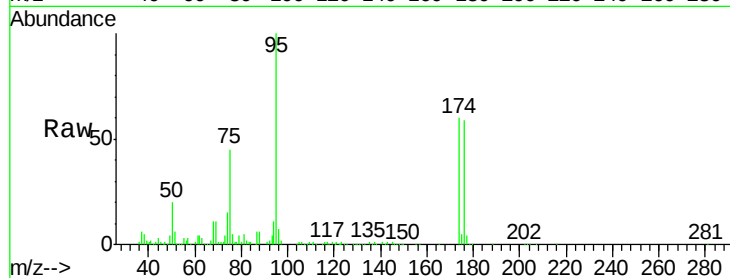
Tot Ion: 95 Resp: 125427

Ion Ratio Lower Upper

95 100

174 60.3 0.0 130.4

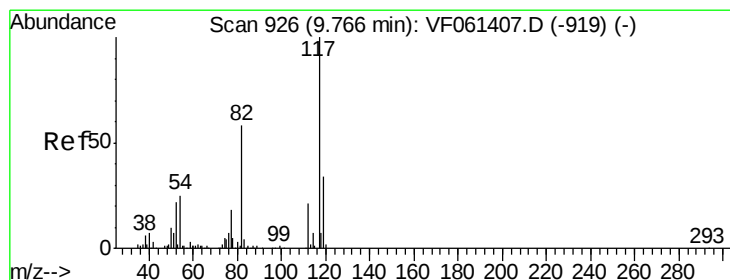
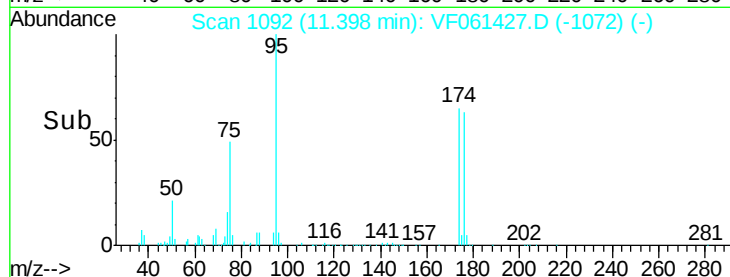
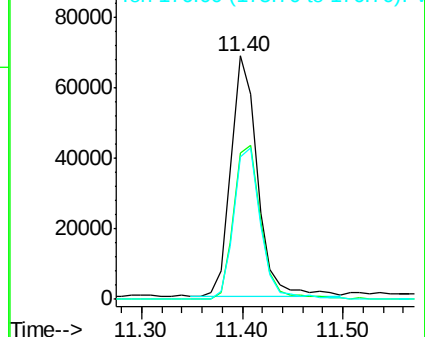
176 58.5 0.0 126.2



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: 9.76 min Scan# 926

Delta R.T. -0.01 min

Lab File: VF061427.D

Acq: 16 Jan 2019 22:34

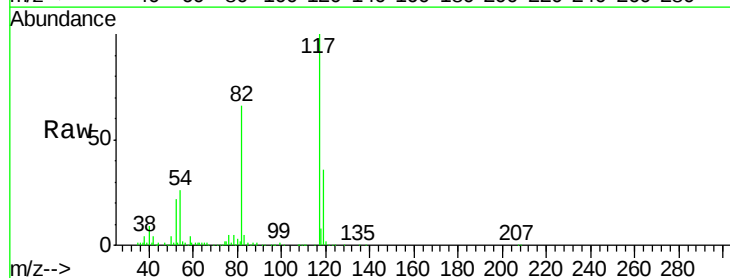
Tgt Ion: 117 Resp: 280800

Ion Ratio Lower Upper

117 100

82 66.4 46.4 69.6

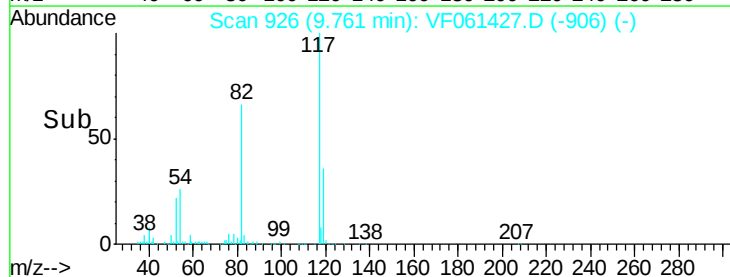
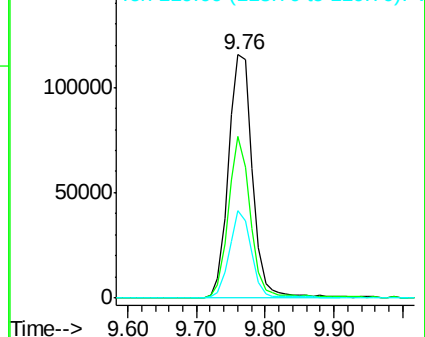
119 35.8 27.2 40.8

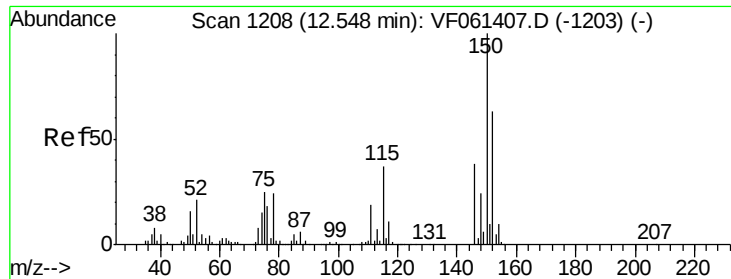


Abundance Ion 117.00 (116.70 to 117.70): VF0

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# 1208

Delta R.T. -0.01 min

Lab File: VF061427.D

Acq: 16 Jan 2019 22:34

Instrument :

MSVOA_F

ClientSampleId :

WC-01-011519

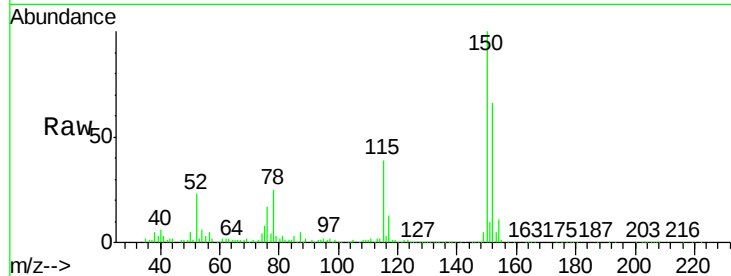
Tot Ion:152 Resp: 103644

Ion Ratio Lower Upper

152 100

115 58.9 30.0 90.0

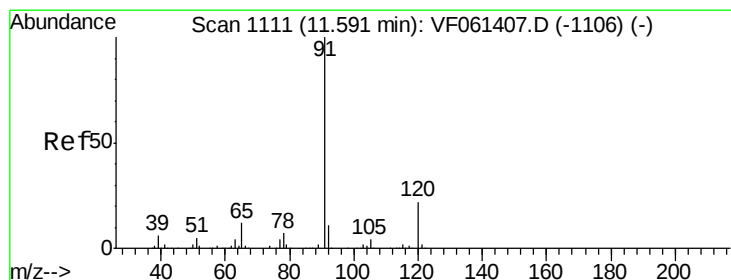
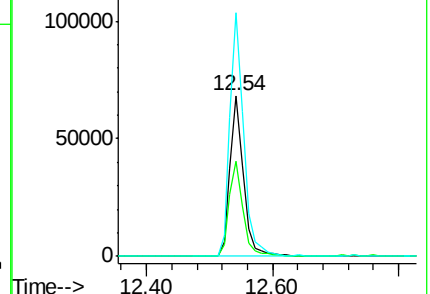
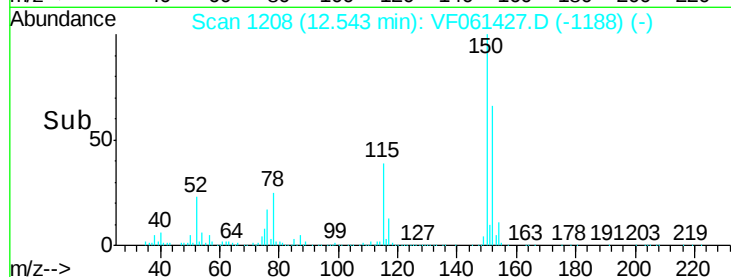
150 151.6 0.0 321.4



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



#78

n-propylbenzene

Concen: 11.734 ug/l

RT: 11.65 min Scan# 1118

Delta R.T. 0.06 min

Lab File: VF061427.D

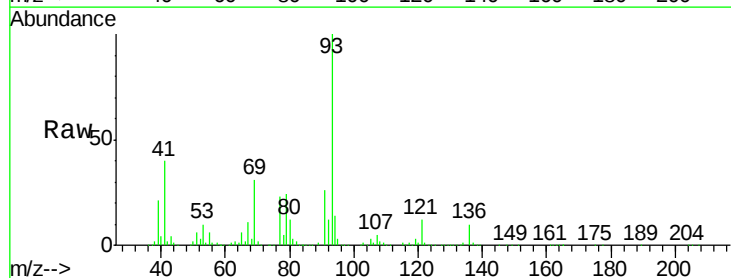
Acq: 16 Jan 2019 22:34

Tgt Ion: 91 Resp: 130365

Ion Ratio Lower Upper

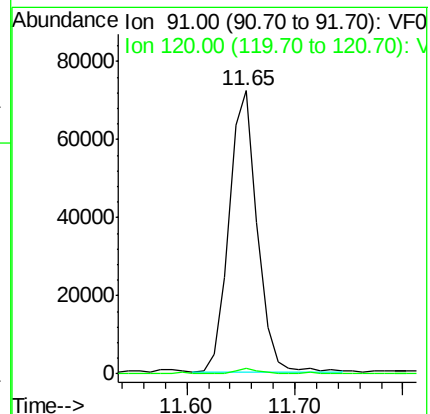
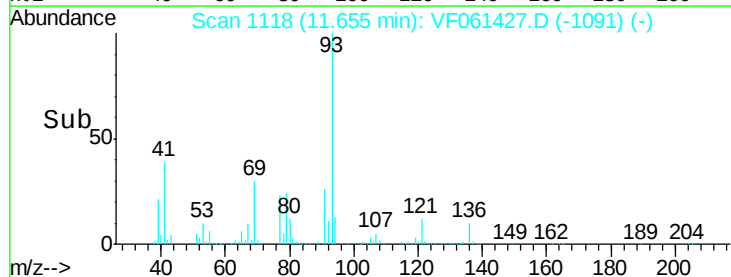
91 100

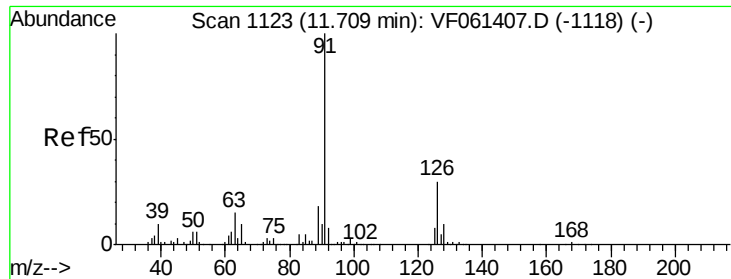
120 2.1 10.9 32.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.328 ug/l

RT: 11.65 min Scan# 1118

Delta R.T. -0.05 min

Lab File: VF061427.D

Acq: 16 Jan 2019 22:34

Instrument :

MSVOA_F

ClientSampleId :

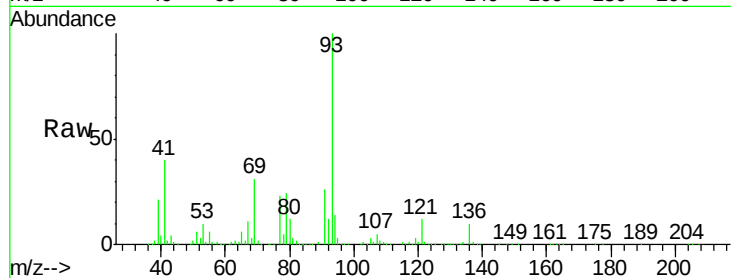
WC-01-011519

Tot Ion: 91 Resp: 130591

Ion Ratio Lower Upper

91 100

126 0.0 15.0 45.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

