

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059212.D
 Acq On : 20 Jun 2018 3:58
 Operator : VA/AP
 Sample : J3249-05
 Misc : 5.77g/5mL/MSVOA-F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 06:54:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	254595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	393128	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	337930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	168830	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	173527	56.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.40%	
35) Dibromofluoromethane	4.29	113	158141	57.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.66%	
50) Toluene-d8	7.70	98	358795	44.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.54%	
62) 4-Bromofluorobenzene	11.51	95	175854	42.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.62%	

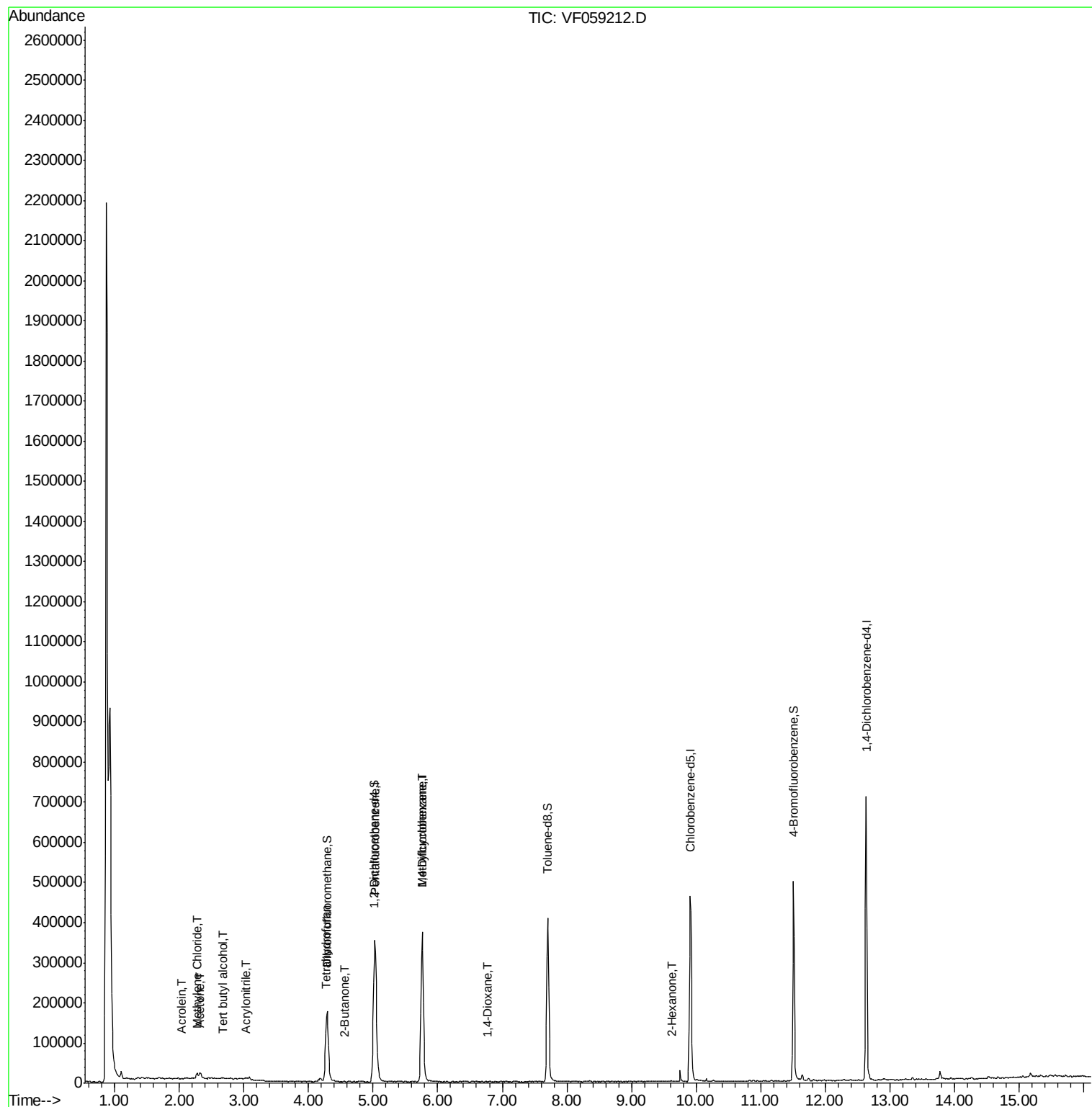
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	993	5.019	ug/l #	66
13) Acrolein	2.04	56	960	5.606	ug/l	88
15) Acrylonitrile	3.03	53	512	1.303	ug/l #	55
16) Acetone	2.33	43	13780	18.692	ug/l #	91
20) Methylene Chloride	2.27	84	10688	6.055	ug/l #	82
25) 2-Butanone	4.58	43	1669	1.460	ug/l #	56
29) Tetrahydrofuran	4.26	42	1082	2.148	ug/l #	57
39) Methylcyclohexane	5.76	83	4308	1.109	ug/l #	33
49) 1,4-Dioxane	6.76	88	63	17.054	ug/l #	16
59) 2-Hexanone	9.63	43	2153	1.259	ug/l	84
89) n-Butylbenzene	12.92	91	897	Below Cal	#	12

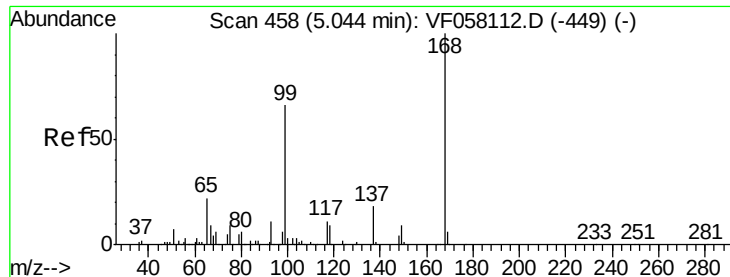
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.77q/5mL/MSVOA-F/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Jun 20 06:54:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059212.D

Acq: 20 Jun 2018 3:58

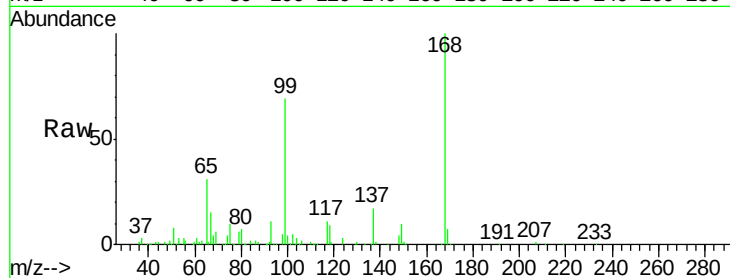
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 254595

Ion Ratio Lower Upper

168 100

99 69.1 52.9 79.3

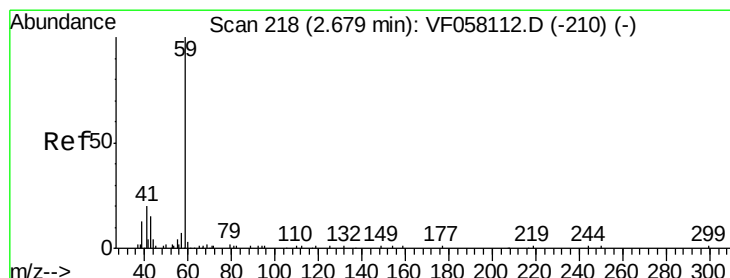
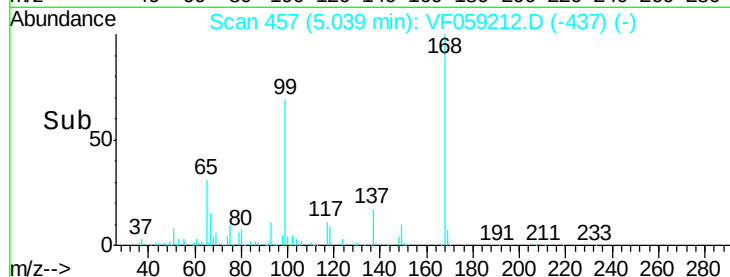


Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.04

Time-->



#11

Tert butyl alcohol

Concen: 5.019 ug/l

RT: 2.68 min Scan# 218

Delta R.T. 0.00 min

Lab File: VF059212.D

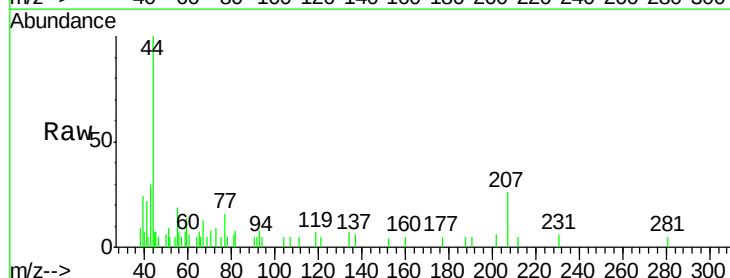
Acq: 20 Jun 2018 3:58

Tgt Ion: 59 Resp: 993

Ion Ratio Lower Upper

59 100

57 23.7 8.7 13.1#

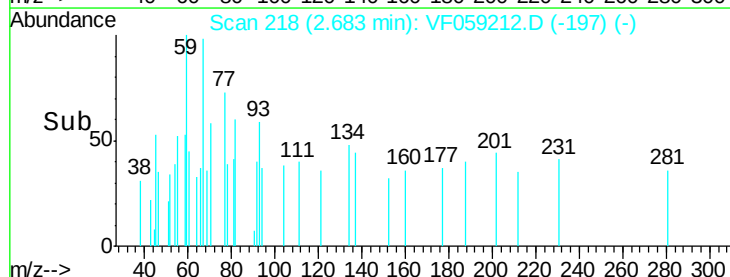


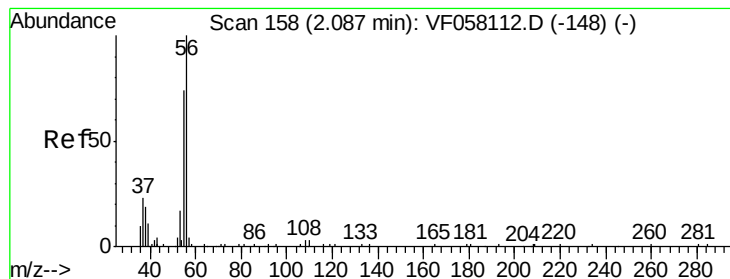
Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.68

Time-->





#13

Acrolein

Concen: 5.606 ug/l

RT: 2.04 min Scan# 153

Delta R.T. -0.04 min

Lab File: VF059212.D

Acq: 20 Jun 2018 3:58

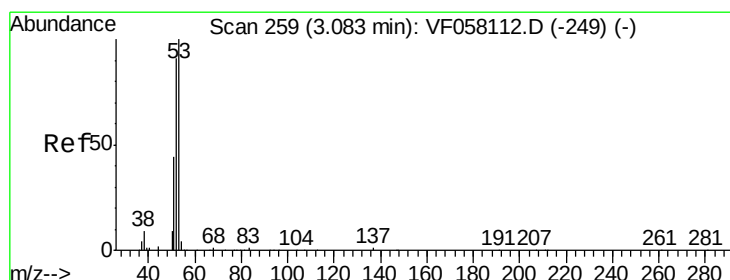
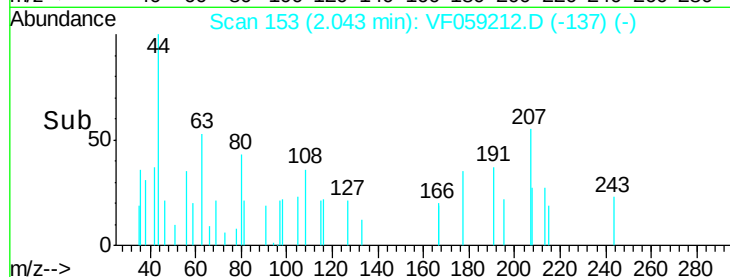
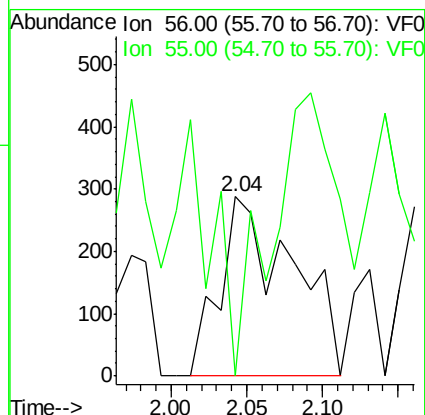
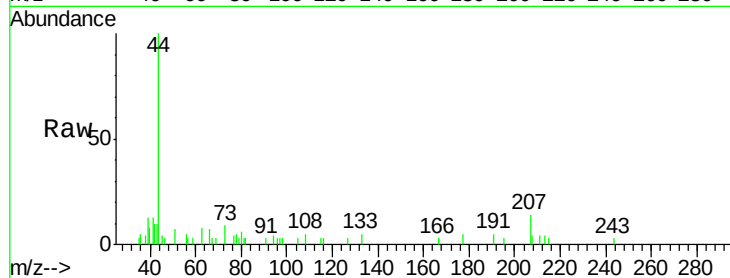
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 960

Ion Ratio Lower Upper

56 100

55 64.9 60.0 90.0



#15

Acrylonitrile

Concen: 1.303 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.05 min

Lab File: VF059212.D

Acq: 20 Jun 2018 3:58

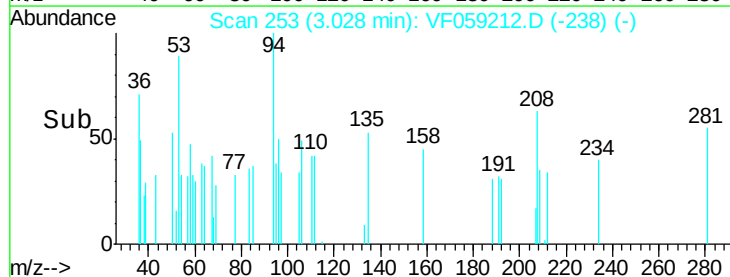
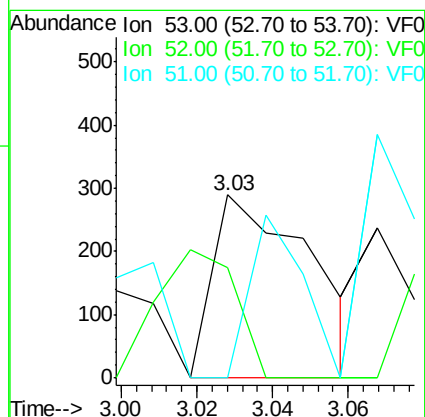
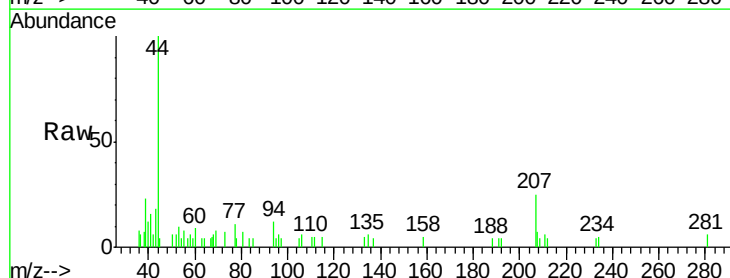
Tgt Ion: 53 Resp: 512

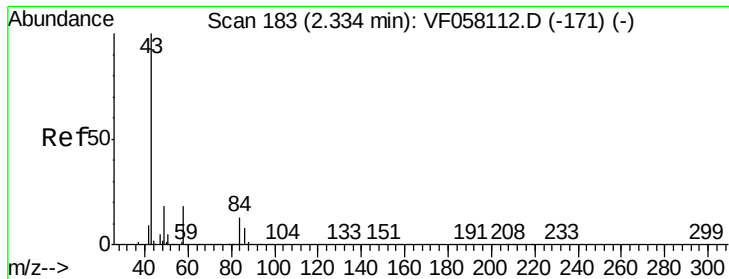
Ion Ratio Lower Upper

53 100

52 60.2 73.2 109.8#

51 0.0 35.6 53.4#

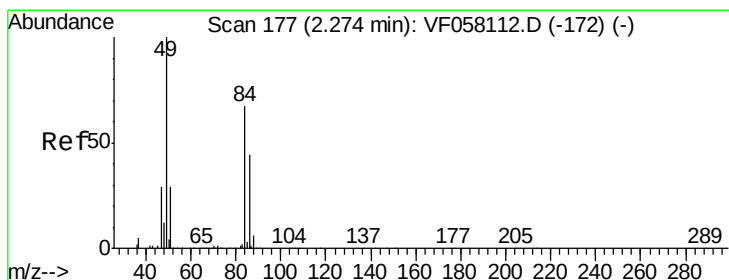
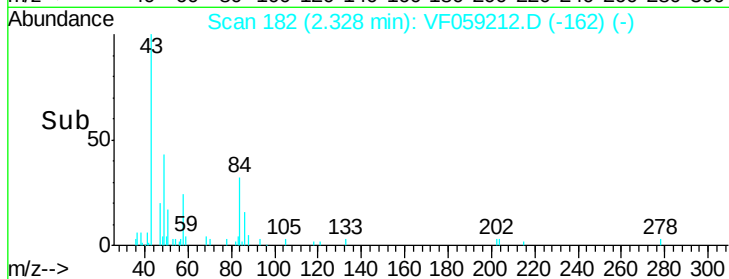
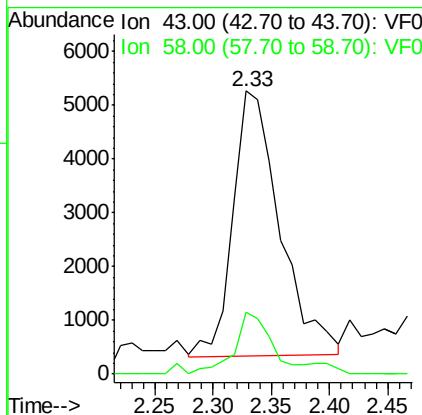
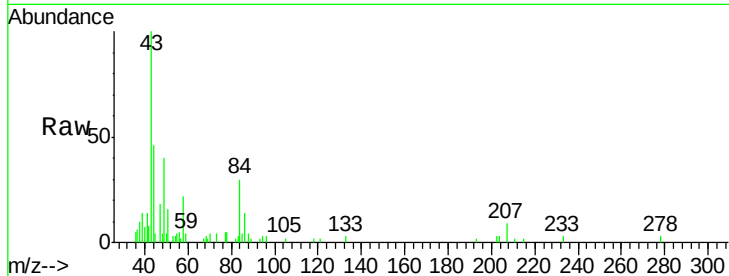




#16
Acetone
Concen: 18.692 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF059212.D
Acq: 20 Jun 2018 3:58

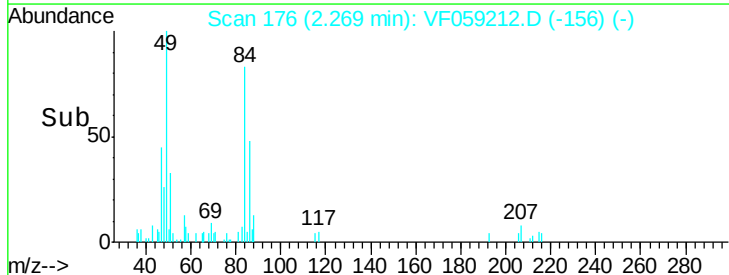
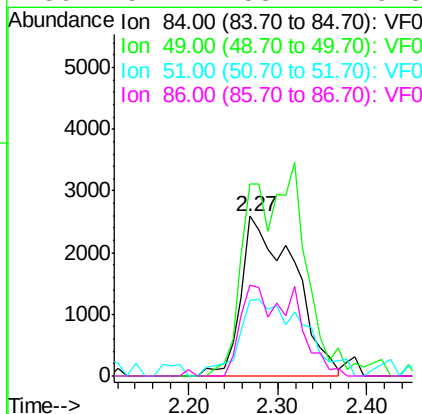
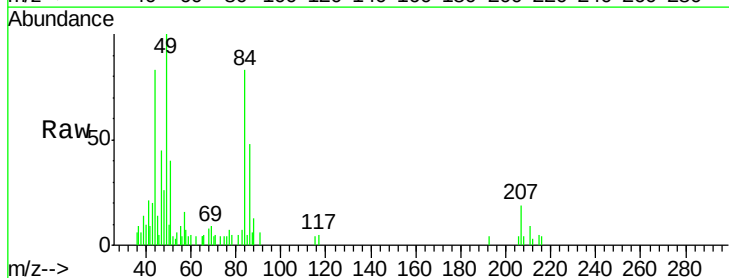
Instrument :
MSVOA_F
ClientSampleId :

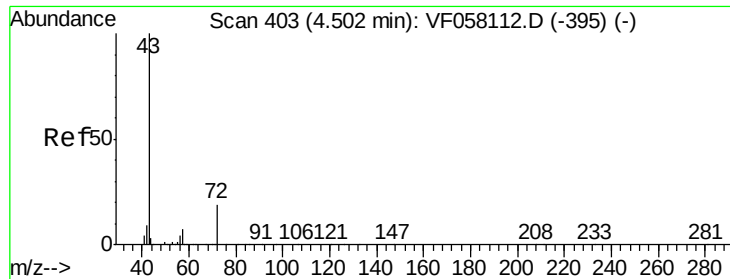
Tot Ion: 43 Resp: 13780
Ion Ratio Lower Upper
43 100
58 21.9 14.4 21.6#



#20
Methylene Chloride
Concen: 6.055 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059212.D
Acq: 20 Jun 2018 3:58

Tgt Ion: 84 Resp: 10688
Ion Ratio Lower Upper
84 100
49 120.1 121.0 181.4#
51 47.6 35.8 53.6
86 57.1 53.2 79.8





#25

2-Butanone

Concen: 1.460 ug/l

RT: 4.58 min Scan# 410

Delta R.T. 0.07 min

Lab File: VF059212.D

Acq: 20 Jun 2018 3:58

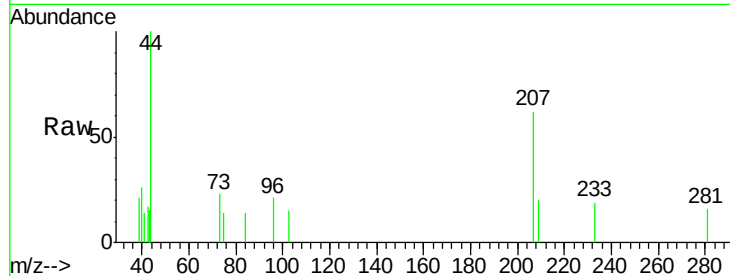
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1669

Ion Ratio Lower Upper

43 100

72 0.0 16.1 24.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.58

300

200

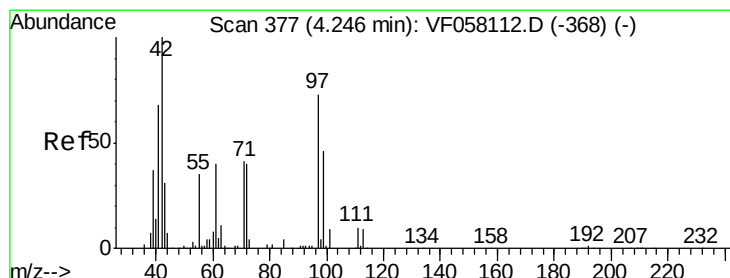
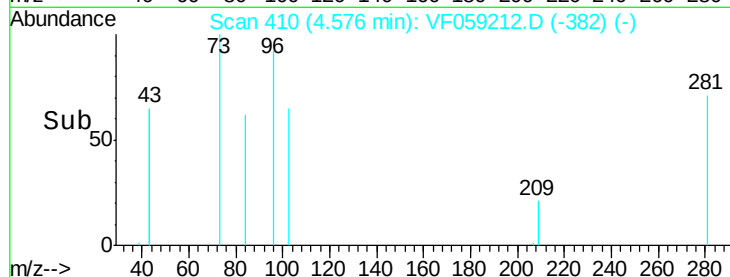
100

0

4.50

4.60

Time-->



#29

Tetrahydrofuran

Concen: 2.148 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF059212.D

Acq: 20 Jun 2018 3:58

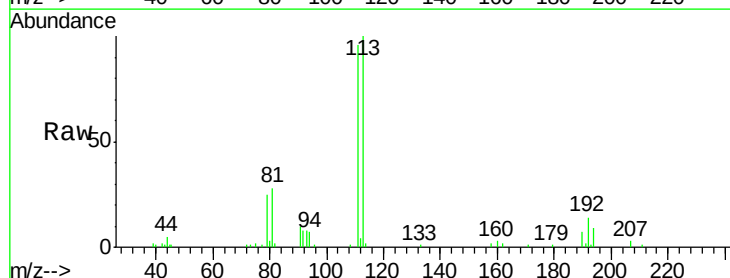
Tgt Ion: 42 Resp: 1082

Ion Ratio Lower Upper

42 100

72 25.4 30.5 45.7#

71 0.0 31.5 47.3#



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

4.26

300

200

100

0

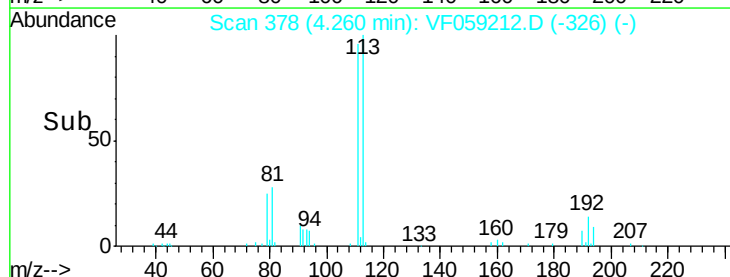
4.20

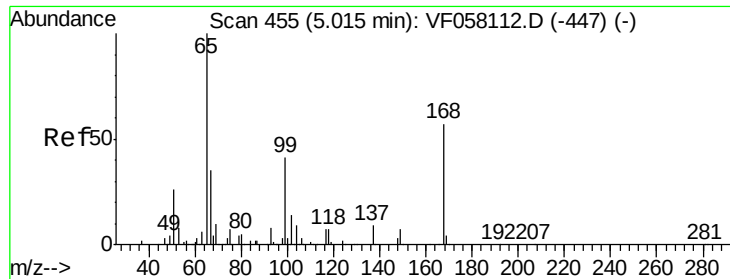
4.25

4.30

4.35

Time-->

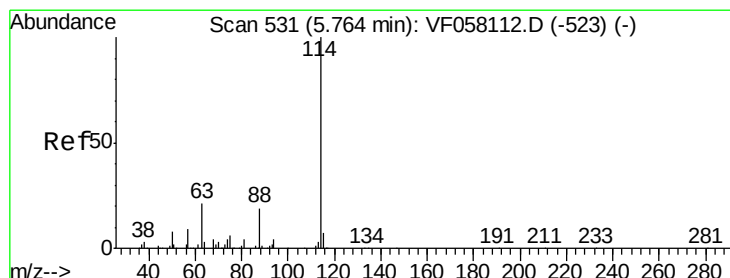
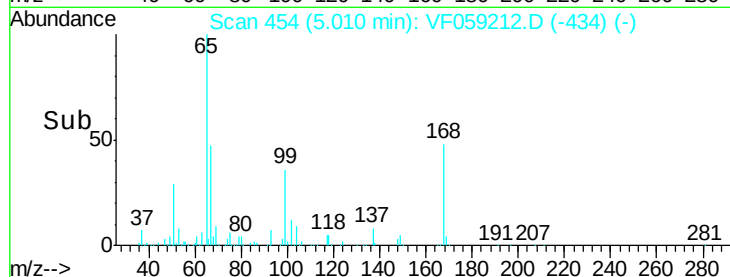
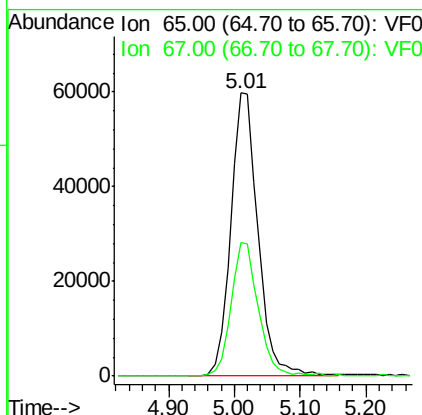
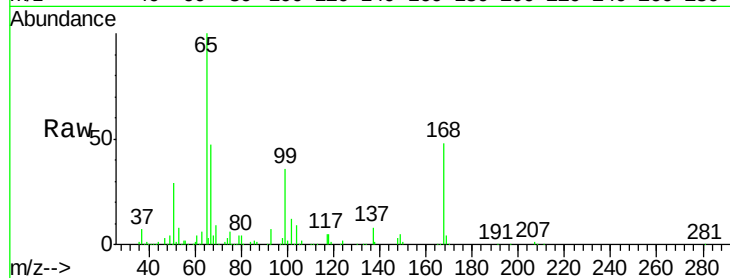




#33
 1,2-Dichloroethane-d4
 Concen: 56.199 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059212.D
 Acq: 20 Jun 2018 3:58

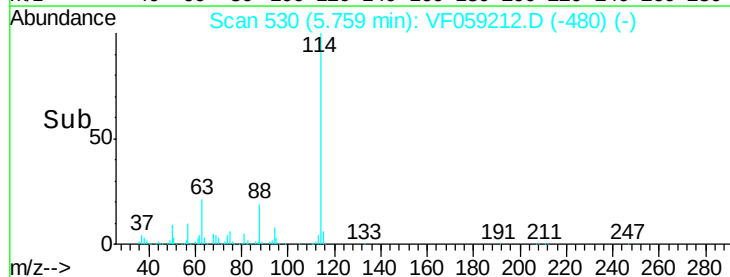
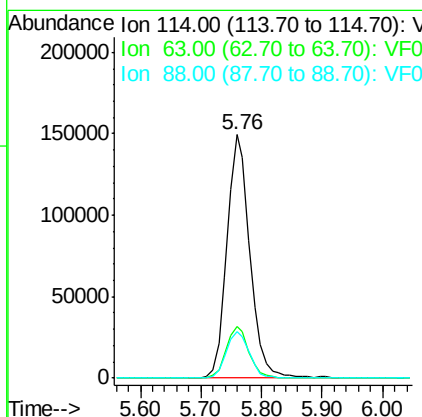
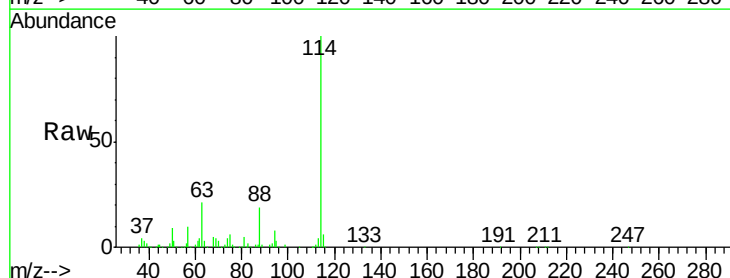
Instrument :
 MSVOA_F
 ClientSampleId :

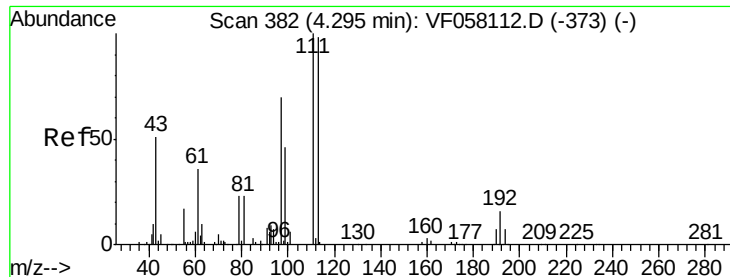
Tot Ion: 65 Resp: 173527
 Ion Ratio Lower Upper
 65 100
 67 47.2 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059212.D
 Acq: 20 Jun 2018 3:58

Tgt Ion: 114 Resp: 393128
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.6
 88 19.1 0.0 38.8





#35

Dibromofluoromethane

Concen: 57.329 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059212.D

Acq: 20 Jun 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :

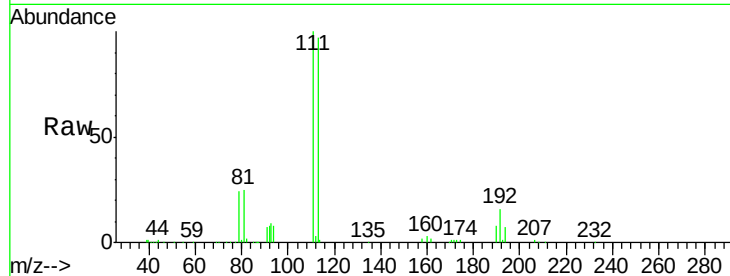
Tot Ion:113 Resp: 158141

Ion Ratio Lower Upper

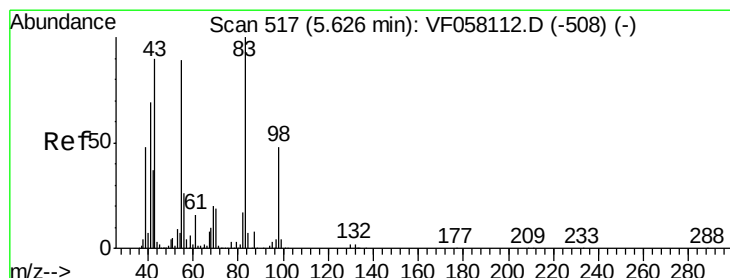
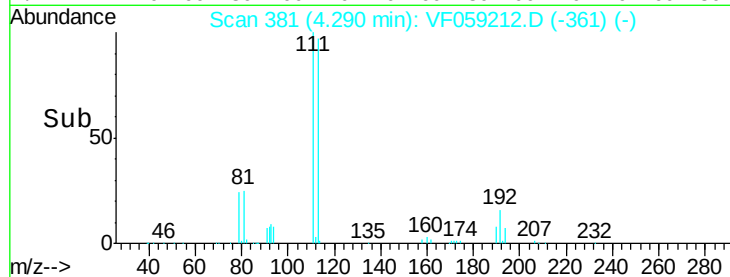
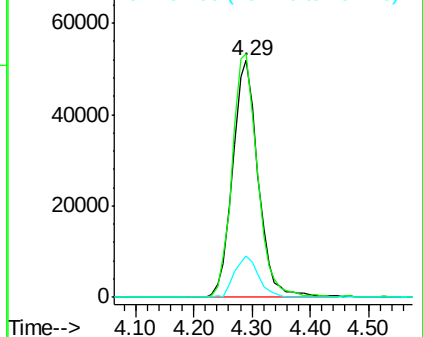
113 100

111 102.7 81.3 121.9

192 17.6 12.7 19.1



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



#39

Methylcyclohexane

Concen: 1.109 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.13 min

Lab File: VF059212.D

Acq: 20 Jun 2018 3:58

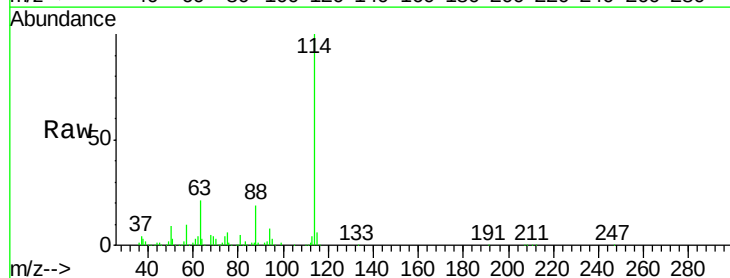
Tgt Ion: 83 Resp: 4308

Ion Ratio Lower Upper

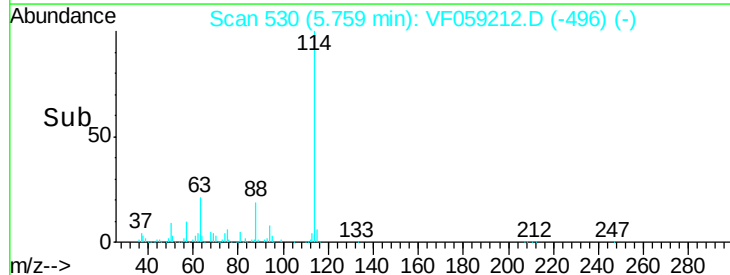
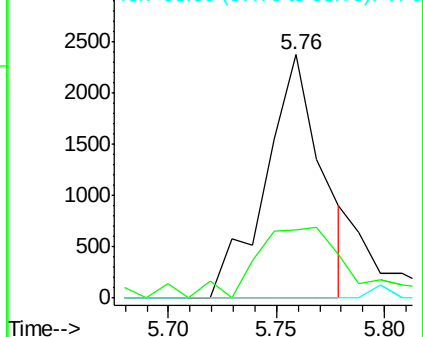
83 100

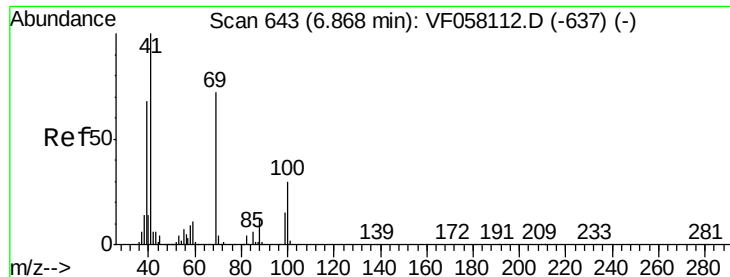
55 28.0 71.0 106.4#

98 0.0 38.1 57.1#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#49

1,4-Dioxane

Concen: 17.054 ug/l

RT: 6.76 min Scan# 632

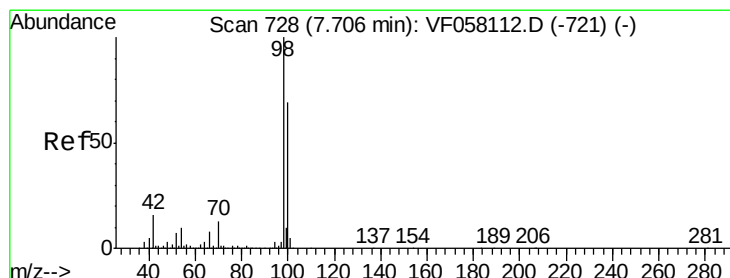
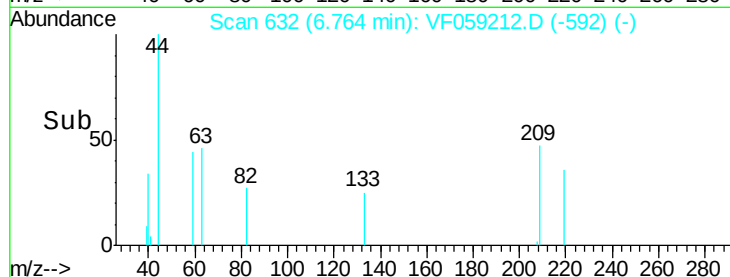
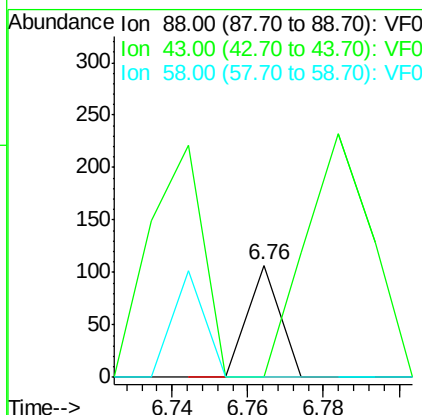
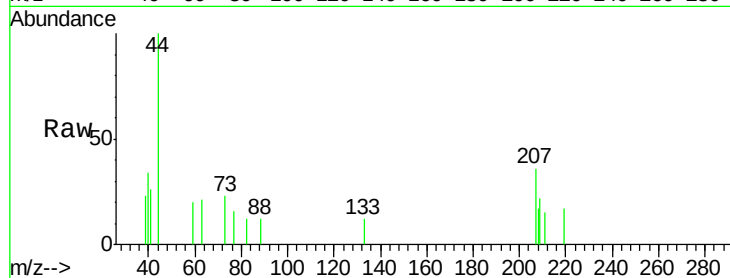
Delta R.T. -0.10 min

Lab File: VF059212.D

Acq: 20 Jun 2018 3:58

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	88	Resp:	63
Ion	Ratio	Lower	Upper
88	100		
43	0.0	47.8	71.8#
58	0.0	59.4	89.0#



#50

Toluene-d8

Concen: 44.275 ug/l

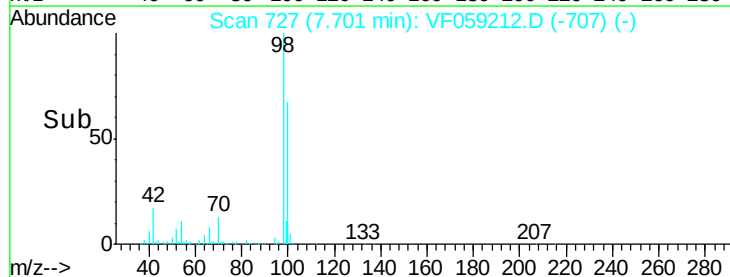
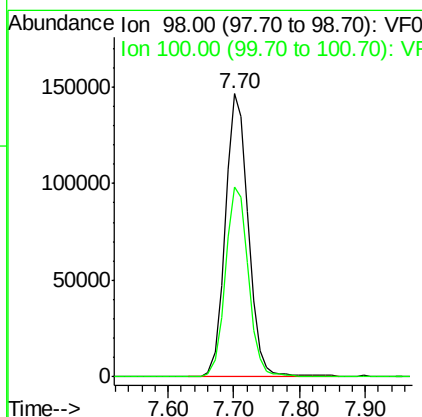
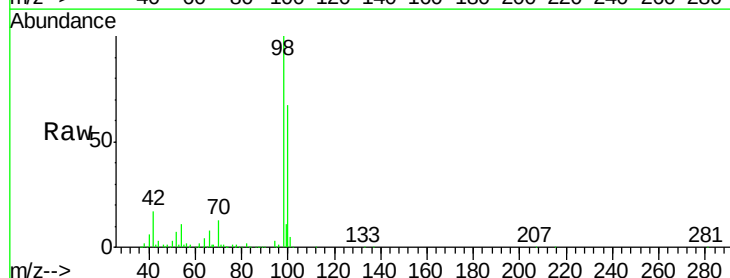
RT: 7.70 min Scan# 727

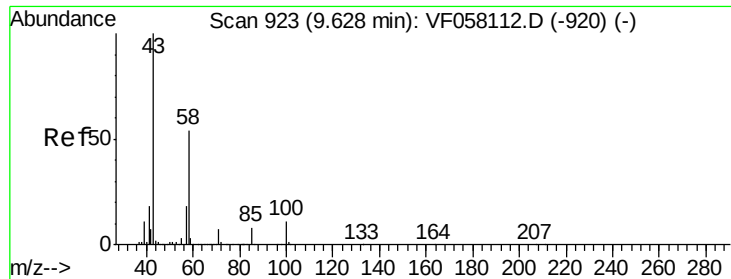
Delta R.T. -0.01 min

Lab File: VF059212.D

Acq: 20 Jun 2018 3:58

Tgt Ion:	98	Resp:	358795
Ion	Ratio	Lower	Upper
98	100		
100	67.1	55.6	83.4

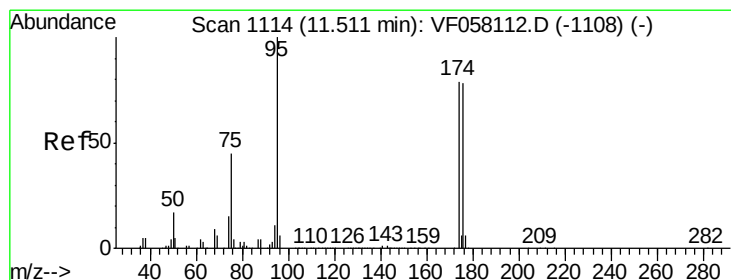
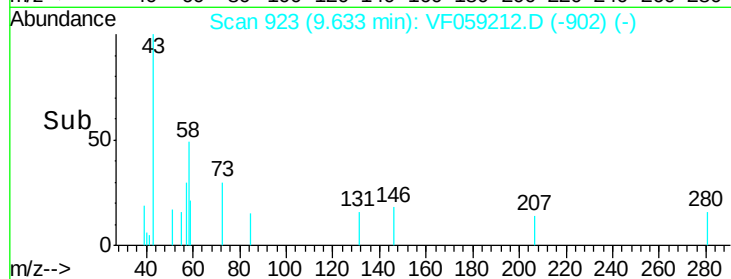
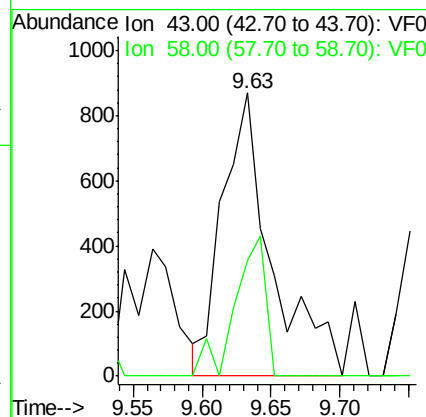
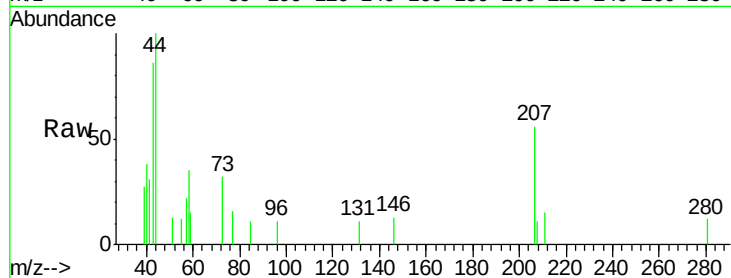




#59
2-Hexanone
Concen: 1.259 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059212.D
Acq: 20 Jun 2018 3:58

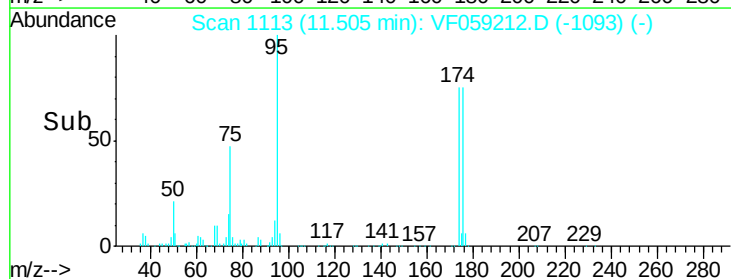
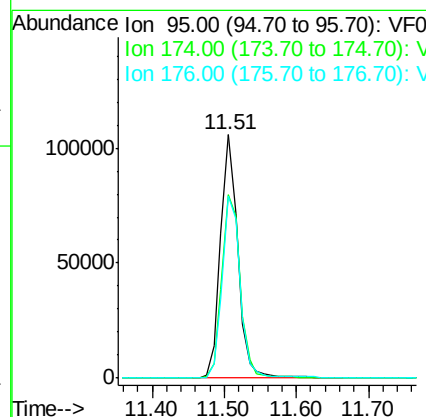
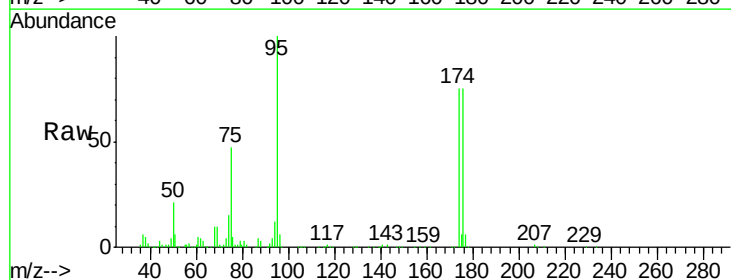
Instrument :
MSVOA_F
ClientSampleId :

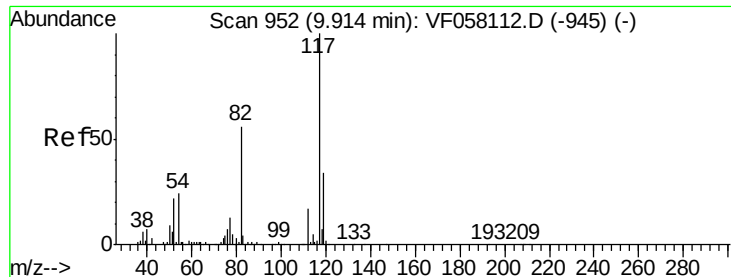
Tot Ion: 43 Resp: 2153
Ion Ratio Lower Upper
43 100
58 41.1 26.3 78.8



#62
4-Bromofluorobenzene
Concen: 42.308 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059212.D
Acq: 20 Jun 2018 3:58

Tgt Ion: 95 Resp: 175854
Ion Ratio Lower Upper
95 100
174 75.3 0.0 157.8
176 74.9 0.0 155.8

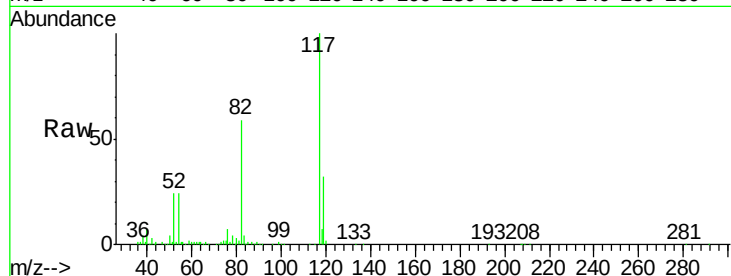




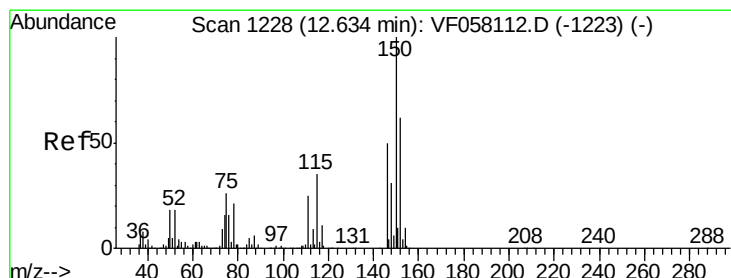
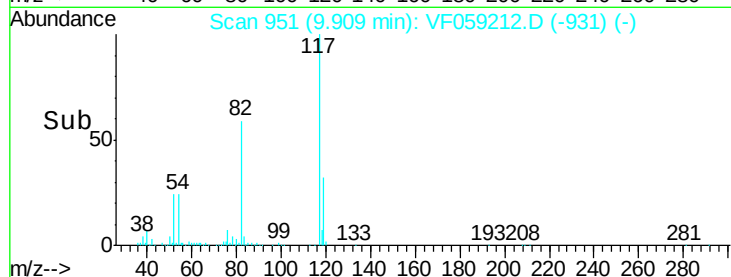
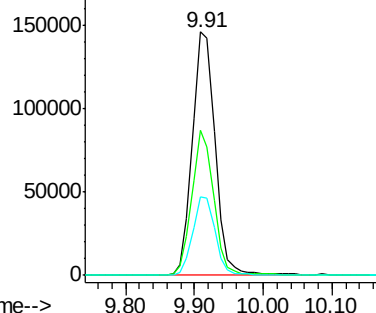
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059212.D
Acq: 20 Jun 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	45.2	67.8
119	32.2	27.5	41.3

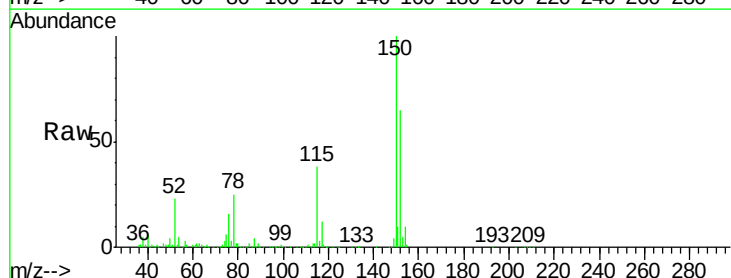


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059212.D
Acq: 20 Jun 2018 3:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.5	85.5
150	154.2	0.0	323.8



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

