

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059201.D
 Acq On : 19 Jun 2018 21:02
 Operator : VA/AP
 Sample : J3566-11RE
 Misc : 6.27g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:05:21 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	5.03	168	225492	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	351351	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	354064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	222541	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	170835	62.47	ug/l	0.00
Spiked Amount			Recovery	=	124.94%	
35) Dibromofluoromethane	4.28	113	144815	58.74	ug/l	-0.01
Spiked Amount			Recovery	=	117.48%	
50) Toluene-d8	7.70	98	352672	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
62) 4-Bromofluorobenzene	11.51	95	202202	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	

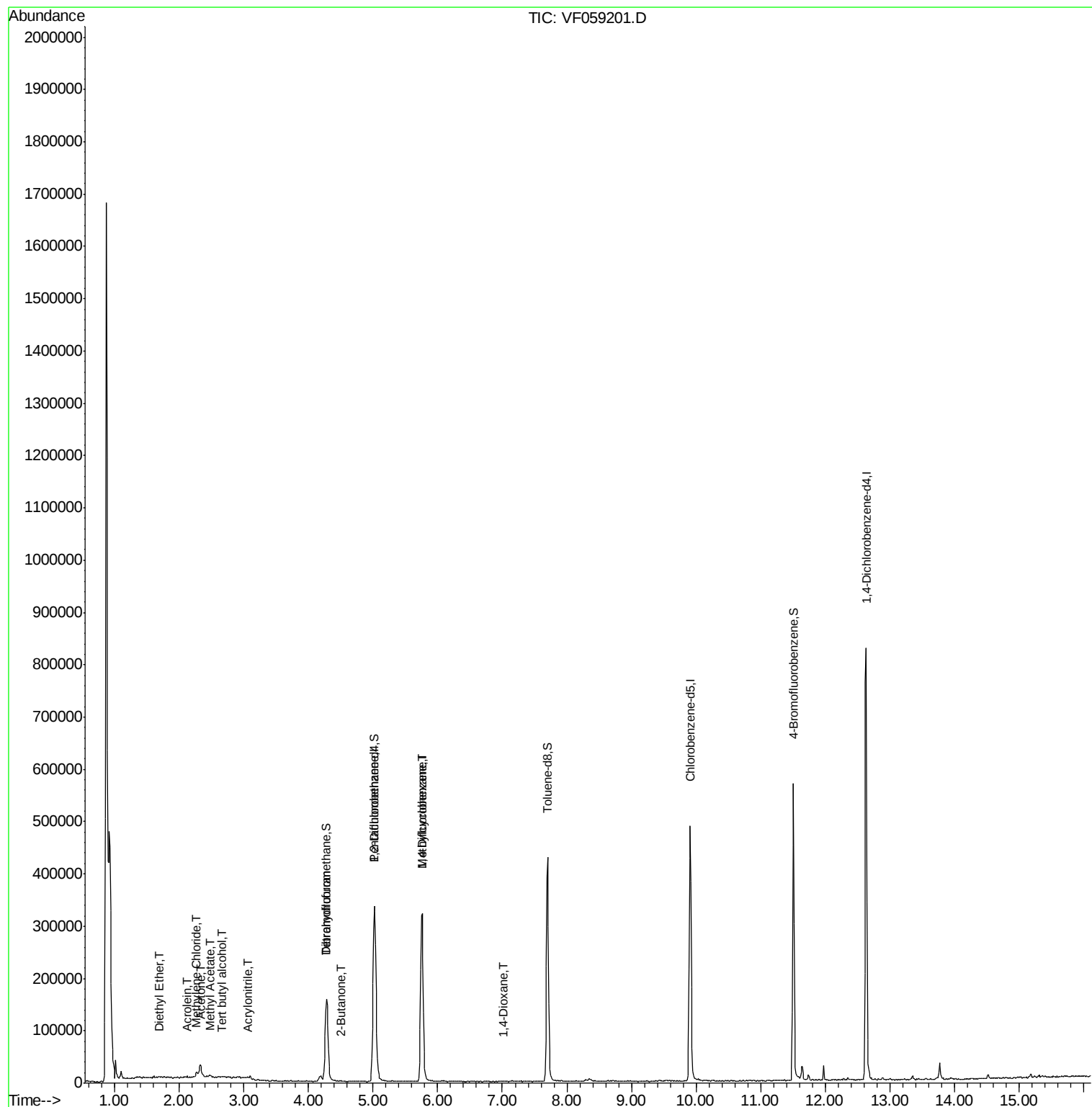
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.69	74	863	1.237	ug/l	73
11) Tert butyl alcohol	2.67	59	1058	6.038	ug/l #	1
13) Acrolein	2.13	56	889	5.862	ug/l #	43
15) Acrylonitrile	3.05	53	593	1.704	ug/l #	13
16) Acetone	2.33	43	30375	46.520	ug/l #	81
18) Methyl Acetate	2.48	43	2005	1.786	ug/l #	88
20) Methylene Chloride	2.27	84	3425	2.191	ug/l #	81
25) 2-Butanone	4.52	43	1959	1.935	ug/l #	56
29) Tetrahydrofuran	4.27	42	840	1.883	ug/l #	51
39) Methylcyclohexane	5.75	83	4276	1.232	ug/l #	45
49) 1,4-Dioxane	7.03	88	62	17.453	ug/l #	16
89) n-Butylbenzene	12.92	91	471	Below Cal	#	61

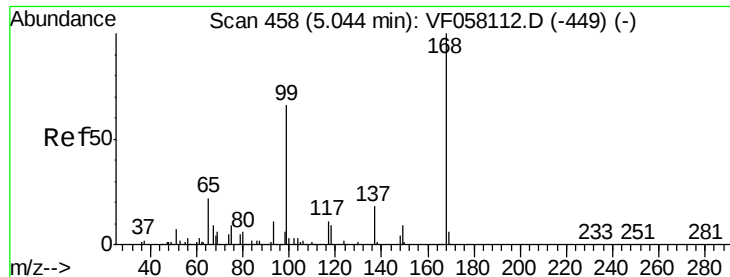
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061918\
Data File : VF059201.D
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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: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059201.D

Acq: 19 Jun 2018 21:02

Instrument :

MSVOA_F

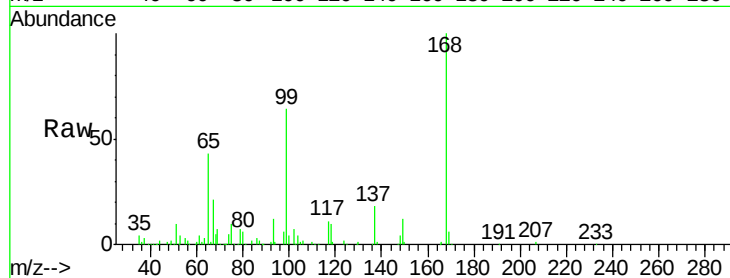
ClientSampleId :

Tot Ion:168 Resp: 225492

Ion Ratio Lower Upper

168 100

99 64.0 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

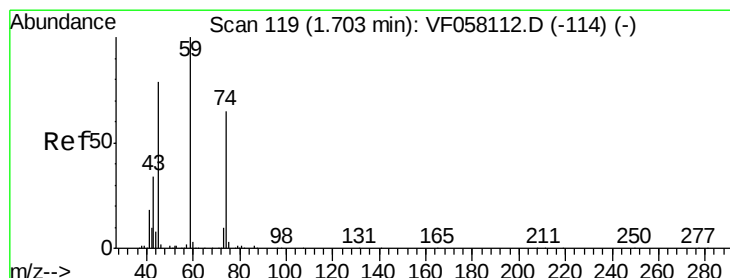
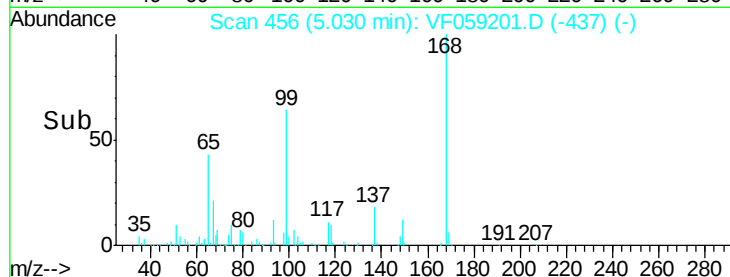
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#8

Diethyl Ether

Concen: 1.237 ug/l

RT: 1.69 min Scan# 117

Delta R.T. -0.01 min

Lab File: VF059201.D

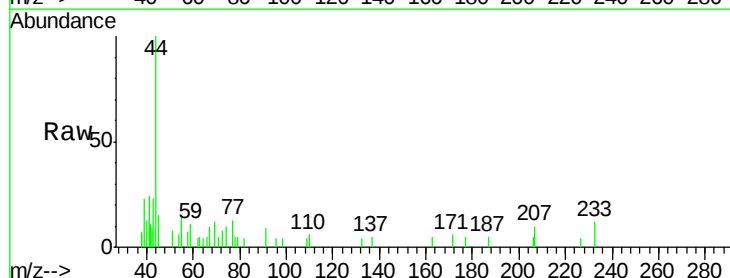
Acq: 19 Jun 2018 21:02

Tgt Ion: 74 Resp: 863

Ion Ratio Lower Upper

74 100

45 153.4 61.5 184.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.69

600

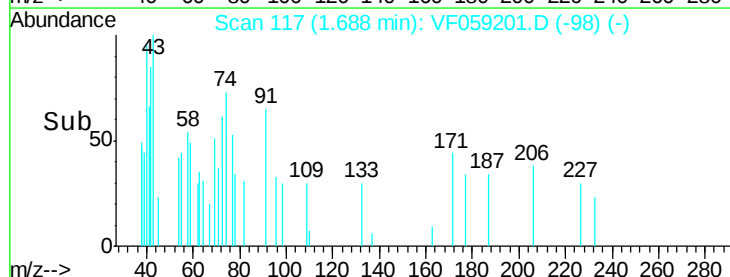
400

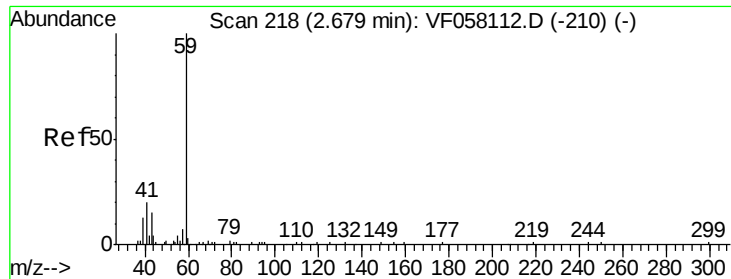
200

0

Time-->

1.60 1.65 1.70 1.75



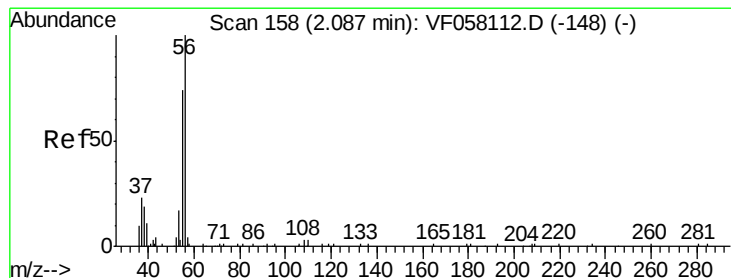
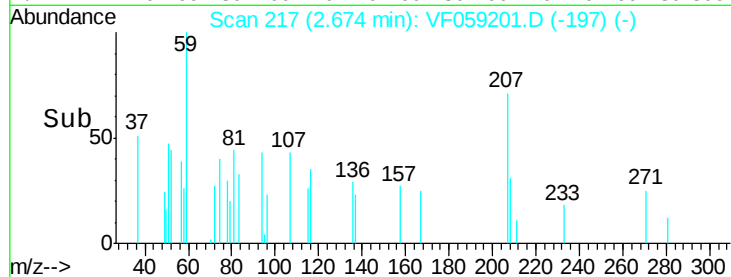
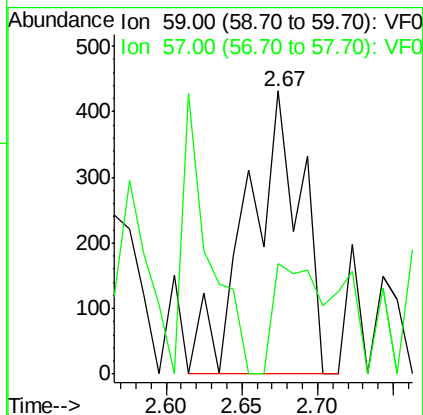
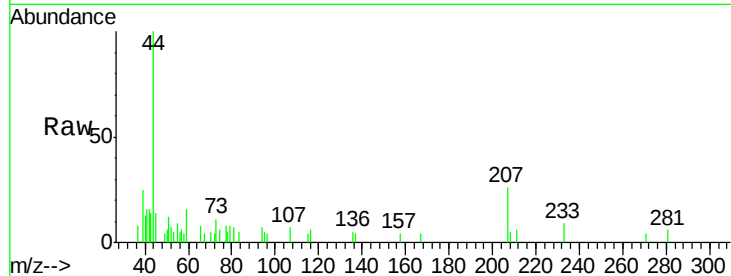


#11

Tert butyl alcohol
Concen: 6.038 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059201.D
Acq: 19 Jun 2018 21:02

Instrument :
MSVOA_F
ClientSampled :

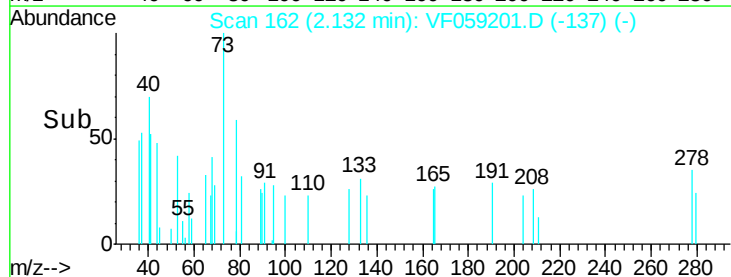
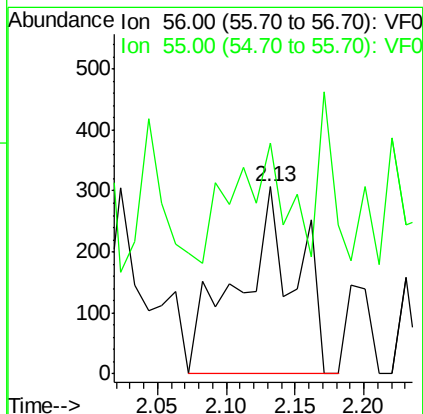
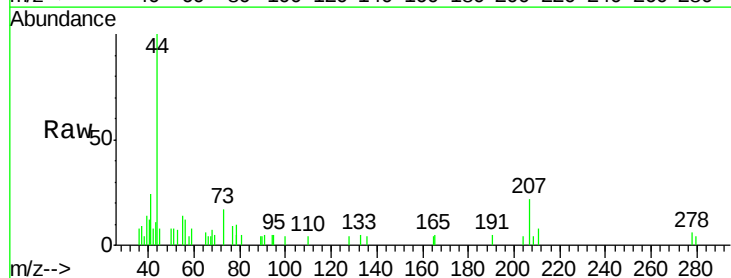
Tot Ion: 59 Resp: 1058
Ion Ratio Lower Upper
59 100
57 65.5 8.7 13.1#

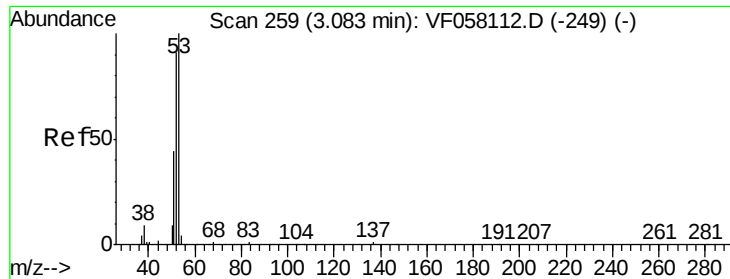


#13

Acrolein
Concen: 5.862 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.04 min
Lab File: VF059201.D
Acq: 19 Jun 2018 21:02

Tgt Ion: 56 Resp: 889
Ion Ratio Lower Upper
56 100
55 123.5 60.0 90.0#





#15

Acrylonitrile

Concen: 1.704 ug/l

RT: 3.05 min Scan# 255

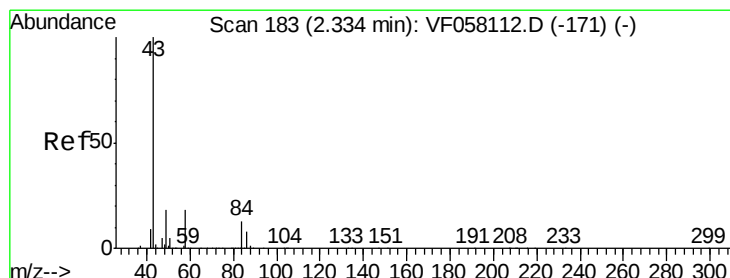
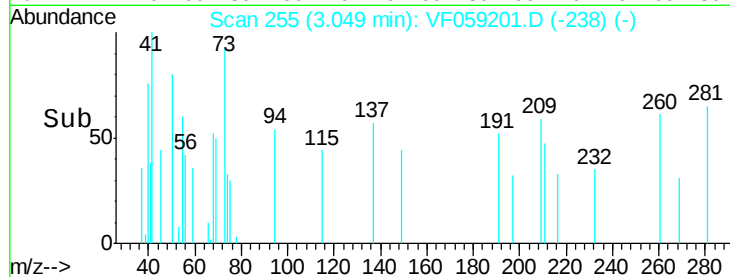
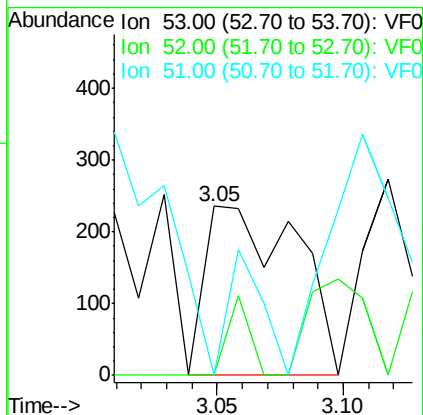
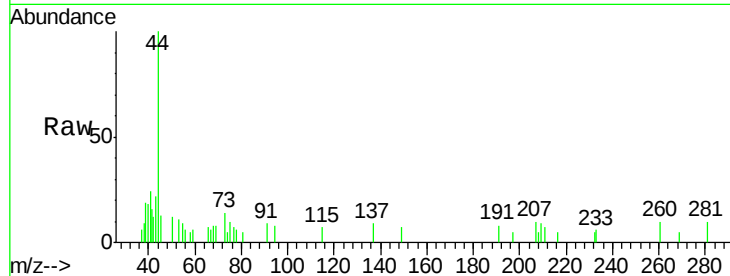
Delta R.T. -0.03 min

Lab File: VF059201.D

Acq: 19 Jun 2018 21:02

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	593
Ion	Ratio	Lower	Upper
53	100		
52	0.0	73.2	109.8#
51	0.0	35.6	53.4#



#16

Acetone

Concen: 46.520 ug/l

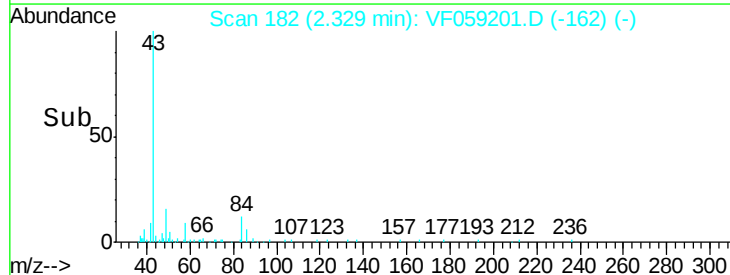
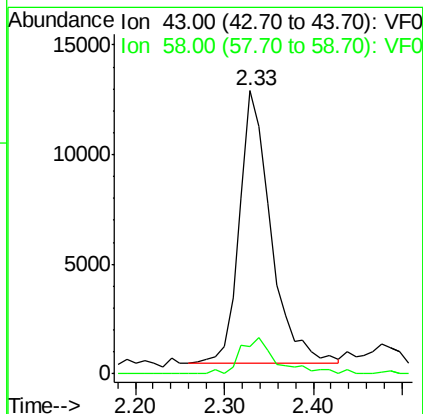
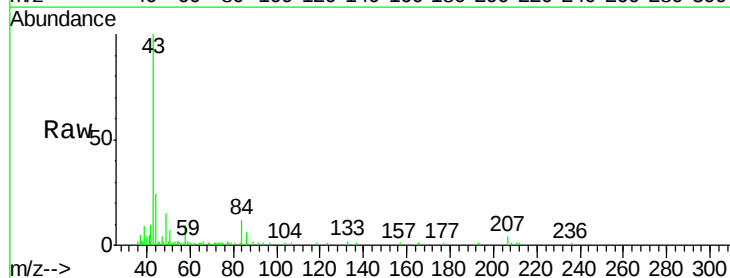
RT: 2.33 min Scan# 182

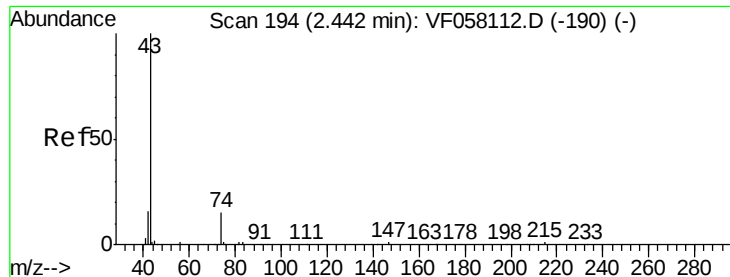
Delta R.T. -0.00 min

Lab File: VF059201.D

Acq: 19 Jun 2018 21:02

Tgt Ion:	43	Resp:	30375
Ion	Ratio	Lower	Upper
43	100		
58	9.5	14.4	21.6#

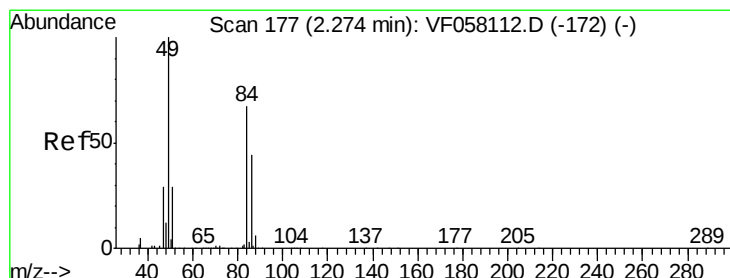
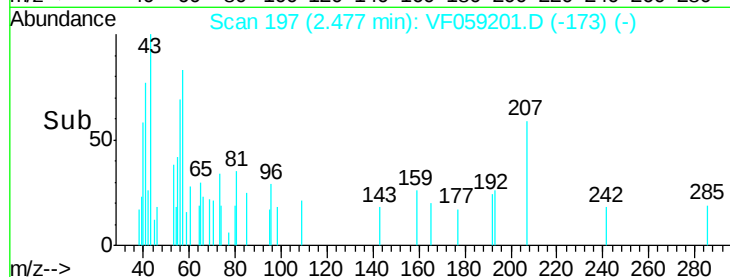
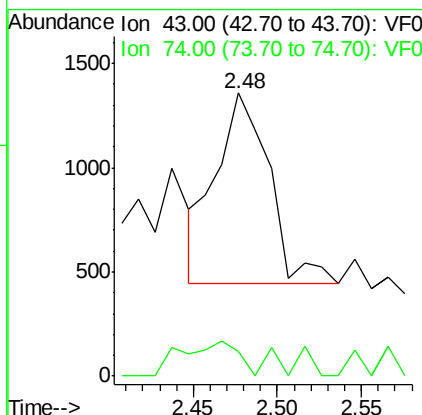
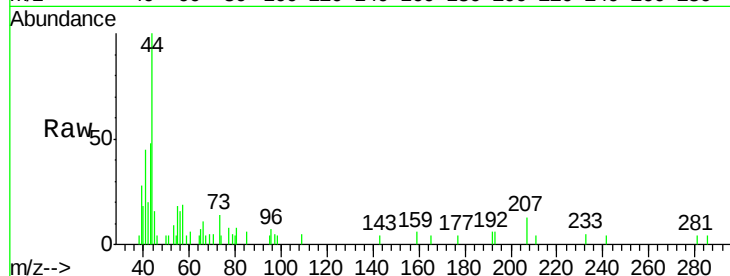




#18
Methyl Acetate
Concen: 1.786 ug/l
RT: 2.48 min Scan# 197
Delta R.T. 0.03 min
Lab File: VF059201.D
Acq: 19 Jun 2018 21:02

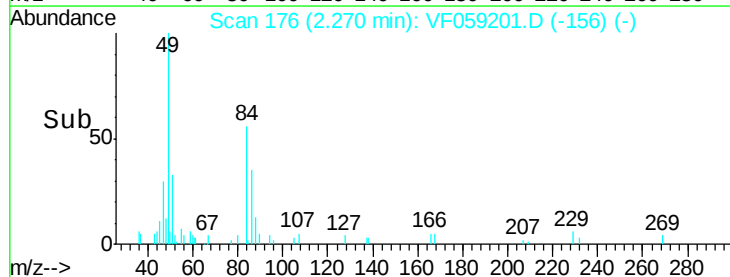
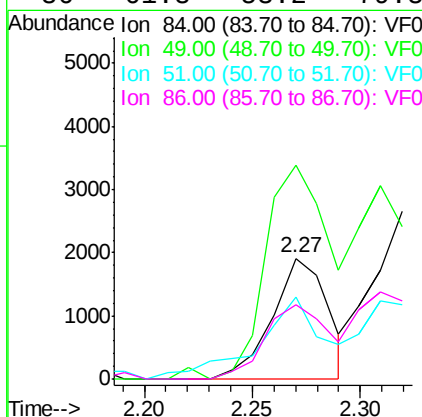
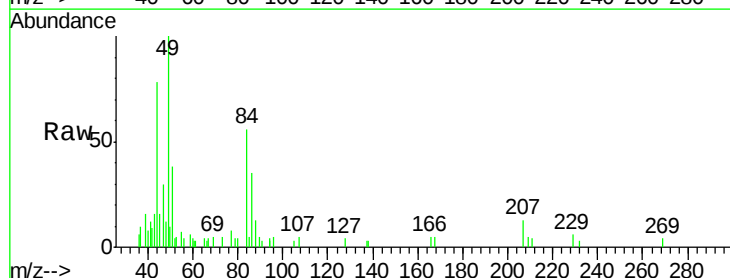
Instrument :
MSVOA_F
ClientSampleId :

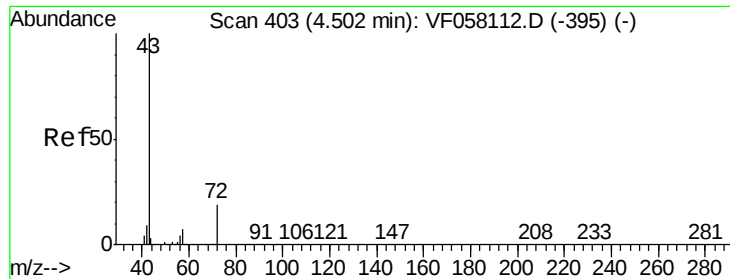
Tot Ion: 43 Resp: 2005
Ion Ratio Lower Upper
43 100
74 8.9 10.9 16.3#



#20
Methylene Chloride
Concen: 2.191 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059201.D
Acq: 19 Jun 2018 21:02

Tgt Ion: 84 Resp: 3425
Ion Ratio Lower Upper
84 100
49 177.3 121.0 181.4
51 67.6 35.8 53.6#
86 61.8 53.2 79.8





#25

2-Butanone

Concen: 1.935 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.02 min

Lab File: VF059201.D

Acq: 19 Jun 2018 21:02

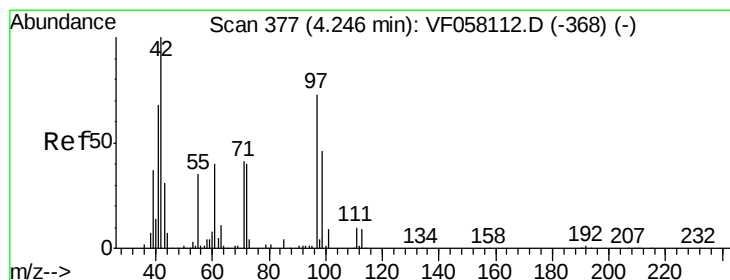
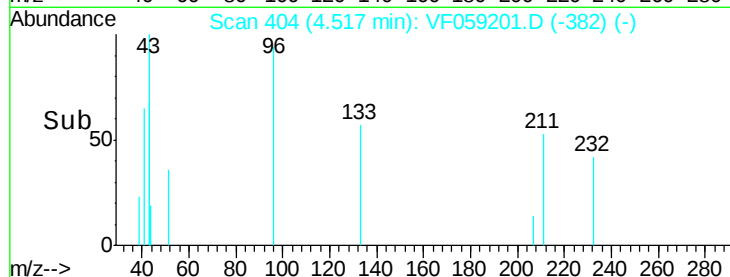
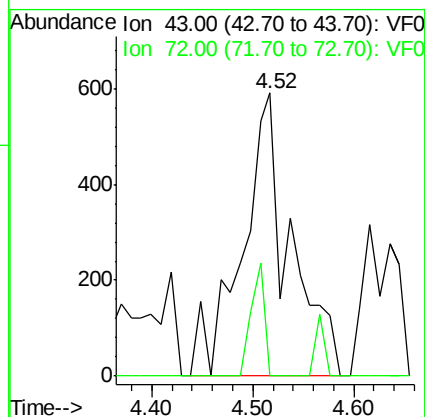
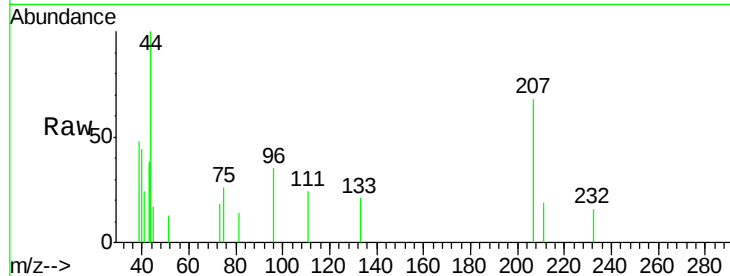
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1959

Ion Ratio Lower Upper

43 100

72 0.0 16.1 24.1#



#29

Tetrahydrofuran

Concen: 1.883 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.02 min

Lab File: VF059201.D

Acq: 19 Jun 2018 21:02

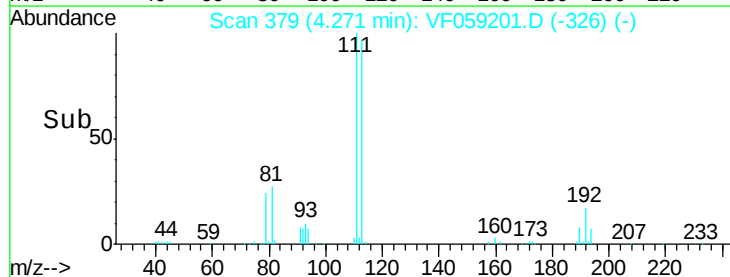
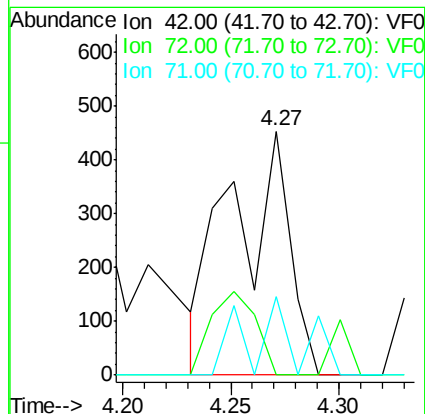
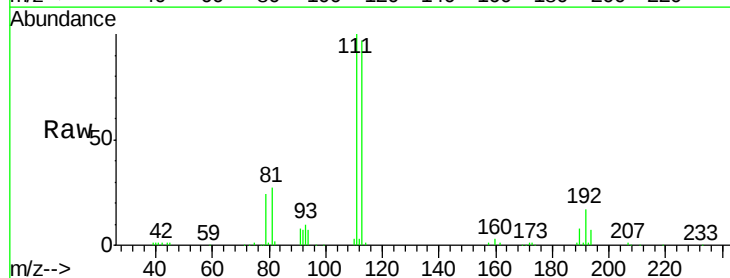
Tgt Ion: 42 Resp: 840

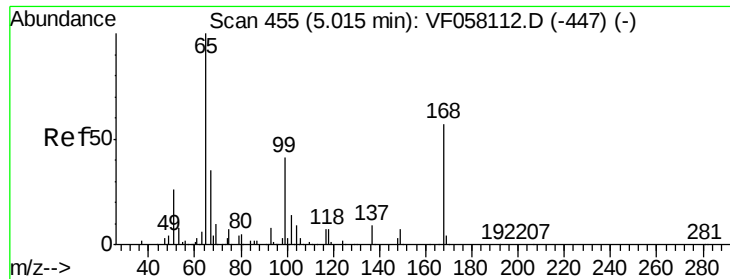
Ion Ratio Lower Upper

42 100

72 0.0 30.5 45.7#

71 18.0 31.5 47.3#

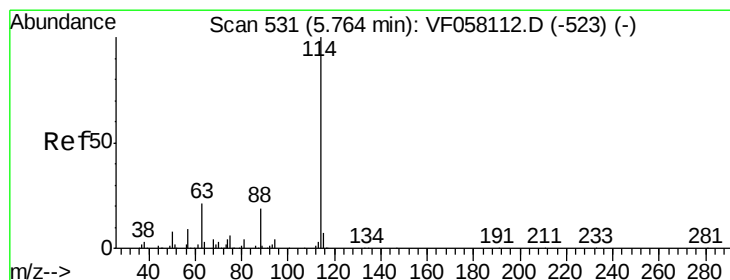
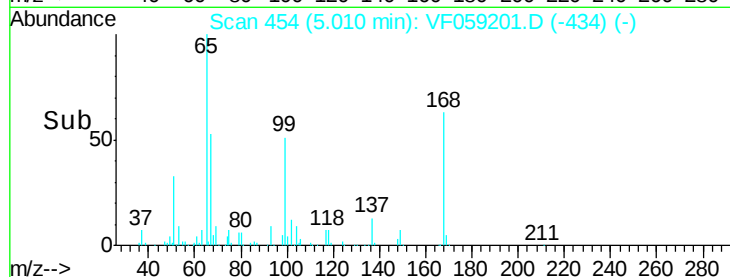
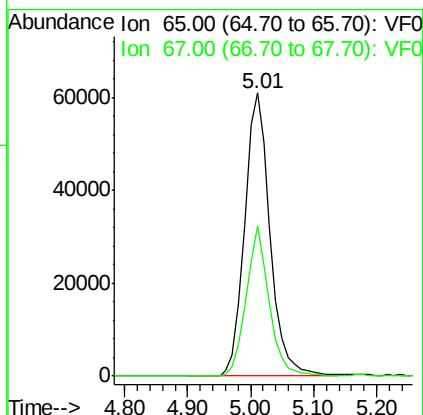
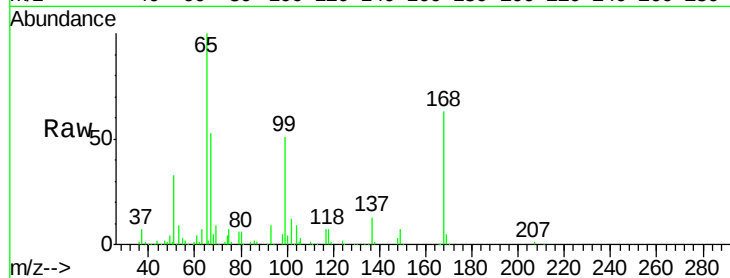




#33
 1,2-Dichloroethane-d4
 Concen: 62.468 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VF059201.D
 Acq: 19 Jun 2018 21:02

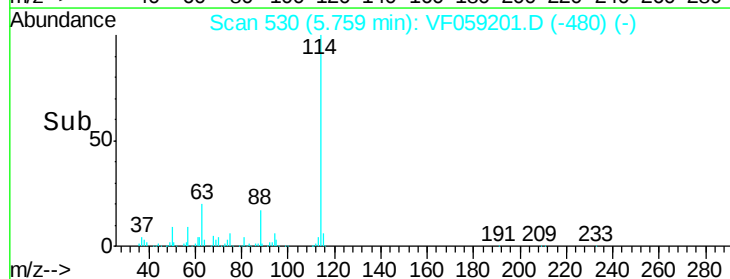
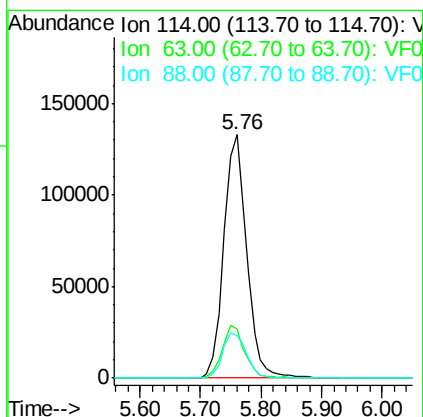
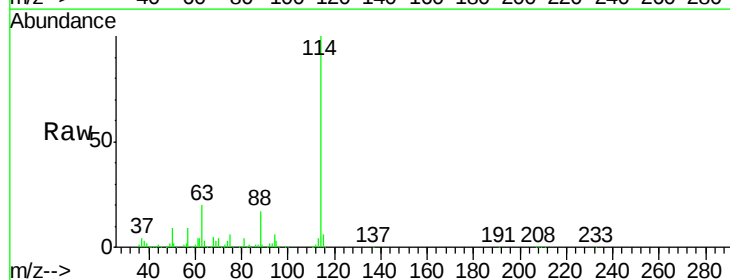
Instrument :
 MSVOA_F
 ClientSampleId :

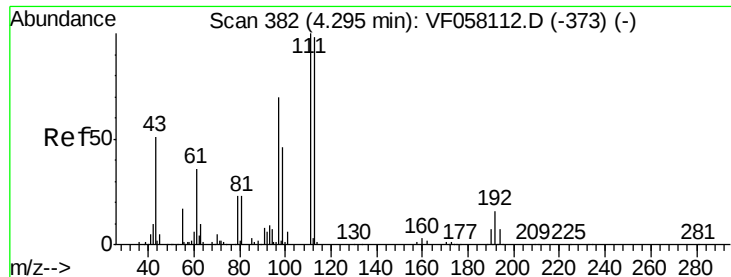
Tot Ion: 65 Resp: 170835
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VF059201.D
 Acq: 19 Jun 2018 21:02

Tgt Ion: 114 Resp: 351351
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.6
 88 17.5 0.0 38.8

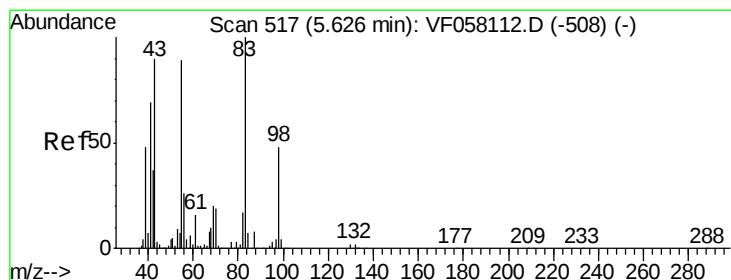
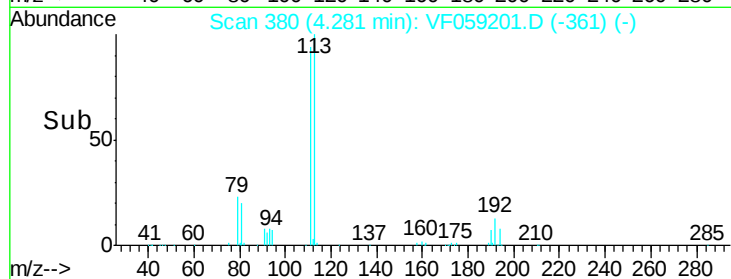
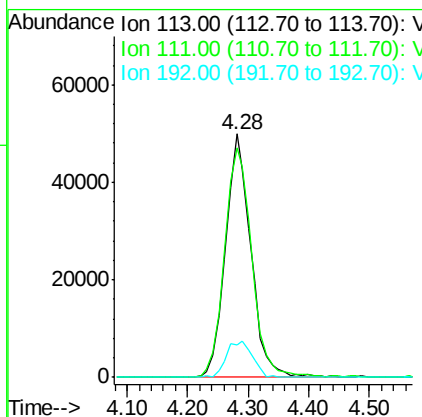
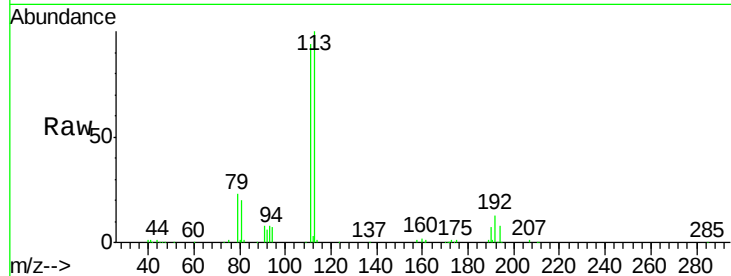




#35
 Dibromofluoromethane
 Concen: 58.740 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VF059201.D
 Acq: 19 Jun 2018 21:02

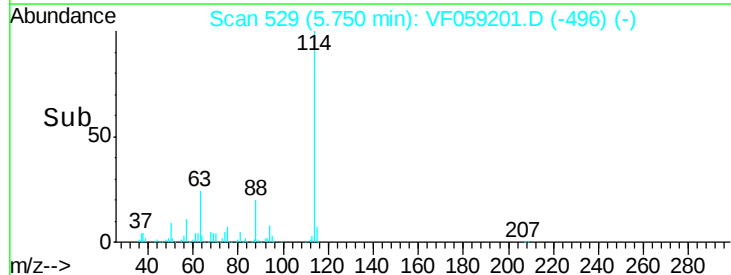
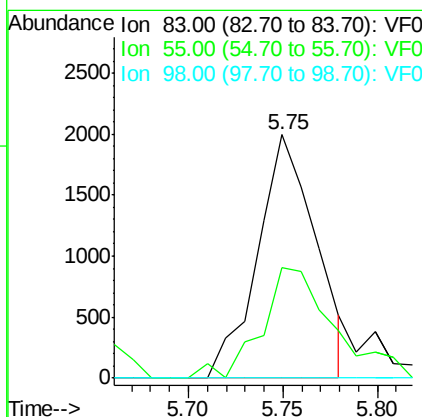
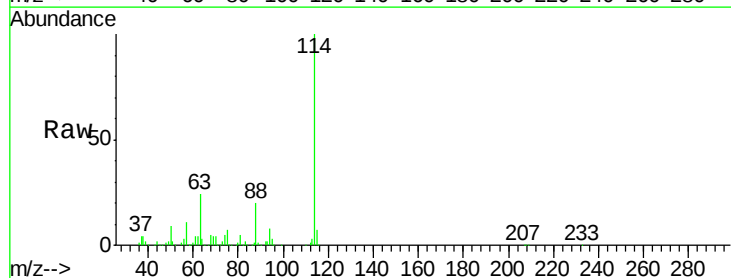
Instrument :
 MSVOA_F
 ClientSampleId :

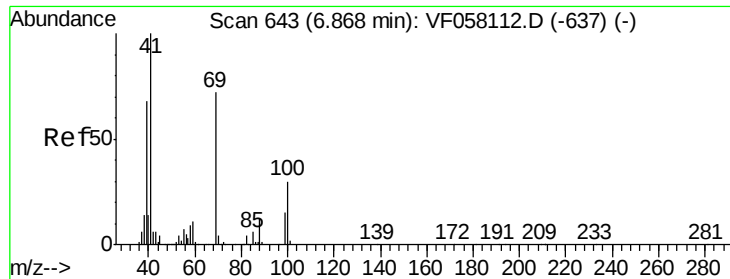
Tot Ion	Ratio	Lower	Upper
113	100		
111	94.1	81.3	121.9
192	13.2	12.7	19.1



#39
 Methylcyclohexane
 Concen: 1.232 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. 0.12 min
 Lab File: VF059201.D
 Acq: 19 Jun 2018 21:02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	45.6	71.0	106.4#
98	0.0	38.1	57.1#

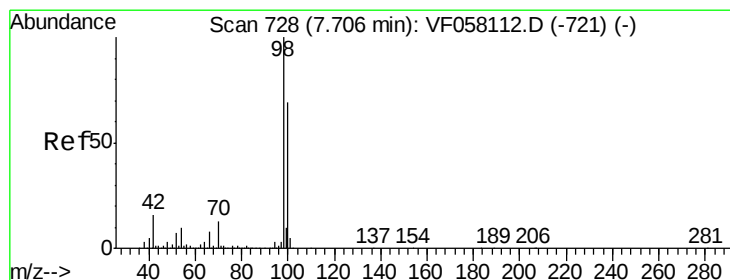
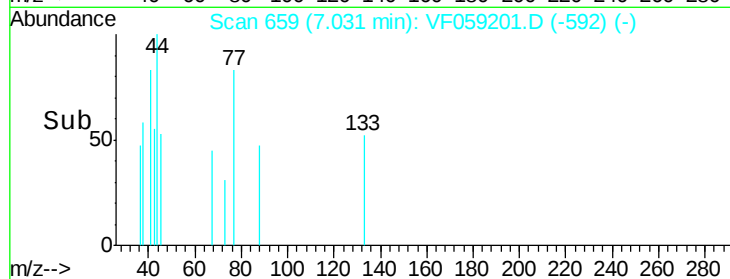
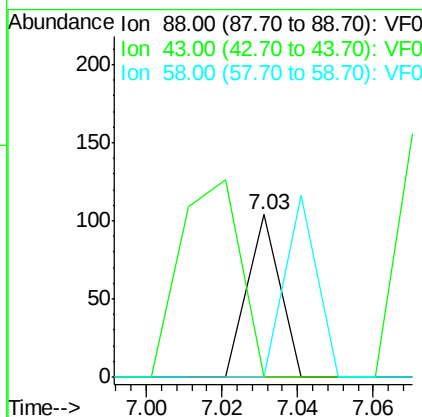
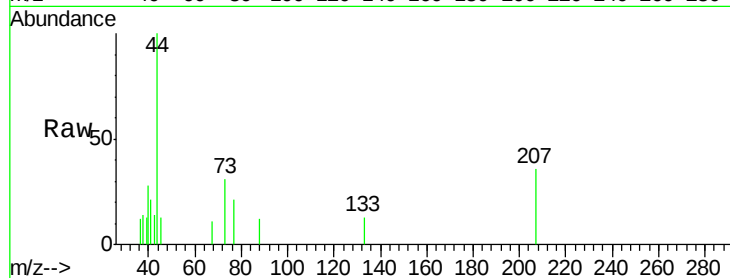




#49
1,4-Dioxane
Concen: 17.453 ug/l
RT: 7.03 min Scan# 659
Delta R.T. 0.16 min
Lab File: VF059201.D
Acq: 19 Jun 2018 21:02

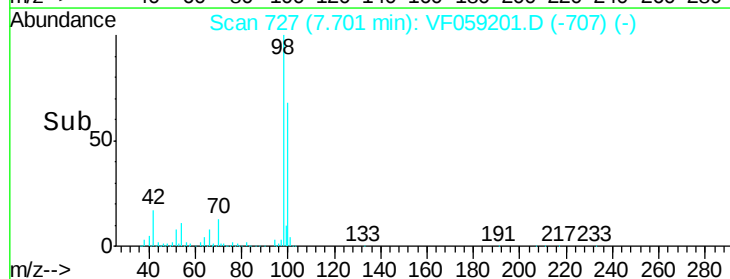
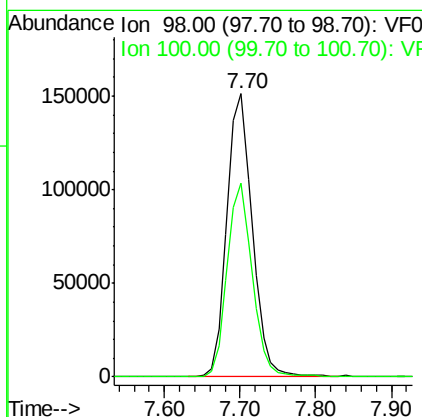
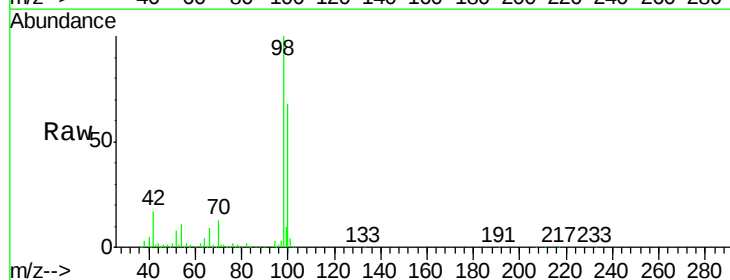
Instrument :
MSVOA_F
ClientSampleId :

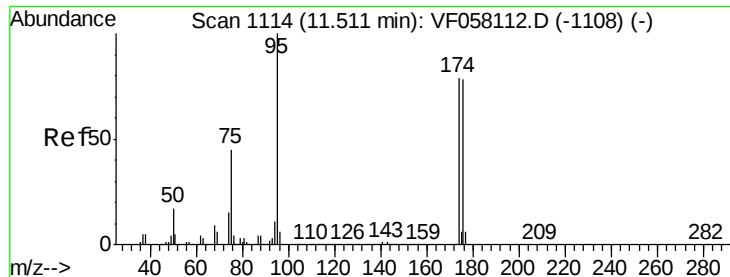
Tot Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 47.8 71.8#
58 0.0 59.4 89.0#



#50
Toluene-d8
Concen: 48.694 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059201.D
Acq: 19 Jun 2018 21:02

Tgt Ion: 98 Resp: 352672
Ion Ratio Lower Upper
98 100
100 68.3 55.6 83.4





#62

4-Bromofluorobenzene

Concen: 54.432 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059201.D

Acq: 19 Jun 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

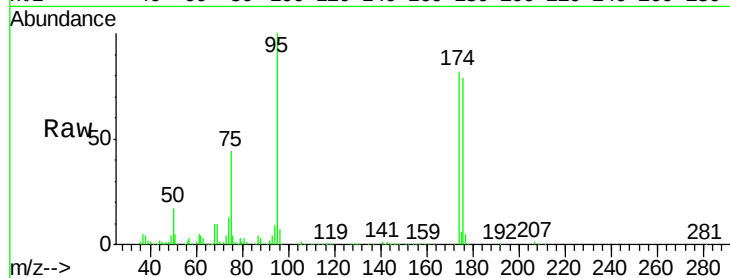
Tot Ion: 95 Resp: 202202

Ion Ratio Lower Upper

95 100

174 82.1 0.0 157.8

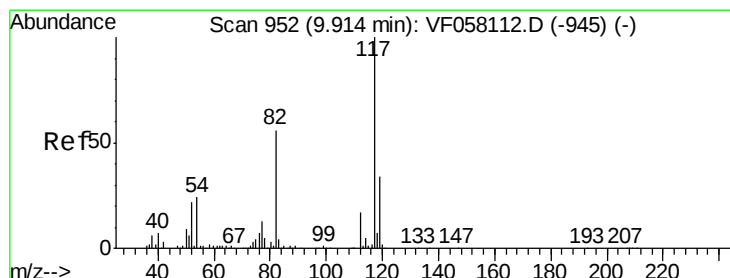
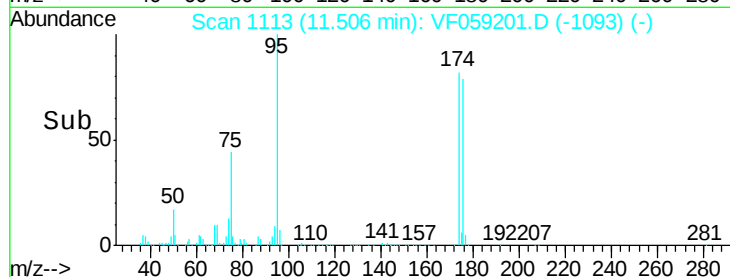
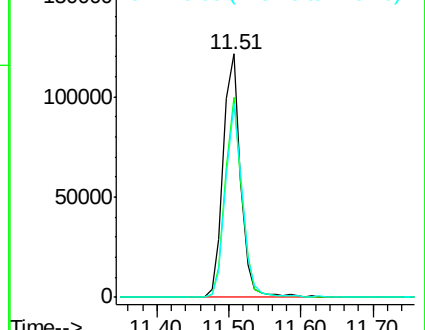
176 79.4 0.0 155.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF059201.D

Acq: 19 Jun 2018 21:02

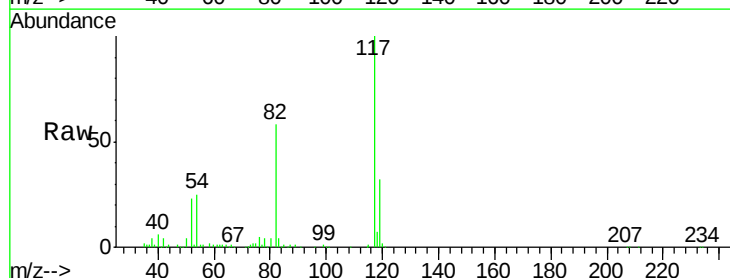
Tgt Ion: 117 Resp: 354064

Ion Ratio Lower Upper

117 100

82 57.9 45.2 67.8

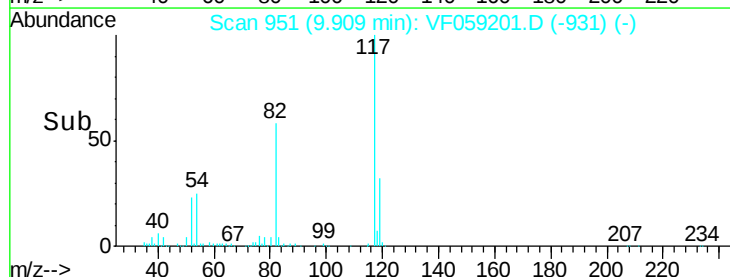
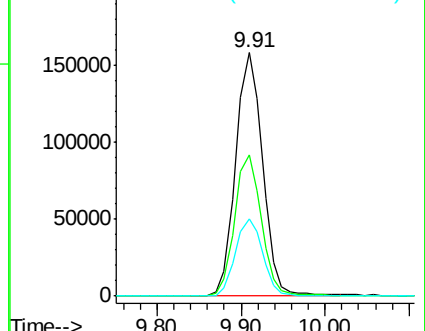
119 31.6 27.5 41.3

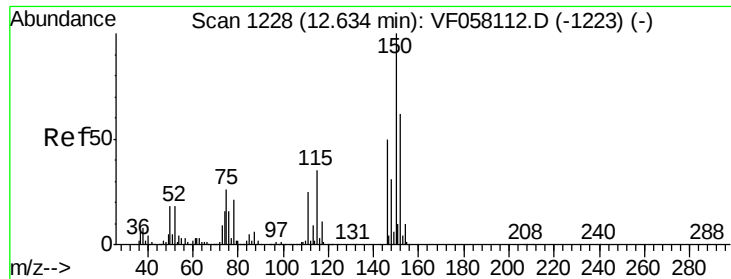


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



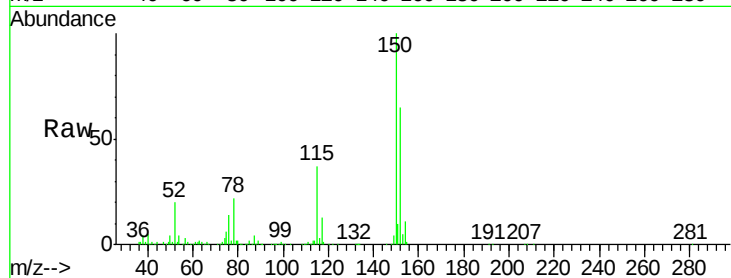


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF059201.D
 Acq: 19 Jun 2018 21:02

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.5	85.5
150	153.8	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

