

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059214.D
 Acq On : 20 Jun 2018 4:54
 Operator : VA/AP
 Sample : J3249-09
 Misc : 7.97g/5mL/MSVOA-F/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 06:55:13 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	260057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	416333	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	366819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	199422	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	183472	58.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.34%	
35) Dibromofluoromethane	4.29	113	167531	57.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.70%	
50) Toluene-d8	7.71	98	348492	40.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.22%	
62) 4-Bromofluorobenzene	11.50	95	199250	45.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.54%	

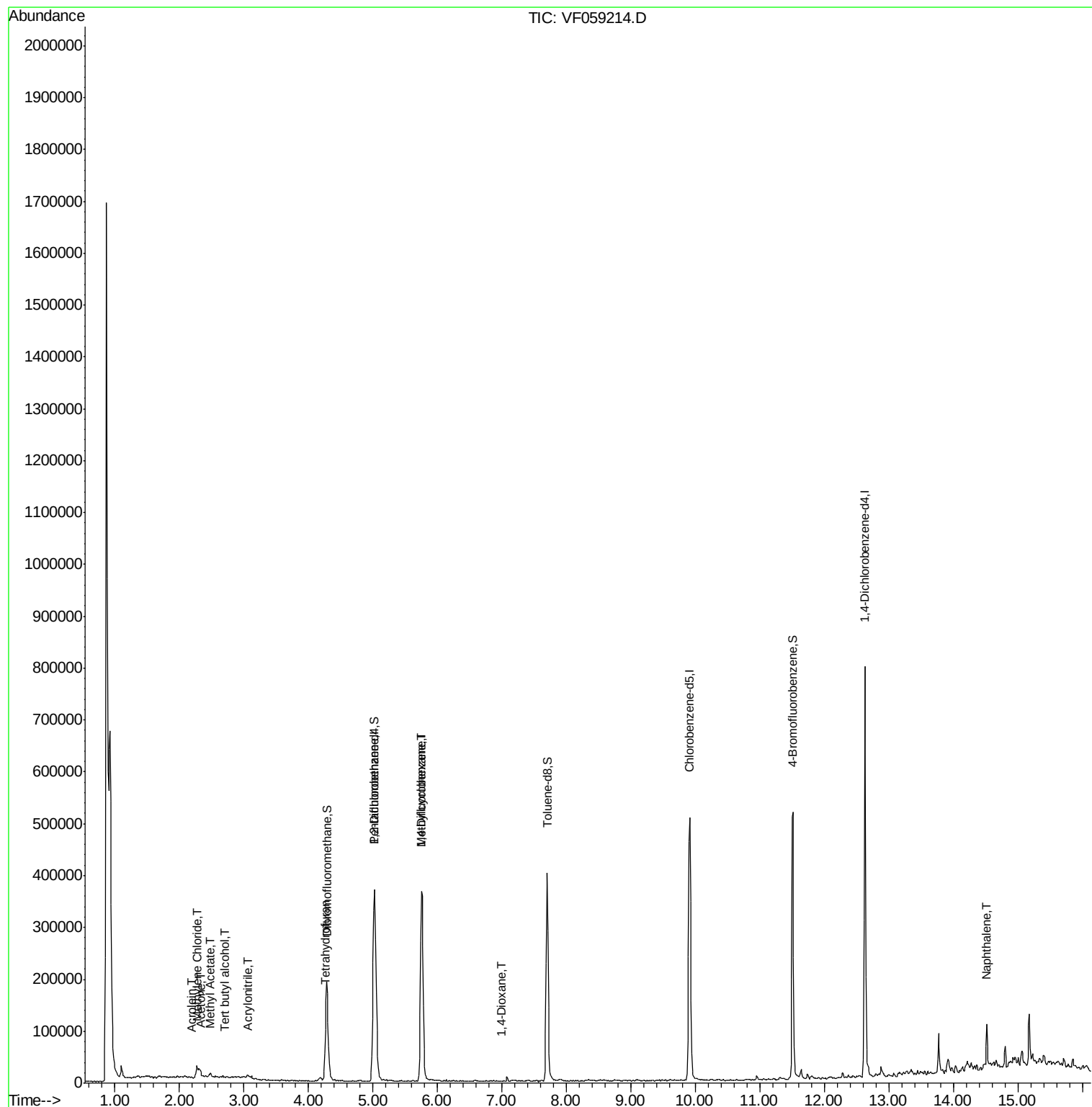
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	1225	6.062	ug/l #	71
13) Acrolein	2.19	56	337	1.927	ug/l	87
15) Acrylonitrile	3.07	53	425	1.059	ug/l #	61
16) Acetone	2.34	43	2069	2.748	ug/l	92
18) Methyl Acetate	2.48	43	6134	4.738	ug/l #	66
20) Methylene Chloride	2.27	84	8240	4.570	ug/l #	89
29) Tetrahydrofuran	4.26	42	980	1.905	ug/l #	36
39) Methylcyclohexane	5.76	83	4701	1.143	ug/l #	35
49) 1,4-Dioxane	6.99	88	69	17.189	ug/l #	16
89) n-Butylbenzene	12.92	91	2309	Below Cal		83
95) Naphthalene	14.52	128	9702	1.051	ug/l #	78

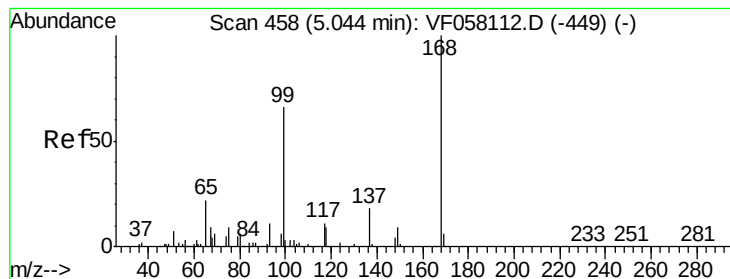
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061918\
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Quant Time: Jun 20 06:55:13 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: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059214.D

Acq: 20 Jun 2018 4:54

Instrument :

MSVOA_F

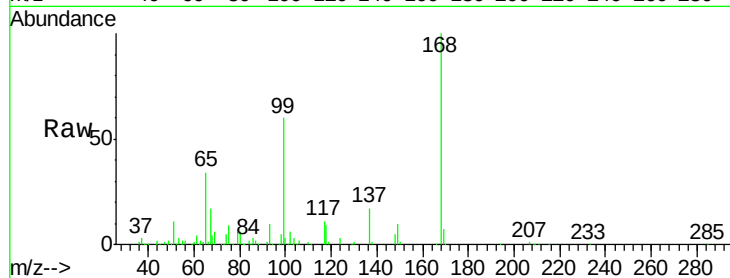
ClientSampled :

Tot Ion:168 Resp: 260057

Ion Ratio Lower Upper

168 100

99 60.3 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

100000

80000

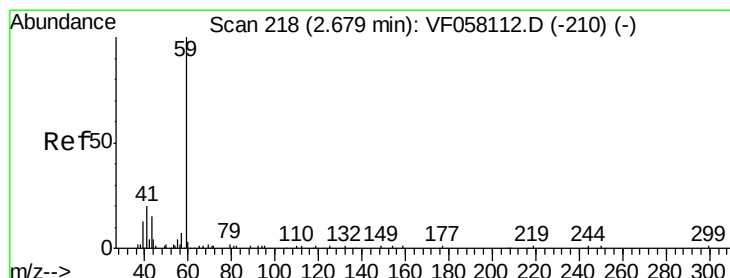
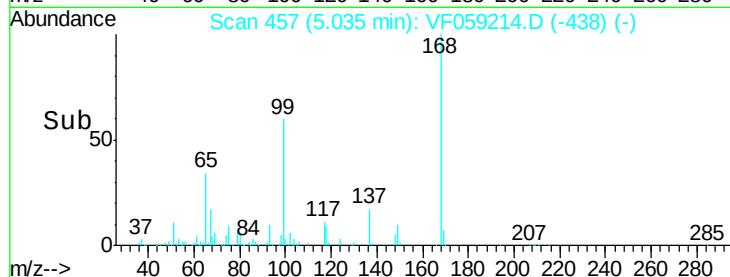
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 6.062 ug/l

RT: 2.70 min Scan# 220

Delta R.T. 0.02 min

Lab File: VF059214.D

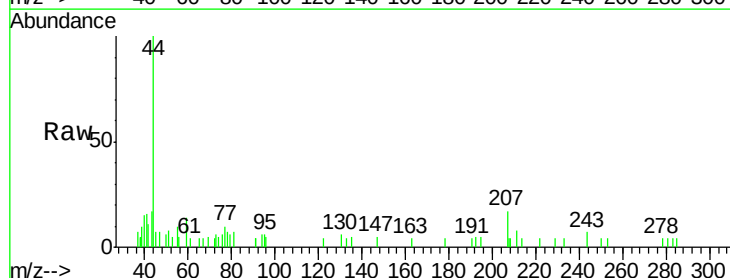
Acq: 20 Jun 2018 4:54

Tgt Ion: 59 Resp: 1225

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.70

400

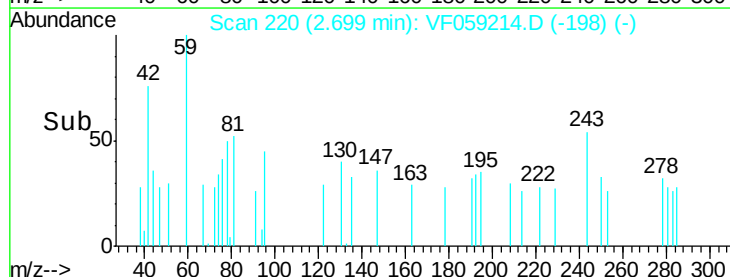
300

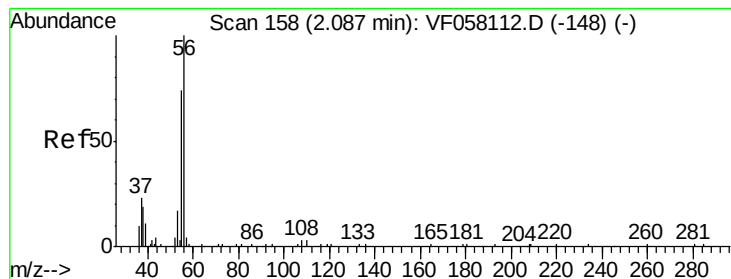
200

100

0

Time-->





#13

Acrolein

Concen: 1.927 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.10 min

Lab File: VF059214.D

Acq: 20 Jun 2018 4:54

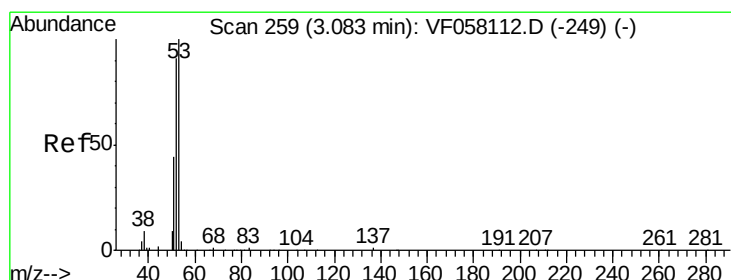
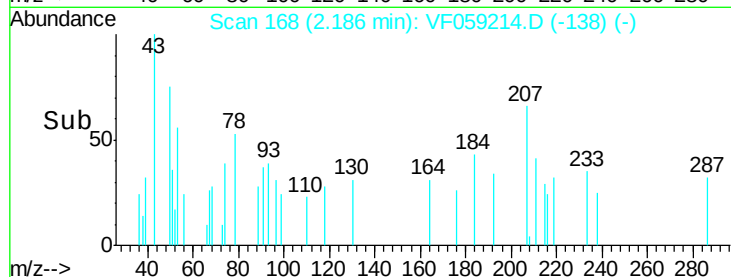
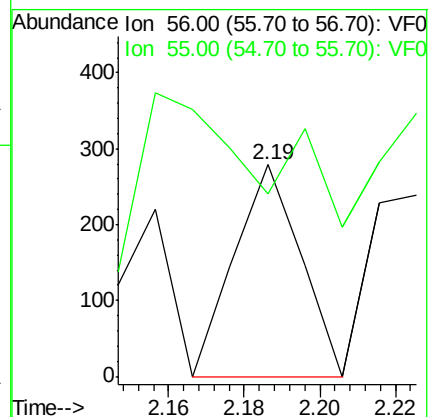
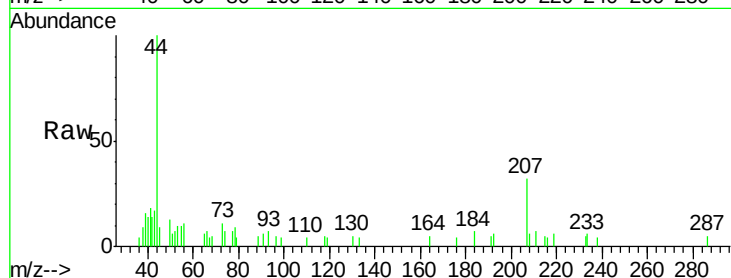
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 337

Ion Ratio Lower Upper

56 100

55 86.0 60.0 90.0



#15

Acrylonitrile

Concen: 1.059 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059214.D

Acq: 20 Jun 2018 4:54

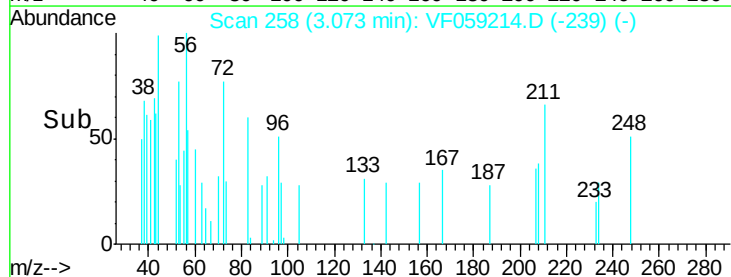
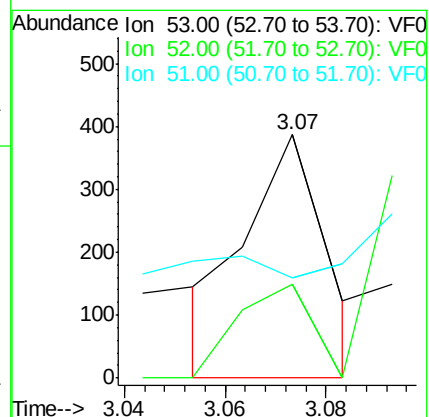
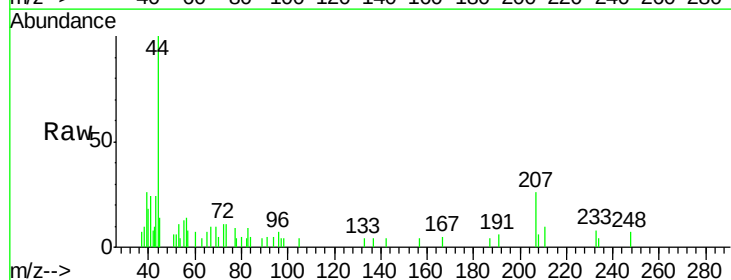
Tgt Ion: 53 Resp: 425

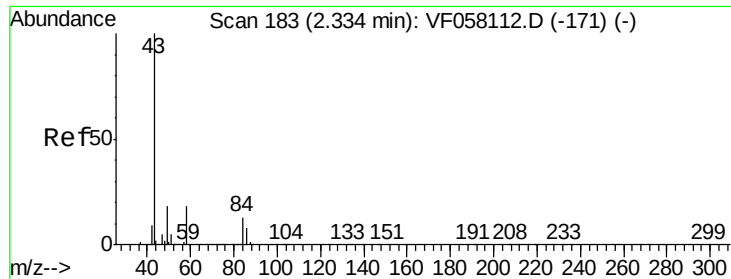
Ion Ratio Lower Upper

53 100

52 38.2 73.2 109.8#

51 41.1 35.6 53.4

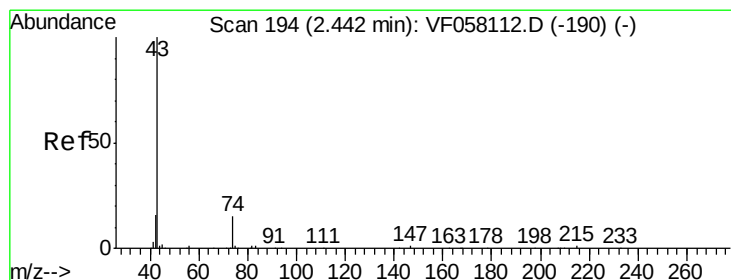
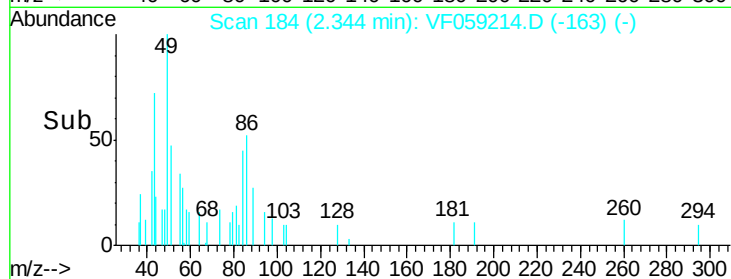
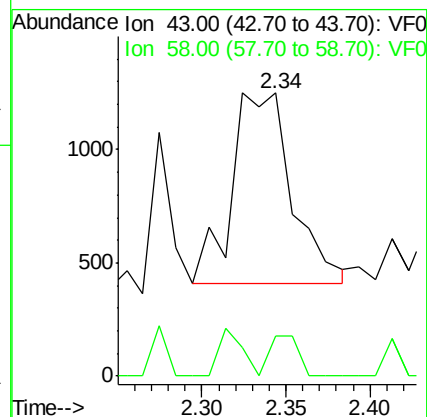
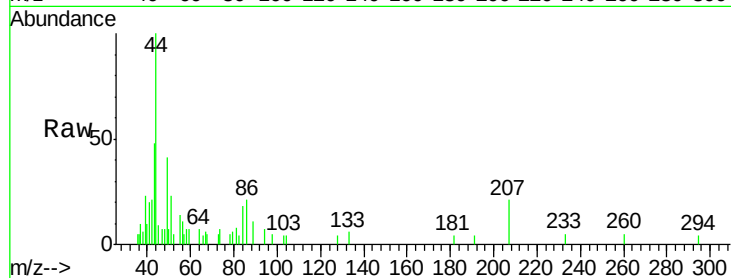




#16
Acetone
Concen: 2.748 ug/l
RT: 2.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF059214.D
Acq: 20 Jun 2018 4:54

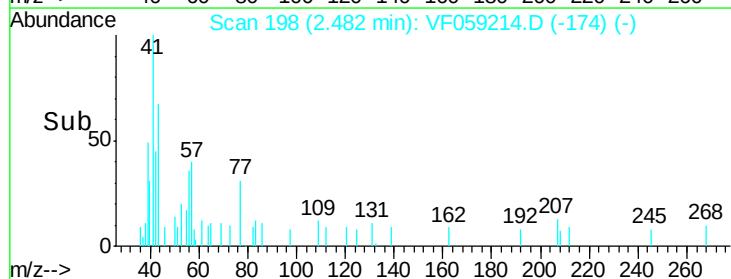
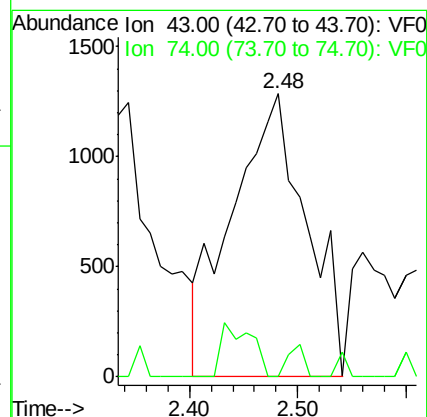
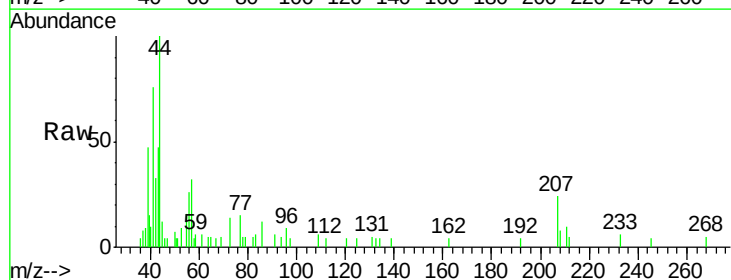
Instrument :
MSVOA_F
ClientSampleId :

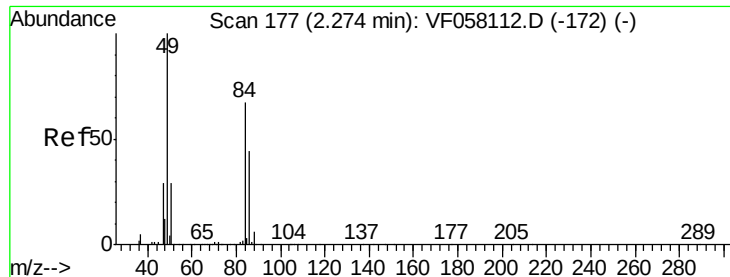
Tot Ion: 43 Resp: 2069
Ion Ratio Lower Upper
43 100
58 14.4 14.4 21.6



#18
Methyl Acetate
Concen: 4.738 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.04 min
Lab File: VF059214.D
Acq: 20 Jun 2018 4:54

Tgt Ion: 43 Resp: 6134
Ion Ratio Lower Upper
43 100
74 0.0 10.9 16.3#

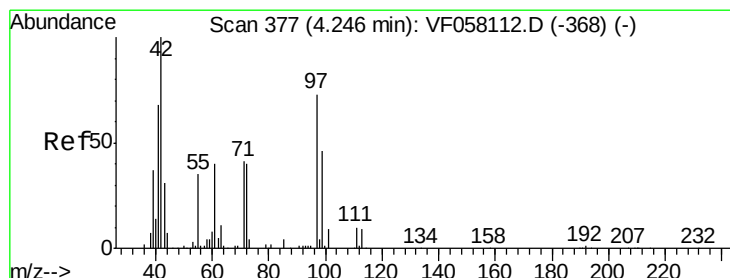
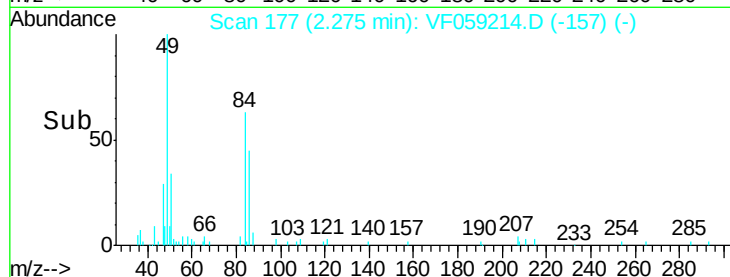
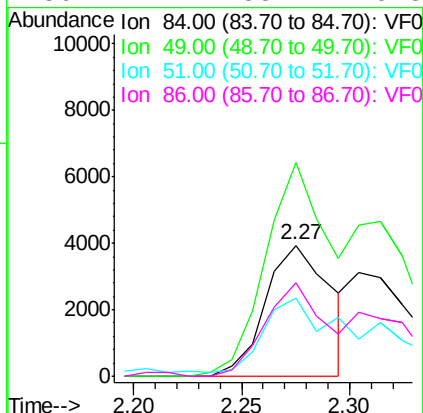
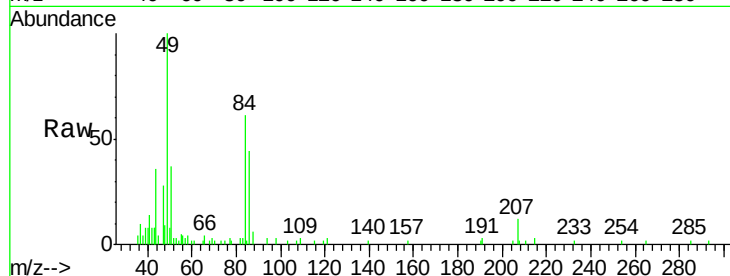




#20
Methylene Chloride
Concen: 4.570 ug/l
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059214.D
Acq: 20 Jun 2018 4:54

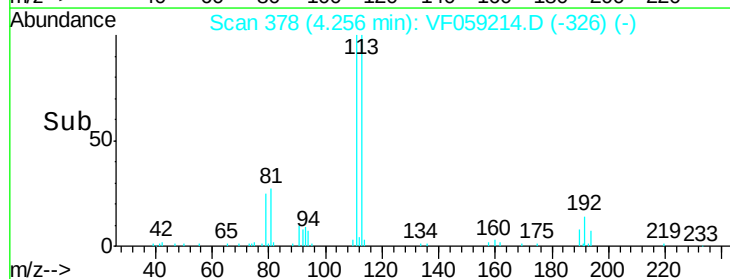
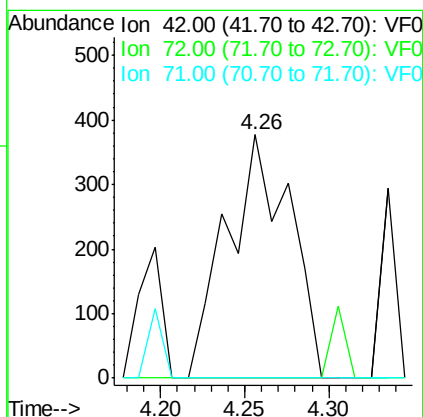
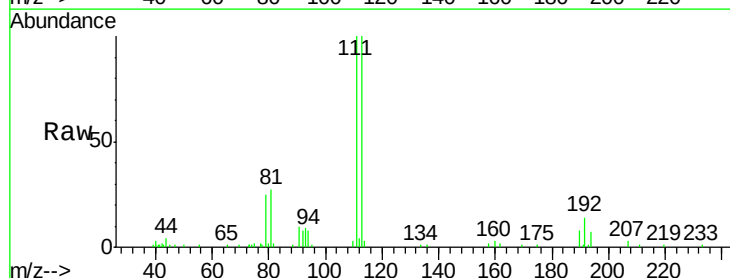
Instrument :
MSVOA_F
ClientSampled :

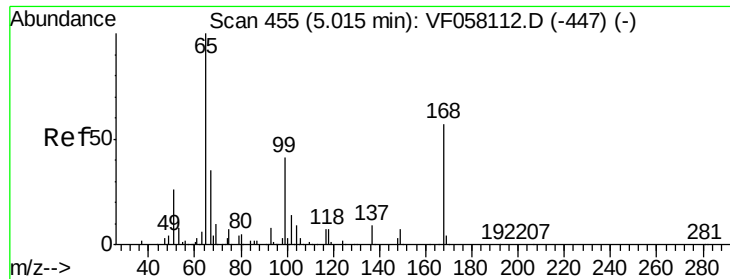
Tot Ion: 84 Resp: 8240
Ion Ratio Lower Upper
84 100
49 162.8 121.0 181.4
51 60.0 35.8 53.6#
86 71.1 53.2 79.8



#29
Tetrahydrofuran
Concen: 1.905 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF059214.D
Acq: 20 Jun 2018 4:54

Tgt Ion: 42 Resp: 980
Ion Ratio Lower Upper
42 100
72 0.0 30.5 45.7#
71 0.0 31.5 47.3#

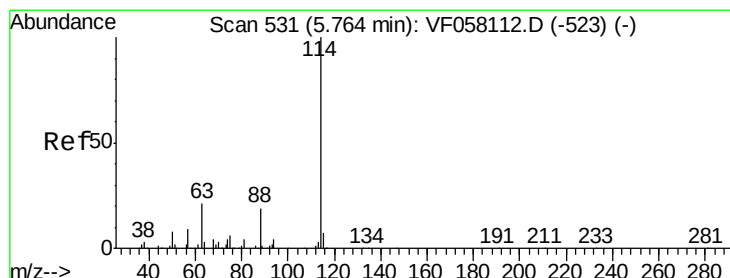
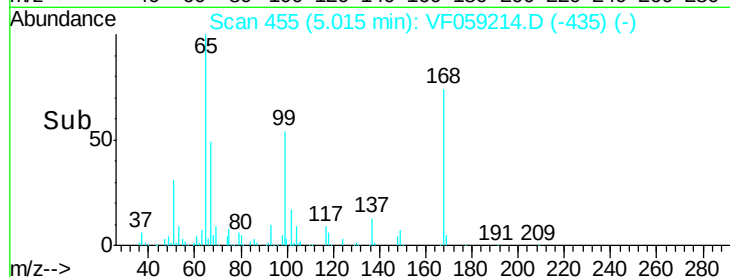
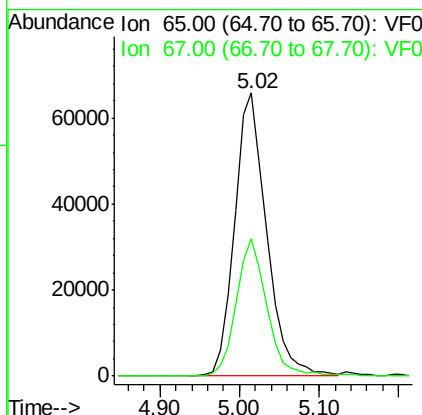
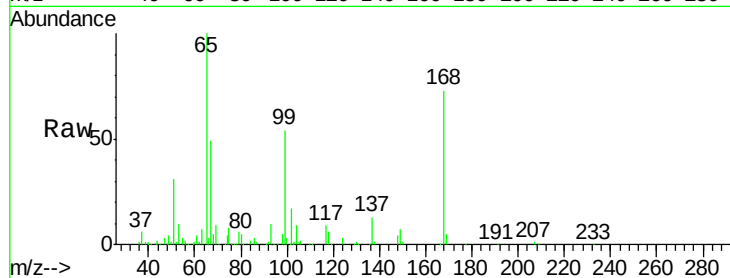




#33
 1,2-Dichloroethane-d4
 Concen: 58.172 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059214.D
 Acq: 20 Jun 2018 4:54

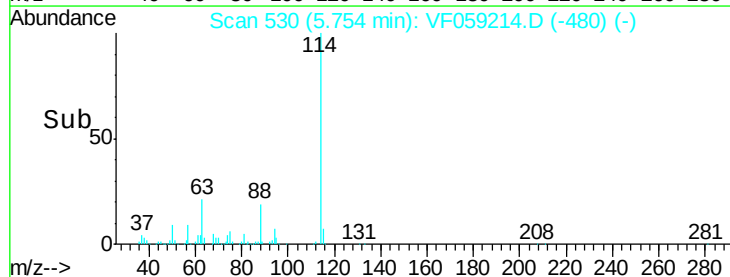
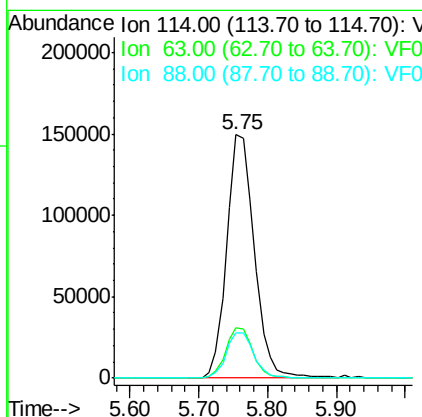
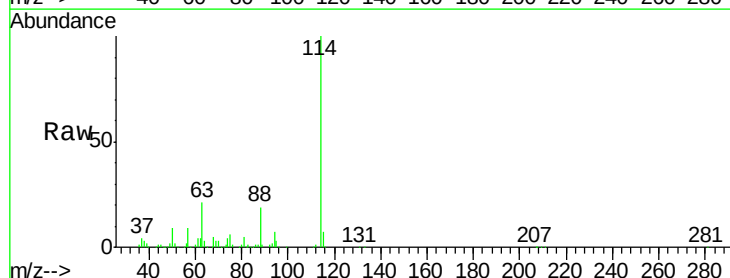
Instrument :
 MSVOA_F
 ClientSampleId :

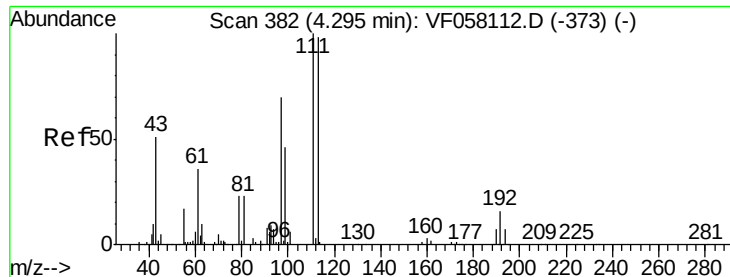
Tot Ion: 65 Resp: 183472
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059214.D
 Acq: 20 Jun 2018 4:54

Tgt Ion: 114 Resp: 416333
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.6
 88 18.7 0.0 38.8





#35

Dibromofluoromethane

Concen: 57.348 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059214.D

Acq: 20 Jun 2018 4:54

Instrument :
MSVOA_F
ClientSampleId :

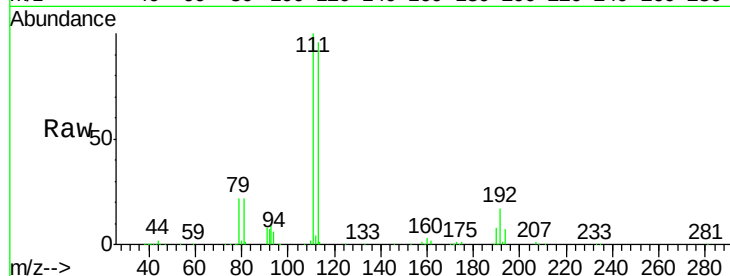
Tot Ion:113 Resp: 167531

Ion Ratio Lower Upper

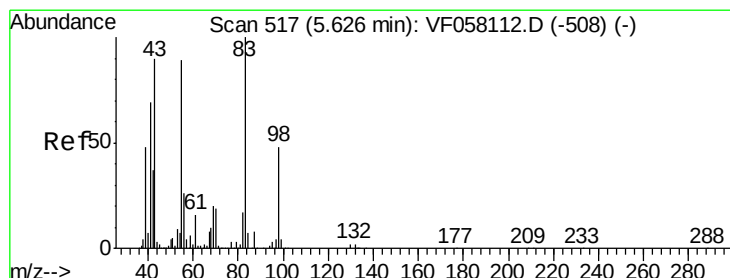
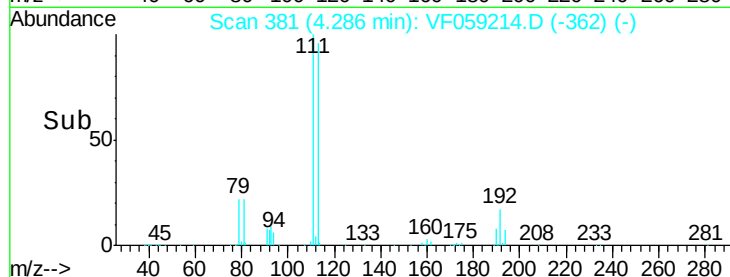
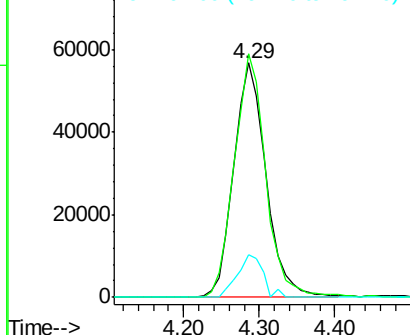
113 100

111 104.0 81.3 121.9

192 18.0 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: 1.143 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.14 min

Lab File: VF059214.D

Acq: 20 Jun 2018 4:54

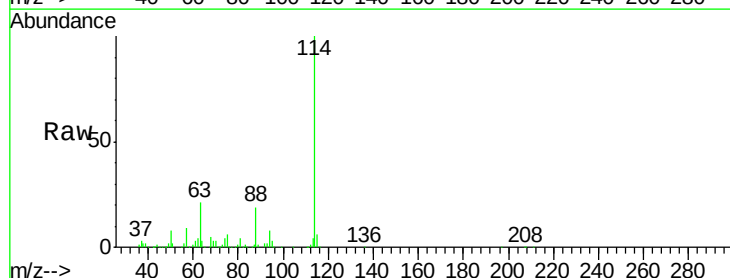
Tgt Ion: 83 Resp: 4701

Ion Ratio Lower Upper

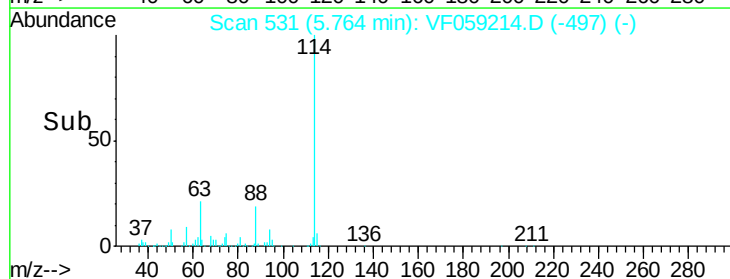
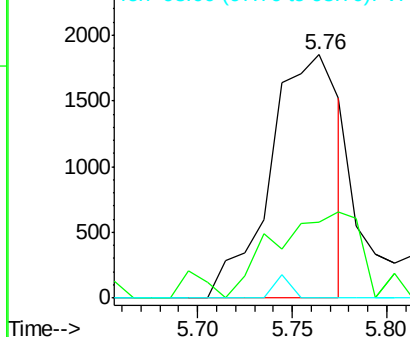
83 100

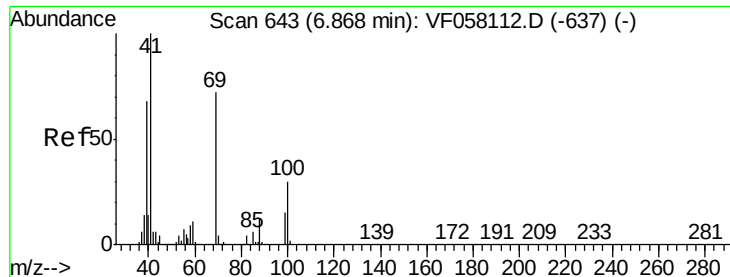
55 31.1 71.0 106.4#

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: 17.189 ug/l

RT: 6.99 min Scan# 655

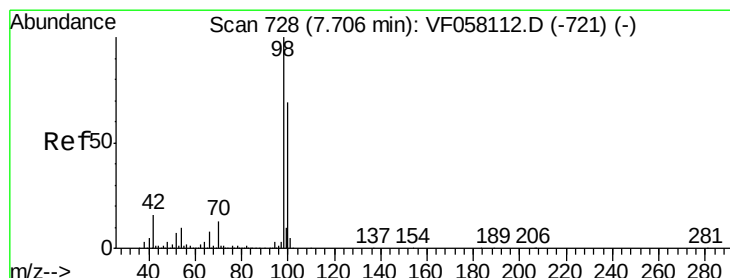
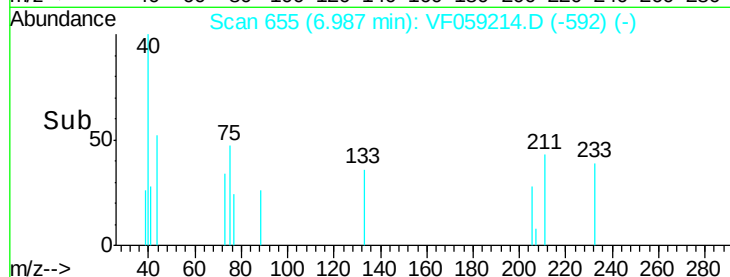
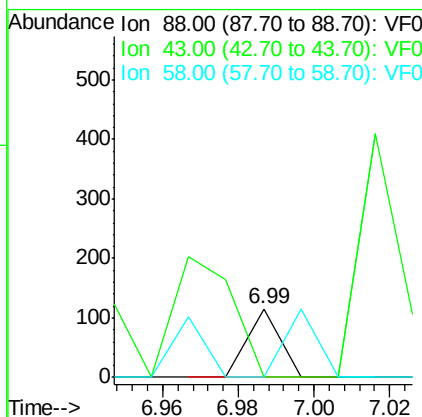
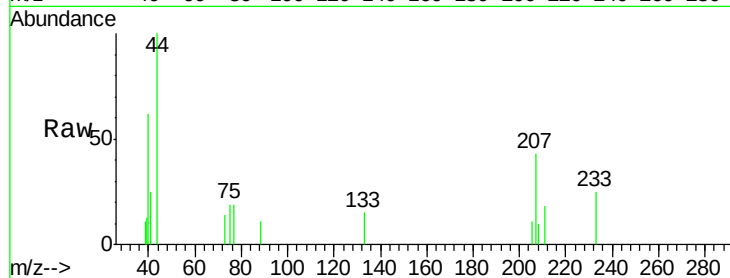
Delta R.T. 0.12 min

Lab File: VF059214.D

Acq: 20 Jun 2018 4:54

Instrument :
MSVOA_F
ClientSampleId :

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



#50

Toluene-d8

Concen: 40.606 ug/l

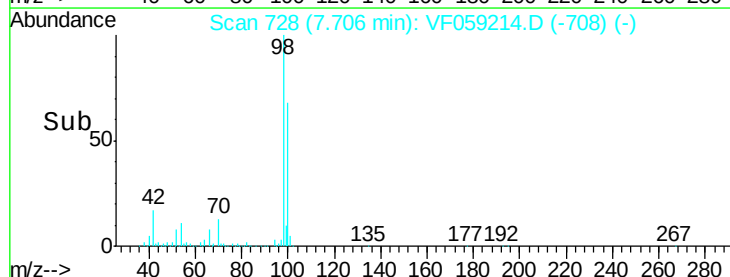
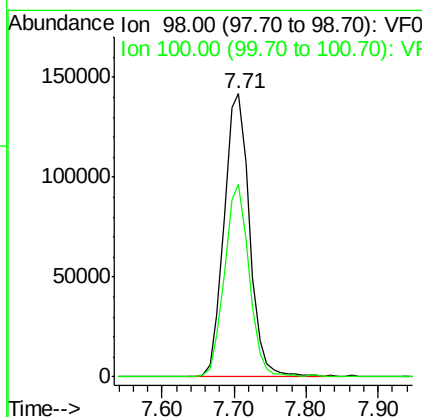
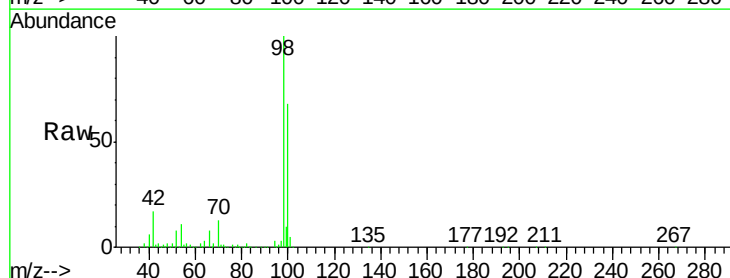
RT: 7.71 min Scan# 728

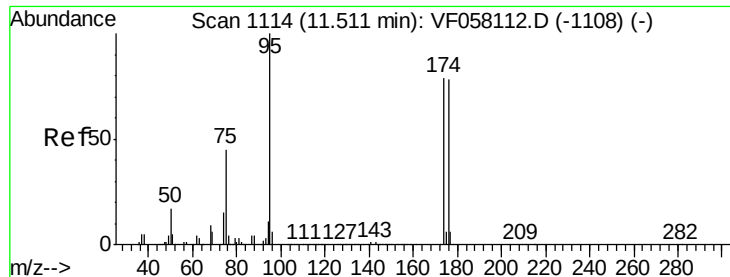
Delta R.T. 0.00 min

Lab File: VF059214.D

Acq: 20 Jun 2018 4:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.0	55.6	83.4

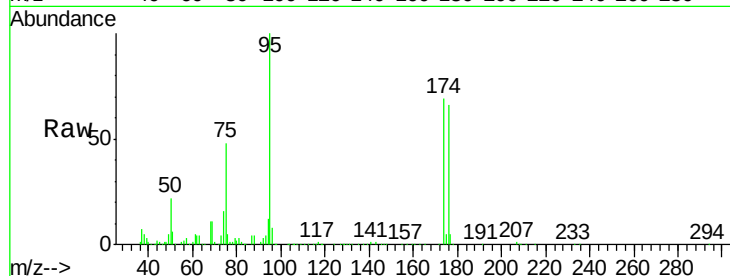




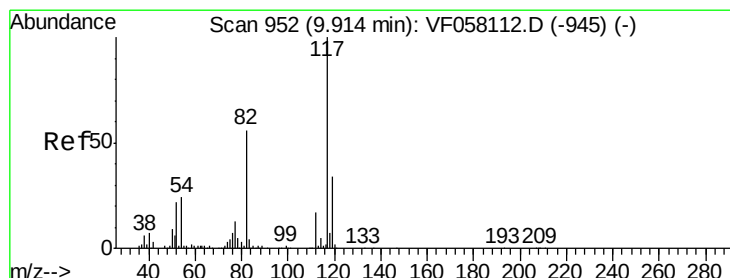
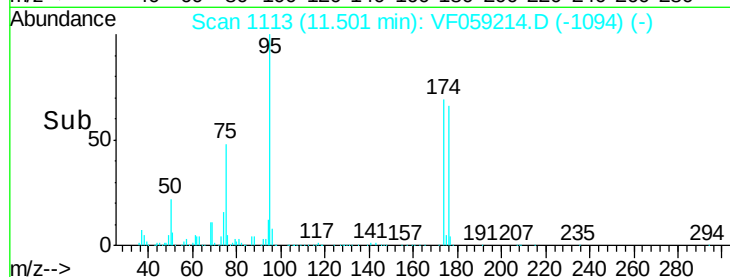
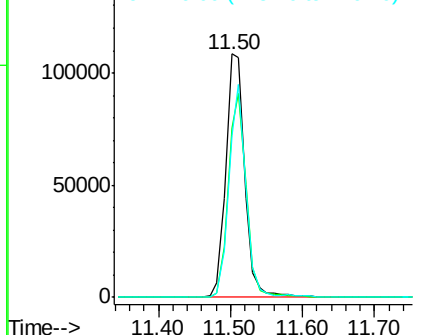
#62
4-Bromofluorobenzene
Concen: 45.265 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059214.D
Acq: 20 Jun 2018 4:54

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	95	Resp	199250
Ion Ratio	Lower	Upper	
95	100		
174	69.4	0.0	157.8
176	66.4	0.0	155.8

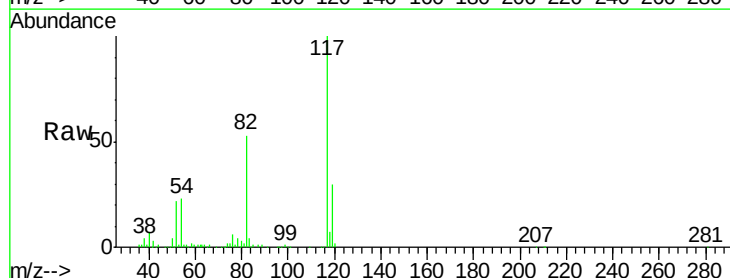


Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

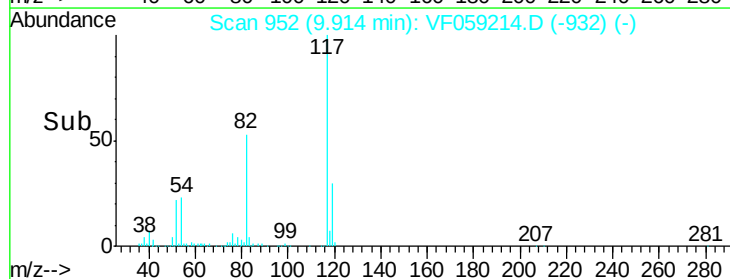
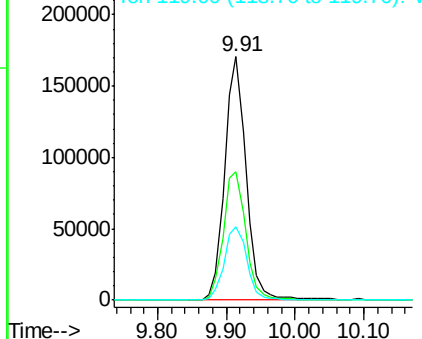


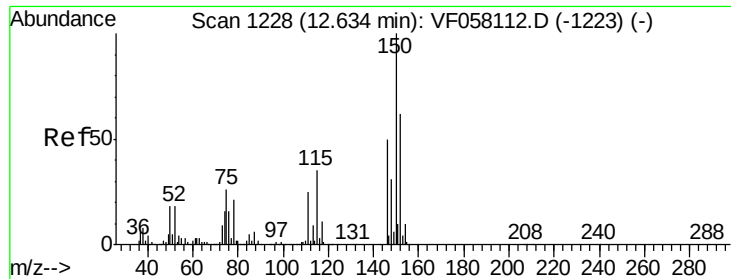
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059214.D
Acq: 20 Jun 2018 4:54

Tgt Ion	117	Resp	366819
Ion Ratio	Lower	Upper	
117	100		
82	52.6	45.2	67.8
119	30.1	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



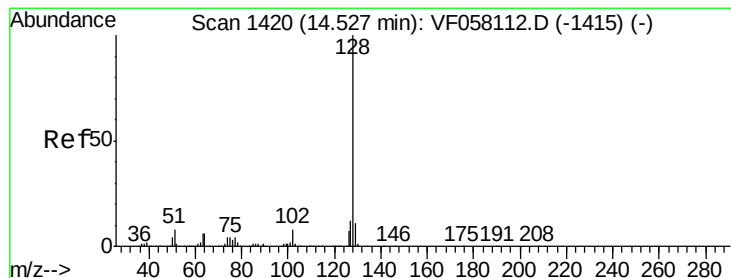
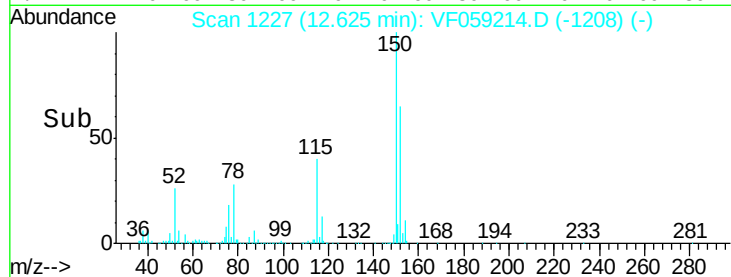
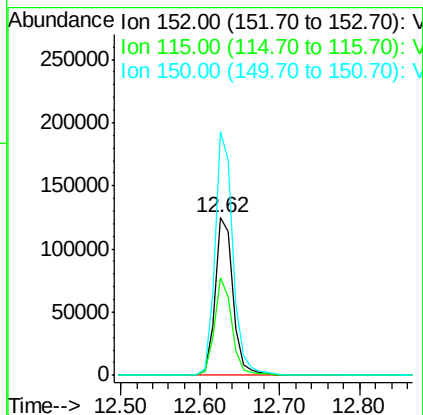
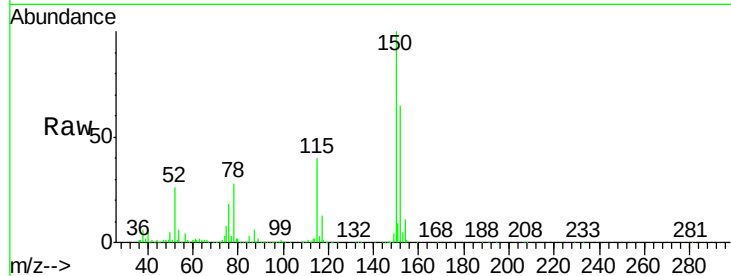


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059214.D
Acq: 20 Jun 2018 4:54

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.3	28.5	85.5
150	154.4	0.0	323.8



#95

Naphthalene
Concen: 1.051 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059214.D
Acq: 20 Jun 2018 4:54

Tgt Ion	Ratio	Lower	Upper
128	100		
127	20.5	9.9	14.9#
129	19.6	8.7	13.1#

