

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059242.D
 Acq On : 20 Jun 2018 22:50
 Operator : VA/AP
 Sample : J3584-15RE
 Misc : 5.13g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 21 06:40:03 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	207495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	333636	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	323591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	187062	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	178313	70.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	141.72%	
35) Dibromofluoromethane	4.29	113	163663	69.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	139.82%	
50) Toluene-d8	7.71	98	363217	52.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.62%	
62) 4-Bromofluorobenzene	11.51	95	191971	54.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.84%	

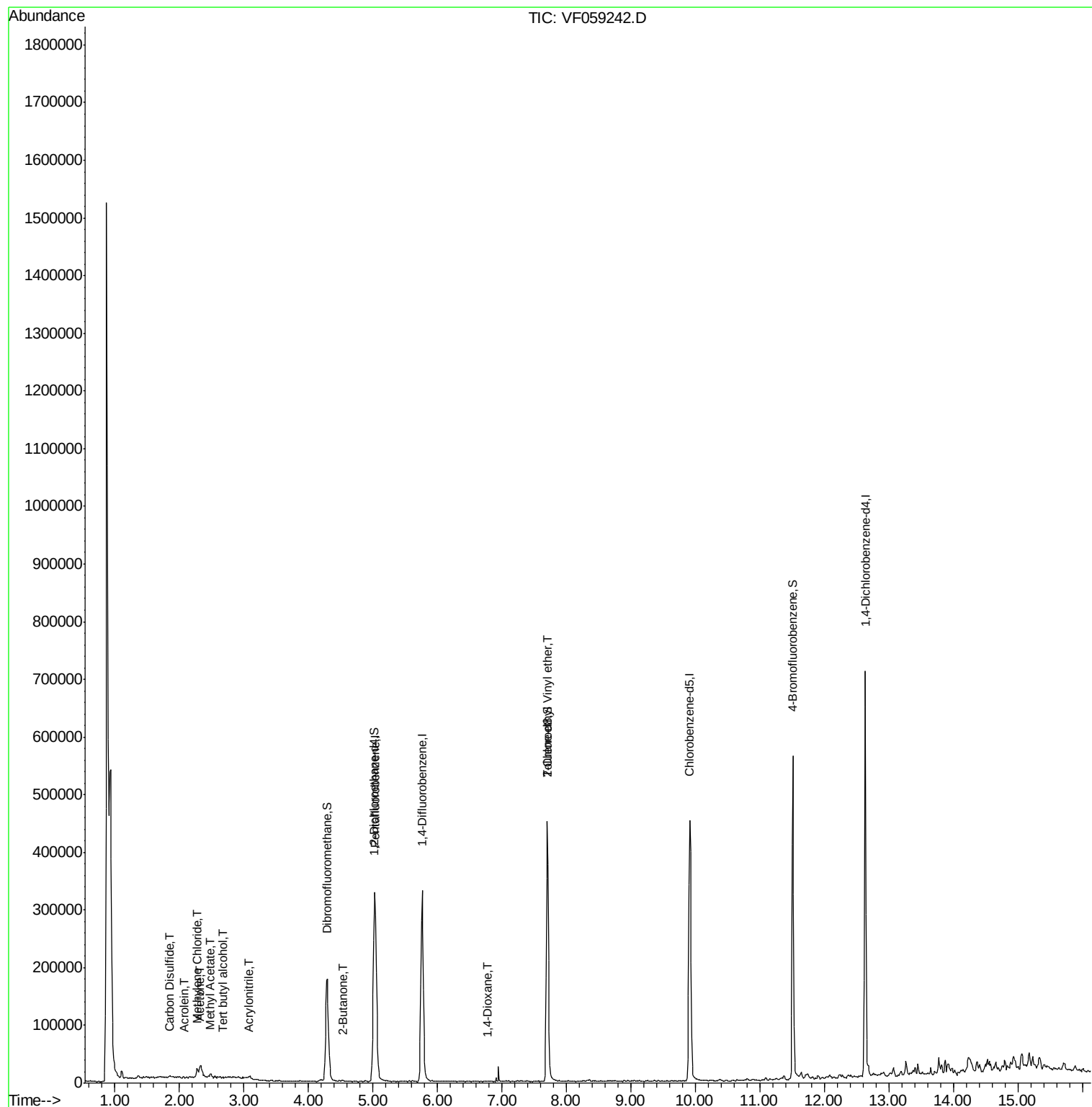
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	323	2.003	ug/l #	1
13) Acrolein	2.09	56	312	2.236	ug/l	90
15) Acrylonitrile	3.06	53	541	1.689	ug/l #	13
16) Acetone	2.33	43	21016	34.978	ug/l #	92
17) Carbon Disulfide	1.84	76	5646	1.471	ug/l #	83
18) Methyl Acetate	2.47	43	2980	2.885	ug/l #	66
20) Methylene Chloride	2.27	84	7122	4.951	ug/l #	57
25) 2-Butanone	4.53	43	4296	4.612	ug/l #	83
49) 1,4-Dioxane	6.77	88	73	18.493	ug/l #	38
58) 2-Chloroethyl Vinyl ether	7.71	63	642	3.636	ug/l	100
89) n-Butylbenzene	12.85	91	416	Below Cal		87

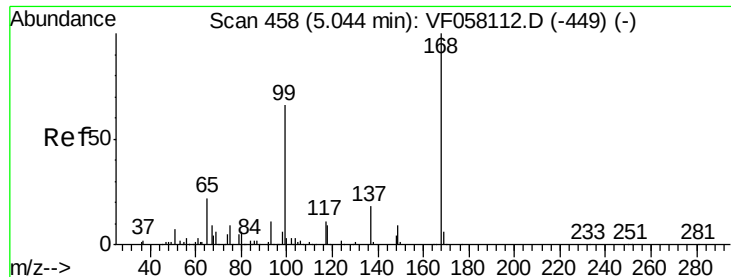
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF059242.D

Acq: 20 Jun 2018 22:50

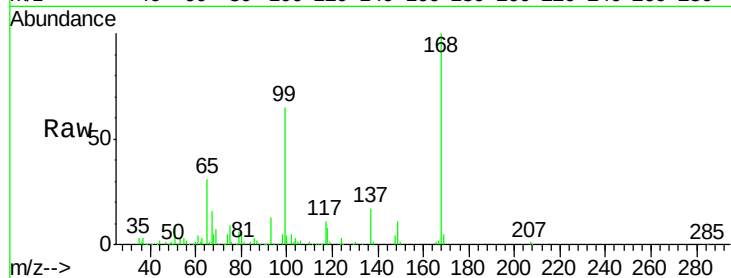
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 207495

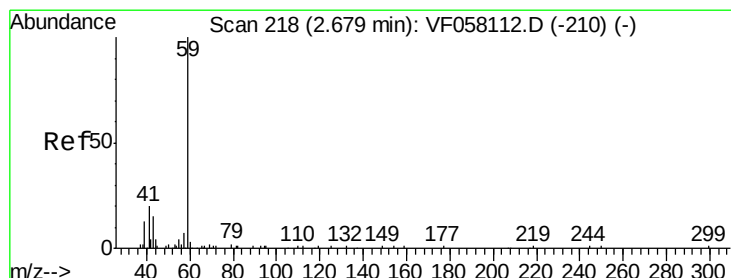
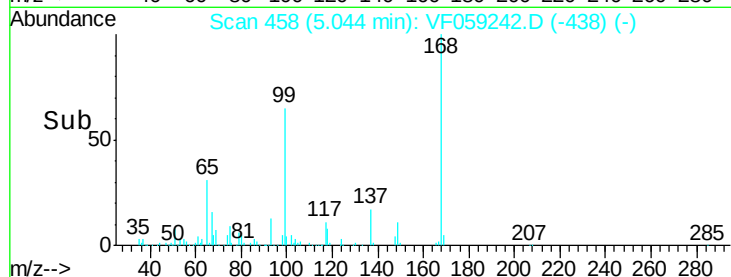
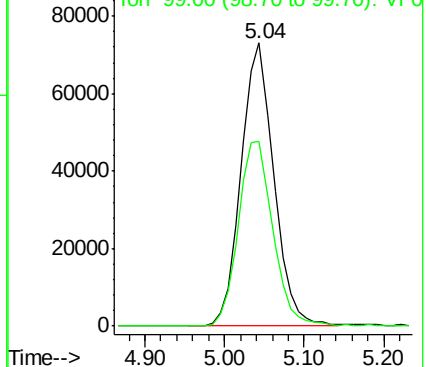
Ion Ratio Lower Upper

168 100

99 65.1 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 2.003 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.00 min

Lab File: VF059242.D

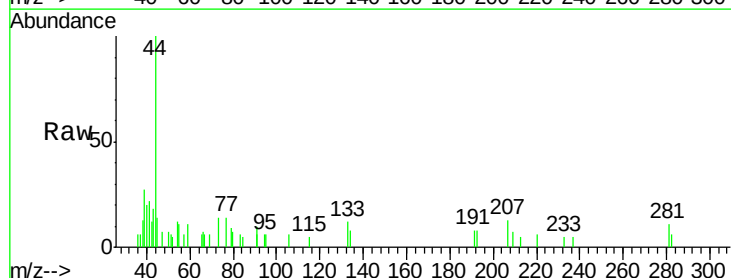
Acq: 20 Jun 2018 22:50

Tgt Ion: 59 Resp: 323

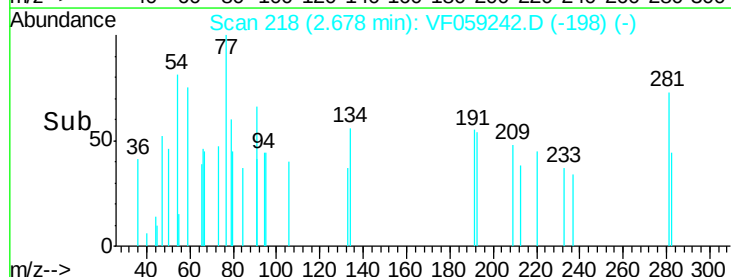
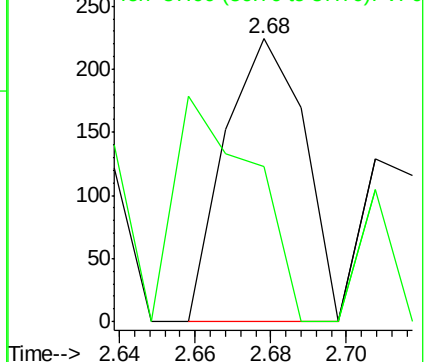
Ion Ratio Lower Upper

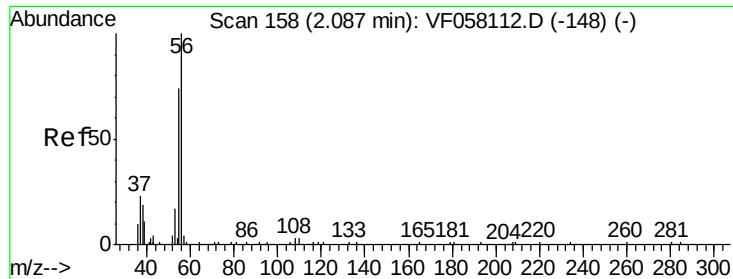
59 100

57 54.9 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: 2.236 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059242.D

Acq: 20 Jun 2018 22:50

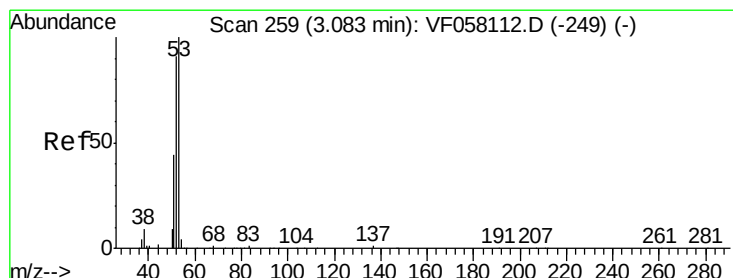
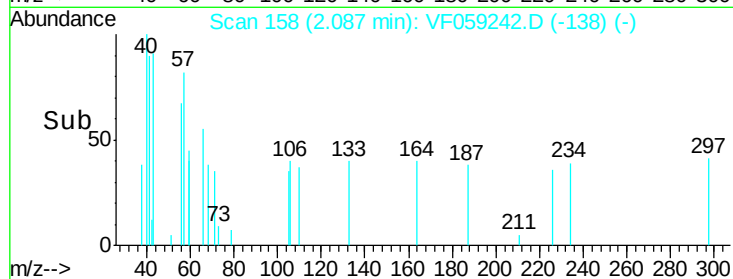
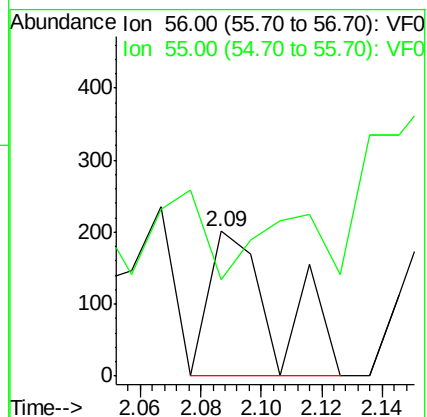
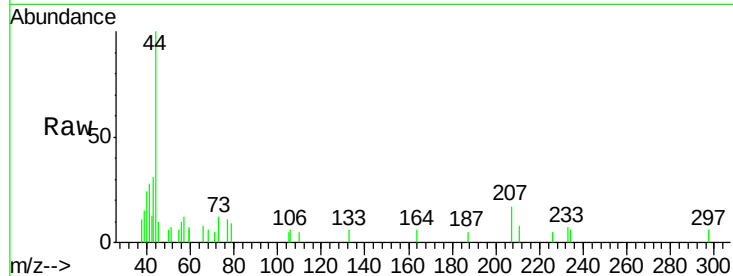
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 312

Ion Ratio Lower Upper

56 100

55 66.7 60.0 90.0



#15

Acrylonitrile

Concen: 1.689 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059242.D

Acq: 20 Jun 2018 22:50

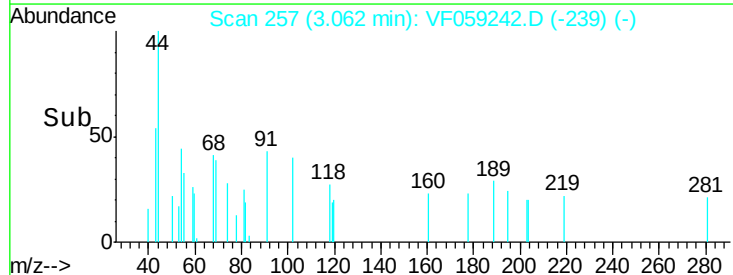
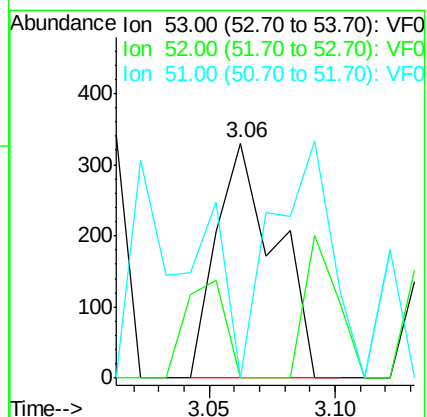
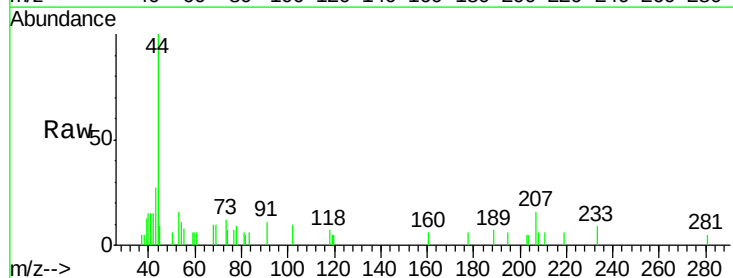
Tgt Ion: 53 Resp: 541

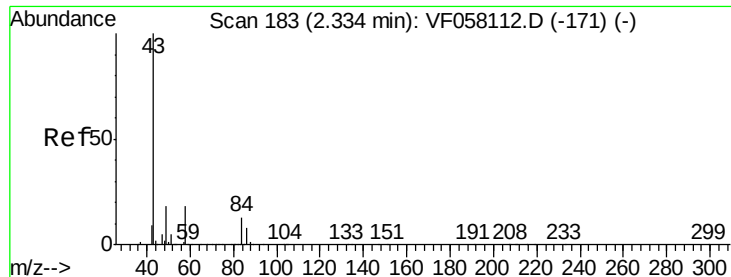
Ion Ratio Lower Upper

53 100

52 0.0 73.2 109.8#

51 0.0 35.6 53.4#





#16

Acetone

Concen: 34.978 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059242.D

Acq: 20 Jun 2018 22:50

Instrument :

MSVOA_F

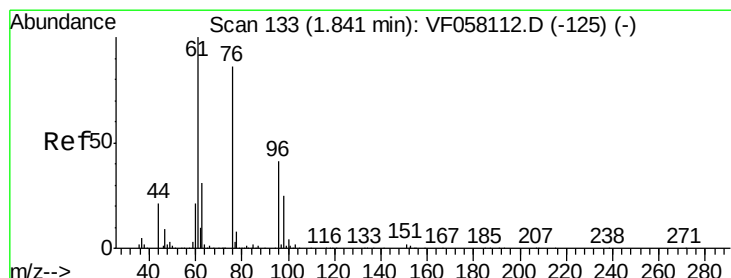
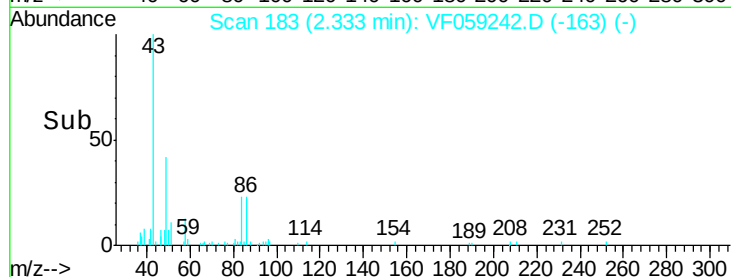
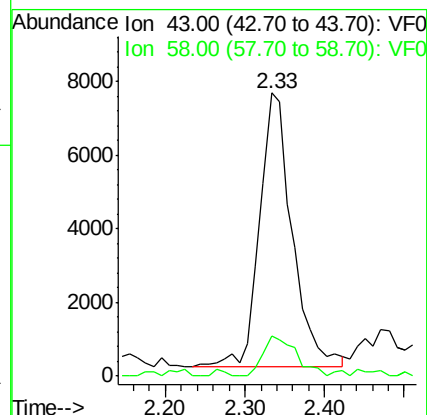
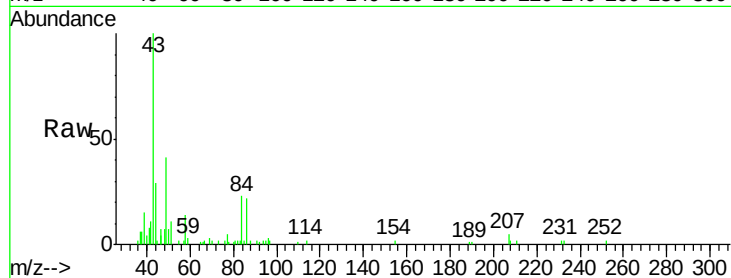
ClientSampleId :

Tot Ion: 43 Resp: 21016

Ion Ratio Lower Upper

43 100

58 14.3 14.4 21.6#



#17

Carbon Disulfide

Concen: 1.471 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.00 min

Lab File: VF059242.D

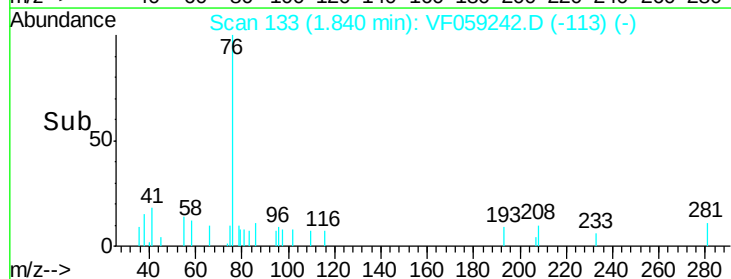
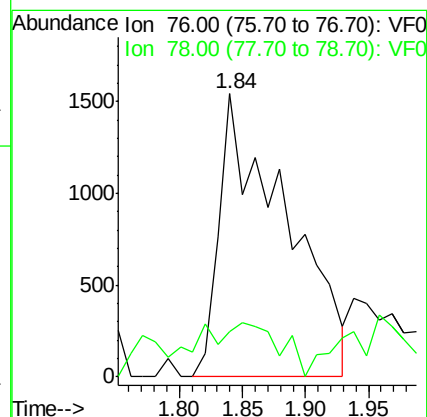
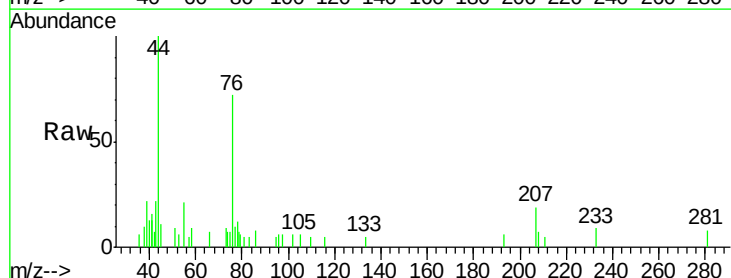
Acq: 20 Jun 2018 22:50

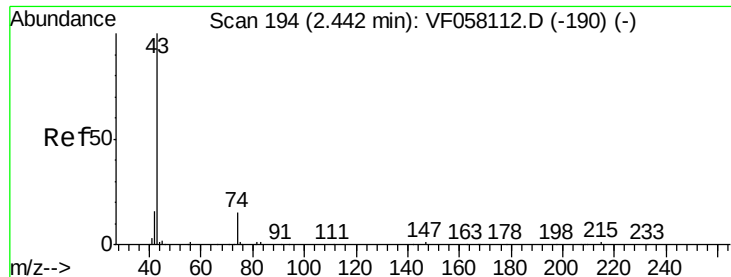
Tgt Ion: 76 Resp: 5646

Ion Ratio Lower Upper

76 100

78 16.1 7.8 11.8#

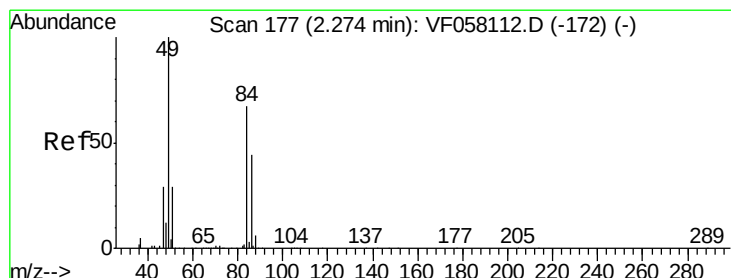
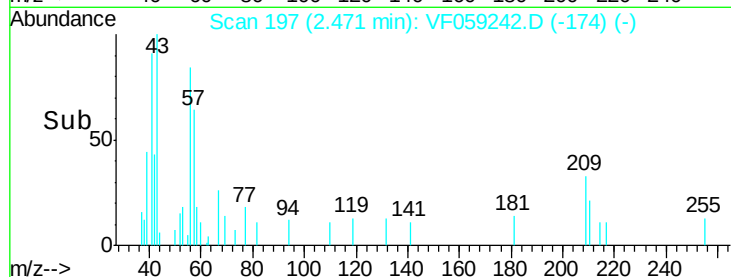
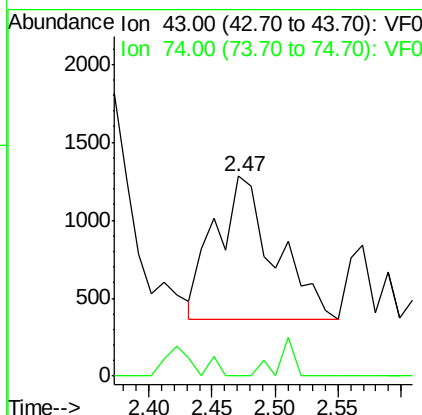
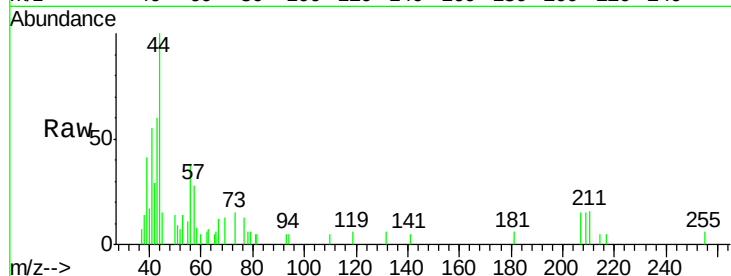




#18
Methvl Acetate
Concen: 2.885 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.03 min
Lab File: VF059242.D
Acq: 20 Jun 2018 22:50

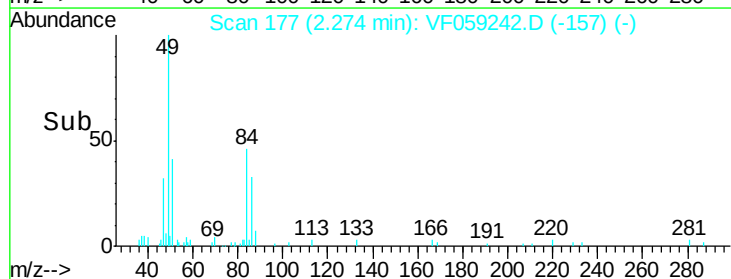
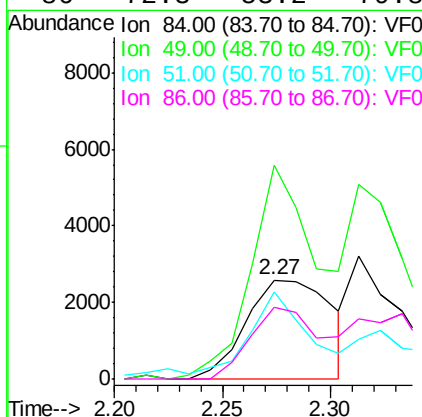
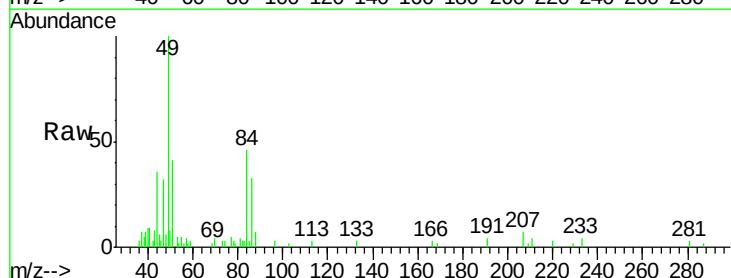
Instrument :
MSVOA_F
ClientSampleId :

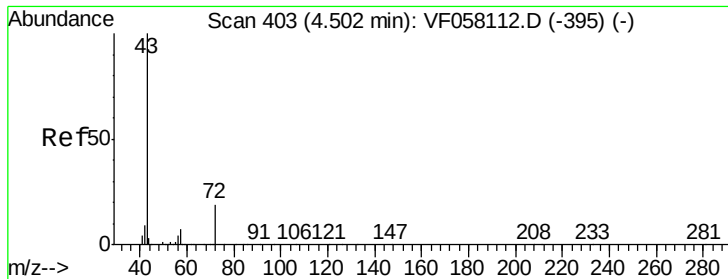
Tot Ion: 43 Resp: 2980
Ion Ratio Lower Upper
43 100
74 0.0 10.9 16.3#



#20
Methylene Chloride
Concen: 4.951 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059242.D
Acq: 20 Jun 2018 22:50

Tgt Ion: 84 Resp: 7122
Ion Ratio Lower Upper
84 100
49 216.2 121.0 181.4#
51 88.1 35.8 53.6#
86 72.3 53.2 79.8





#25

2-Butanone

Concen: 4.612 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.03 min

Lab File: VF059242.D

Acq: 20 Jun 2018 22:50

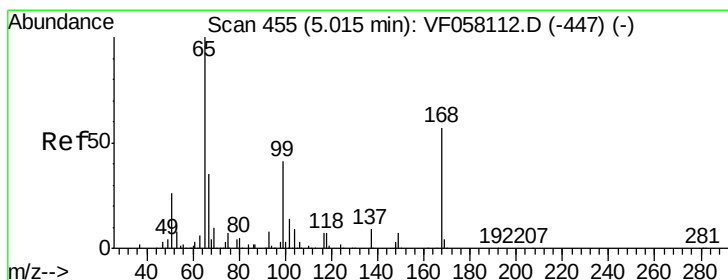
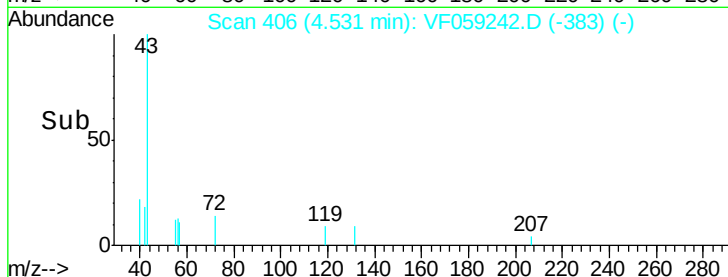
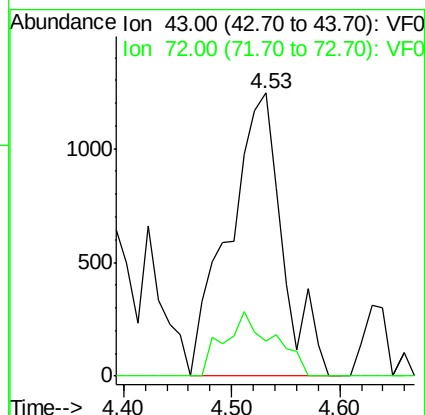
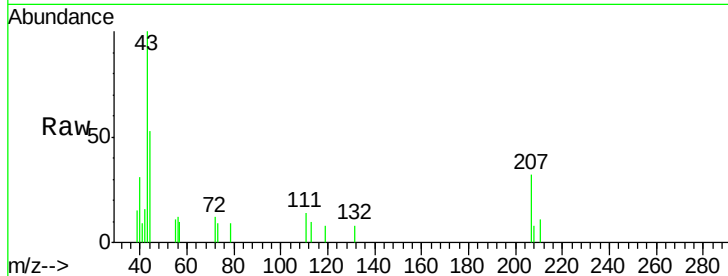
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 4296

Ion Ratio Lower Upper

43 100

72 12.5 16.1 24.1#



#33

1,2-Dichloroethane-d4

Concen: 70.858 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.00 min

Lab File: VF059242.D

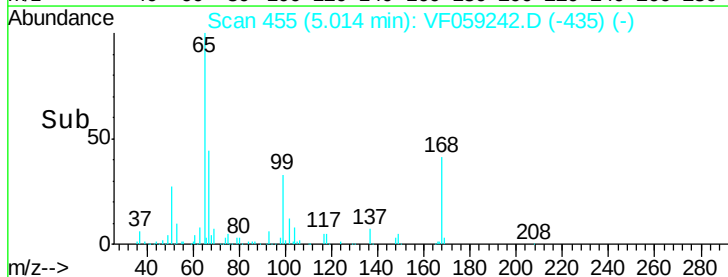
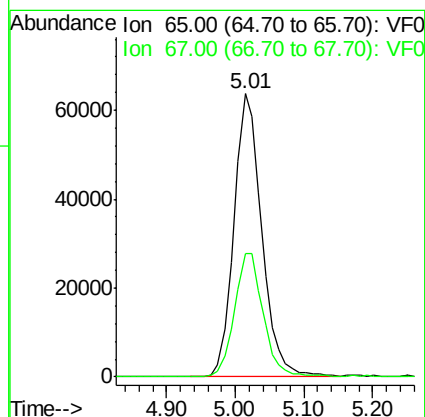
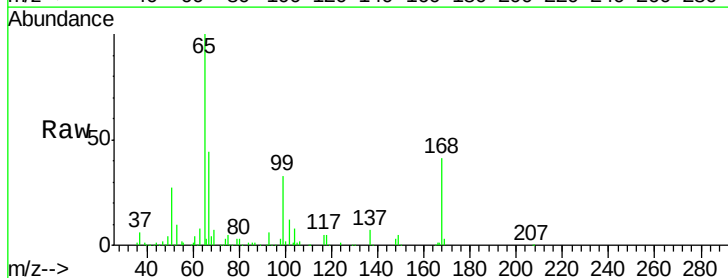
Acq: 20 Jun 2018 22:50

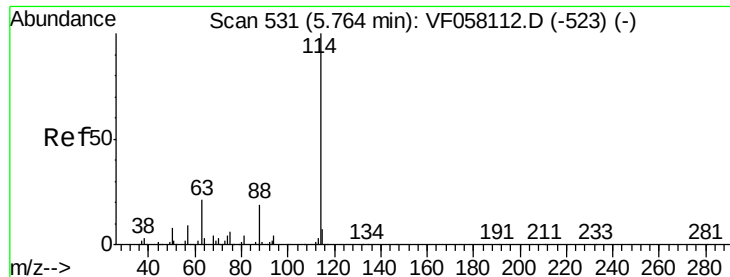
Tgt Ion: 65 Resp: 178313

Ion Ratio Lower Upper

65 100

67 43.6 0.0 97.0

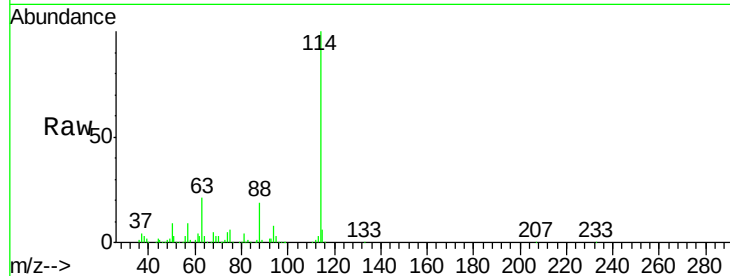




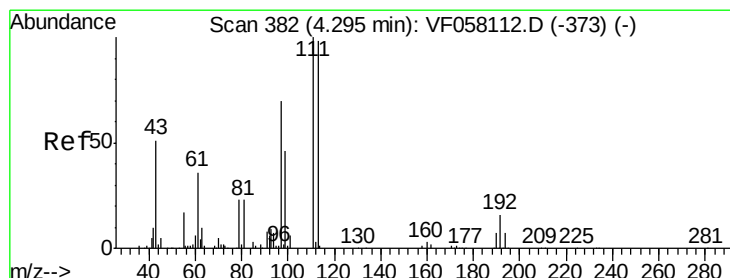
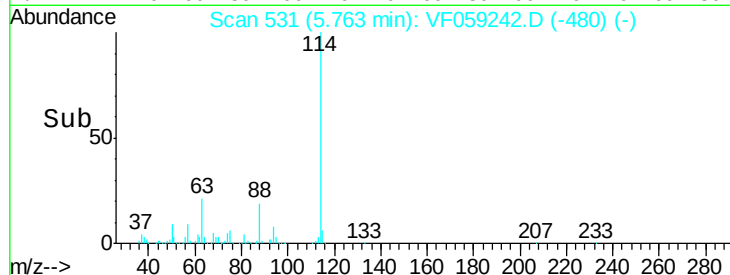
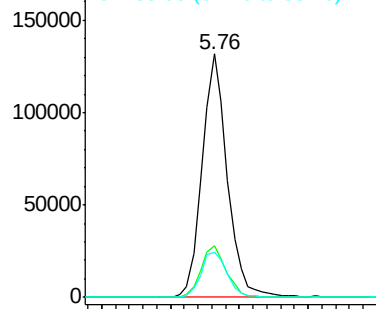
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.76 min Scan# 531
Delta R.T. -0.00 min
Lab File: VF059242.D
Acq: 20 Jun 2018 22:50

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:114 Resp: 333636
Ion Ratio Lower Upper
114 100
63 21.4 0.0 41.6
88 18.7 0.0 38.8

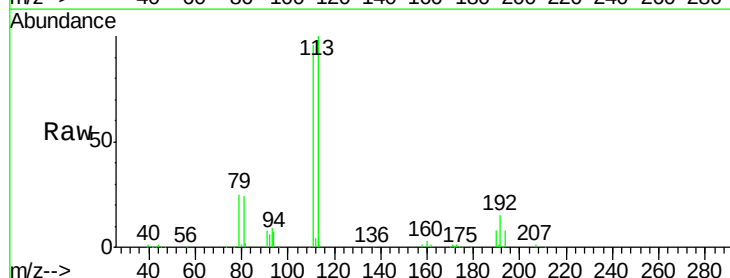


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

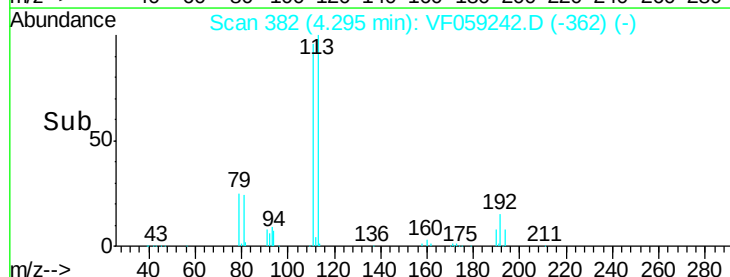
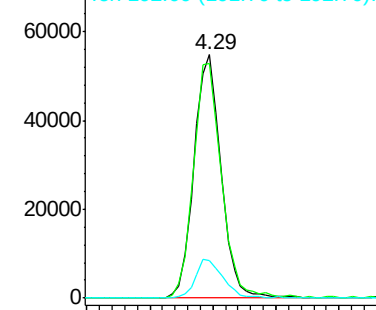


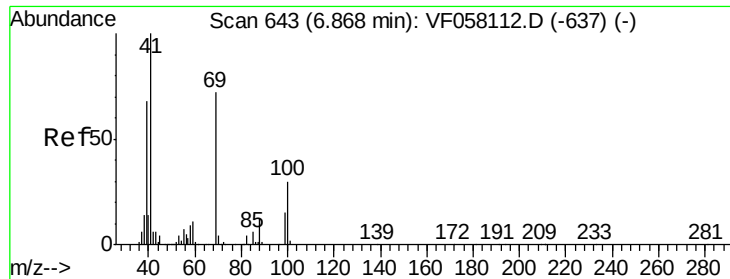
#35
Dibromofluoromethane
Concen: 69.911 ug/l
RT: 4.29 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF059242.D
Acq: 20 Jun 2018 22:50

Tgt Ion:113 Resp: 163663
Ion Ratio Lower Upper
113 100
111 96.3 81.3 121.9
192 15.6 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

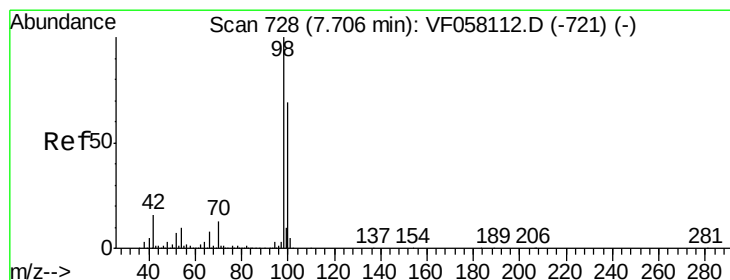
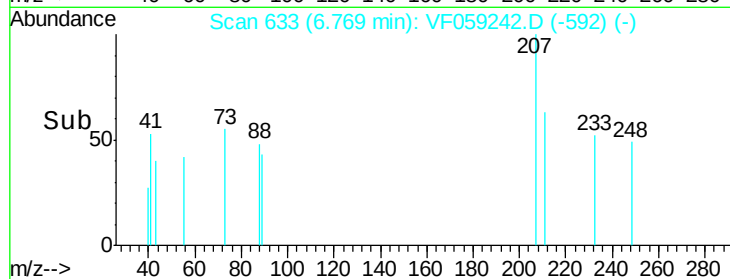
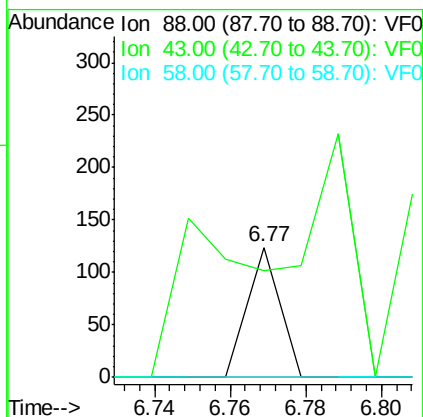
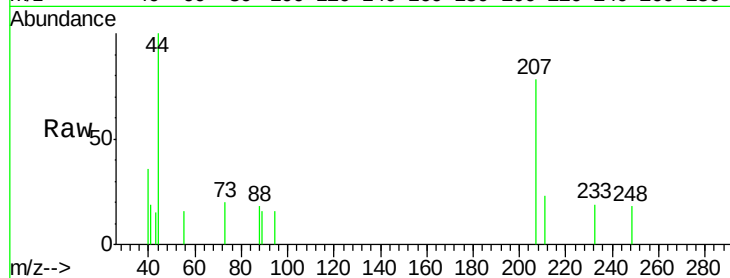




#49
1,4-Dioxane
Concen: 18.493 ug/l
RT: 6.77 min Scan# 633
Delta R.T. -0.10 min
Lab File: VF059242.D
Acq: 20 Jun 2018 22:50

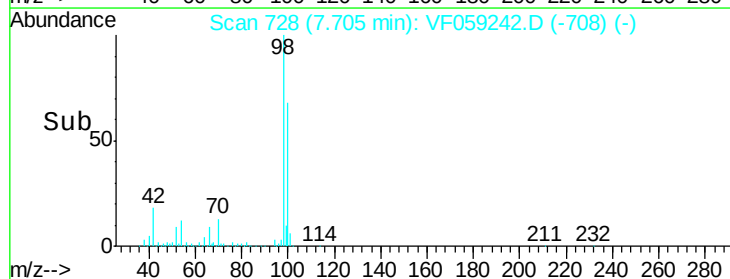
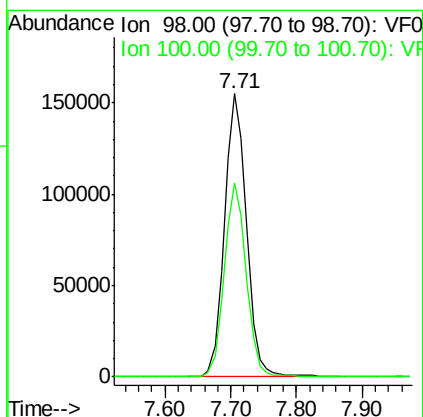
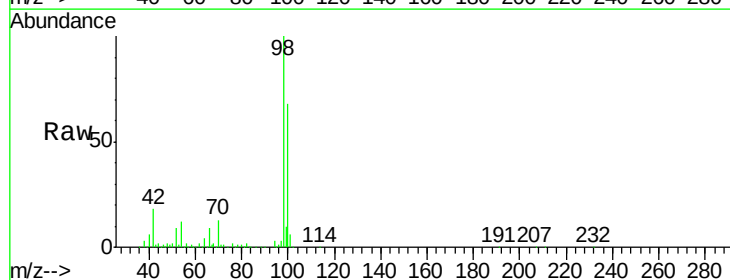
Instrument :
MSVOA_F
ClientSampled :

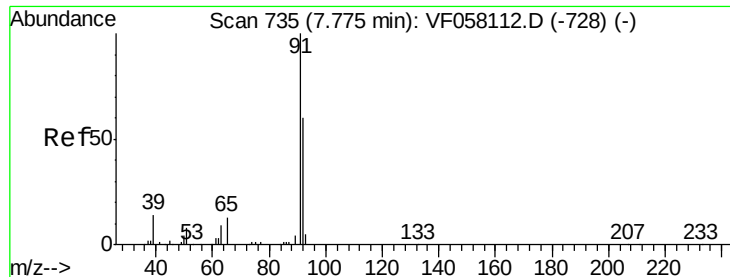
Tot Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 82.3 47.8 71.8#
58 0.0 59.4 89.0#



#50
Toluene-d8
Concen: 52.812 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059242.D
Acq: 20 Jun 2018 22:50

Tgt Ion: 98 Resp: 363217
Ion Ratio Lower Upper
98 100
100 68.3 55.6 83.4

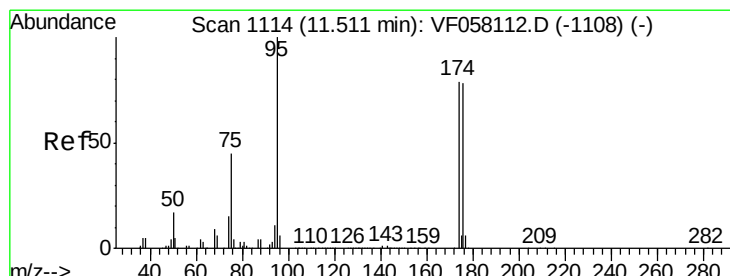
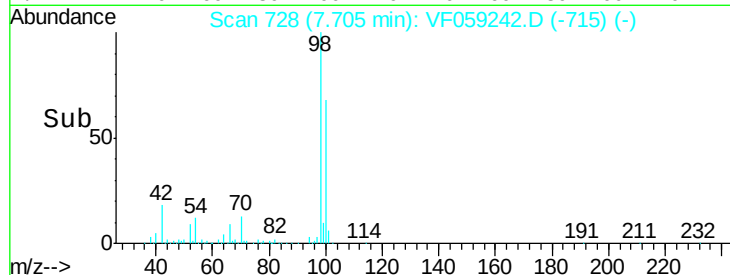
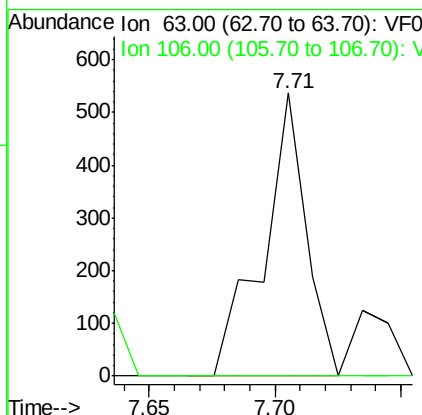
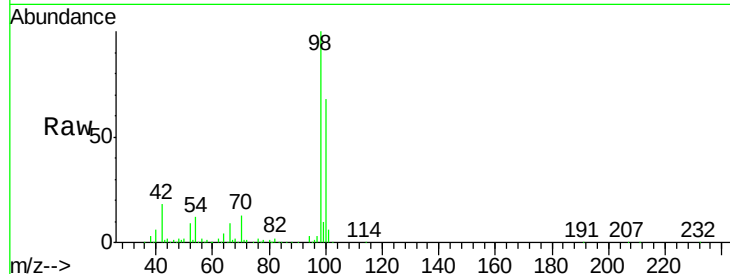




#58
 2-Chloroethyl Vinyl ether
 Concen: 3.636 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. -0.07 min
 Lab File: VF059242.D
 Acq: 20 Jun 2018 22:50

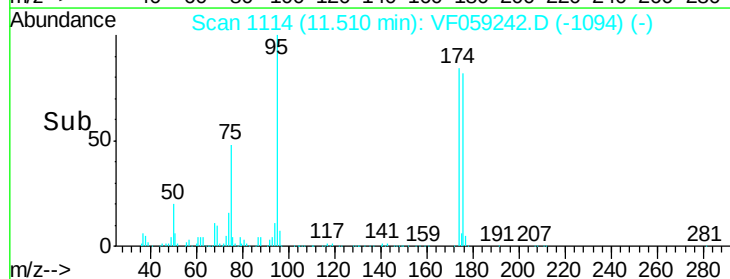
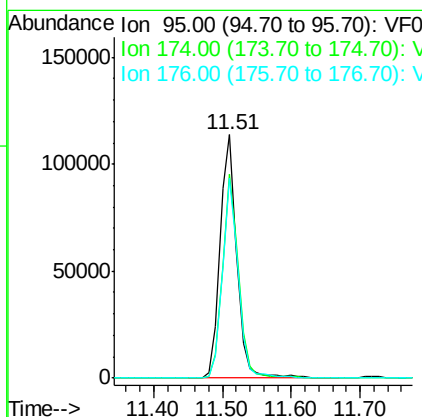
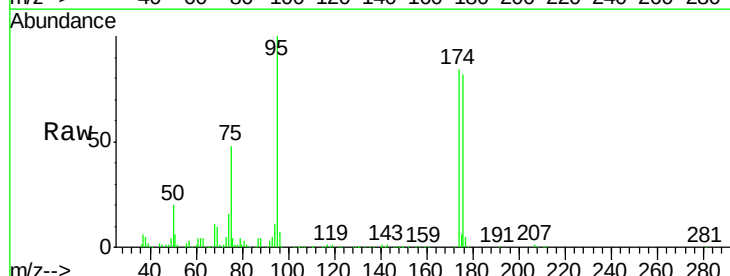
Instrument :
 MSVOA_F
 ClientSampleId :

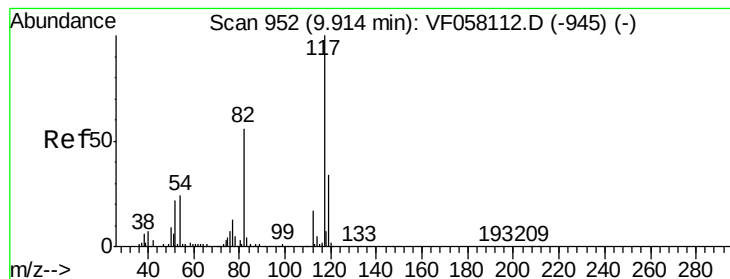
Tot Ion: 63 Resp: 642
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 54.421 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: VF059242.D
 Acq: 20 Jun 2018 22:50

Tgt Ion: 95 Resp: 191971
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 157.8
 176 82.0 0.0 155.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF059242.D

Acq: 20 Jun 2018 22:50

Instrument :

MSVOA_F

ClientSampleId :

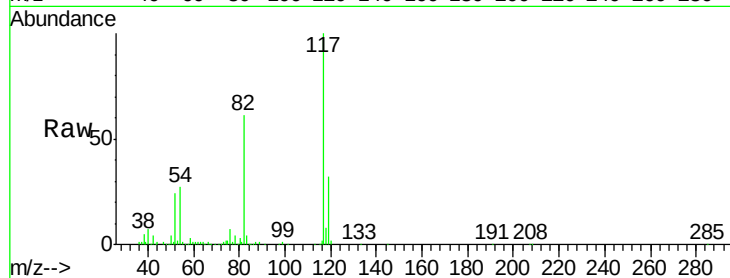
Tot Ion:117 Resp: 323591

Ion Ratio Lower Upper

117 100

82 60.7 45.2 67.8

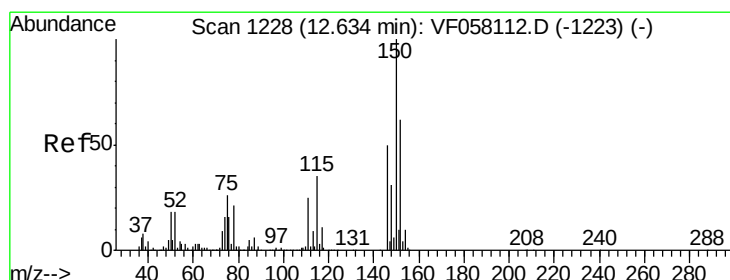
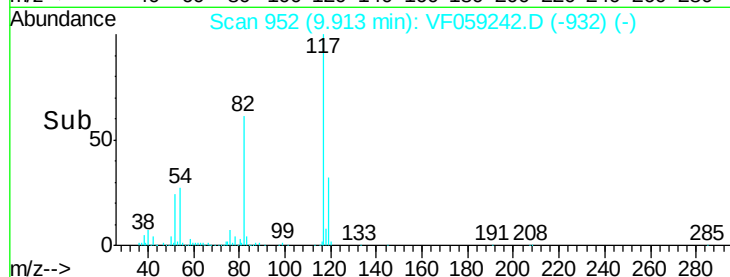
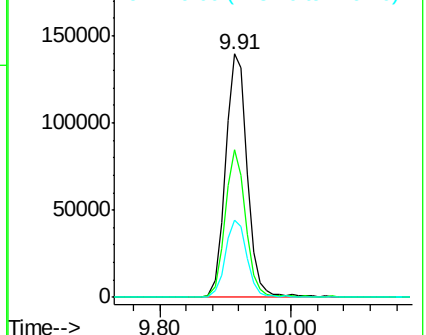
119 31.9 27.5 41.3



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# 1228

Delta R.T. -0.00 min

Lab File: VF059242.D

Acq: 20 Jun 2018 22:50

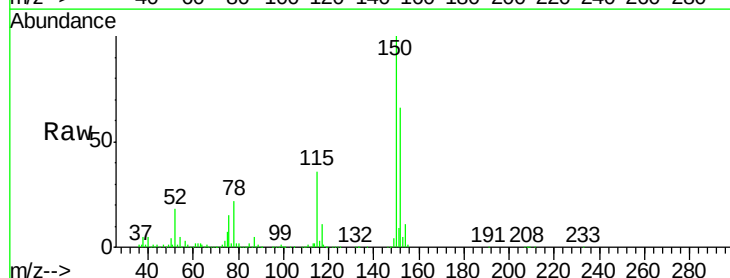
Tgt Ion:152 Resp: 187062

Ion Ratio Lower Upper

152 100

115 54.7 28.5 85.5

150 150.8 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

