

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059192.D
 Acq On : 19 Jun 2018 16:42
 Operator : VA/AP
 Sample : VF0619SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:03:27 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	294699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	435643	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	429279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	274223	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	198269	55.47	ug/l	0.00
Spiked Amount 50.000			Recovery =	110.94%		
35) Dibromofluoromethane	4.28	113	169650	55.50	ug/l	-0.01
Spiked Amount 50.000			Recovery =	111.00%		
50) Toluene-d8	7.70	98	427810	47.64	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.28%		
62) 4-Bromofluorobenzene	11.51	95	248143	53.87	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.74%		

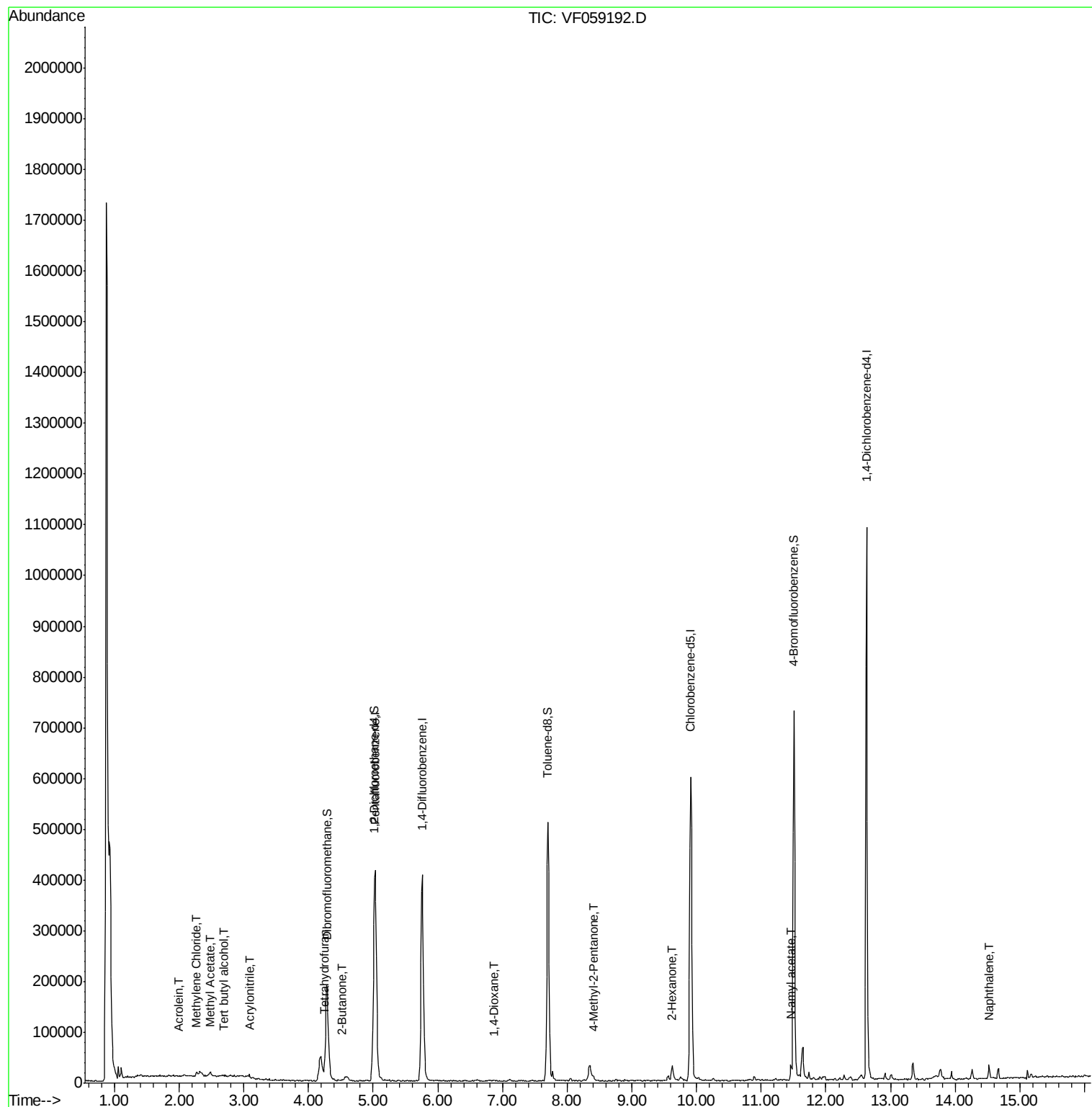
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	1173	5.122	ug/l #	60
13) Acrolein	1.98	56	496	2.502	ug/l	98
15) Acrylonitrile	3.09	53	1734	3.813	ug/l #	30
18) Methyl Acetate	2.48	43	2892	1.971	ug/l #	92
20) Methylene Chloride	2.28	84	2825	1.383	ug/l #	71
25) 2-Butanone	4.52	43	2334	1.764	ug/l	91
29) Tetrahydrofuran	4.24	42	1768	3.033	ug/l #	53
49) 1,4-Dioxane	6.86	88	642	49.449	ug/l #	37
51) 4-Methyl-2-Pentanone	8.40	43	7170	2.994	ug/l #	80
59) 2-Hexanone	9.62	43	26749	14.120	ug/l	92
74) N-amyl acetate	11.46	43	20290	2.992	ug/l	94
89) n-Butylbenzene	12.92	91	5501	Below Cal		91
95) Naphthalene	14.52	128	17262	1.360	ug/l #	96

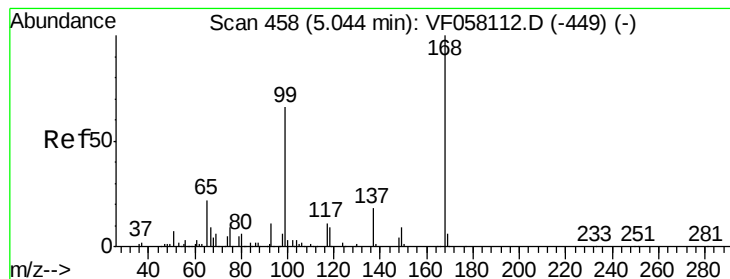
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061918\
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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. -0.00 min

Lab File: VF059192.D

Acq: 19 Jun 2018 16:42

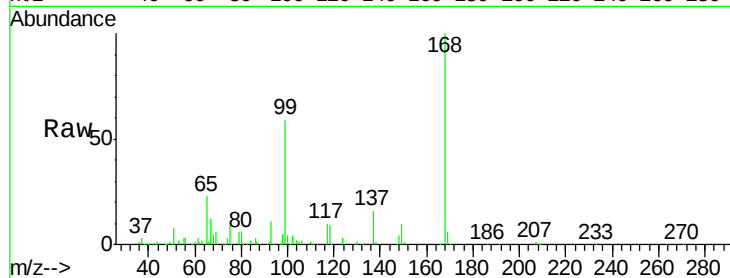
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 294699

Ion Ratio Lower Upper

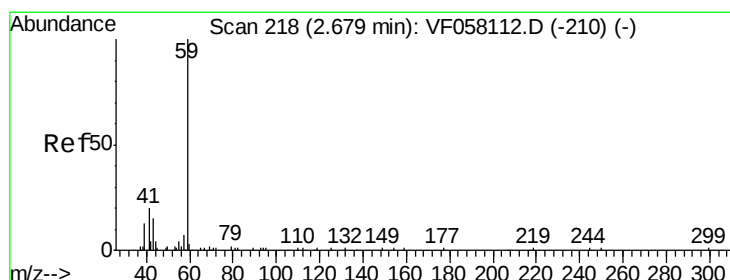
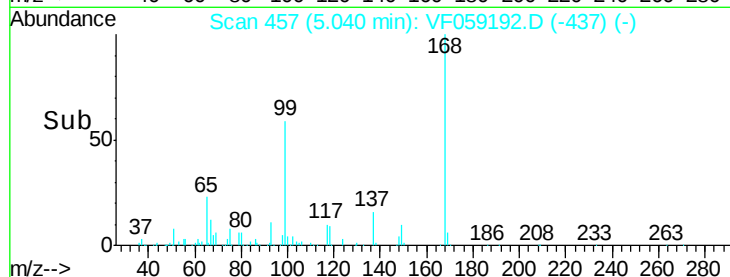
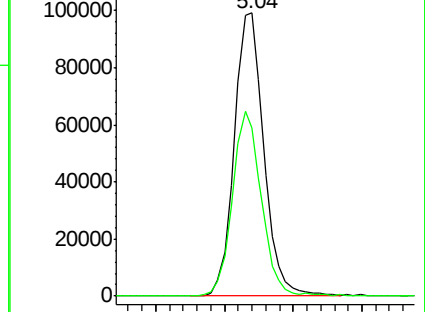
168 100

99 59.2 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 5.122 ug/l

RT: 2.68 min Scan# 218

Delta R.T. 0.01 min

Lab File: VF059192.D

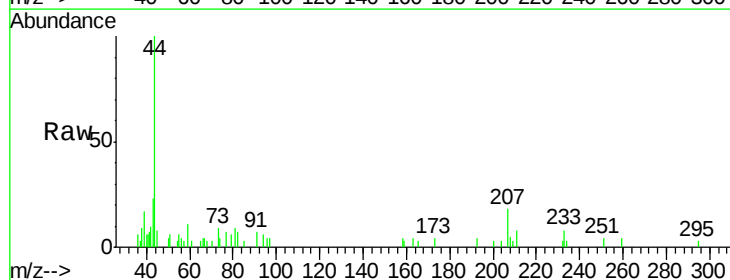
Acq: 19 Jun 2018 16:42

Tgt Ion: 59 Resp: 1173

Ion Ratio Lower Upper

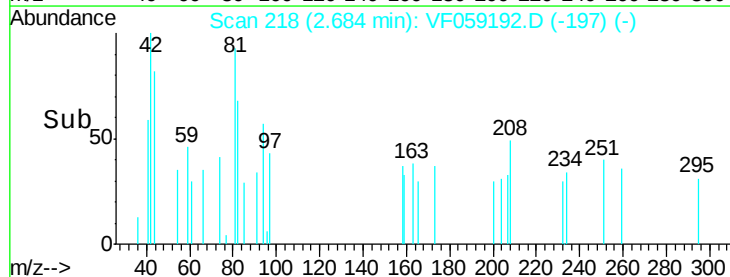
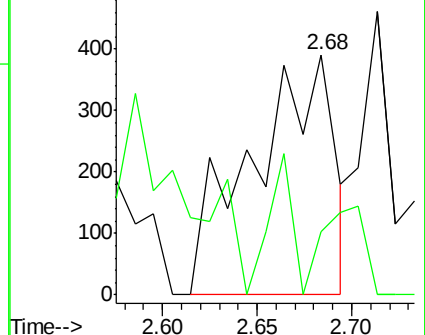
59 100

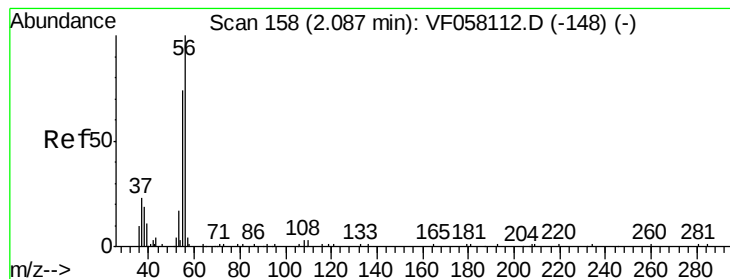
57 26.1 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 2.502 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.10 min

Lab File: VF059192.D

Acq: 19 Jun 2018 16:42

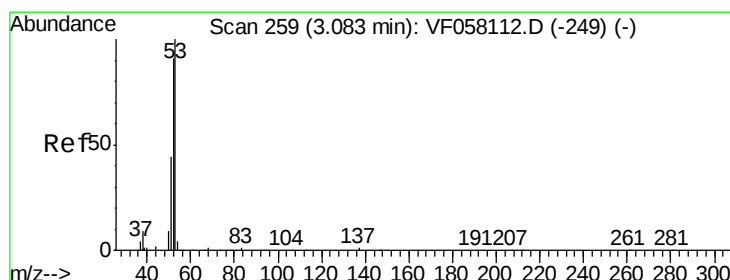
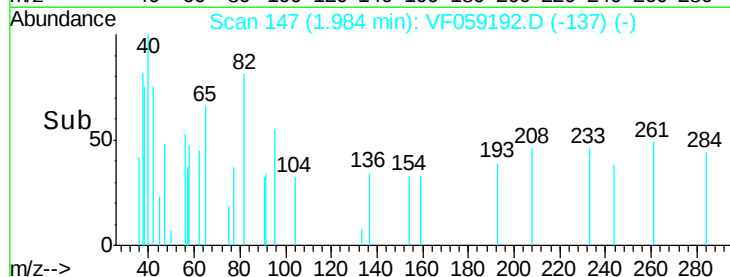
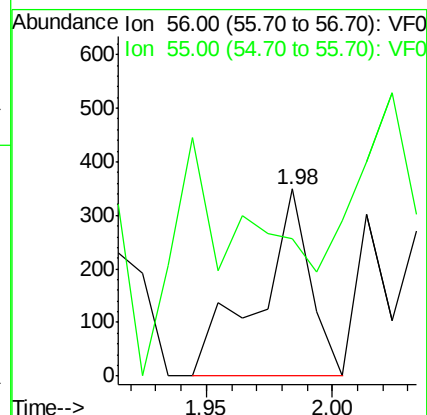
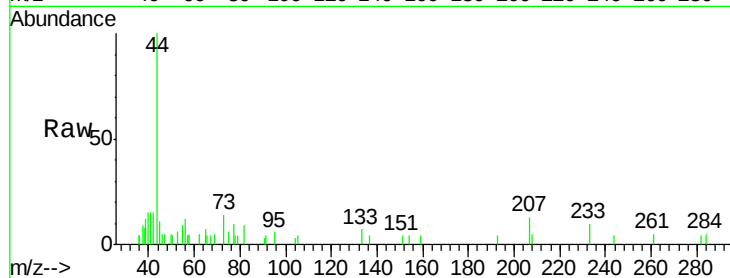
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 496

Ion Ratio Lower Upper

56 100

55 73.6 60.0 90.0



#15

Acrylonitrile

Concen: 3.813 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF059192.D

Acq: 19 Jun 2018 16:42

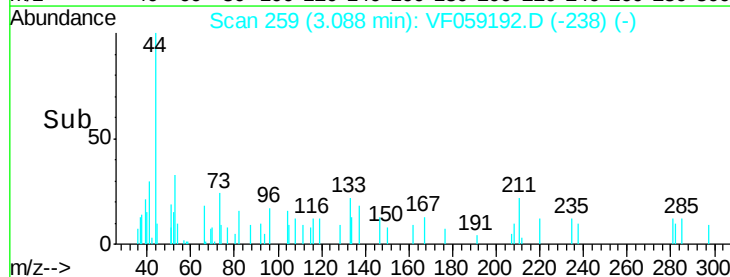
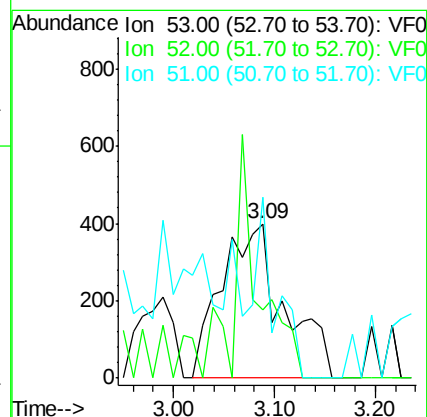
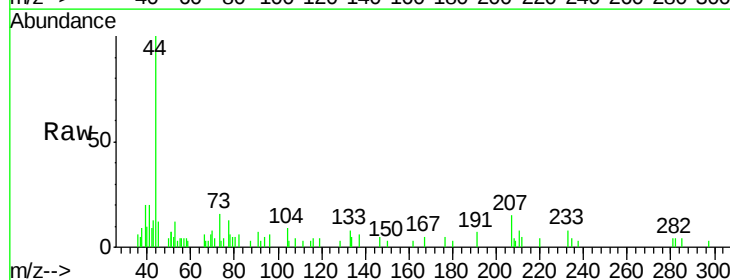
Tgt Ion: 53 Resp: 1734

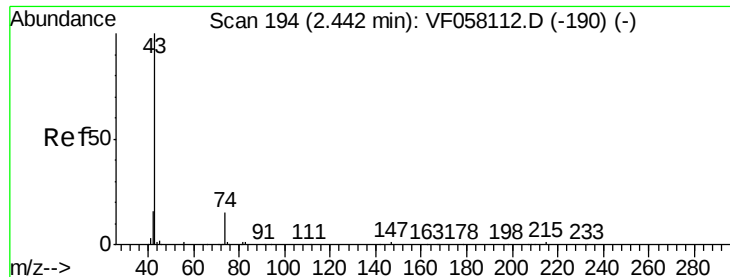
Ion Ratio Lower Upper

53 100

52 44.5 73.2 109.8#

51 117.3 35.6 53.4#

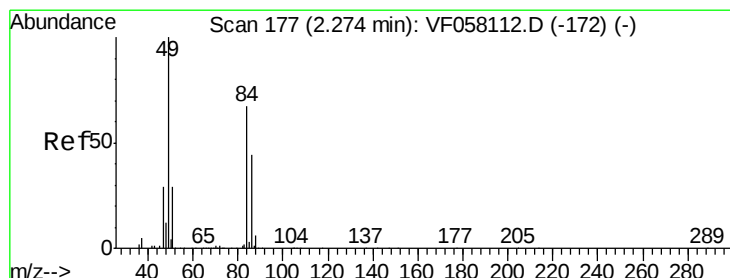
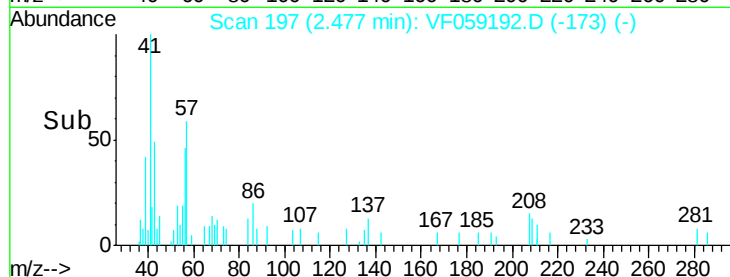
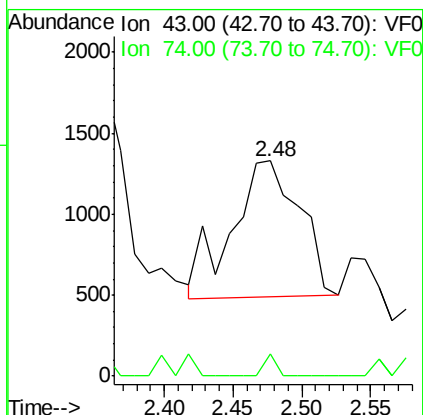
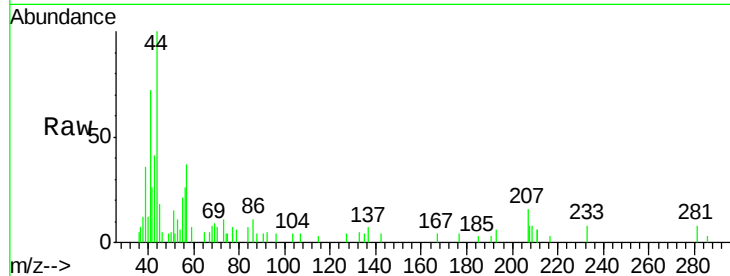




#18
Methyl Acetate
Concen: 1.971 ug/l
RT: 2.48 min Scan# 197
Delta R.T. 0.03 min
Lab File: VF059192.D
Acq: 19 Jun 2018 16:42

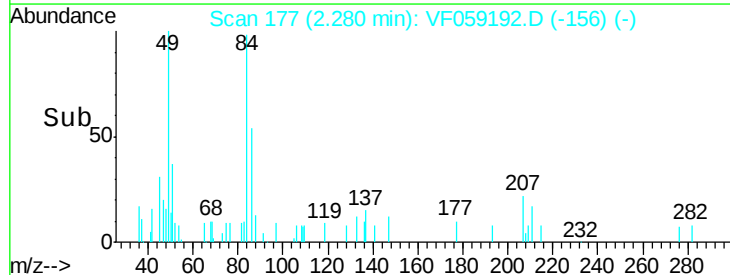
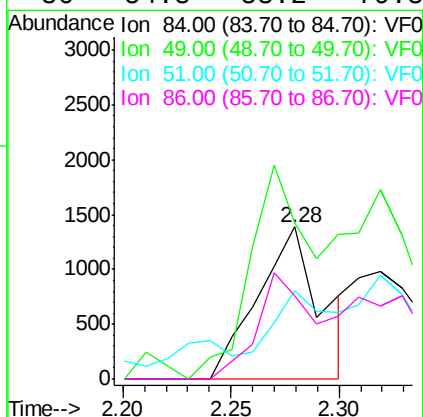
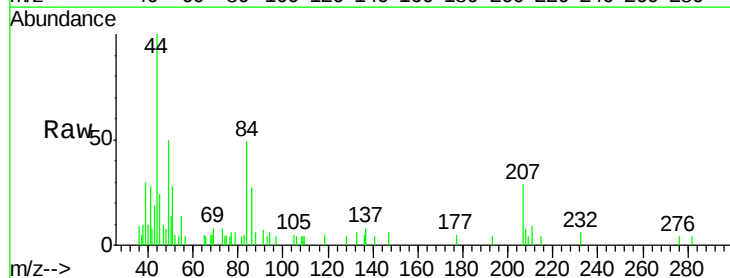
Instrument :
MSVOA_F
ClientSampleId :

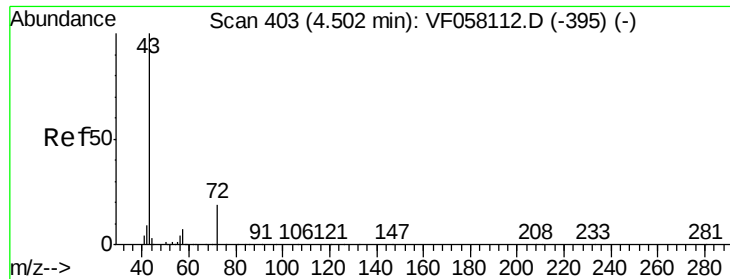
Tot Ion: 43 Resp: 2892
Ion Ratio Lower Upper
43 100
74 10.4 10.9 16.3#



#20
Methylene Chloride
Concen: 1.383 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059192.D
Acq: 19 Jun 2018 16:42

Tgt Ion: 84 Resp: 2825
Ion Ratio Lower Upper
84 100
49 102.2 121.0 181.4#
51 58.2 35.8 53.6#
86 54.8 53.2 79.8





#25

2-Butanone

Concen: 1.764 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.02 min

Lab File: VF059192.D

Acq: 19 Jun 2018 16:42

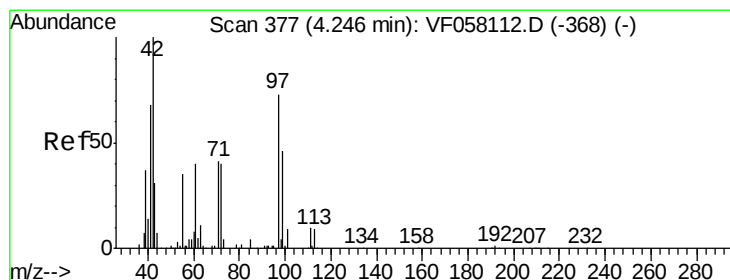
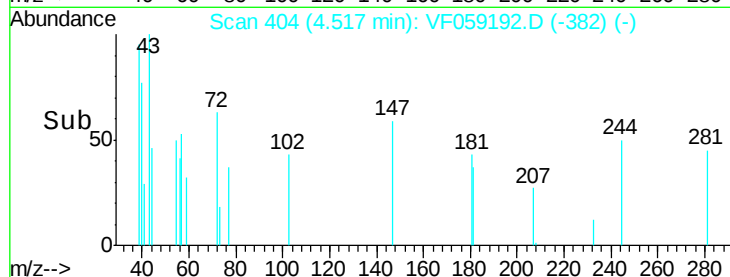
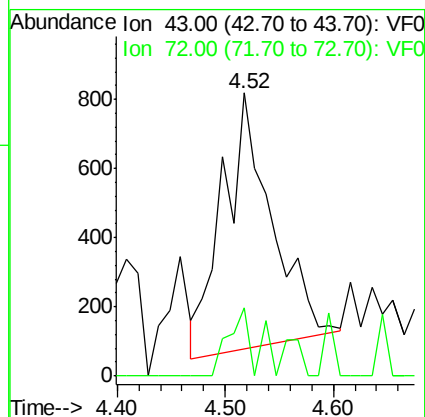
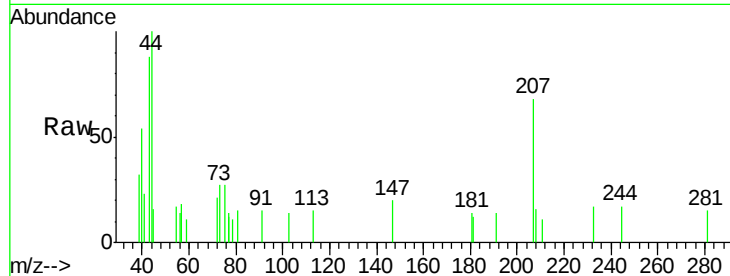
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 2334

Ion Ratio Lower Upper

43 100

72 24.1 16.1 24.1



#29

Tetrahydrofuran

Concen: 3.033 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF059192.D

Acq: 19 Jun 2018 16:42

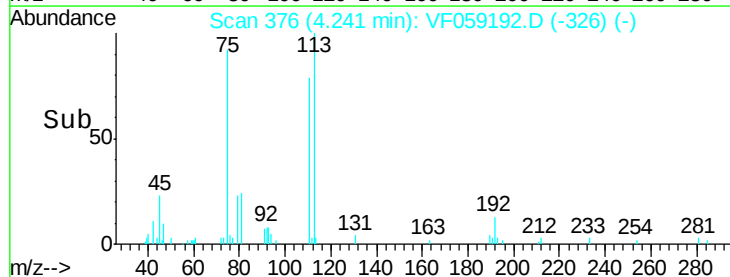
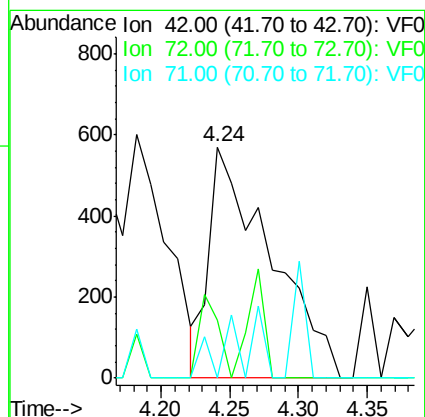
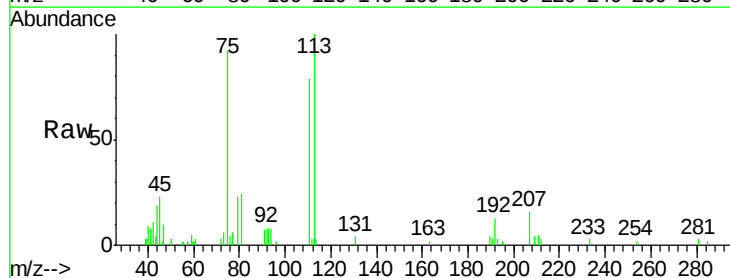
Tgt Ion: 42 Resp: 1768

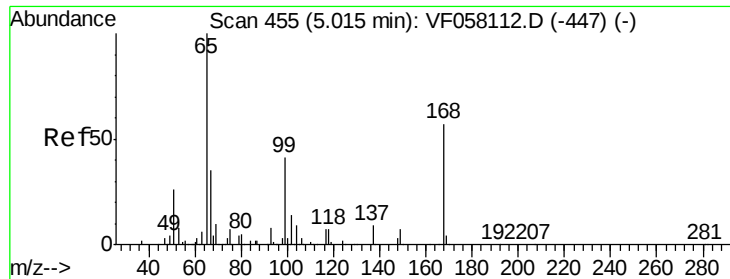
Ion Ratio Lower Upper

42 100

72 11.7 30.5 45.7#

71 8.6 31.5 47.3#





#33

1,2-Dichloroethane-d4

Concen: 55.474 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059192.D

Acq: 19 Jun 2018 16:42

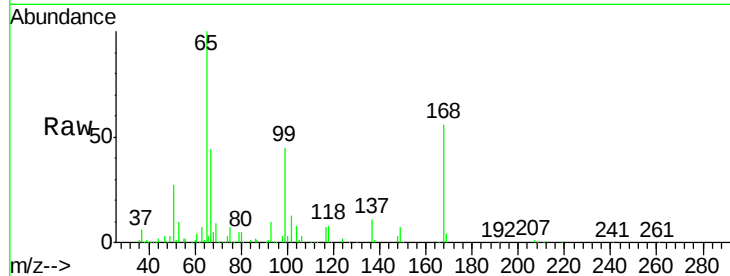
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 198269

Ion Ratio Lower Upper

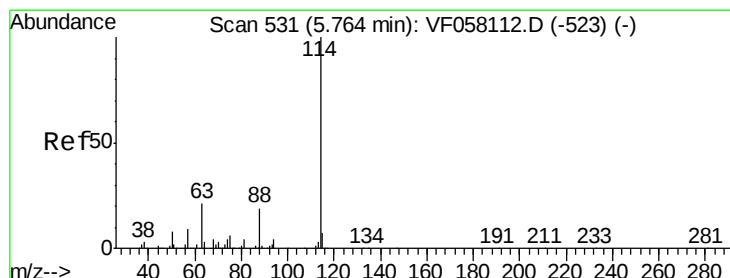
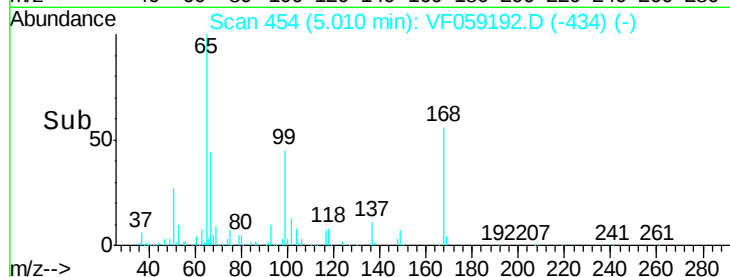
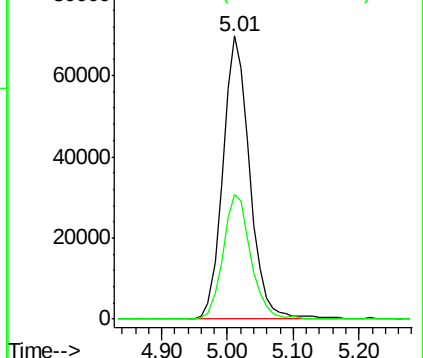
65 100

67 43.9 0.0 97.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059192.D

Acq: 19 Jun 2018 16:42

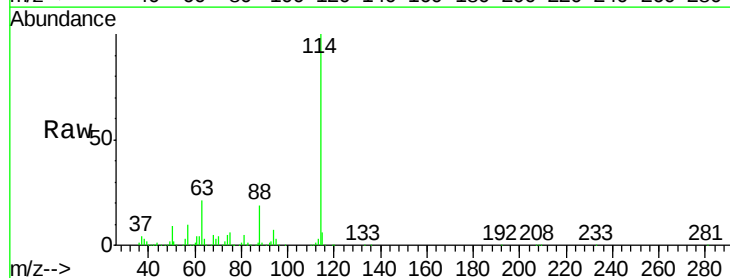
Tgt Ion: 114 Resp: 435643

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.6

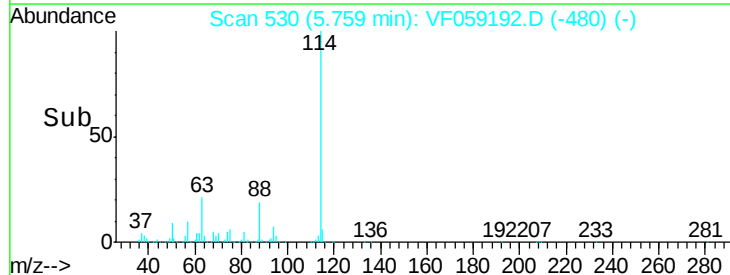
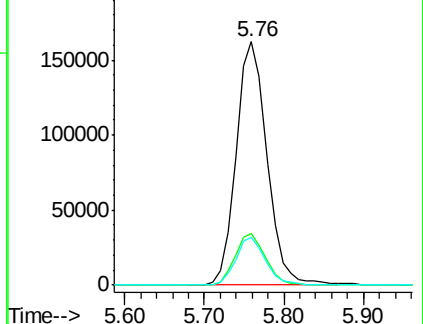
88 19.5 0.0 38.8

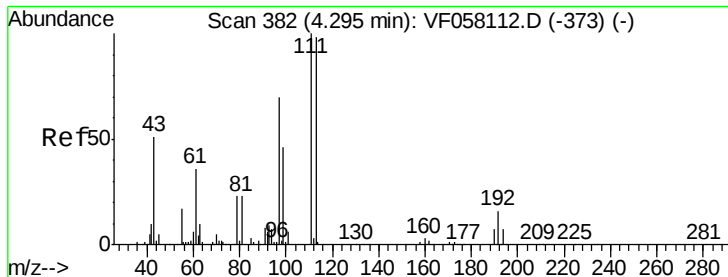


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 55.499 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059192.D

Acq: 19 Jun 2018 16:42

Instrument :

MSVOA_F

ClientSampleId :

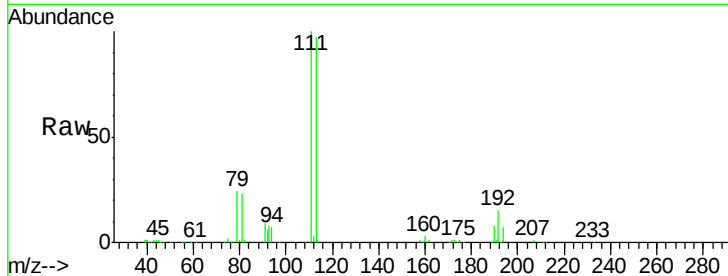
Tot Ion:113 Resp: 169650

Ion Ratio Lower Upper

113 100

111 103.6 81.3 121.9

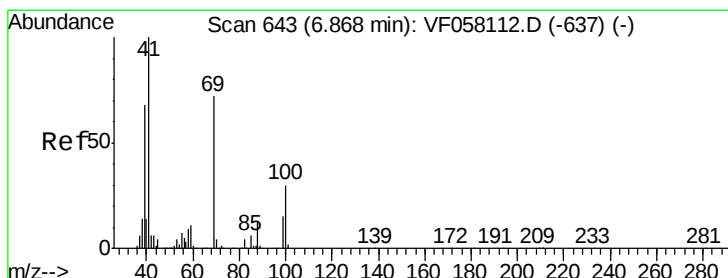
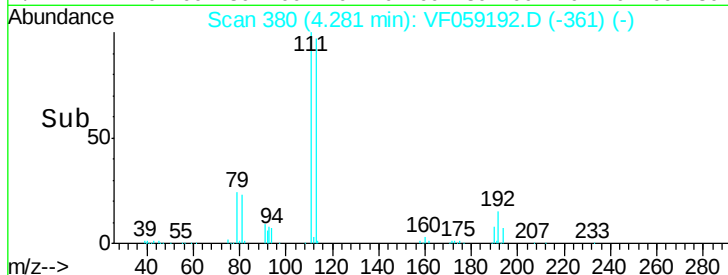
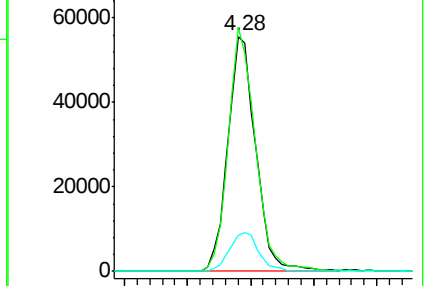
192 15.6 12.7 19.1



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: 49.449 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059192.D

Acq: 19 Jun 2018 16:42

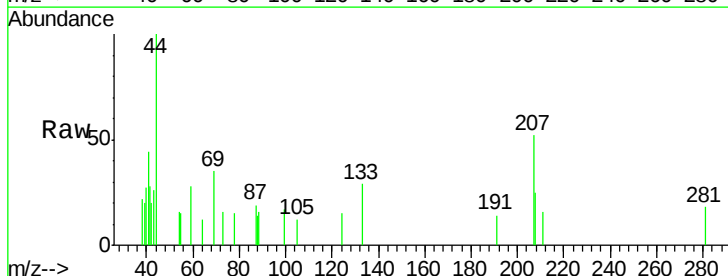
Tgt Ion: 88 Resp: 642

Ion Ratio Lower Upper

88 100

43 83.9 47.8 71.8#

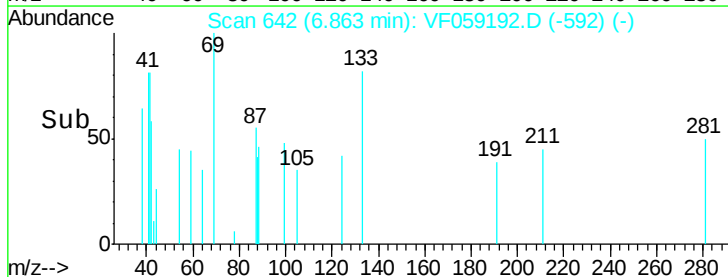
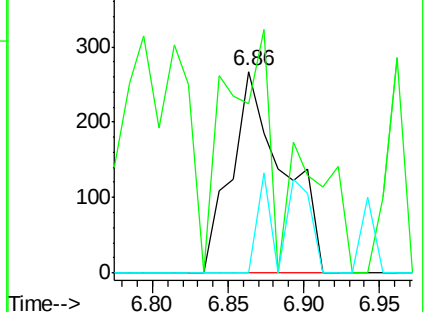
58 0.0 59.4 89.0#

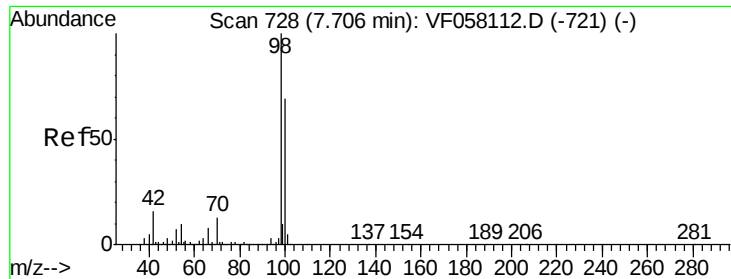


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 47.639 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059192.D

Acq: 19 Jun 2018 16:42

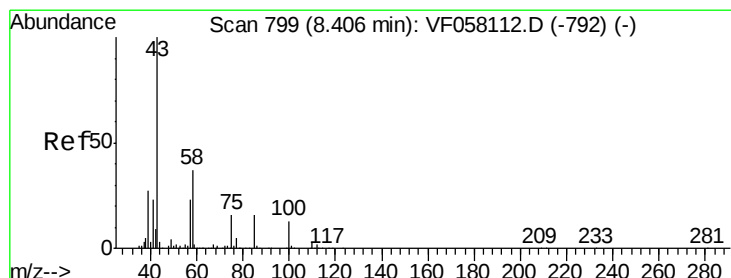
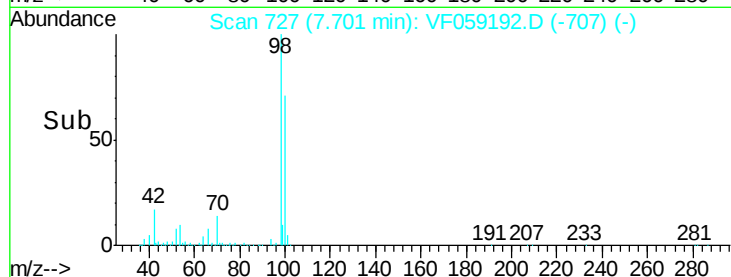
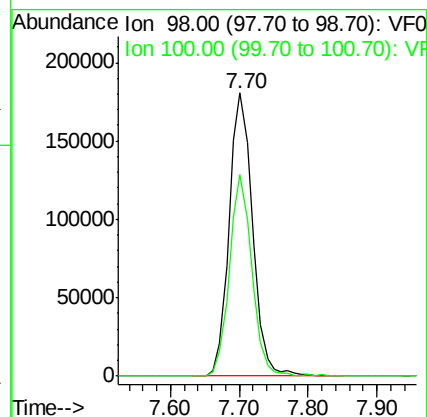
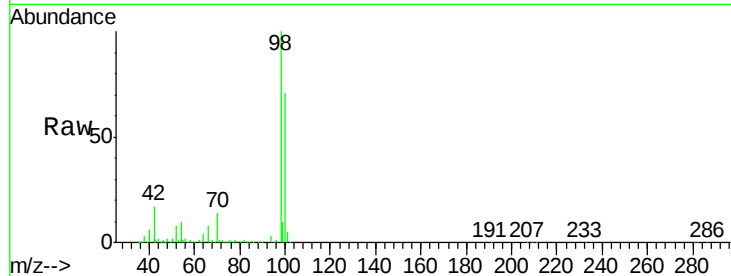
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 98 Resp: 427810

Ion Ratio Lower Upper

98 100

100 71.1 55.6 83.4



#51

4-Methyl-2-Pentanone

Concen: 2.994 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF059192.D

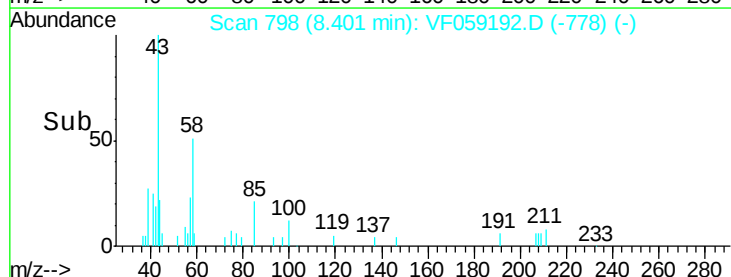
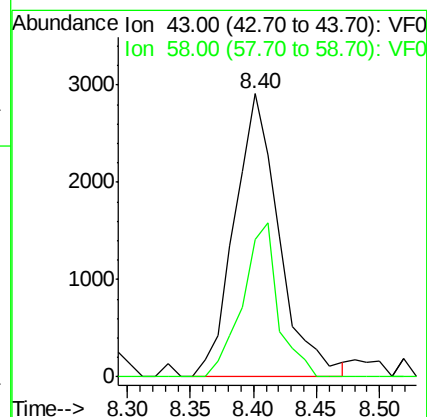
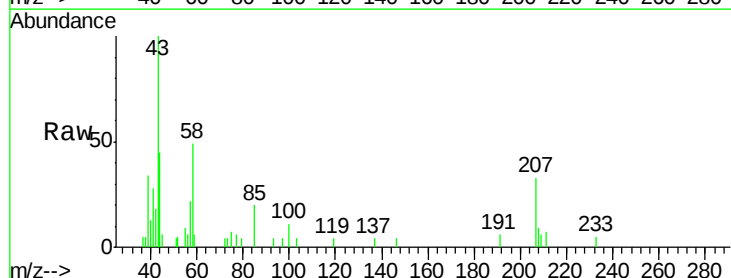
Acq: 19 Jun 2018 16:42

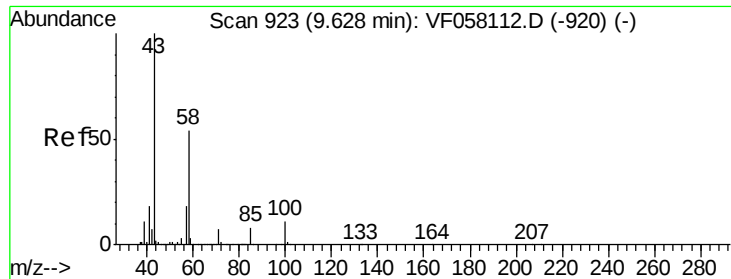
Tgt Ion: 43 Resp: 7170

Ion Ratio Lower Upper

43 100

58 48.8 29.4 44.0#

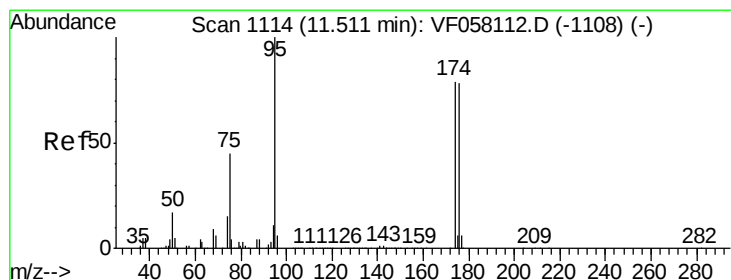
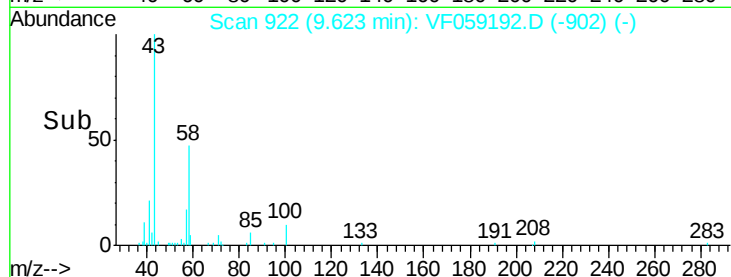
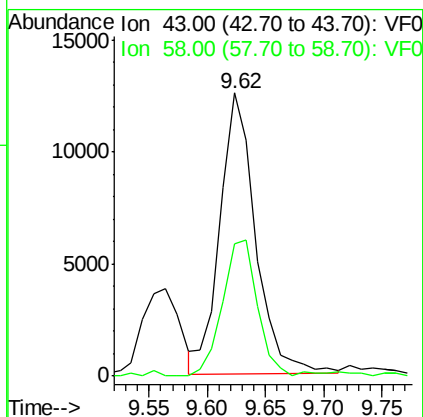
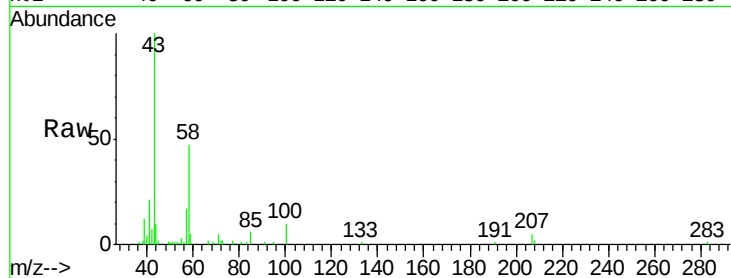




#59
2-Hexanone
Concen: 14.120 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059192.D
Acq: 19 Jun 2018 16:42

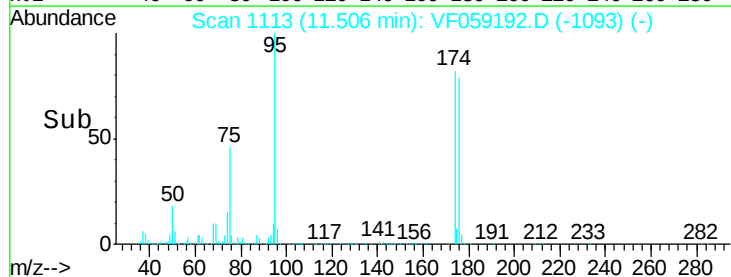
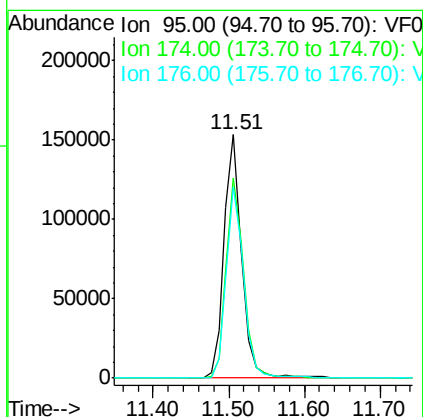
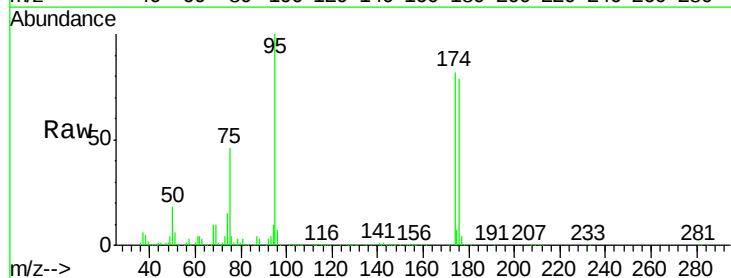
Instrument :
MSVOA_F
ClientSampled :

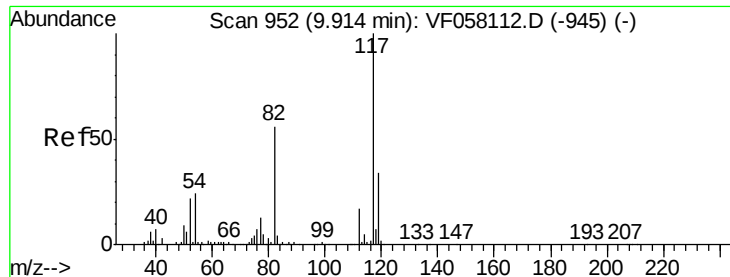
Tot Ion: 43 Resp: 26749
Ion Ratio Lower Upper
43 100
58 46.8 26.3 78.8



#62
4-Bromofluorobenzene
Concen: 53.874 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059192.D
Acq: 19 Jun 2018 16:42

Tgt Ion: 95 Resp: 248143
Ion Ratio Lower Upper
95 100
174 82.4 0.0 157.8
176 78.8 0.0 155.8

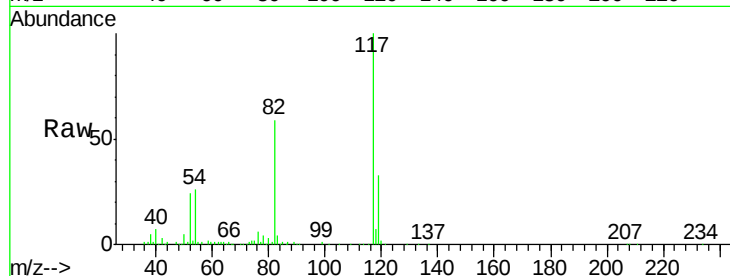




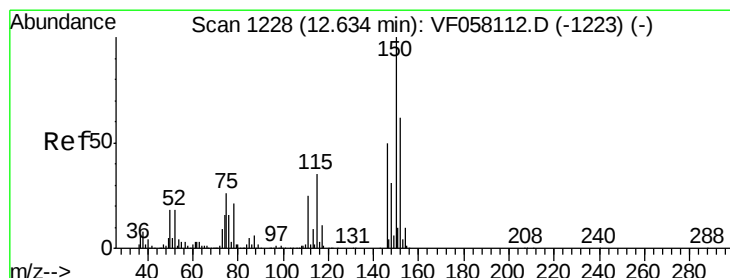
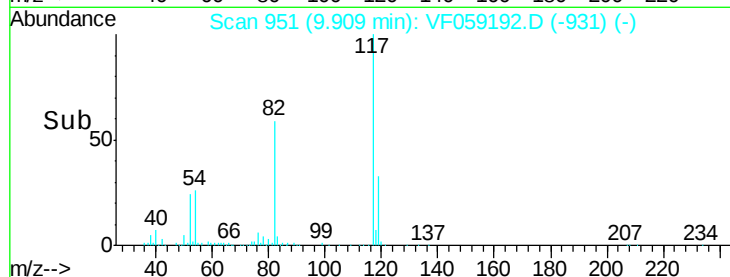
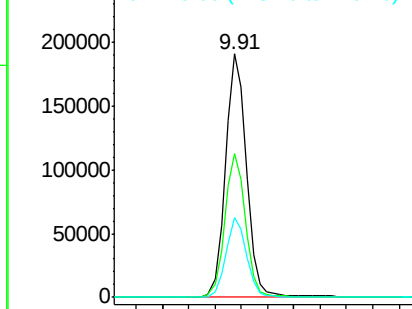
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059192.D
Acq: 19 Jun 2018 16:42

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 429279
Ion Ratio Lower Upper
117 100
82 58.8 45.2 67.8
119 32.6 27.5 41.3

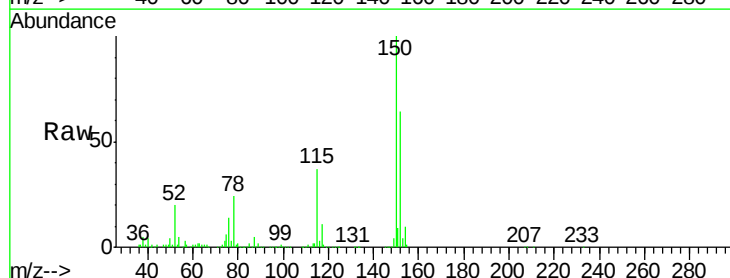


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

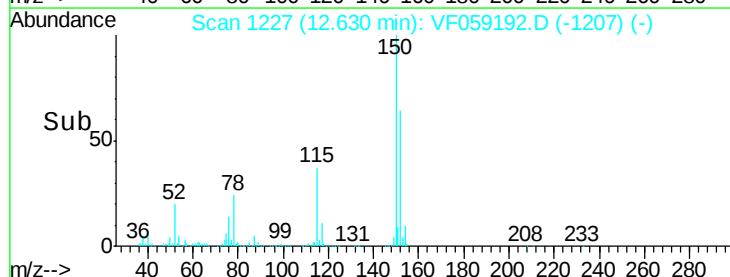
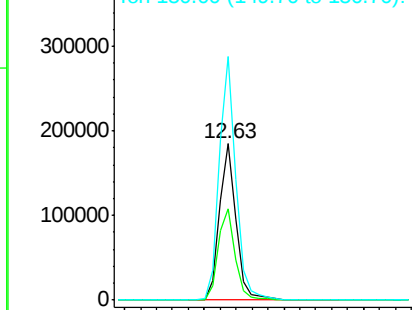


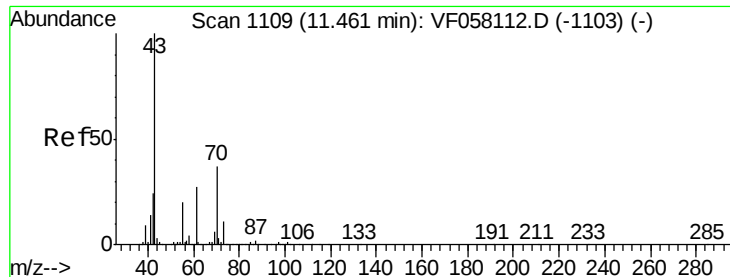
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059192.D
Acq: 19 Jun 2018 16:42

Tgt Ion:152 Resp: 274223
Ion Ratio Lower Upper
152 100
115 58.3 28.5 85.5
150 155.6 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





#74

N-amyl acetate

Concen: 2.992 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059192.D

Acq: 19 Jun 2018 16:42

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 20290

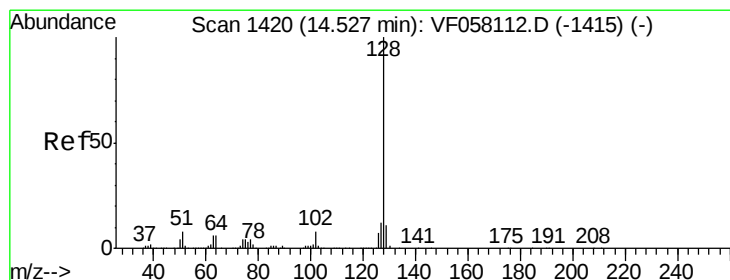
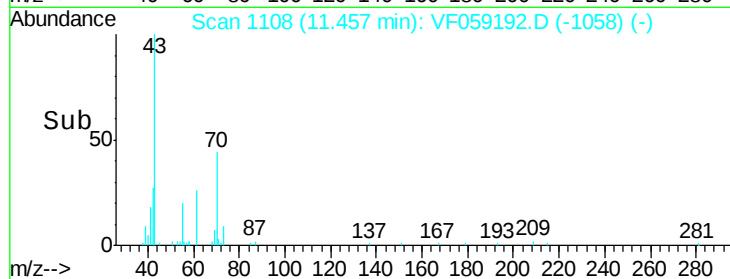
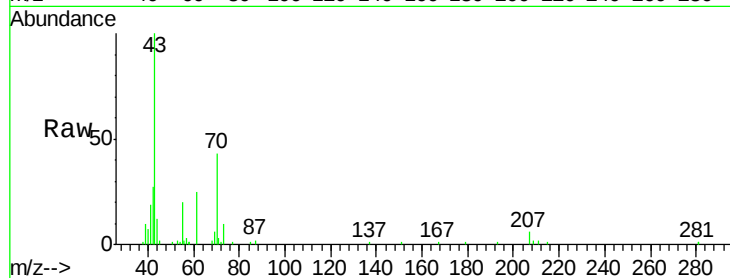
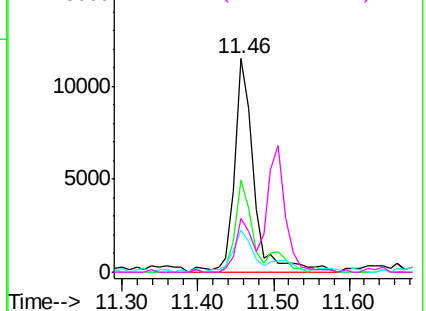
Ion	Ratio	Lower	Upper
43	100		
70	43.4	29.2	43.8
55	19.7	15.8	23.6
61	25.0	21.3	31.9

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#95

Naphthalene

Concen: 1.360 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059192.D

Acq: 19 Jun 2018 16:42

Tgt Ion: 128 Resp: 17262

Ion	Ratio	Lower	Upper
128	100		
127	13.4	9.9	14.9
129	8.6	8.7	13.1#

Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

