

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059204.D
 Acq On : 19 Jun 2018 22:25
 Operator : VA/AP
 Sample : J3538-01RE
 Misc : 5.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:05:59 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	244104	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	399003	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	322990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	152528	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	162501	54.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.78%	
35) Dibromofluoromethane	4.28	113	156757	55.99	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	111.98%	
50) Toluene-d8	7.70	98	330497	40.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.36%	
62) 4-Bromofluorobenzene	11.50	95	147390	34.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.88%	

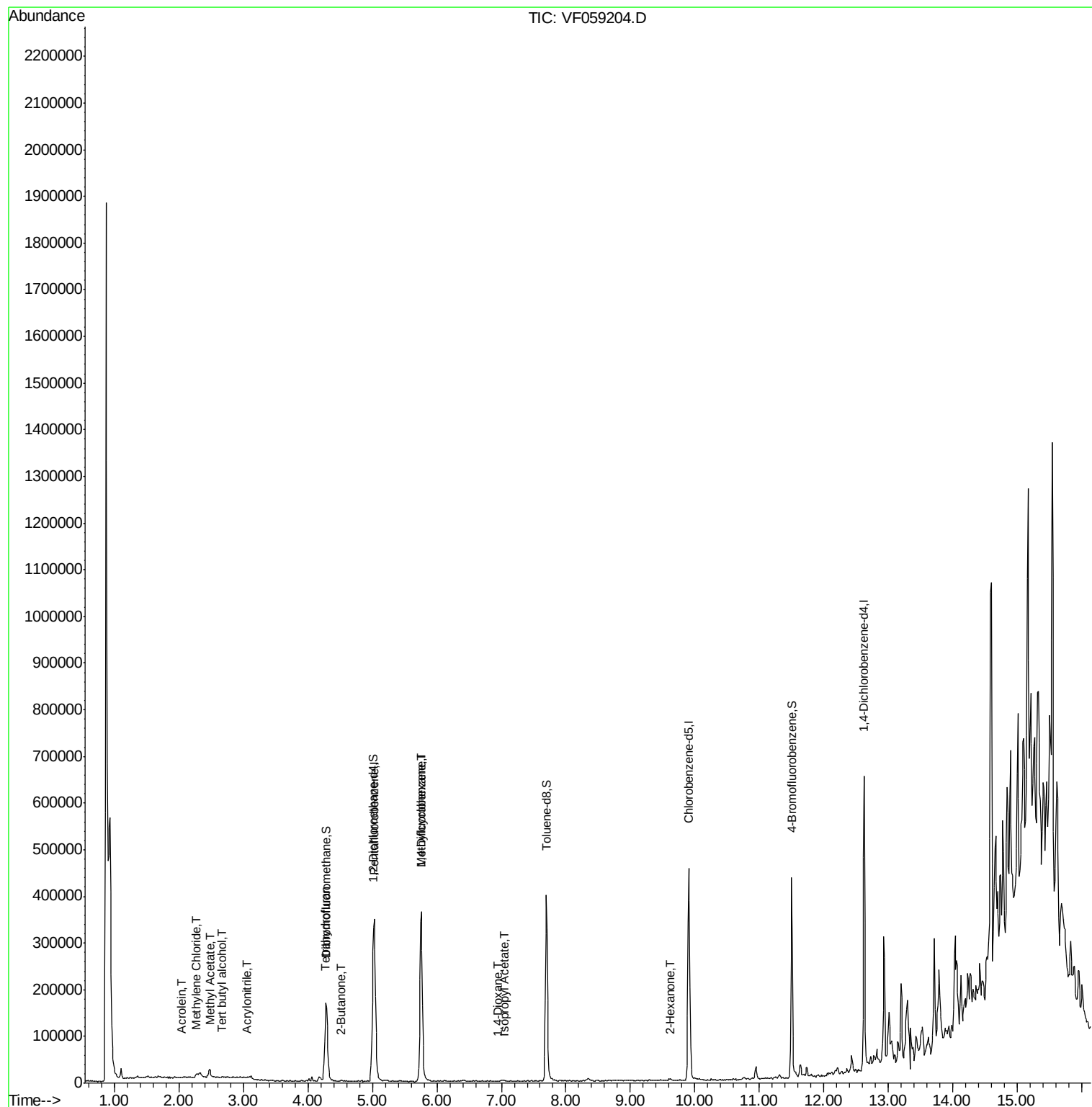
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.66	59	382	2.014	ug/l #	1
13) Acrolein	2.05	56	501	3.051	ug/l	94
15) Acrylonitrile	3.05	53	629	1.670	ug/l #	13
18) Methyl Acetate	2.46	43	9850	8.106	ug/l #	81
20) Methylene Chloride	2.28	84	6934	4.097	ug/l #	73
25) 2-Butanone	4.51	43	3023	2.759	ug/l #	91
29) Tetrahydrofuran	4.26	42	1010	2.092	ug/l #	47
39) Methylcyclohexane	5.75	83	4437	1.125	ug/l #	46
43) Isopropyl Acetate	7.05	43	4916	1.536	ug/l #	44
49) 1,4-Dioxane	6.95	88	59	16.750	ug/l #	1
59) 2-Hexanone	9.62	43	1886	1.087	ug/l	65
89) n-Butylbenzene	12.91	91	5284	Below Cal	#	55

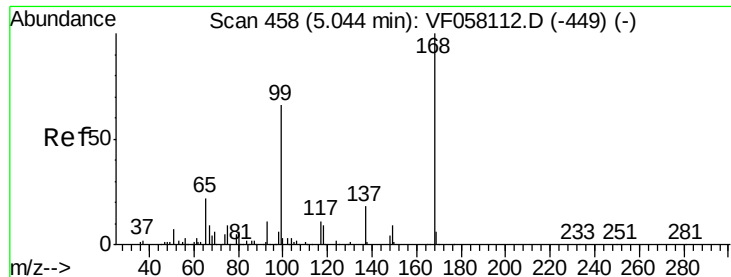
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061918\
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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. -0.02 min

Lab File: VF059204.D

Acq: 19 Jun 2018 22:25

Instrument :

MSVOA_F

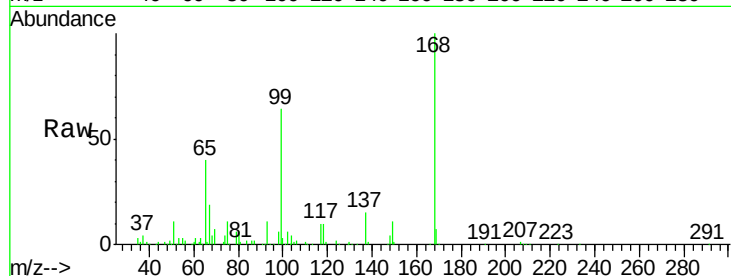
ClientSampleId :

Tot Ion:168 Resp: 244104

Ion Ratio Lower Upper

168 100

99 64.3 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

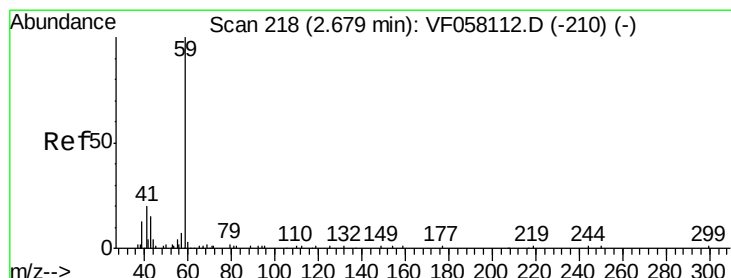
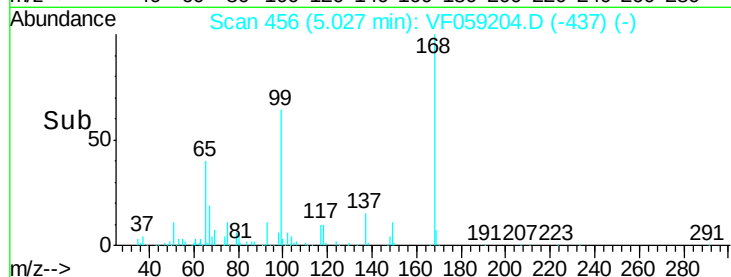
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#11

Tert butyl alcohol

Concen: 2.014 ug/l

RT: 2.66 min Scan# 216

Delta R.T. -0.02 min

Lab File: VF059204.D

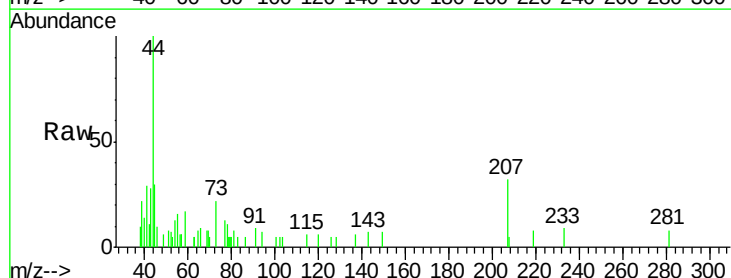
Acq: 19 Jun 2018 22:25

Tgt Ion: 59 Resp: 382

Ion Ratio Lower Upper

59 100

57 68.1 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.66

400

300

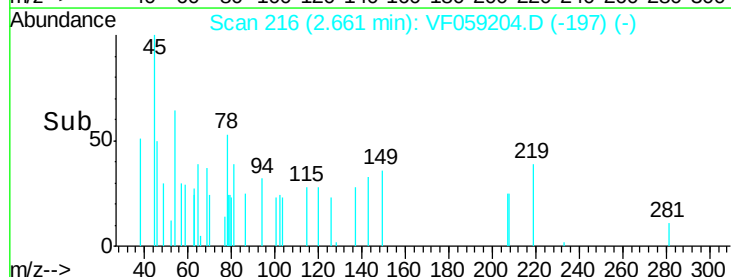
200

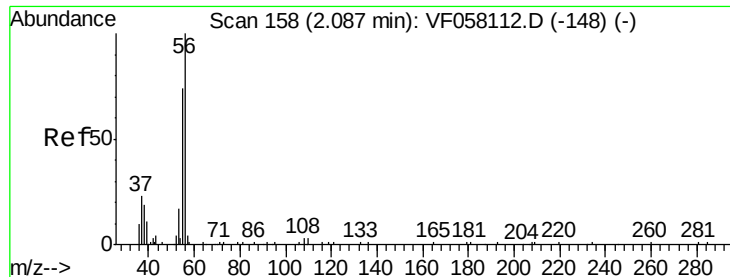
100

0

2.60 2.65 2.70

Time-->

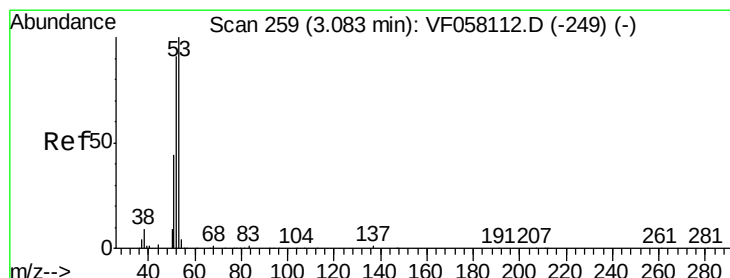
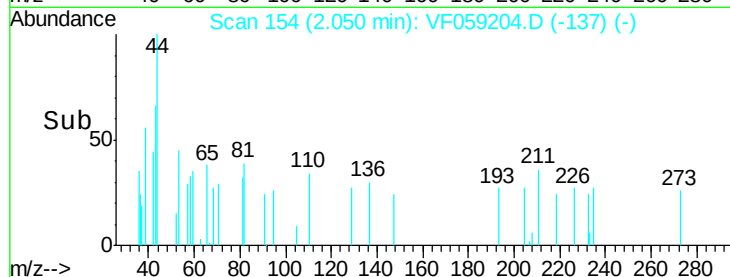
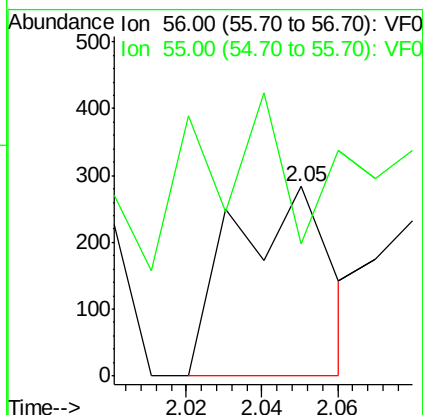
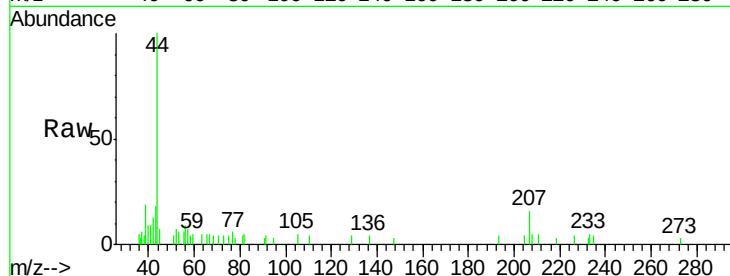




#13
Acrolein
Concen: 3.051 ug/l
RT: 2.05 min Scan# 154
Delta R.T. -0.04 min
Lab File: VF059204.D
Acq: 19 Jun 2018 22:25

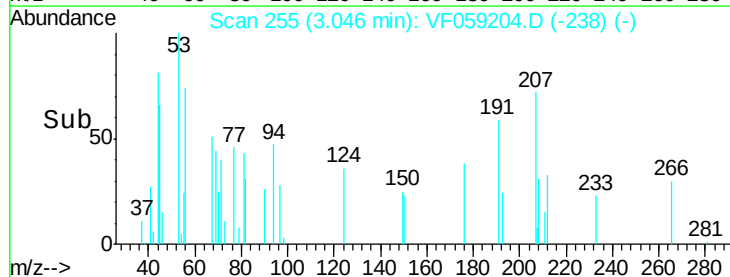
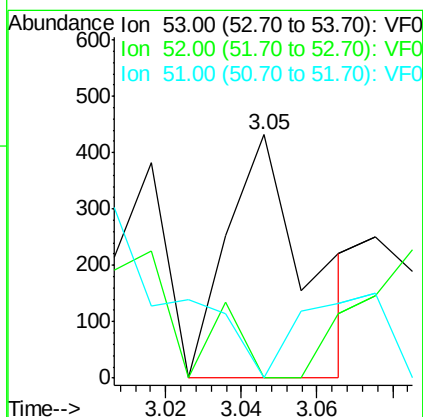
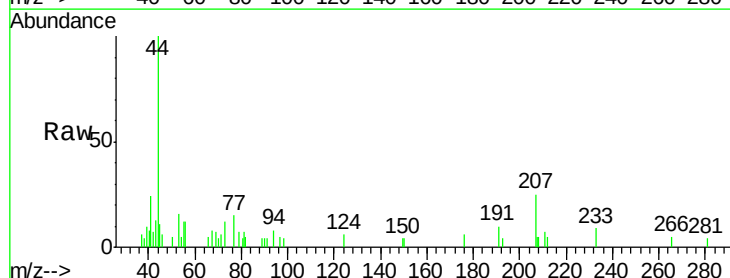
Instrument :
MSVOA_F
ClientSampled :

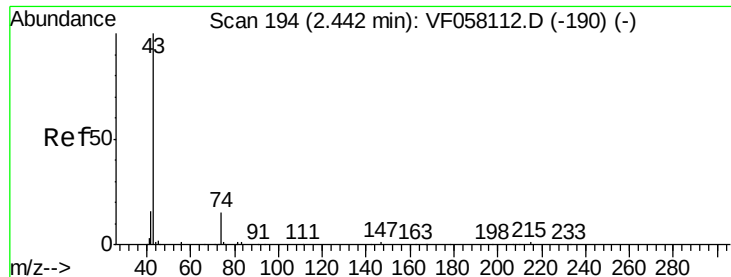
Tot Ion: 56 Resp: 501
Ion Ratio Lower Upper
56 100
55 69.6 60.0 90.0



#15
Acrylonitrile
Concen: 1.670 ug/l
RT: 3.05 min Scan# 255
Delta R.T. -0.04 min
Lab File: VF059204.D
Acq: 19 Jun 2018 22:25

Tgt Ion: 53 Resp: 629
Ion Ratio Lower Upper
53 100
52 0.0 73.2 109.8#
51 0.0 35.6 53.4#

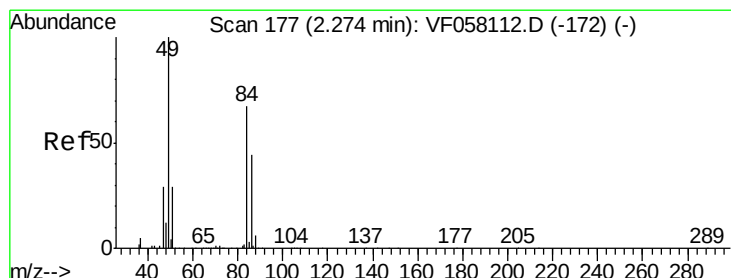
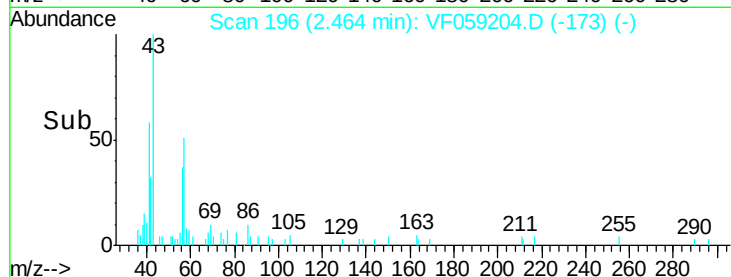
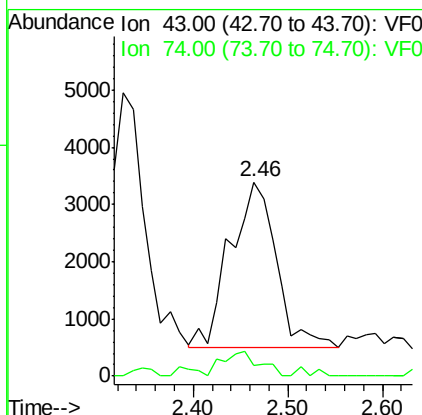
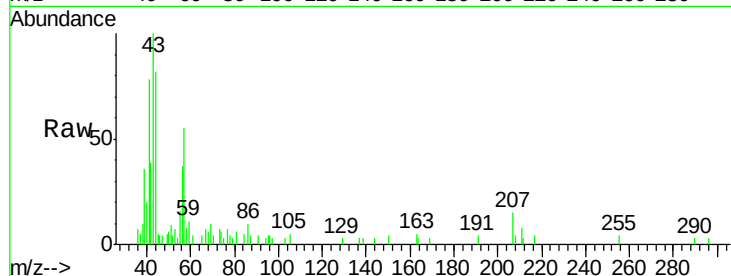




#18
Methvl Acetate
Concen: 8.106 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.02 min
Lab File: VF059204.D
Acq: 19 Jun 2018 22:25

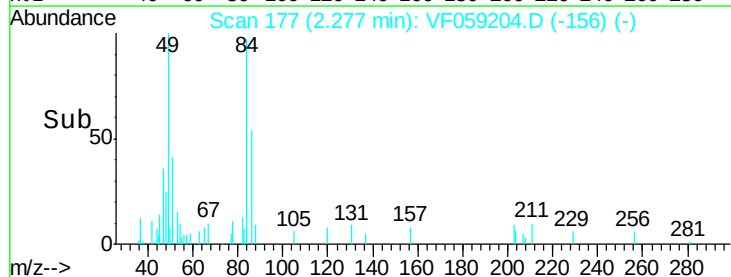
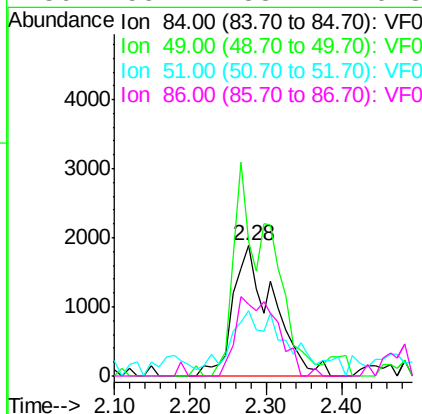
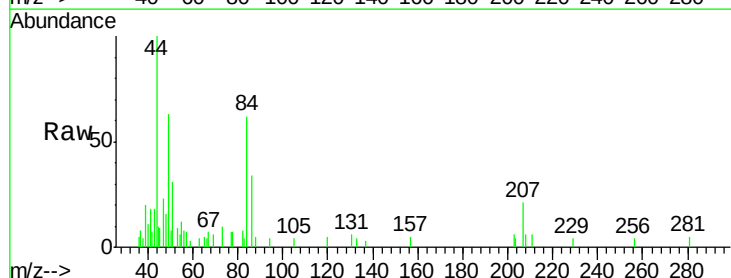
Instrument :
MSVOA_F
ClientSampled :

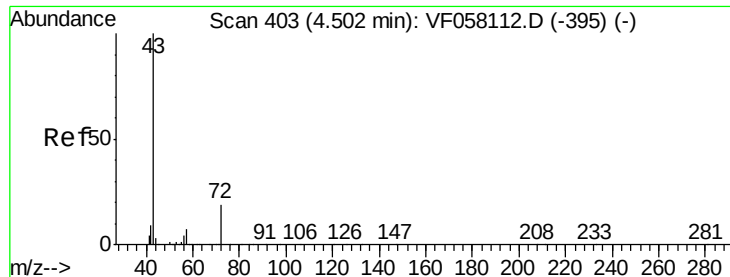
Tot Ion: 43 Resp: 9850
Ion Ratio Lower Upper
43 100
74 5.7 10.9 16.3#



#20
Methylene Chloride
Concen: 4.097 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059204.D
Acq: 19 Jun 2018 22:25

Tgt Ion: 84 Resp: 6934
Ion Ratio Lower Upper
84 100
49 102.8 121.0 181.4#
51 50.1 35.8 53.6
86 55.1 53.2 79.8





#25

2-Butanone

Concen: 2.759 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059204.D

Acq: 19 Jun 2018 22:25

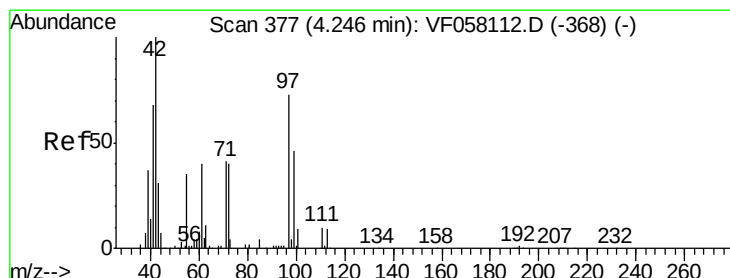
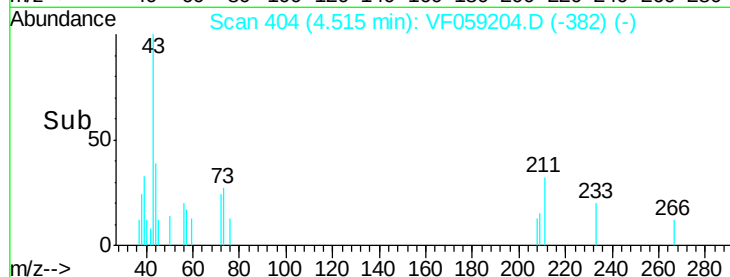
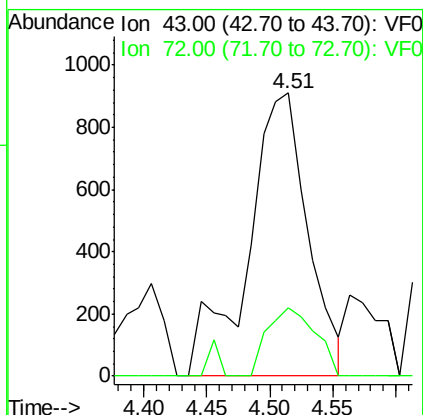
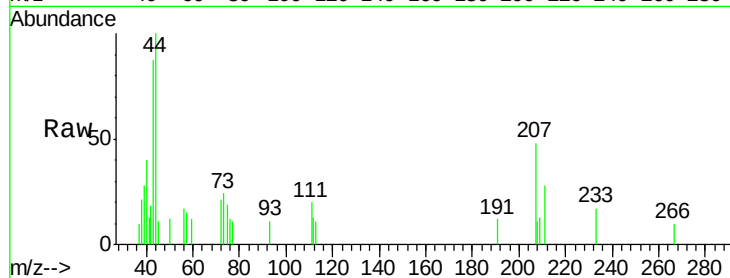
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 3023

Ion Ratio Lower Upper

43 100

72 24.3 16.1 24.1#



#29

Tetrahydrofuran

Concen: 2.092 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF059204.D

Acq: 19 Jun 2018 22:25

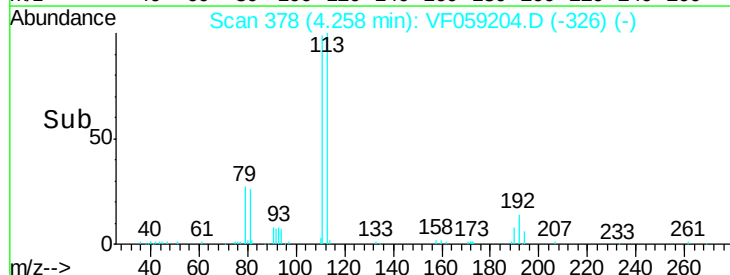
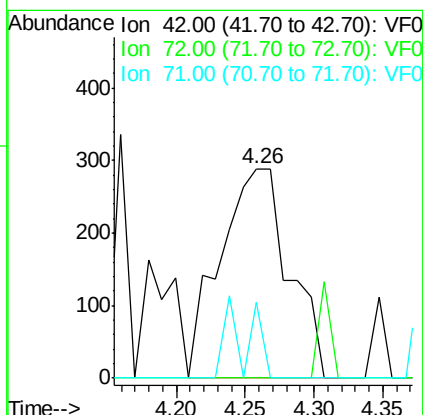
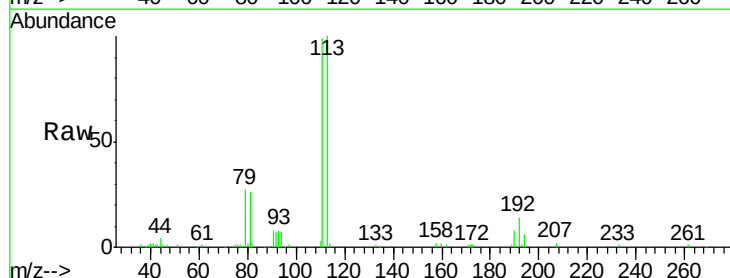
Tgt Ion: 42 Resp: 1010

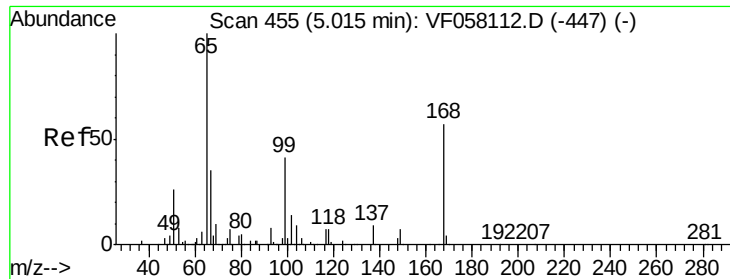
Ion Ratio Lower Upper

42 100

72 0.0 30.5 45.7#

71 12.9 31.5 47.3#

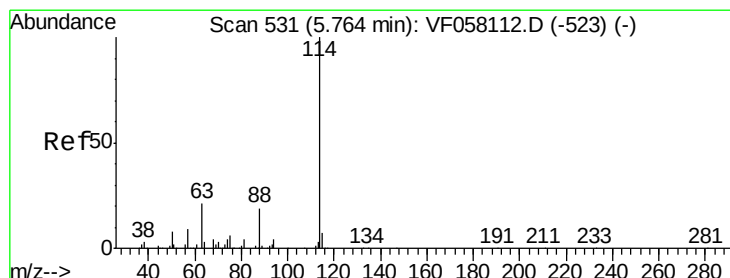
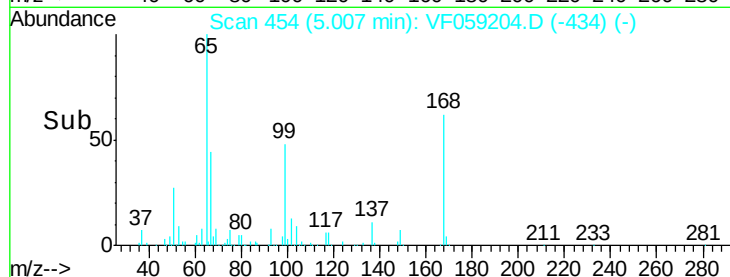
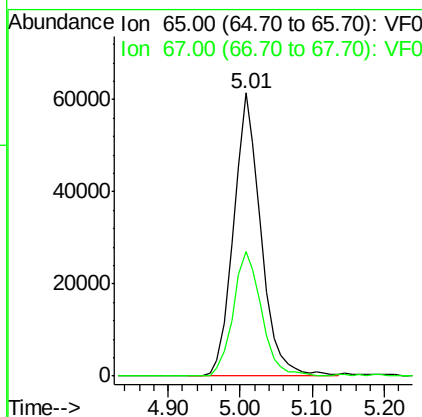
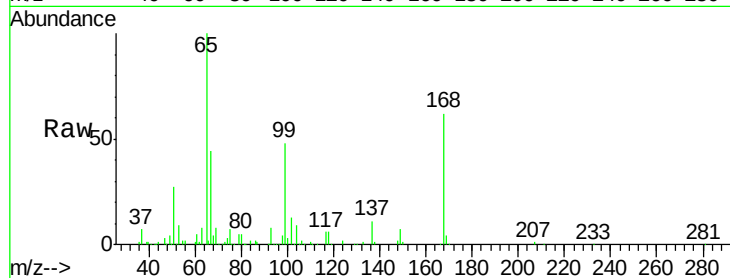




#33
 1,2-Dichloroethane-d4
 Concen: 54.890 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059204.D
 Acq: 19 Jun 2018 22:25

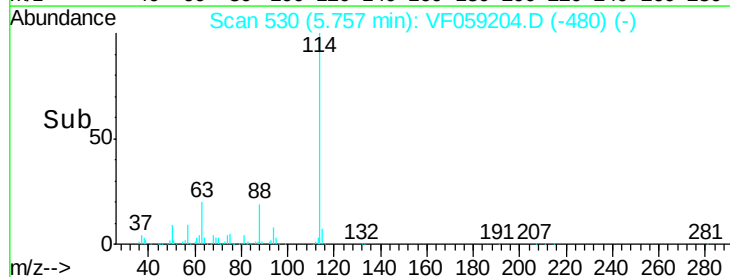
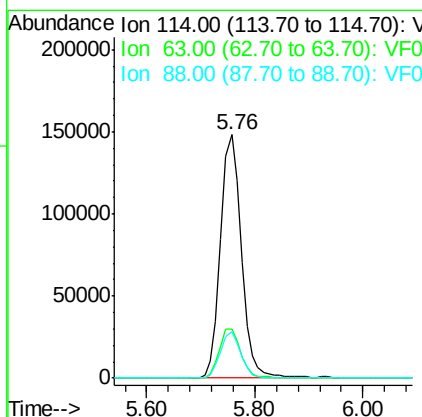
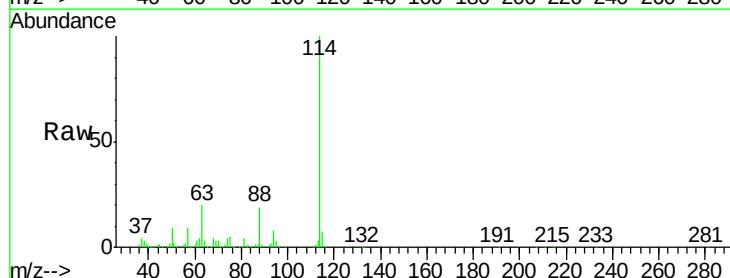
Instrument :
 MSVOA_F
 ClientSampleId :

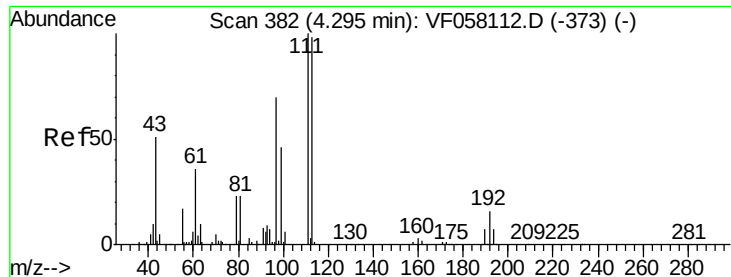
Tot Ion: 65 Resp: 162501
 Ion Ratio Lower Upper
 65 100
 67 44.0 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059204.D
 Acq: 19 Jun 2018 22:25

Tgt Ion: 114 Resp: 399003
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.6
 88 19.3 0.0 38.8





#35

Dibromofluoromethane

Concen: 55.991 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059204.D

Acq: 19 Jun 2018 22:25

Instrument :
MSVOA_F
ClientSampleId :

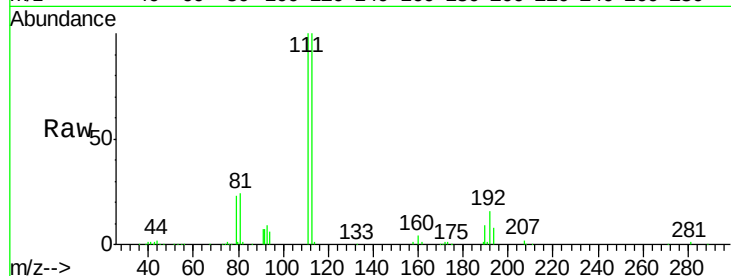
Tot Ion:113 Resp: 156757

Ion Ratio Lower Upper

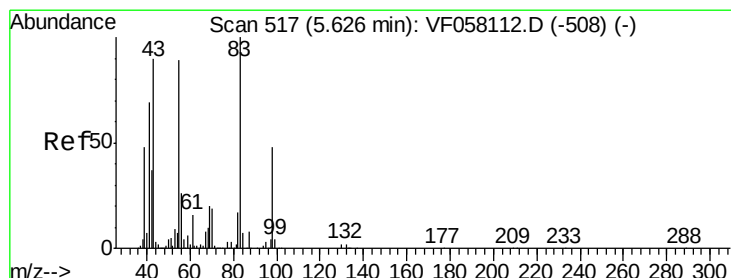
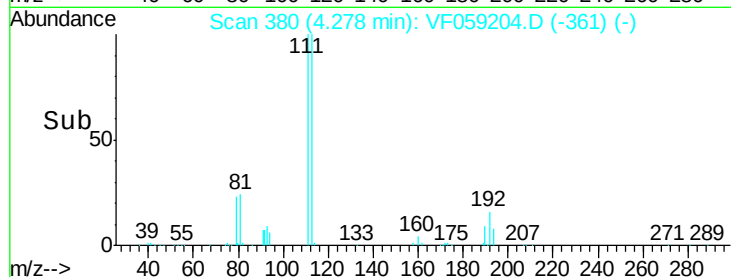
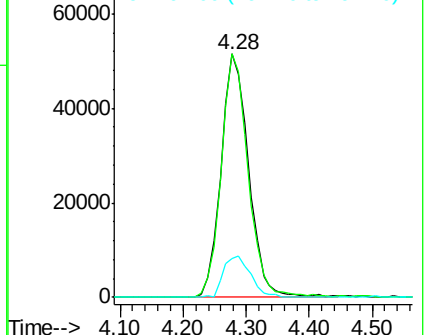
113 100

111 100.0 81.3 121.9

192 15.9 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: 1.125 ug/l

RT: 5.75 min Scan# 529

Delta R.T. 0.12 min

Lab File: VF059204.D

Acq: 19 Jun 2018 22:25

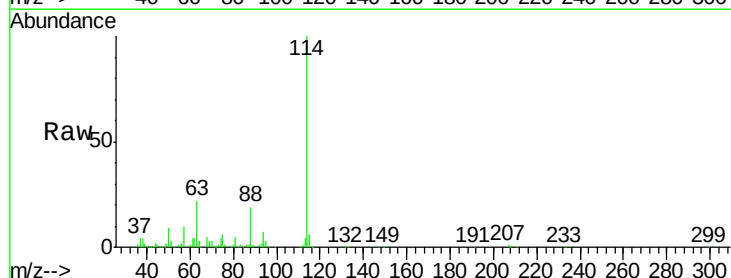
Tgt Ion: 83 Resp: 4437

Ion Ratio Lower Upper

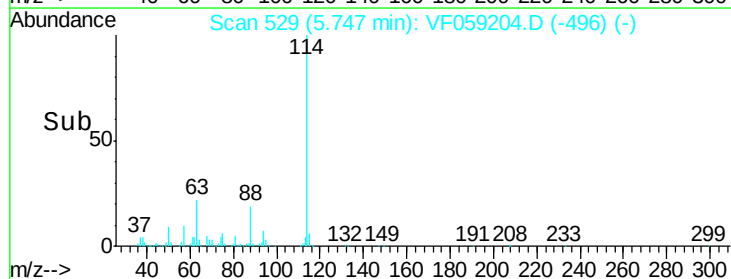
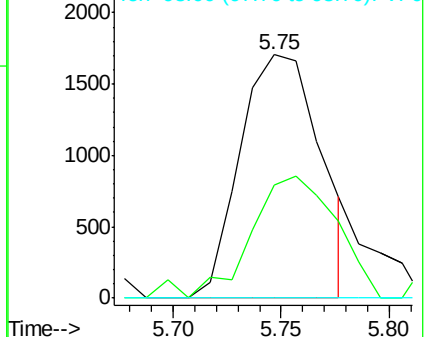
83 100

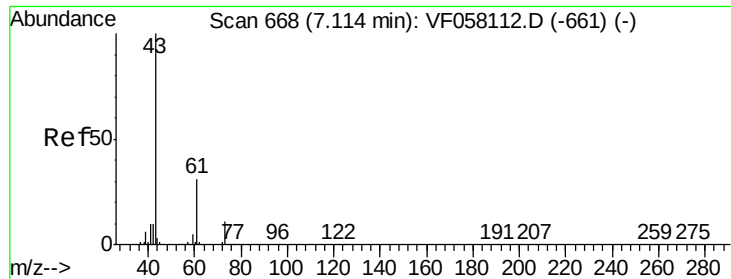
55 46.3 71.0 106.4#

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





#43

Isopropyl Acetate

Concen: 1.536 ug/l

RT: 7.05 min Scan# 661

Delta R.T. -0.07 min

Lab File: VF059204.D

Acq: 19 Jun 2018 22:25

Instrument :

MSVOA_F

ClientSampleId :

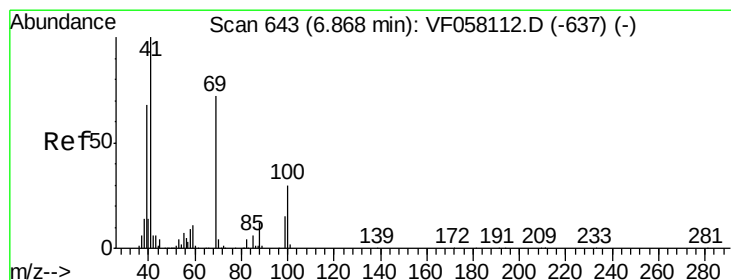
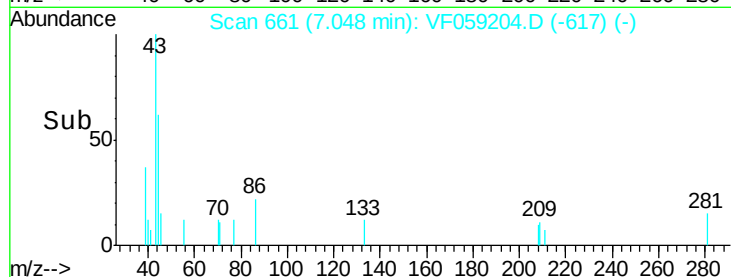
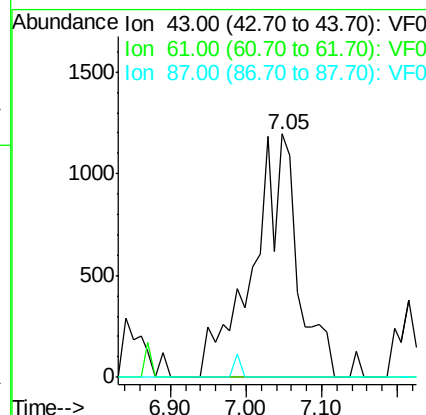
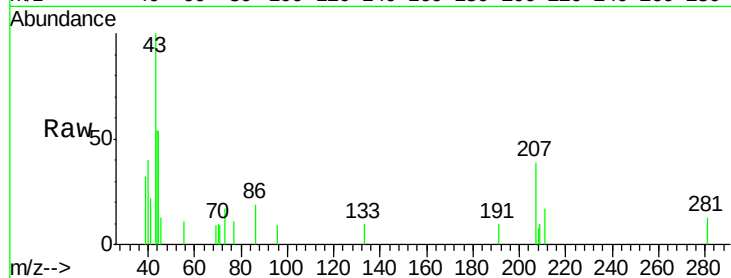
Tot Ion: 43 Resp: 4916

Ion Ratio Lower Upper

43 100

61 0.0 25.1 37.7#

87 0.0 0.2 0.4#



#49

1,4-Dioxane

Concen: 16.750 ug/l

RT: 6.95 min Scan# 651

Delta R.T. 0.08 min

Lab File: VF059204.D

Acq: 19 Jun 2018 22:25

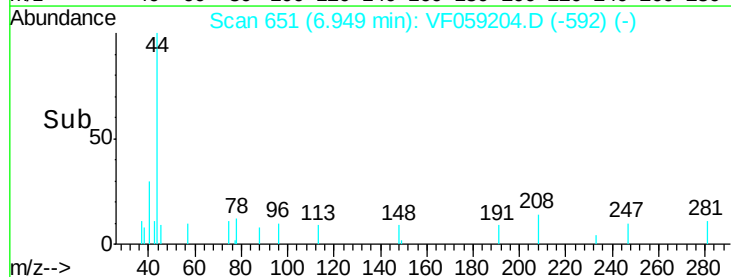
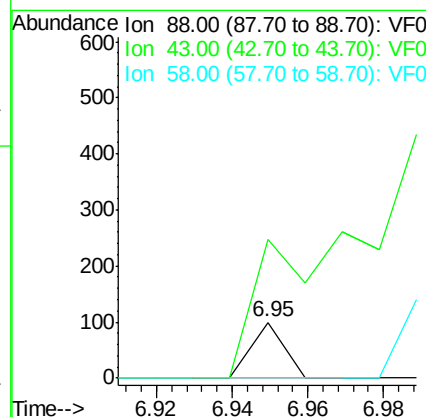
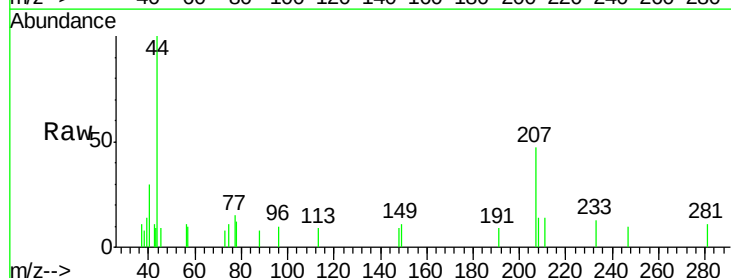
Tgt Ion: 88 Resp: 59

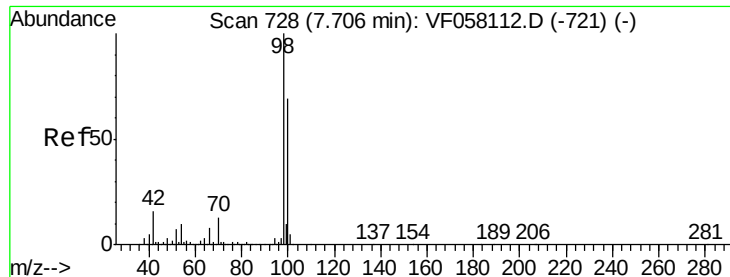
Ion Ratio Lower Upper

88 100

43 248.0 47.8 71.8#

58 0.0 59.4 89.0#

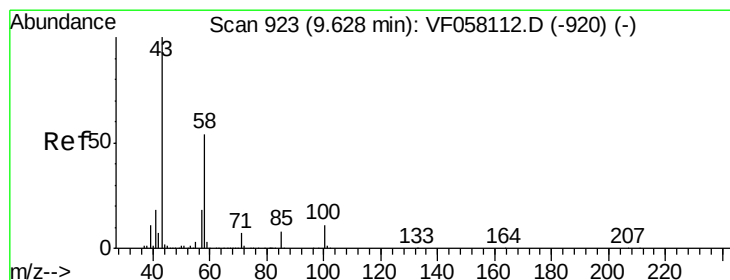
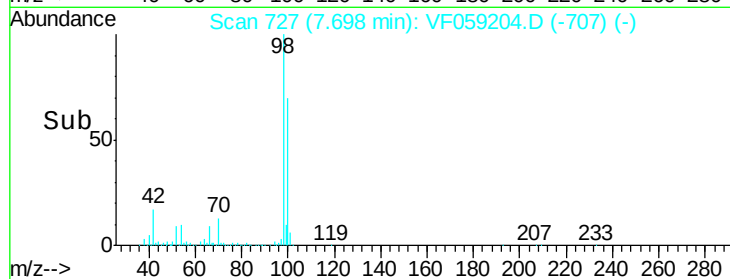
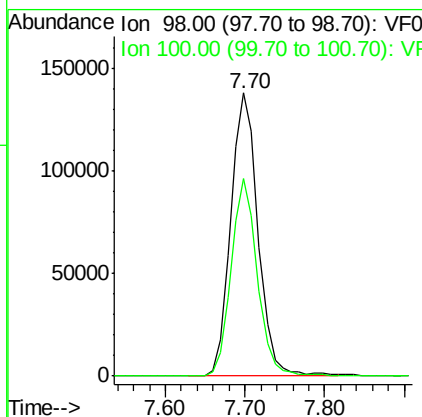
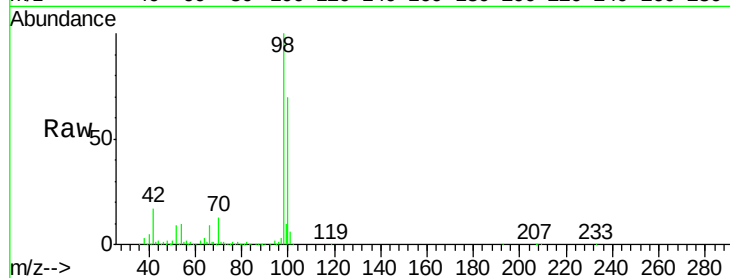




#50
Toluene-d8
Concen: 40.182 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059204.D
Acq: 19 Jun 2018 22:25

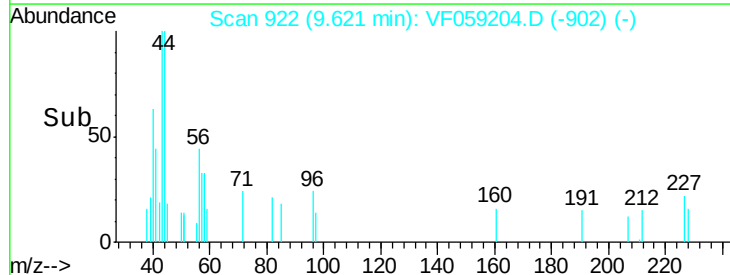
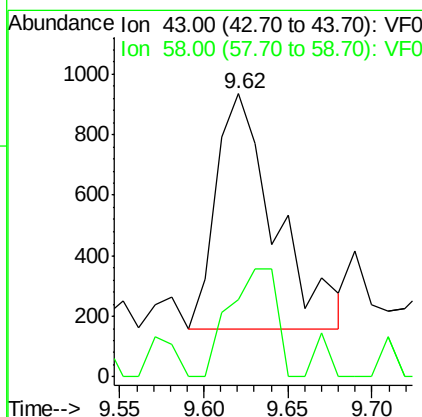
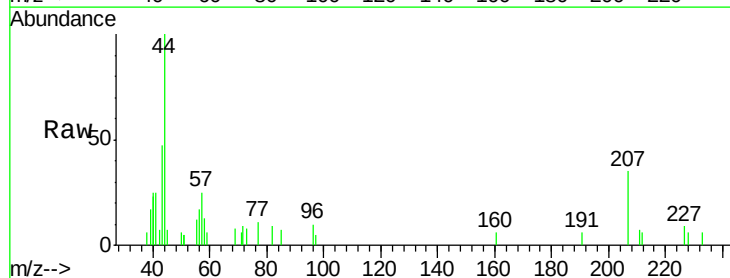
Instrument :
MSVOA_F
ClientSampled :

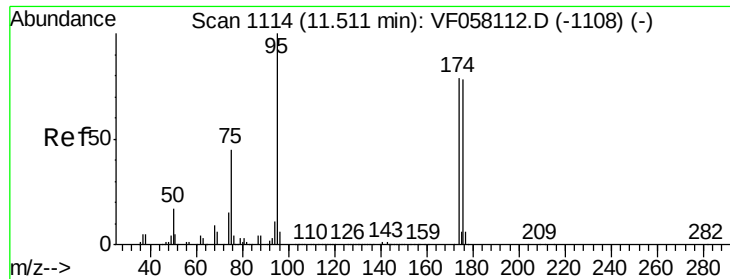
Tot Ion: 98 Resp: 330497
Ion Ratio Lower Upper
98 100
100 69.8 55.6 83.4



#59
2-Hexanone
Concen: 1.087 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059204.D
Acq: 19 Jun 2018 22:25

Tgt Ion: 43 Resp: 1886
Ion Ratio Lower Upper
43 100
58 27.5 26.3 78.8

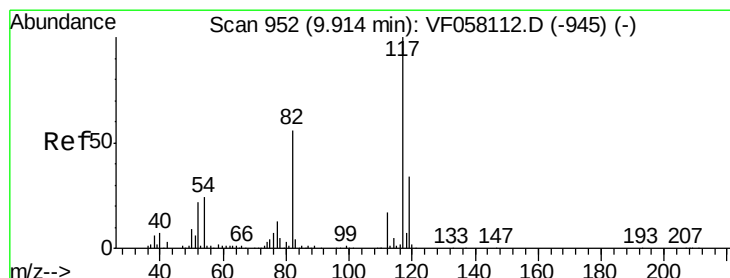
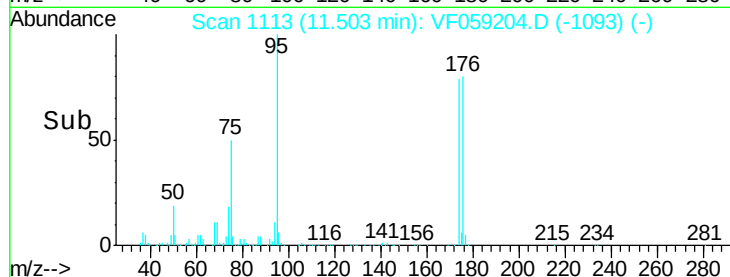
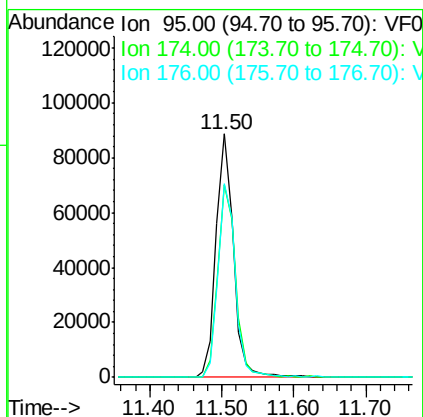
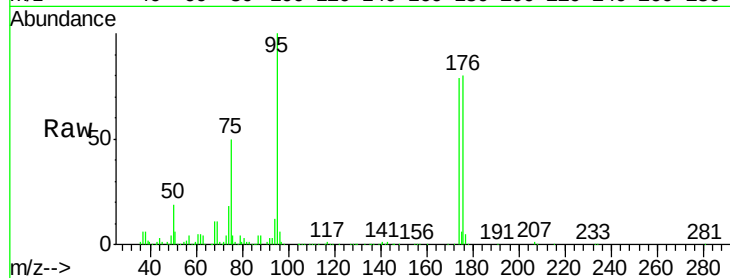




#62
4-Bromofluorobenzene
Concen: 34.938 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059204.D
Acq: 19 Jun 2018 22:25

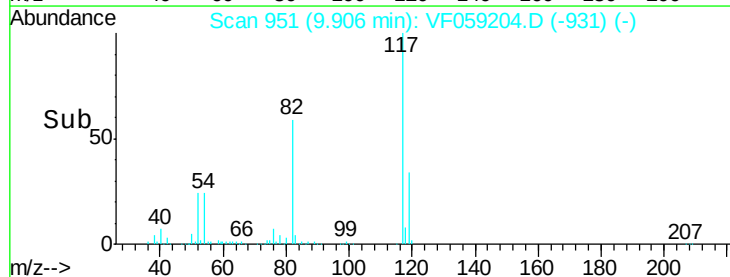
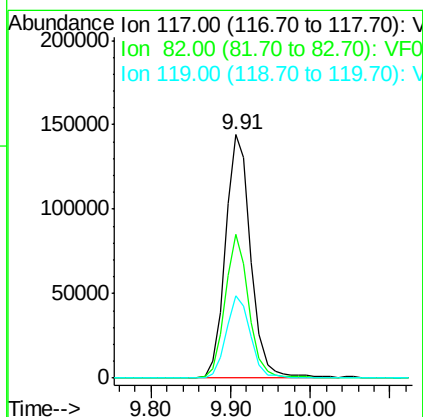
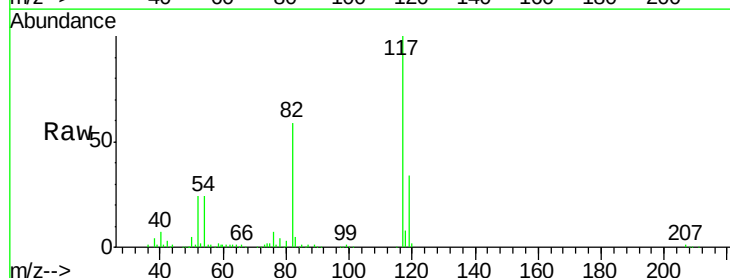
Instrument :
MSVOA_F
ClientSampleId :

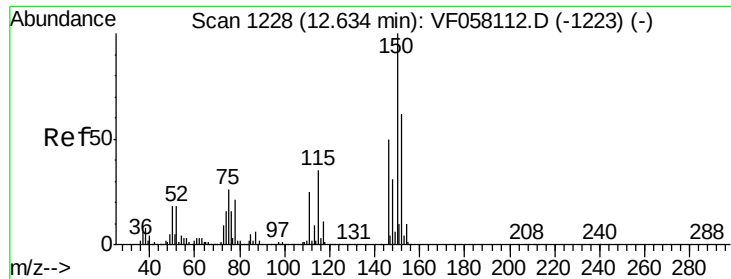
Tot Ion: 95 Resp: 147390
Ion Ratio Lower Upper
95 100
174 78.8 0.0 157.8
176 79.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059204.D
Acq: 19 Jun 2018 22:25

Tgt Ion: 117 Resp: 322990
Ion Ratio Lower Upper
117 100
82 59.2 45.2 67.8
119 33.7 27.5 41.3



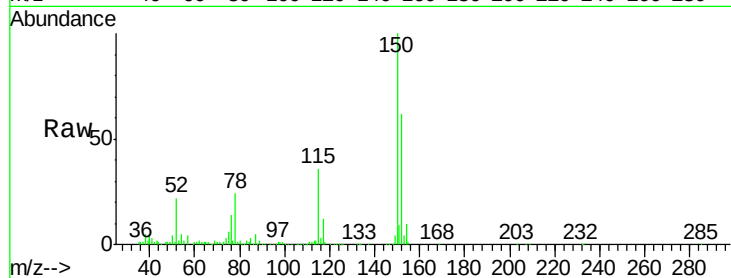


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059204.D
 Acq: 19 Jun 2018 22:25

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.5	85.5
150	160.9	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

