

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059207.D
 Acq On : 20 Jun 2018 1:39
 Operator : VA/AP
 Sample : VF0619SBL02
 Misc : 5.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:06:31 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	289877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	452091	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	428543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	264019	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	176336	50.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.32%	
35) Dibromofluoromethane	4.29	113	165367	52.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.26%	
50) Toluene-d8	7.71	98	407259	43.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.40%	
62) 4-Bromofluorobenzene	11.50	95	220394	46.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.22%	

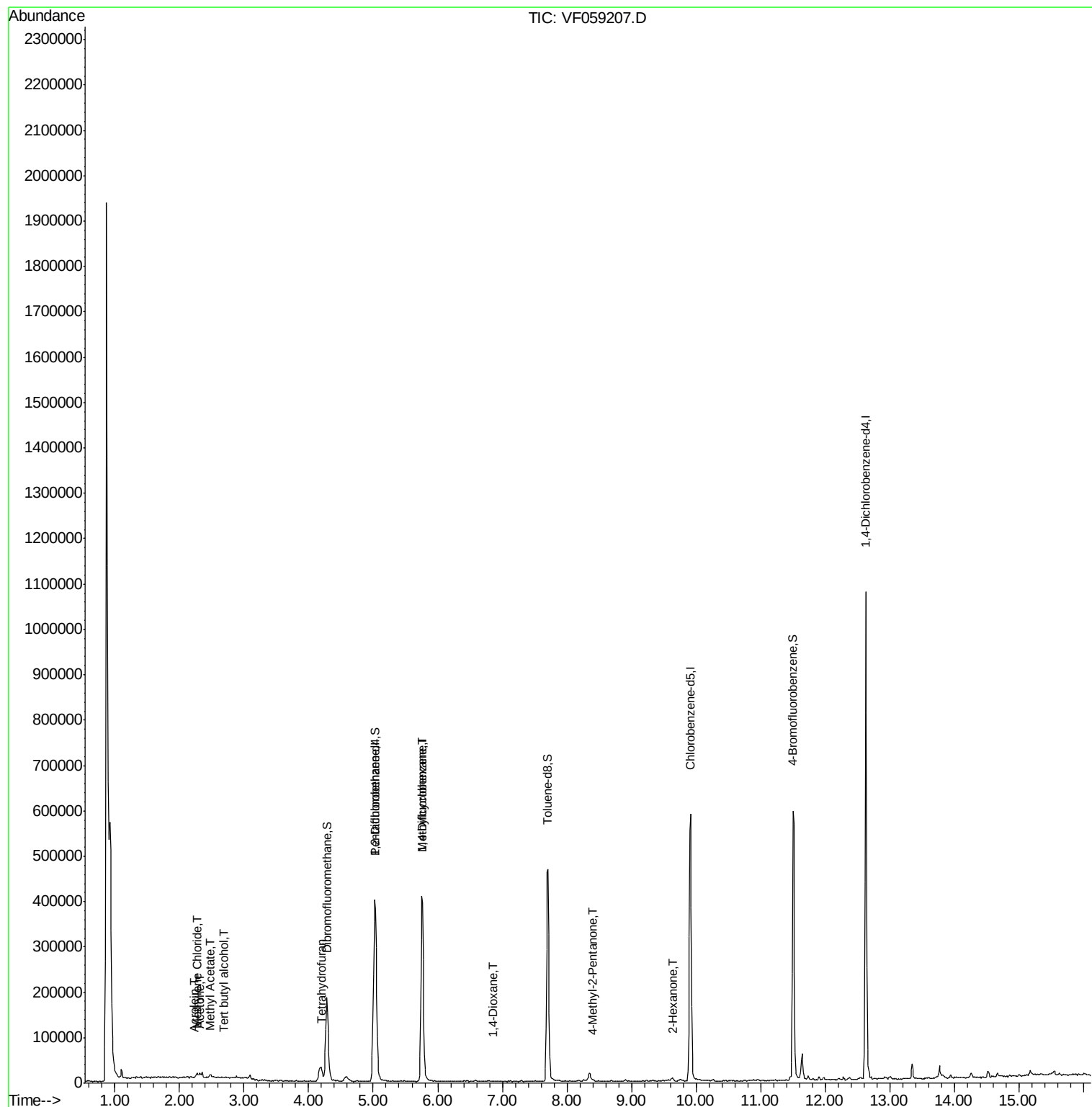
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	601	2.668	ug/l #	1
13) Acrolein	2.22	56	507	2.600	ug/l	98
16) Acetone	2.32	43	4790	5.707	ug/l #	77
18) Methyl Acetate	2.46	43	3322	2.302	ug/l #	66
20) Methylene Chloride	2.26	84	7691	3.827	ug/l #	78
29) Tetrahydrofuran	4.21	42	969	1.690	ug/l #	42
39) Methylcyclohexane	5.75	83	5121	1.146	ug/l #	55
49) 1,4-Dioxane	6.86	88	149	21.217	ug/l #	26
51) 4-Methyl-2-Pentanone	8.41	43	2694	1.084	ug/l #	80
59) 2-Hexanone	9.64	43	6056	3.080	ug/l	76
89) n-Butylbenzene	12.92	91	2990	Below Cal		85

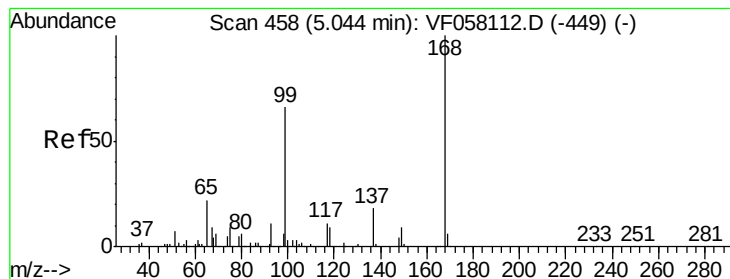
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061918\
Data File : VF059207.D
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Operator : VA/AP
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Misc : 5.40q/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 20 02:13:16 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: VF059207.D

Acq: 20 Jun 2018 1:39

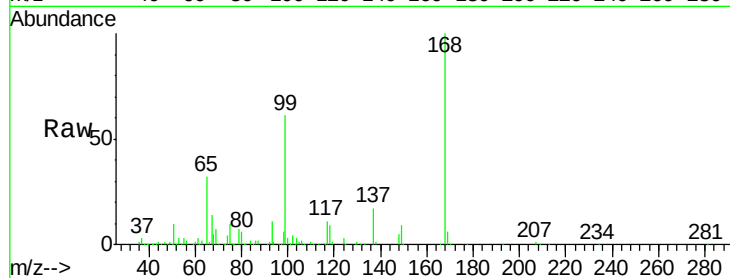
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 289877

Ion Ratio Lower Upper

168 100

99 61.4 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

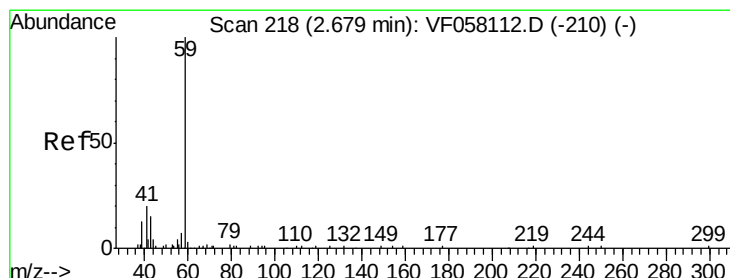
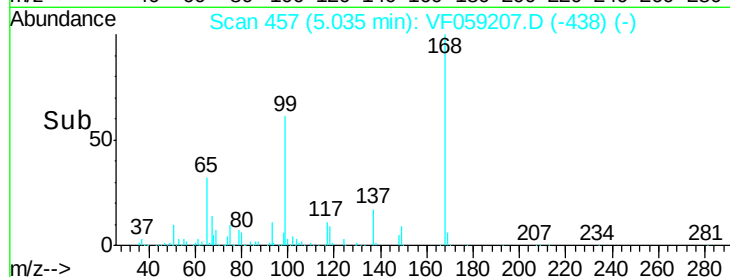
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.668 ug/l

RT: 2.68 min Scan# 218

Delta R.T. 0.00 min

Lab File: VF059207.D

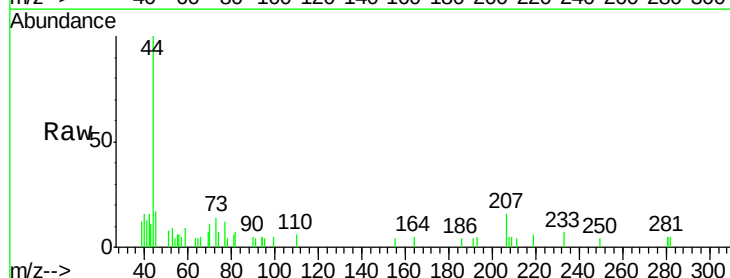
Acq: 20 Jun 2018 1:39

Tgt Ion: 59 Resp: 601

Ion Ratio Lower Upper

59 100

57 53.4 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.68

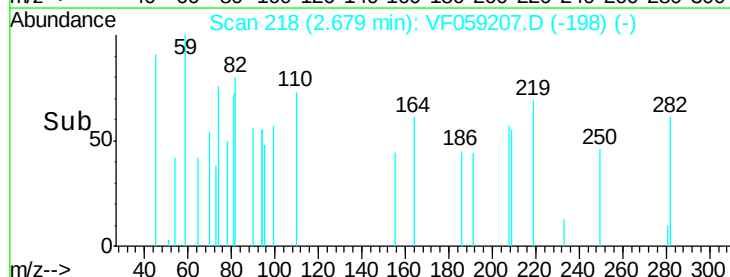
300

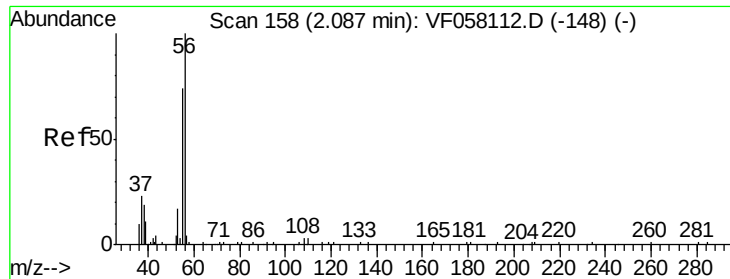
200

100

0

Time-->





#13

Acrolein

Concen: 2.600 ug/l

RT: 2.22 min Scan# 171

Delta R.T. 0.13 min

Lab File: VF059207.D

Acq: 20 Jun 2018 1:39

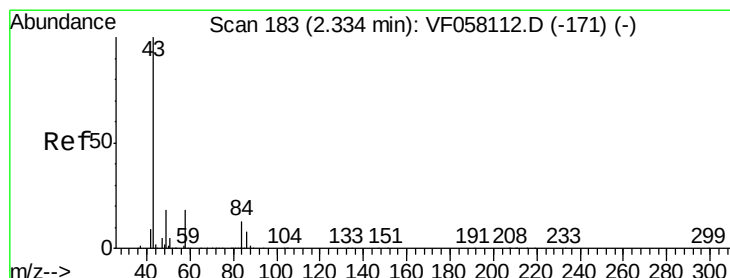
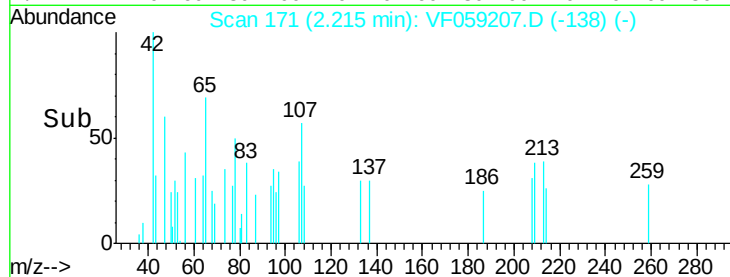
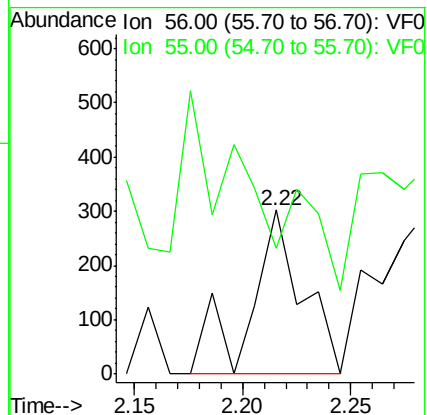
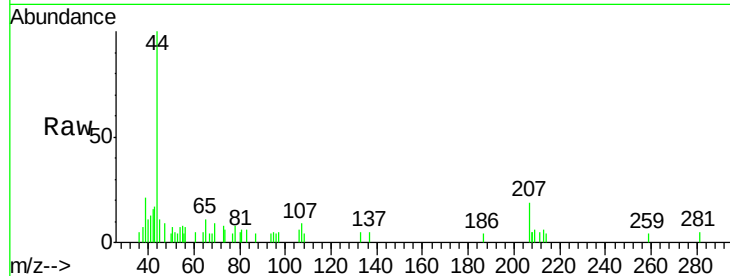
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 507

Ion Ratio Lower Upper

56 100

55 76.8 60.0 90.0



#16

Acetone

Concen: 5.707 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF059207.D

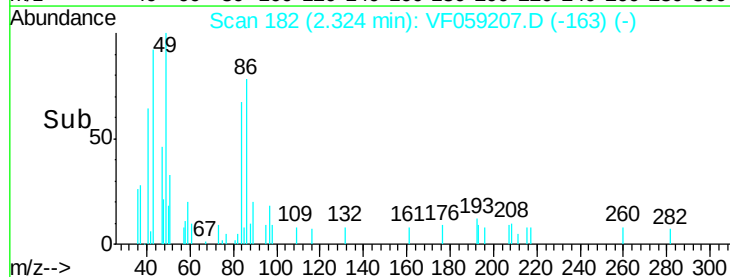
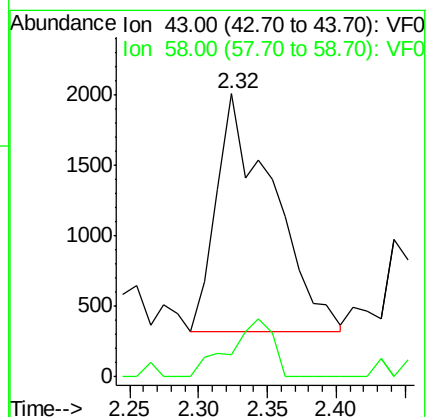
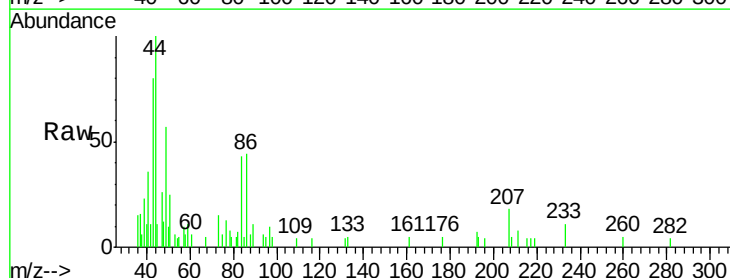
Acq: 20 Jun 2018 1:39

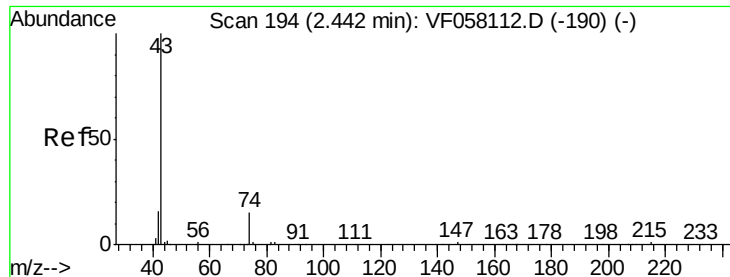
Tgt Ion: 43 Resp: 4790

Ion Ratio Lower Upper

43 100

58 7.9 14.4 21.6#

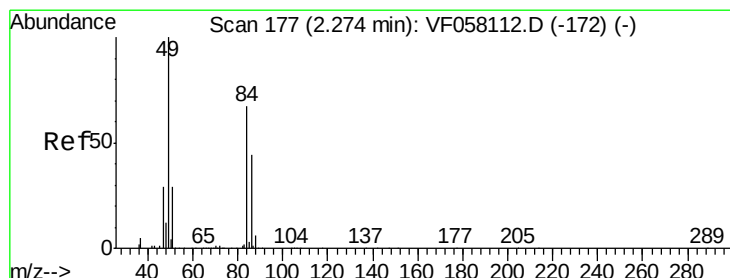
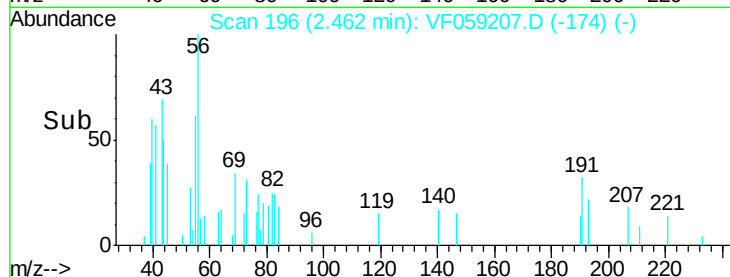
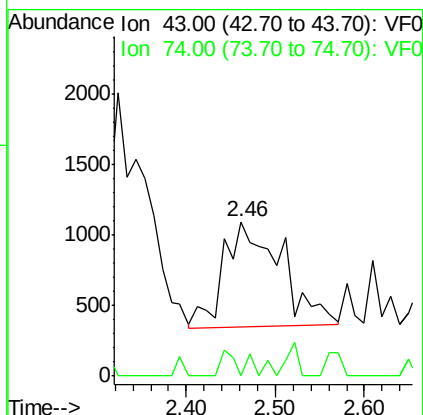
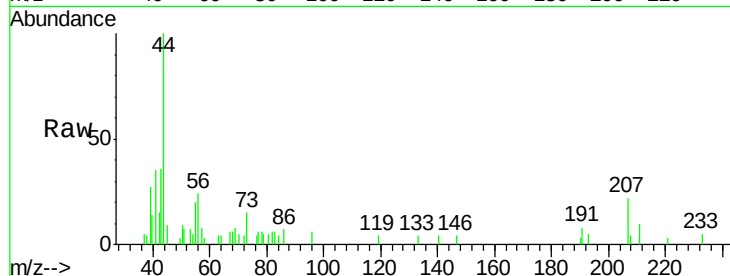




#18
Methyl Acetate
Concen: 2.302 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.02 min
Lab File: VF059207.D
Acq: 20 Jun 2018 1:39

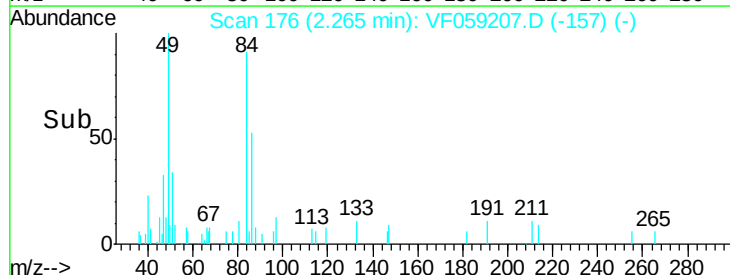
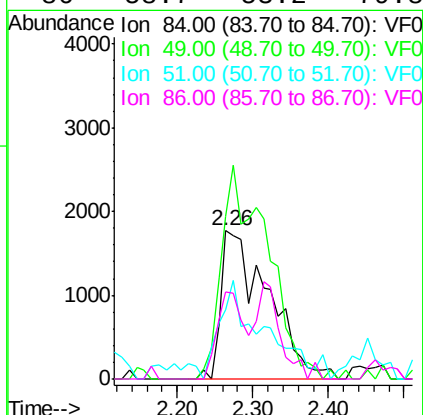
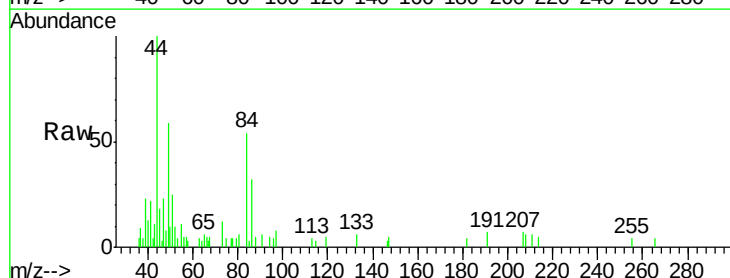
Instrument :
MSVOA_F
ClientSampled :

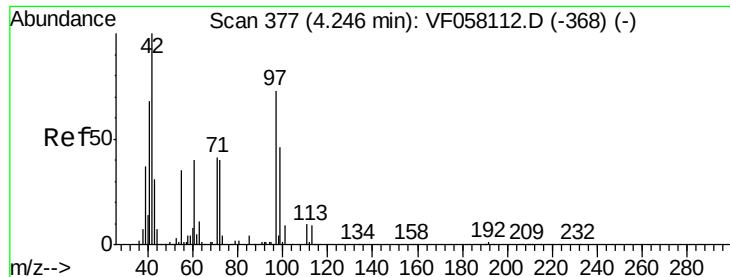
Tot Ion: 43 Resp: 3322
Ion Ratio Lower Upper
43 100
74 0.0 10.9 16.3#



#20
Methylene Chloride
Concen: 3.827 ug/l
RT: 2.26 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059207.D
Acq: 20 Jun 2018 1:39

Tgt Ion: 84 Resp: 7691
Ion Ratio Lower Upper
84 100
49 109.8 121.0 181.4#
51 46.7 35.8 53.6
86 58.7 53.2 79.8





#29

Tetrahydrofuran

Concen: 1.690 ug/l

RT: 4.21 min Scan# 373

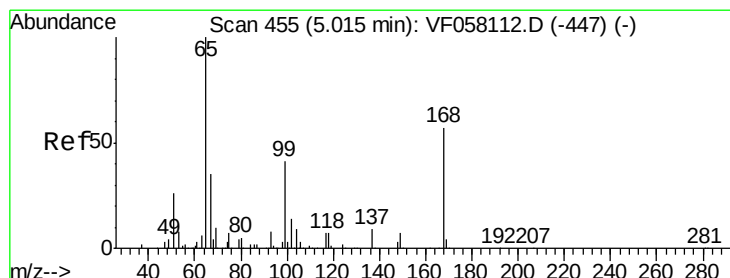
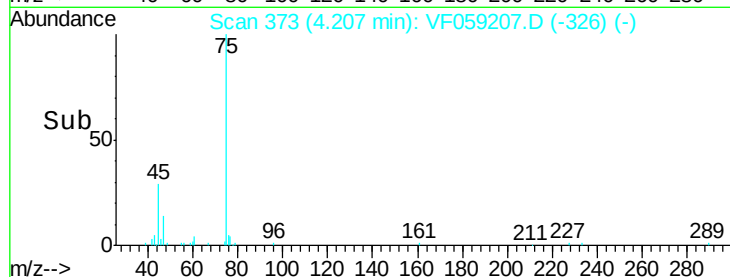
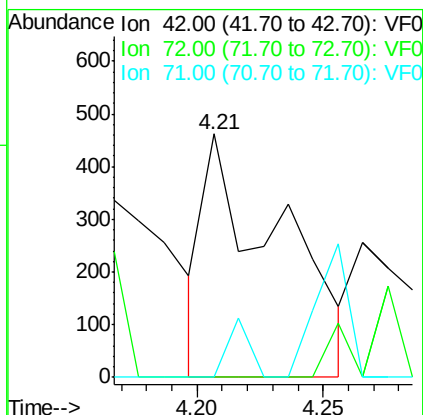
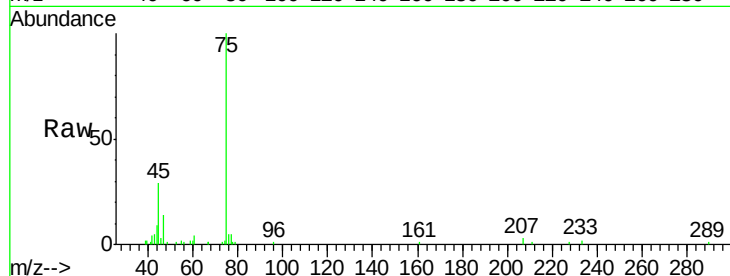
Delta R.T. -0.04 min

Lab File: VF059207.D

Acq: 20 Jun 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	969
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.5	45.7#
71	6.9	31.5	47.3#



#33

1,2-Dichloroethane-d4

Concen: 50.158 ug/l

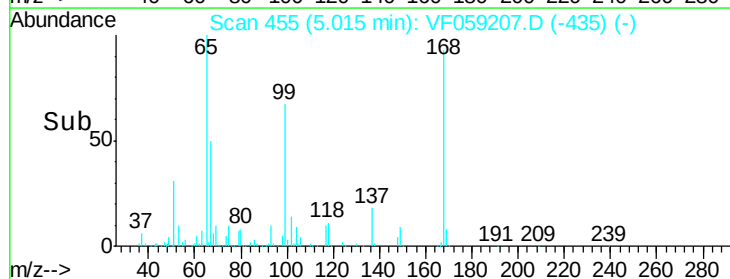
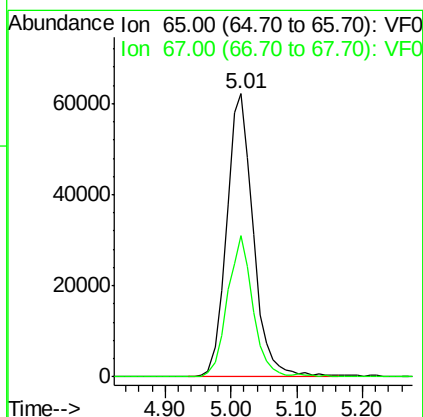
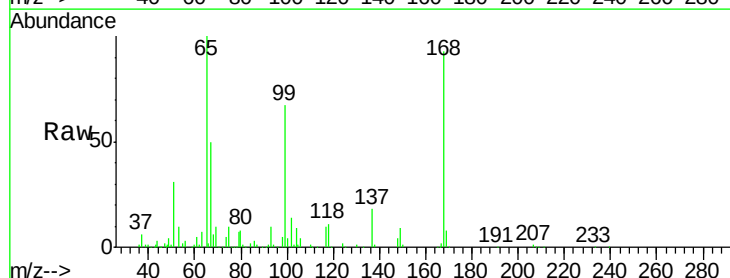
RT: 5.01 min Scan# 455

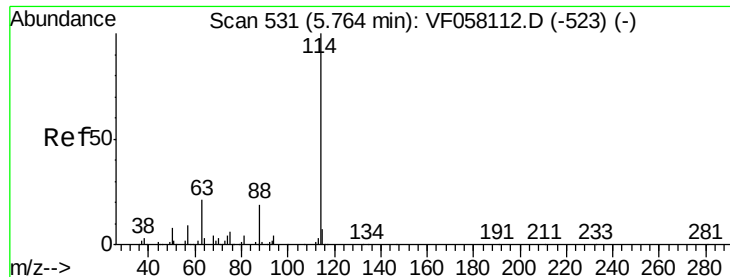
Delta R.T. 0.00 min

Lab File: VF059207.D

Acq: 20 Jun 2018 1:39

Tgt Ion:	65	Resp:	176336
Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	97.0

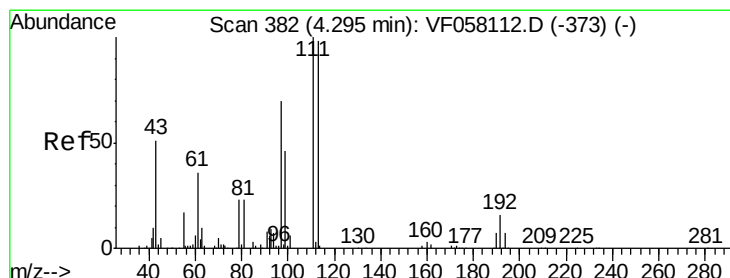
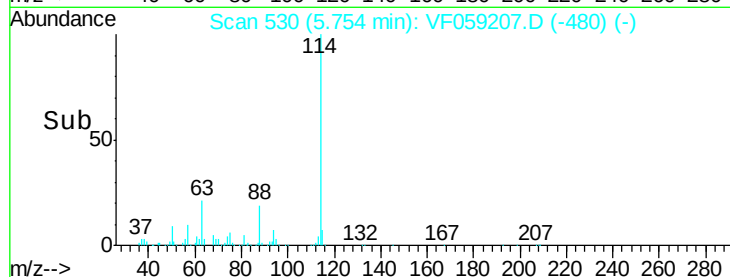
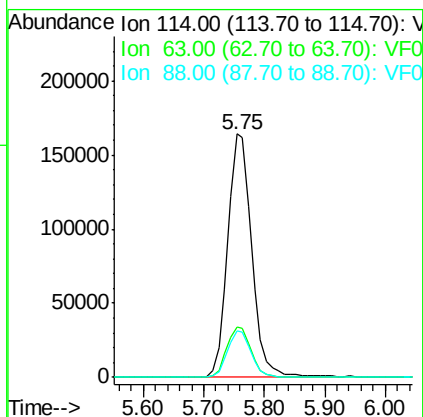
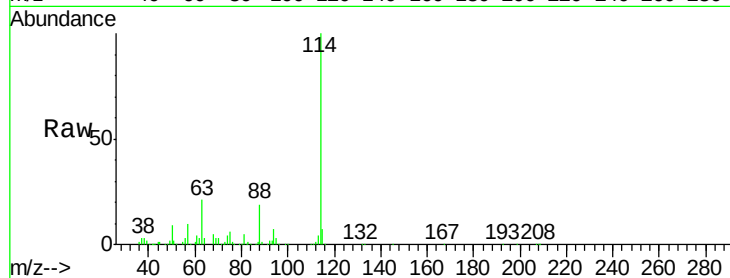




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.75 min Scan# 530
Delta R.T. -0.01 min
Lab File: VF059207.D
Acq: 20 Jun 2018 1:39

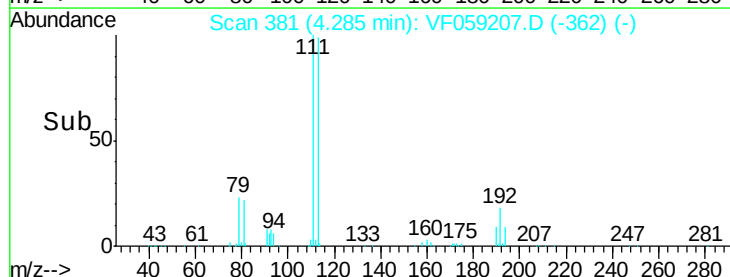
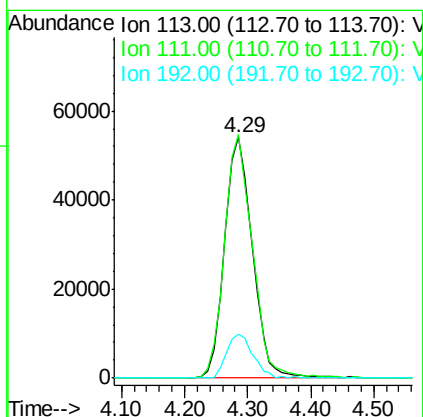
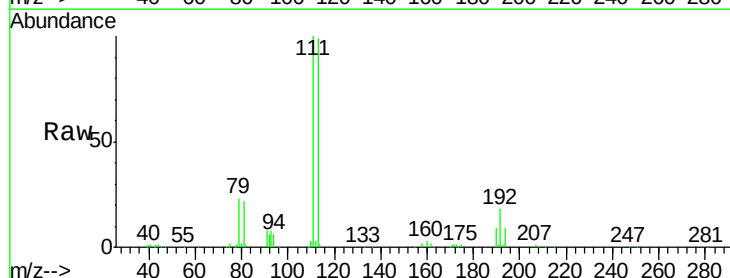
Instrument :
MSVOA_F
ClientSampleId :

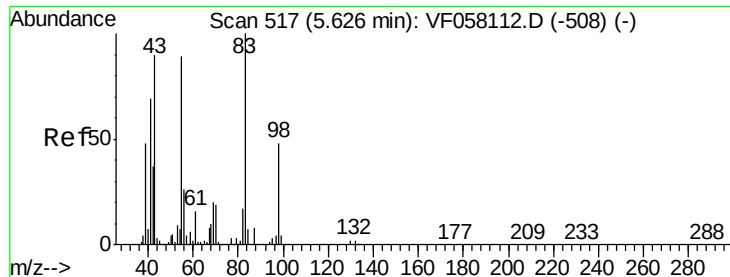
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.6
88	19.2	0.0	38.8



#35
Dibromofluoromethane
Concen: 52.130 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059207.D
Acq: 20 Jun 2018 1:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.3	121.9
192	18.2	12.7	19.1

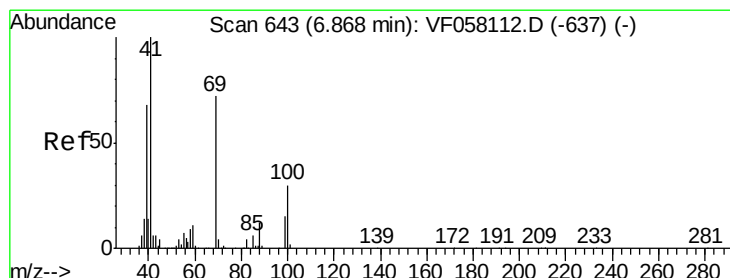
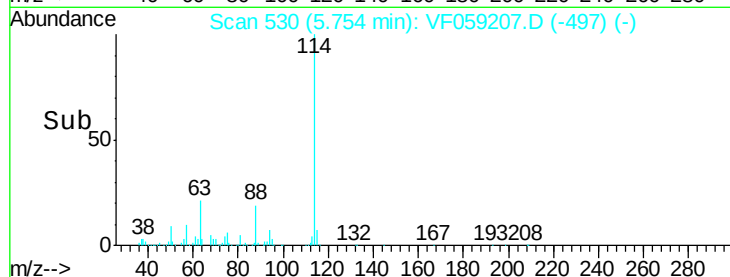
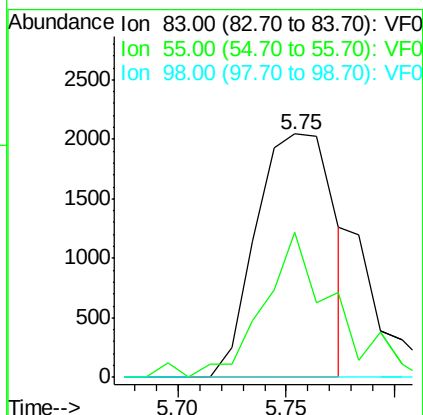
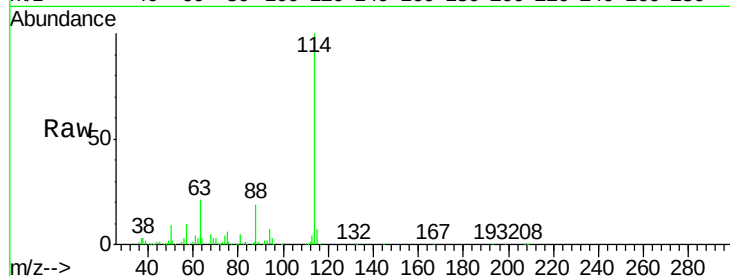




#39
Methylcyclohexane
Concen: 1.146 ug/l
RT: 5.75 min Scan# 530
Delta R.T. 0.13 min
Lab File: VF059207.D
Acq: 20 Jun 2018 1:39

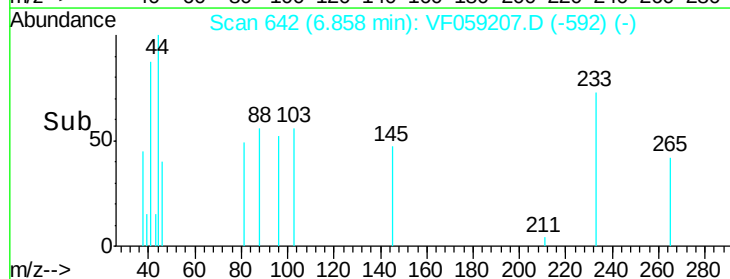
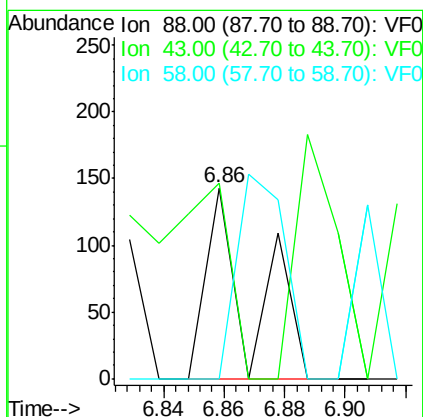
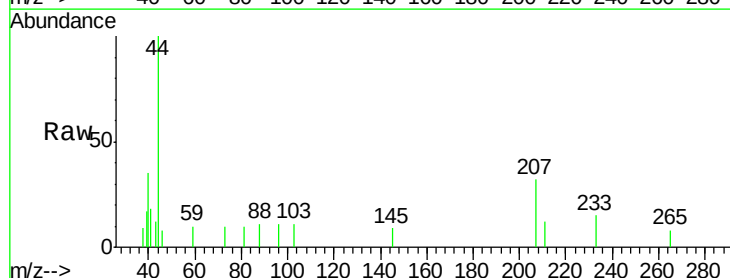
Instrument :
MSVOA_F
ClientSampled :

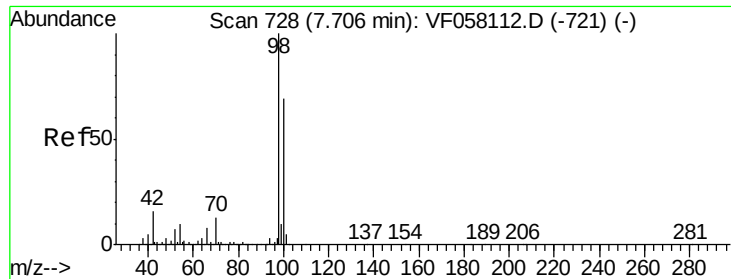
Tot Ion: 83 Resp: 5121
Ion Ratio Lower Upper
83 100
55 59.5 71.0 106.4#
98 0.0 38.1 57.1#



#49
1,4-Dioxane
Concen: 21.217 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059207.D
Acq: 20 Jun 2018 1:39

Tgt Ion: 88 Resp: 149
Ion Ratio Lower Upper
88 100
43 102.8 47.8 71.8#
58 0.0 59.4 89.0#

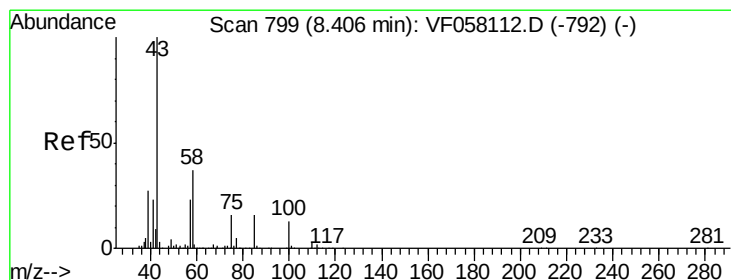
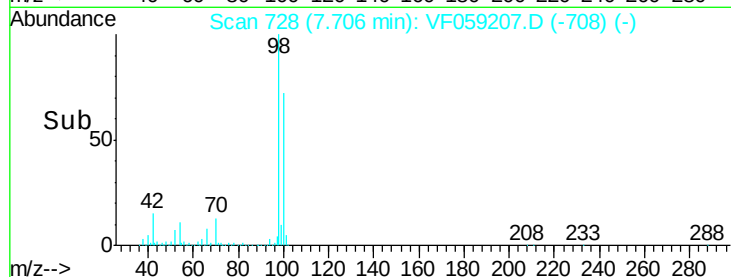
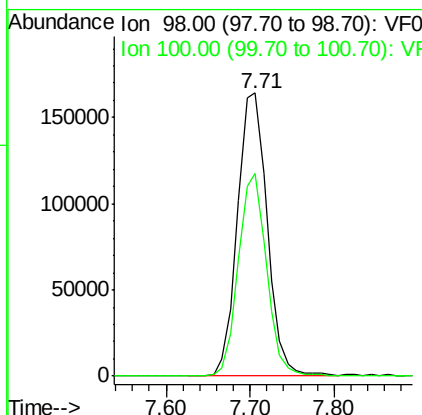
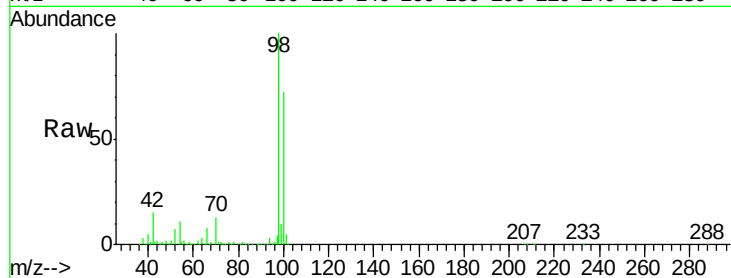




#50
Toluene-d8
Concen: 43.701 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059207.D
Acq: 20 Jun 2018 1:39

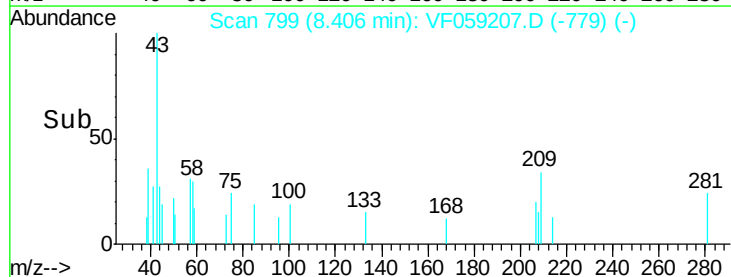
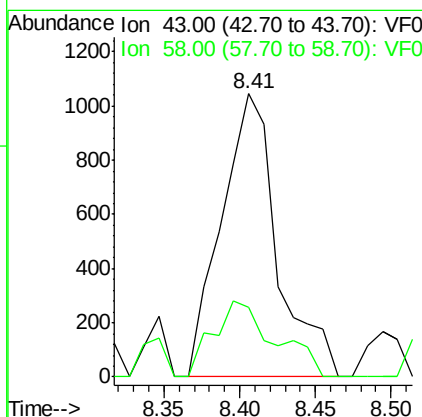
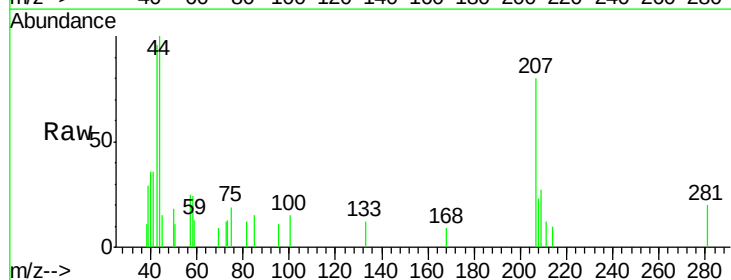
Instrument :
MSVOA_F
ClientSampled :

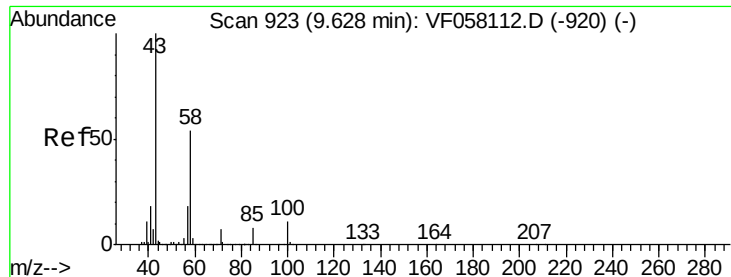
Tot Ion: 98 Resp: 407259
Ion Ratio Lower Upper
98 100
100 71.6 55.6 83.4



#51
4-Methyl-2-Pentanone
Concen: 1.084 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.00 min
Lab File: VF059207.D
Acq: 20 Jun 2018 1:39

Tgt Ion: 43 Resp: 2694
Ion Ratio Lower Upper
43 100
58 24.7 29.4 44.0#

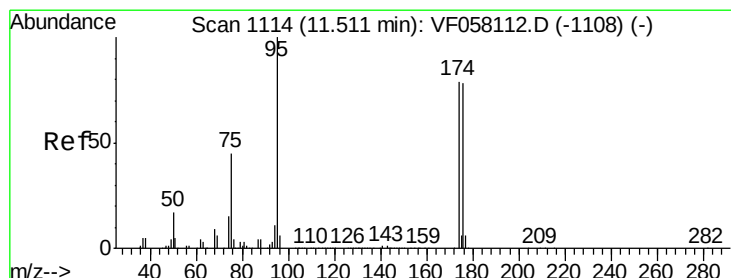
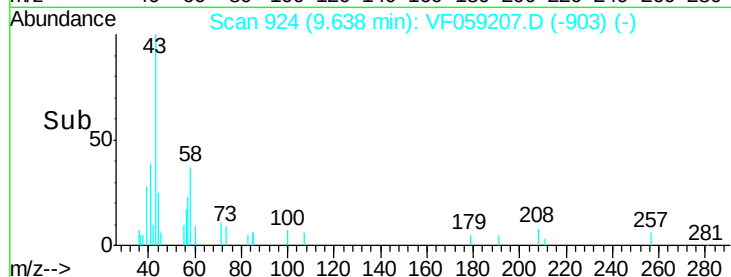
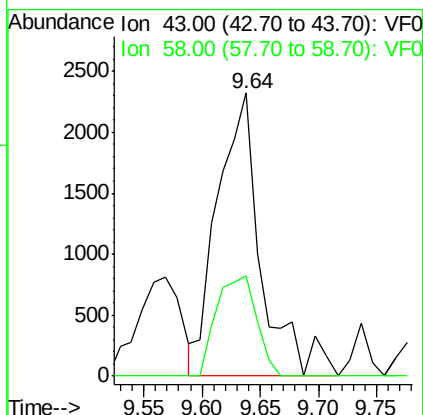
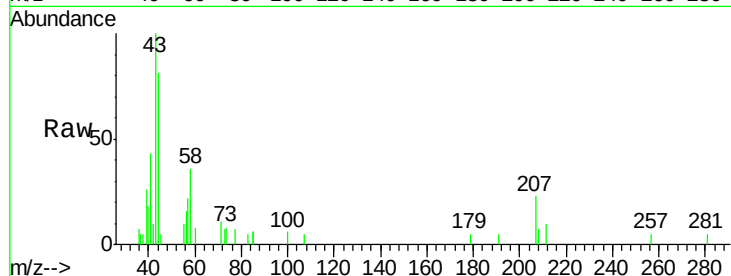




#59
2-Hexanone
Concen: 3.080 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF059207.D
Acq: 20 Jun 2018 1:39

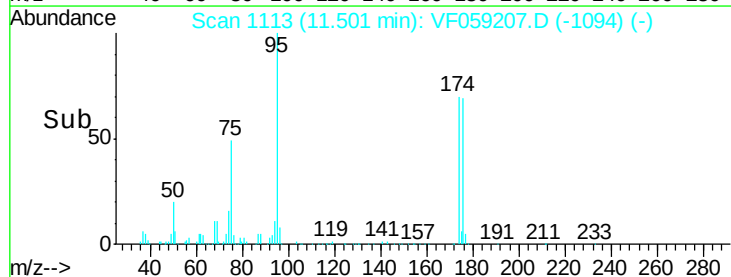
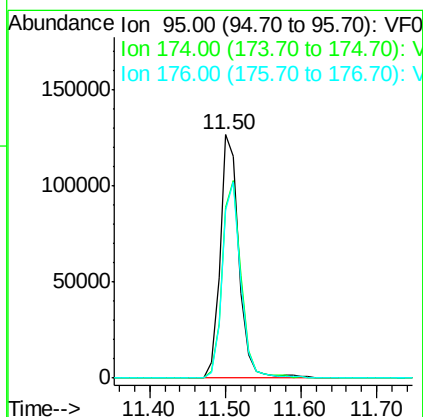
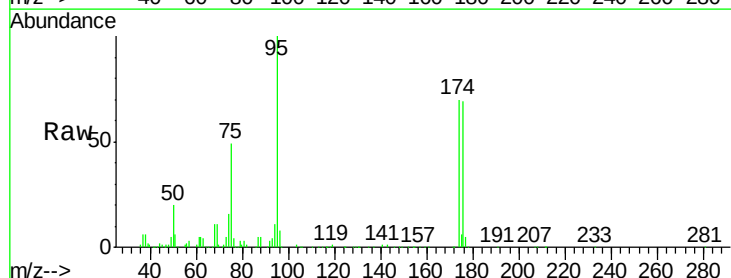
Instrument :
MSVOA_F
ClientSampleId :

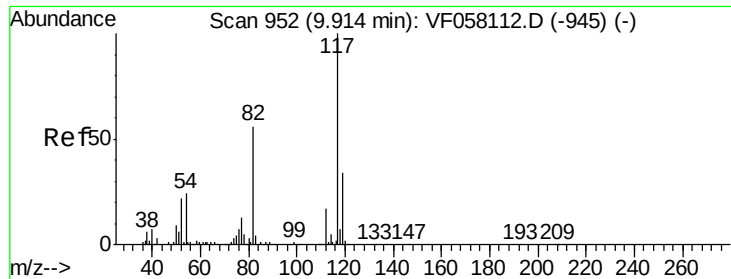
Tot Ion: 43 Resp: 6056
Ion Ratio Lower Upper
43 100
58 35.6 26.3 78.8



#62
4-Bromofluorobenzene
Concen: 46.109 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059207.D
Acq: 20 Jun 2018 1:39

Tgt Ion: 95 Resp: 220394
Ion Ratio Lower Upper
95 100
174 69.8 0.0 157.8
176 68.9 0.0 155.8

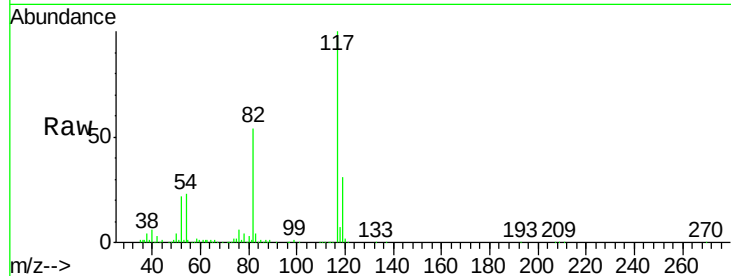




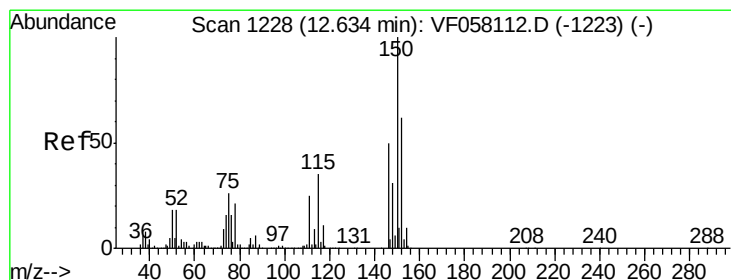
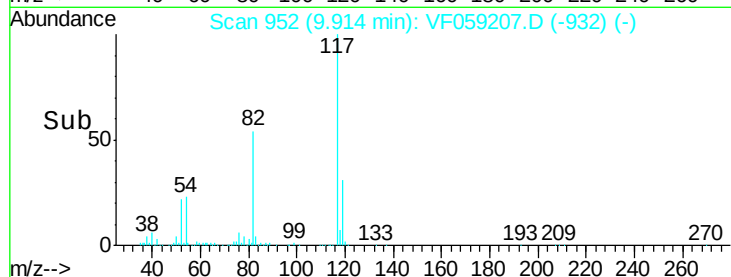
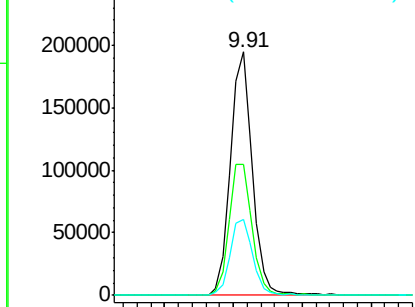
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059207.D
Acq: 20 Jun 2018 1:39

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 428543
Ion Ratio Lower Upper
117 100
82 53.9 45.2 67.8
119 31.0 27.5 41.3

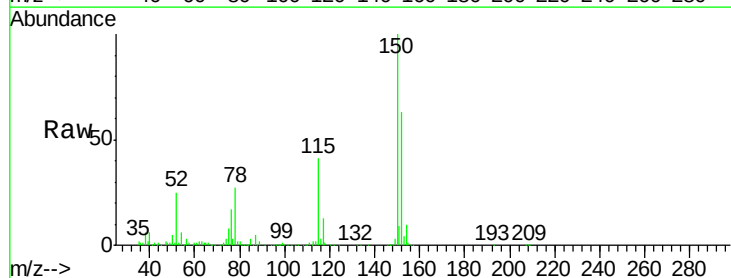


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059207.D
Acq: 20 Jun 2018 1:39

Tgt Ion:152 Resp: 264019
Ion Ratio Lower Upper
152 100
115 64.2 28.5 85.5
150 157.8 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

