

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070518\
 Data File : VF059432.D
 Acq On : 5 Jul 2018 14:21
 Operator : VA/AP
 Sample : J3840-08RE
 Misc : 6.90g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 06 02:04:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

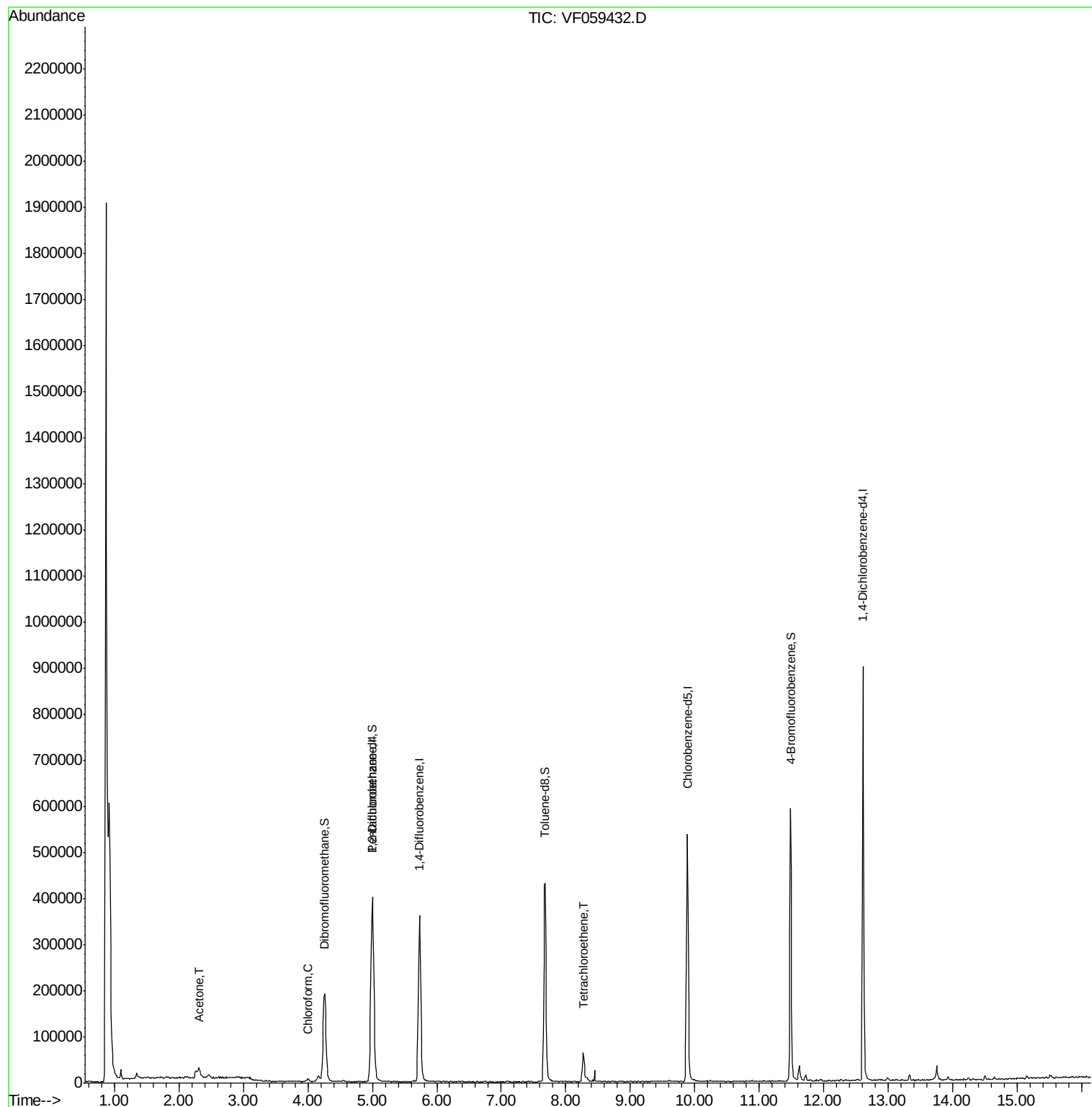
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	254914	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.73	114	367736	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	371409	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	218522	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	194081	58.93	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	117.86%	
35) Dibromofluoromethane	4.26	113	171183	63.71	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	127.42%	
50) Toluene-d8	7.68	98	356613	53.61	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	107.22%	
62) 4-Bromofluorobenzene	11.49	95	197229	52.56	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	105.12%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.34	94	759	Below Cal	#	4
13) Acrolein	2.10	56	975	Below Cal		95
16) Acetone	2.32	43	18104	12.313	ug/l	98
20) Methylene Chloride	2.26	84	6423	Below Cal		94
25) 2-Butanone	4.48	43	889	Below Cal	#	59
28) Bromochloromethane	3.89	49	70	Below Cal	#	51
29) Tetrahydrofuran	4.22	42	550	Below Cal	#	73
30) Chloroform	4.00	83	6358	1.134	ug/l #	59
37) Ethyl Acetate	4.23	43	717	Below Cal	#	26
49) 1,4-Dioxane	7.05	88	161	Below Cal	#	51
59) 2-Hexanone	9.61	43	2951	Below Cal		87
64) Tetrachloroethene	8.27	164	18404	7.640	ug/l	93
87) 1,3-Dichlorobenzene	12.54	146	492	Below Cal		92

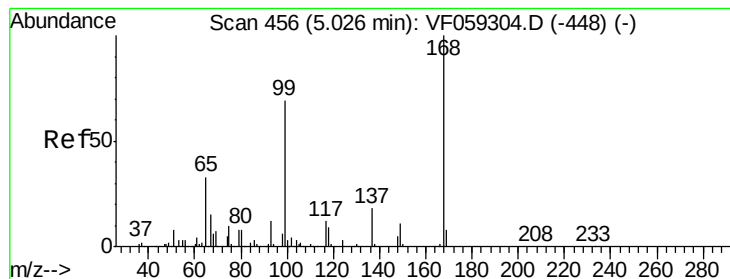
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF059432.D

Acq: 5 Jul 2018 14:21

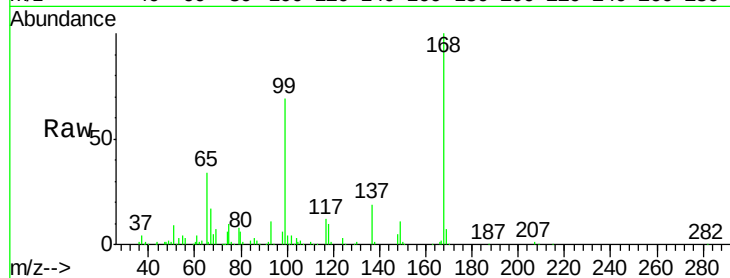
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 254914

Ion Ratio Lower Upper

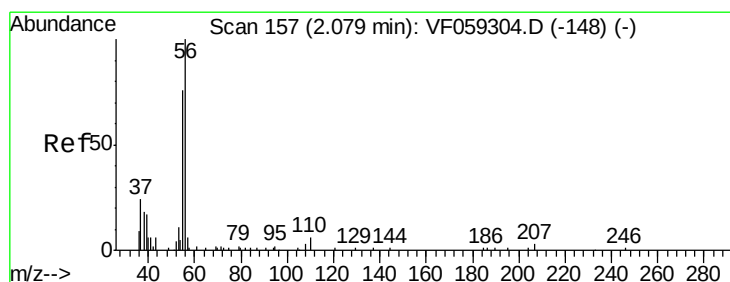
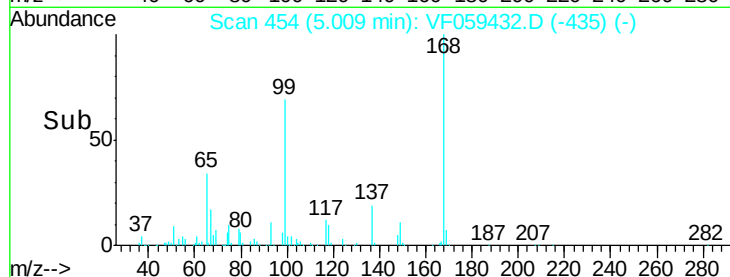
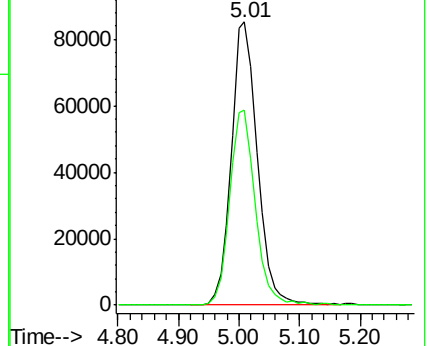
168 100

99 69.0 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#13

Acrolein

Concen: Below Cal

RT: 2.10 min Scan# 159

Delta R.T. 0.02 min

Lab File: VF059432.D

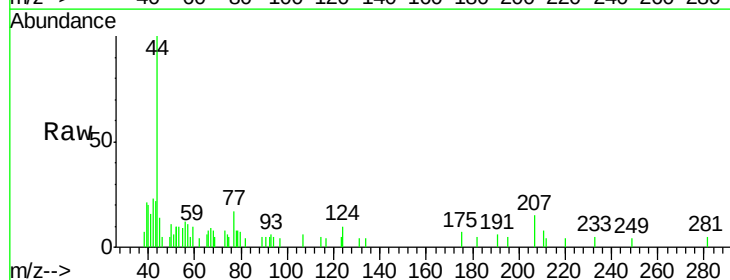
Acq: 5 Jul 2018 14:21

Tgt Ion: 56 Resp: 975

Ion Ratio Lower Upper

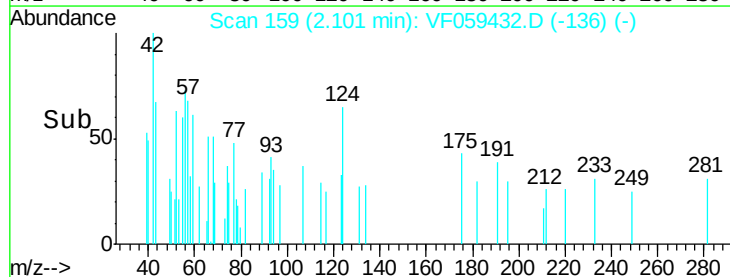
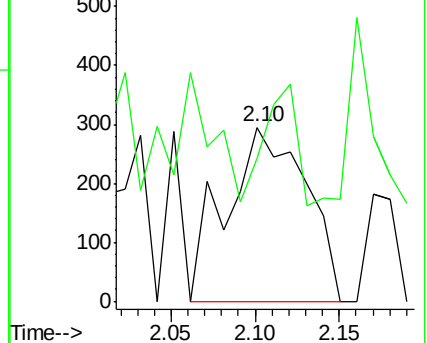
56 100

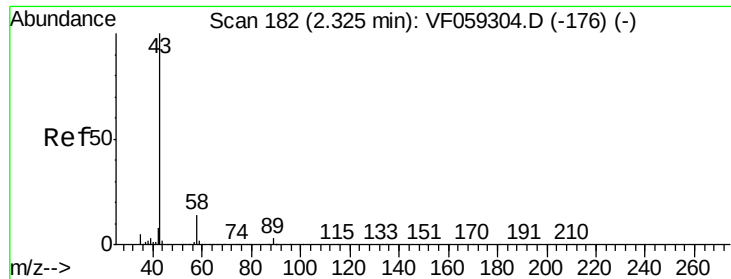
55 82.4 62.4 93.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#16

Acetone

Concen: 12.313 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF059432.D

Acq: 5 Jul 2018 14:21

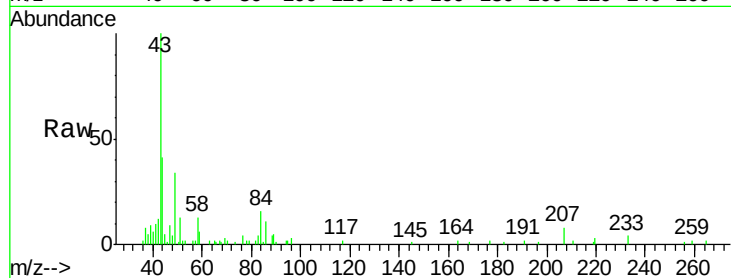
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 18104

Ion Ratio Lower Upper

43 100

58 13.4 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8000

6000

4000

2000

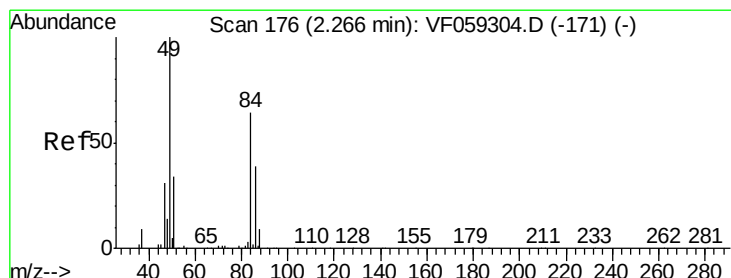
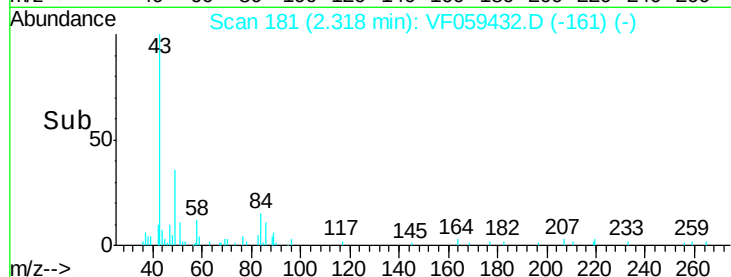
0

Time-->

2.20

2.30

2.40



#20

Methylene Chloride

Concen: Below Cal

RT: 2.26 min Scan# 175

Delta R.T. -0.01 min

Lab File: VF059432.D

Acq: 5 Jul 2018 14:21

Tgt Ion: 84 Resp: 6423

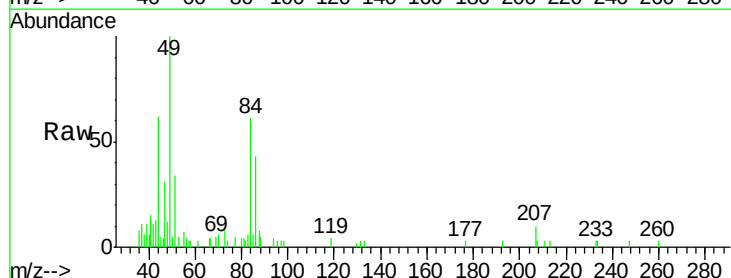
Ion Ratio Lower Upper

84 100

49 163.1 126.5 189.7

51 56.1 42.9 64.3

86 70.9 48.6 73.0



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

8000

6000

4000

2000

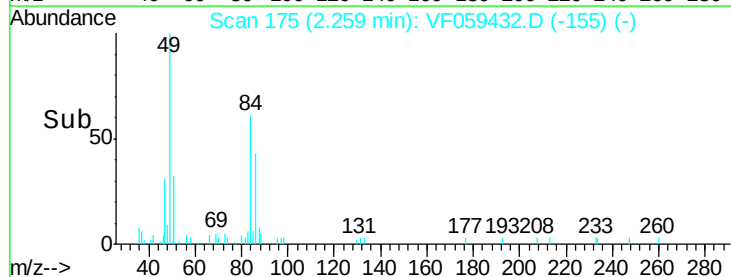
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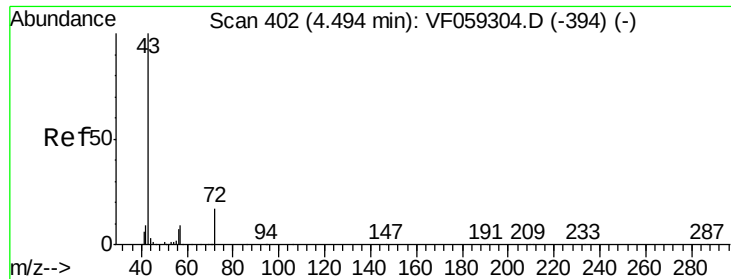
Time-->

2.20

2.25

2.30

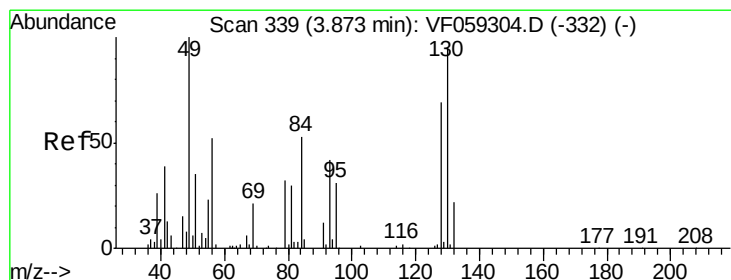
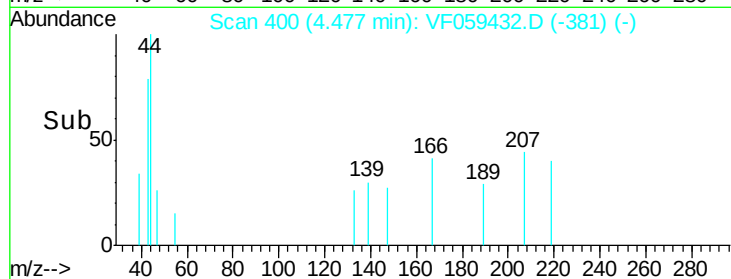
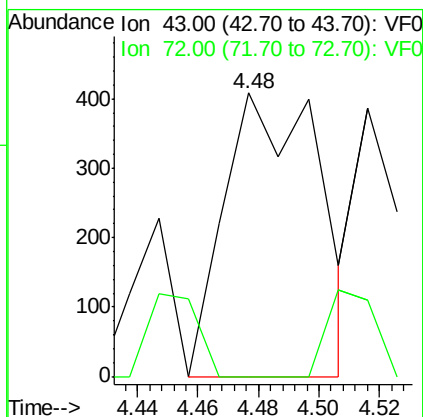
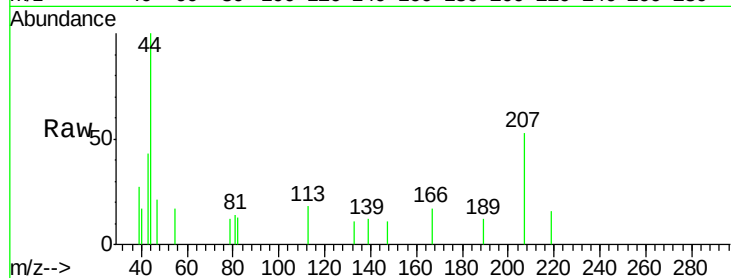




#25
2-Butanone
Concen: Below Cal
RT: 4.48 min Scan# 400
Delta R.T. -0.02 min
Lab File: VF059432.D
Acq: 5 Jul 2018 14:21

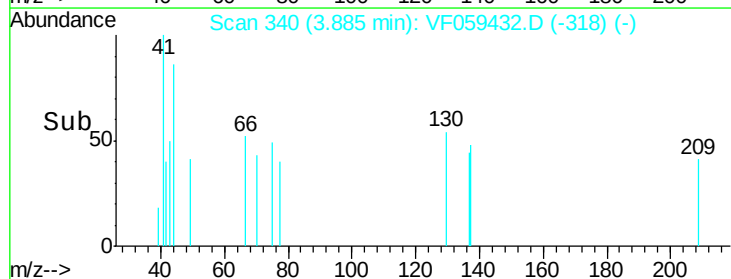
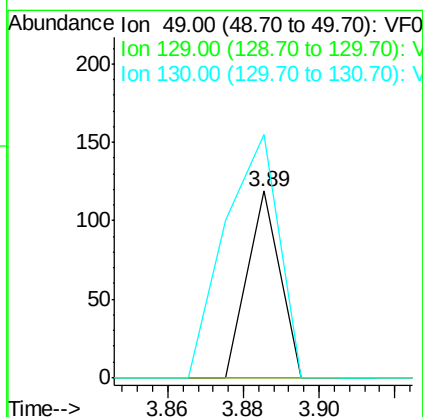
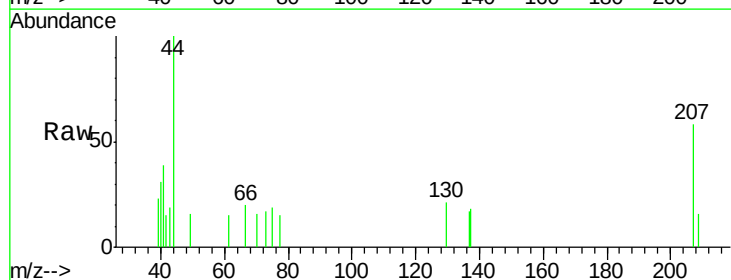
Instrument :
MSVOA_F
ClientSampled :

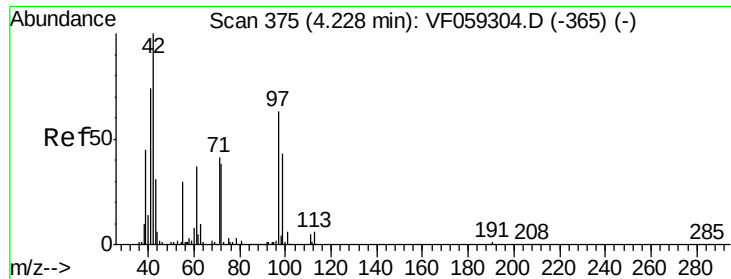
Tot Ion: 43 Resp: 889
Ion Ratio Lower Upper
43 100
72 0.0 14.4 21.6#



#28
Bromochloromethane
Concen: Below Cal
RT: 3.89 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF059432.D
Acq: 5 Jul 2018 14:21

Tgt Ion: 49 Resp: 70
Ion Ratio Lower Upper
49 100
129 130.3 0.0 6.4#
130 130.3 75.1 112.7#

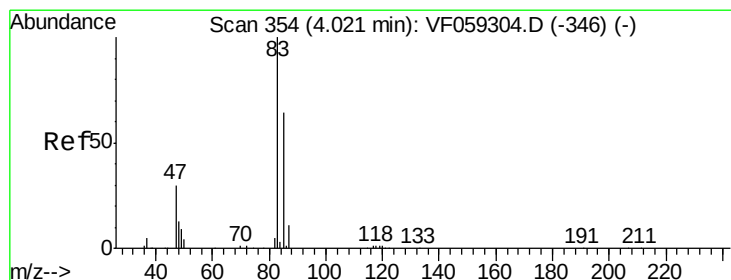
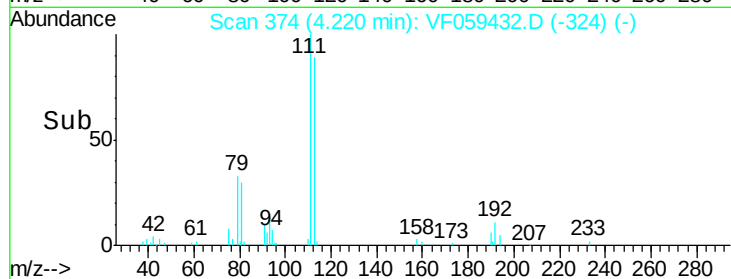
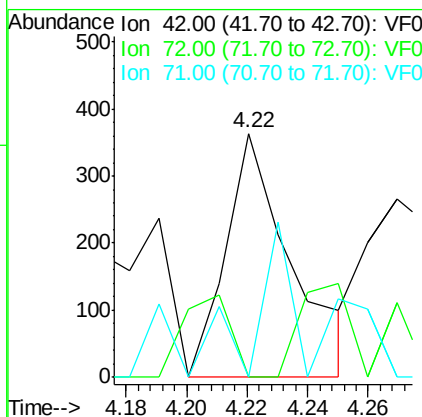
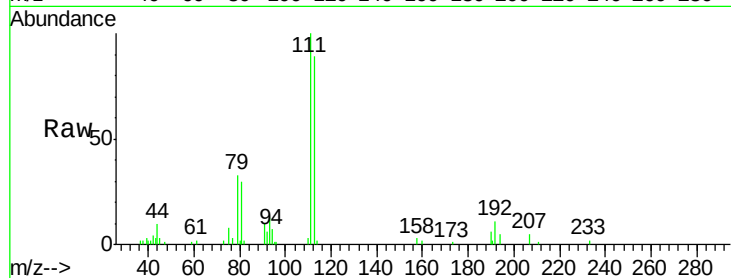




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.22 min Scan# 374
Delta R.T. -0.01 min
Lab File: VF059432.D
Acq: 5 Jul 2018 14:21

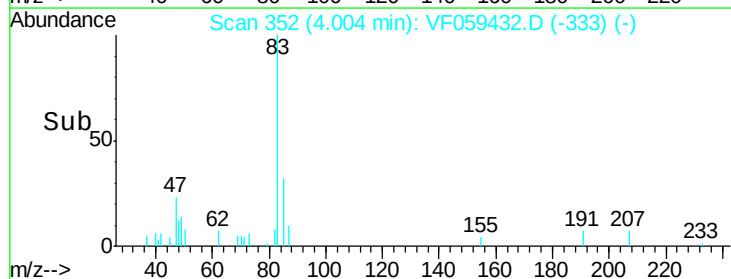
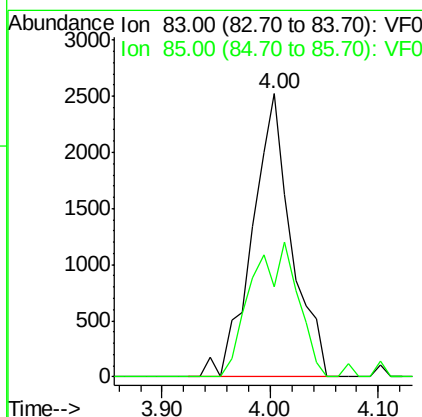
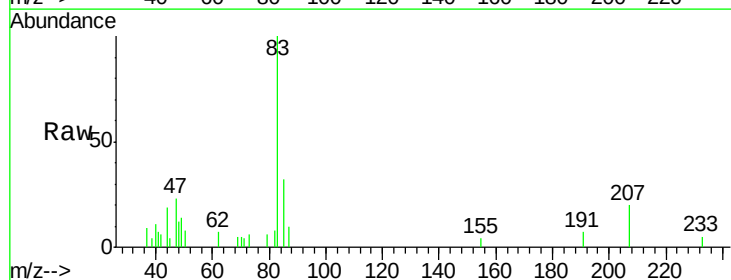
Instrument :
MSVOA_F
ClientSampled :

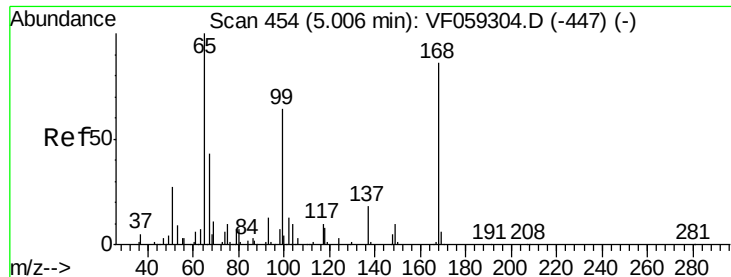
Tot Ion: 42 Resp: 550
Ion Ratio Lower Upper
42 100
72 24.0 30.5 45.7#
71 59.8 32.5 48.7#



#30
Chloroform
Concen: 1.134 ug/l
RT: 4.00 min Scan# 352
Delta R.T. -0.02 min
Lab File: VF059432.D
Acq: 5 Jul 2018 14:21

Tgt Ion: 83 Resp: 6358
Ion Ratio Lower Upper
83 100
85 31.8 51.3 76.9#





#33

1,2-Dichloroethane-d4

Concen: 58.929 ug/l

RT: 4.99 min Scan# 452

Delta R.T. -0.02 min

Lab File: VF059432.D

Acq: 5 Jul 2018 14:21

Instrument :

MSVOA_F

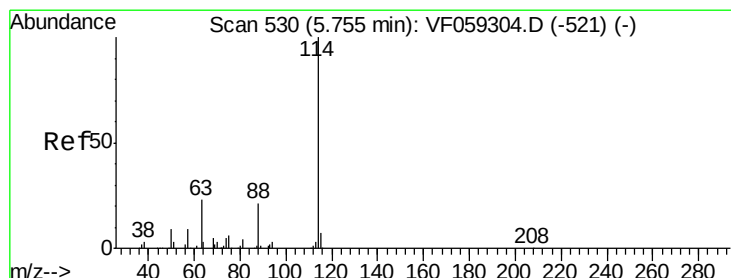
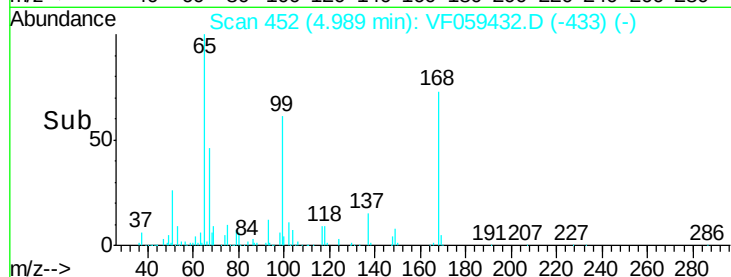
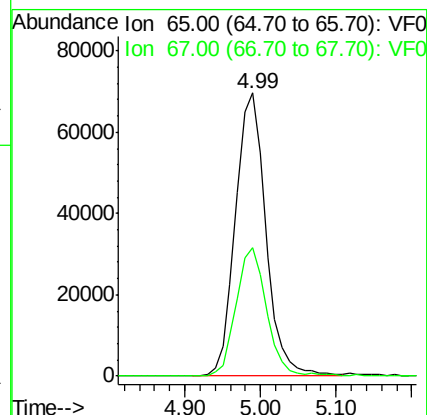
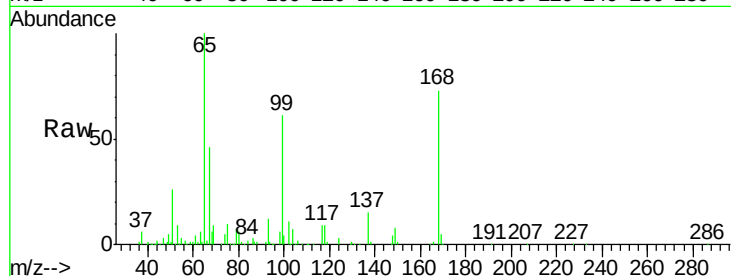
ClientSampleId :

Tot Ion: 65 Resp: 194081

Ion Ratio Lower Upper

65 100

67 45.5 0.0 96.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.73 min Scan# 527

Delta R.T. -0.03 min

Lab File: VF059432.D

Acq: 5 Jul 2018 14:21

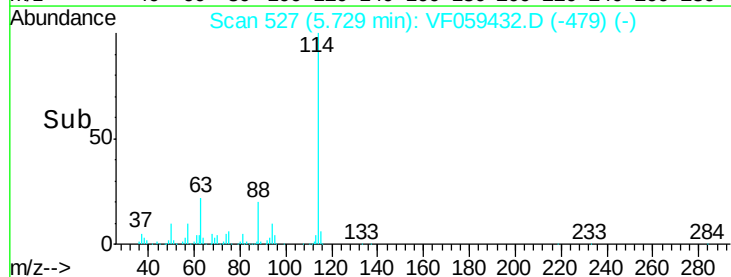
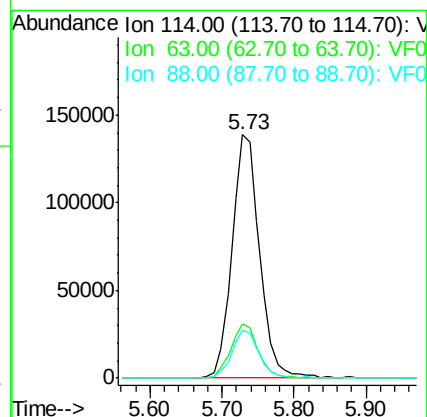
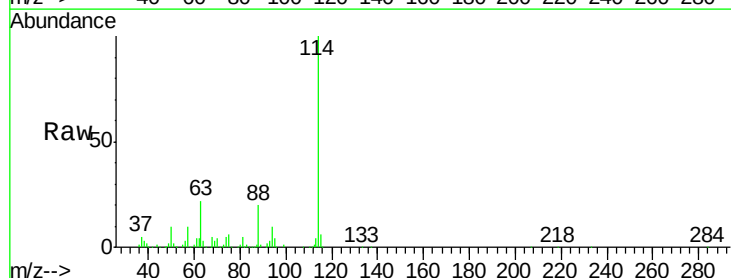
Tgt Ion: 114 Resp: 367736

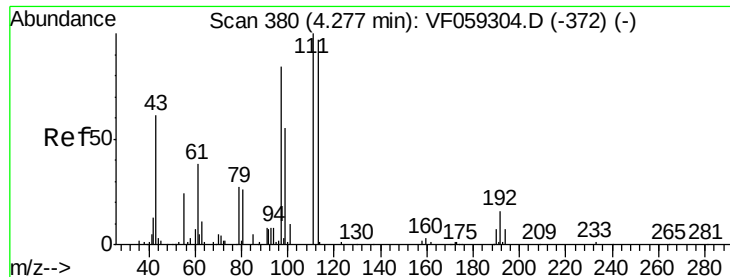
Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.8

88 19.8 0.0 41.2

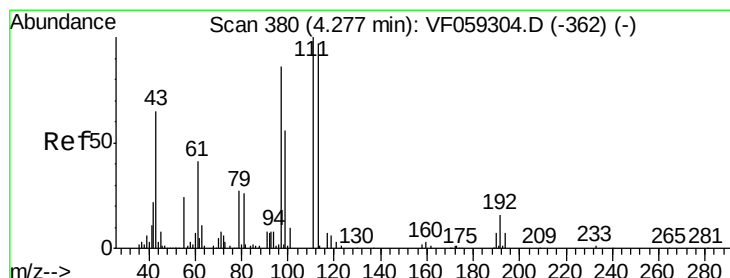
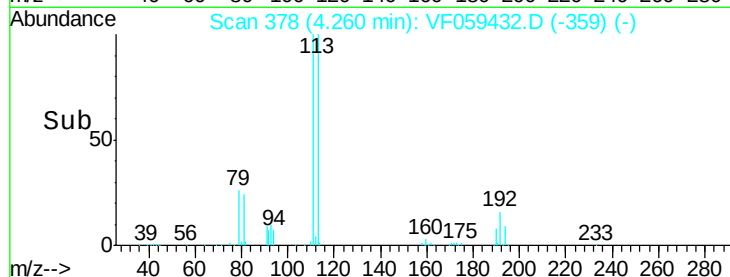
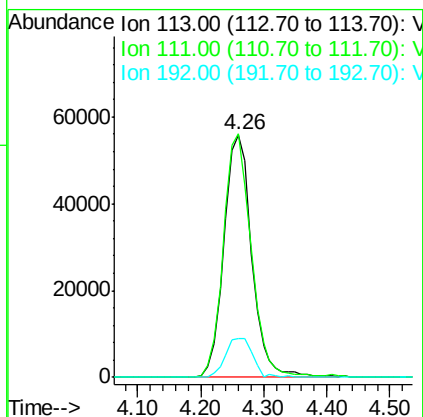
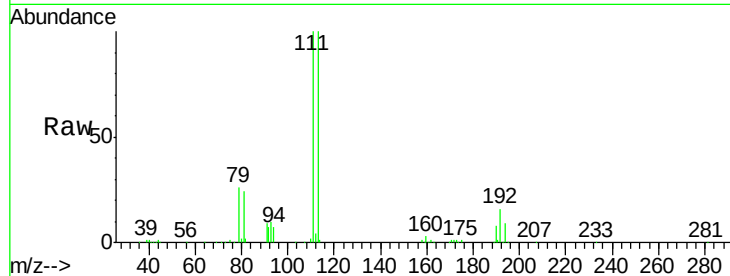




#35
 Dibromofluoromethane
 Concen: 63.710 ug/l
 RT: 4.26 min Scan# 378
 Delta R.T. -0.02 min
 Lab File: VF059432.D
 Acq: 5 Jul 2018 14:21

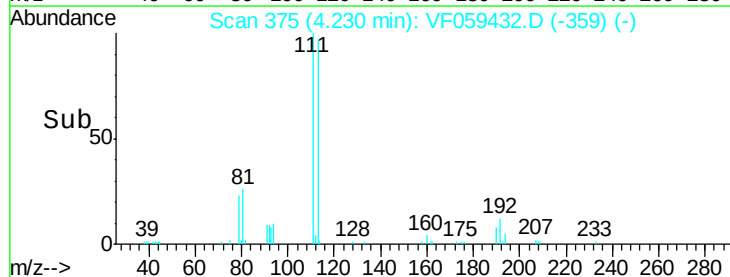
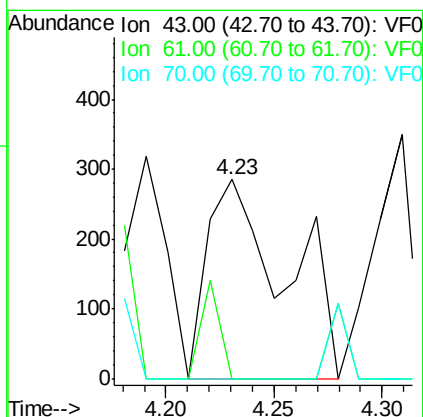
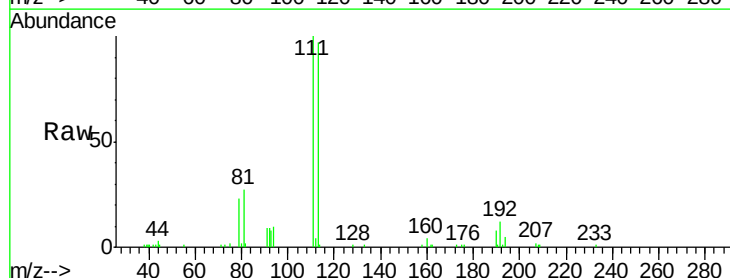
Instrument :
 MSVOA_F
 ClientSampleId :

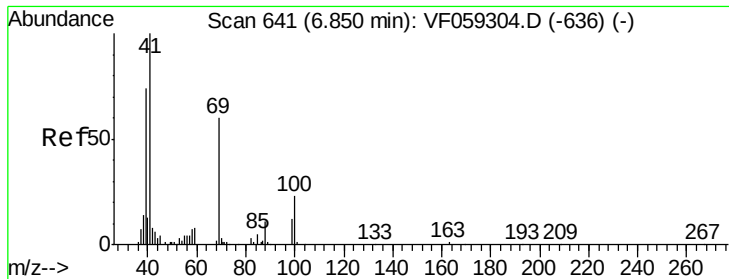
Tot Ion:113 Resp: 171183
 Ion Ratio Lower Upper
 113 100
 111 100.3 82.1 123.1
 192 16.2 13.0 19.6



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.23 min Scan# 375
 Delta R.T. -0.05 min
 Lab File: VF059432.D
 Acq: 5 Jul 2018 14:21

Tgt Ion: 43 Resp: 717
 Ion Ratio Lower Upper
 43 100
 61 0.0 50.1 75.1#
 70 0.0 6.2 9.4#

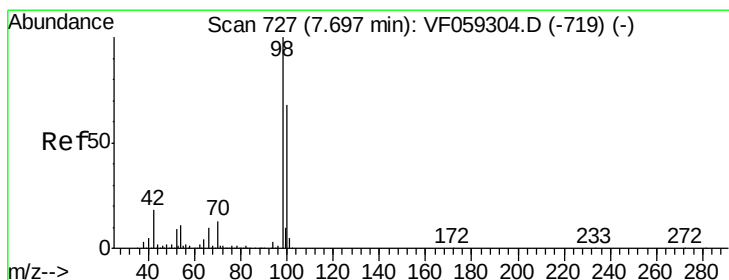
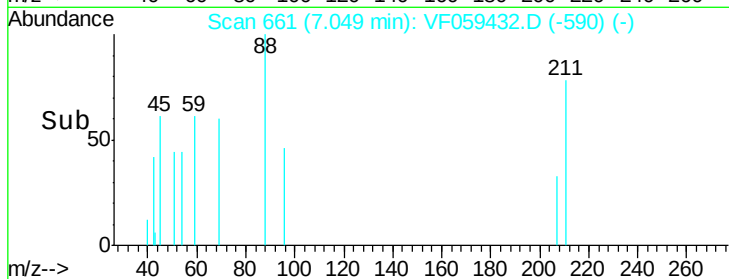
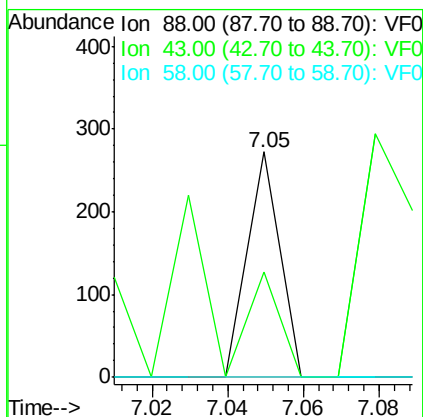
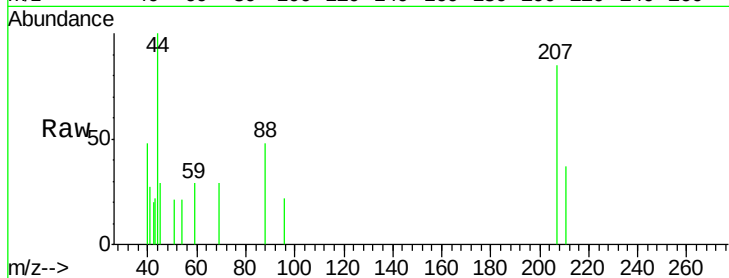




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.05 min Scan# 661
Delta R.T. 0.20 min
Lab File: VF059432.D
Acq: 5 Jul 2018 14:21

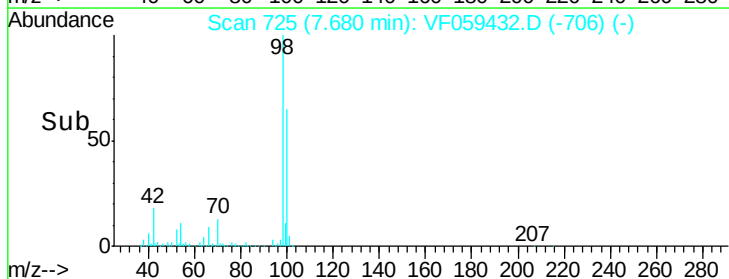
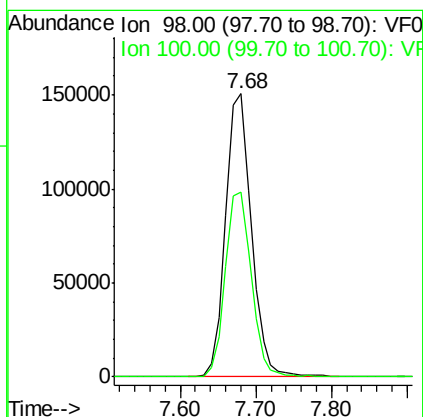
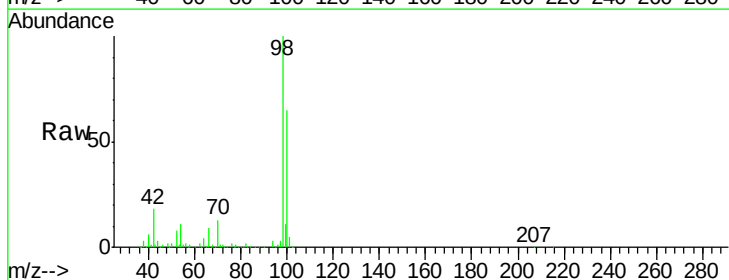
Instrument :
MSVOA_F
ClientSampleId :

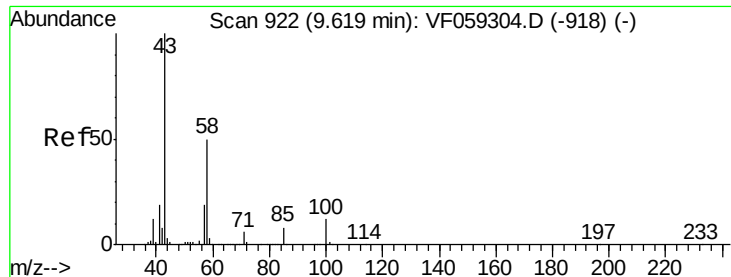
Tot Ion: 88 Resp: 161
Ion Ratio Lower Upper
88 100
43 46.7 50.6 75.8#
58 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 53.605 ug/l
RT: 7.68 min Scan# 725
Delta R.T. -0.02 min
Lab File: VF059432.D
Acq: 5 Jul 2018 14:21

Tgt Ion: 98 Resp: 356613
Ion Ratio Lower Upper
98 100
100 65.5 54.6 82.0

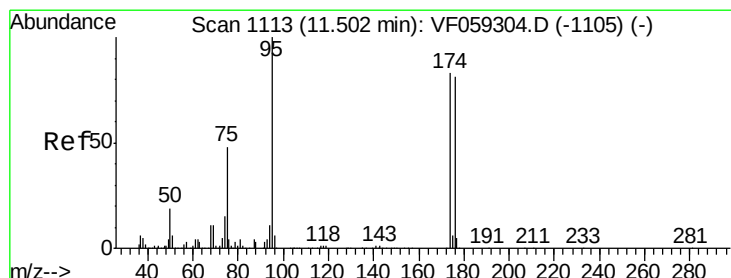
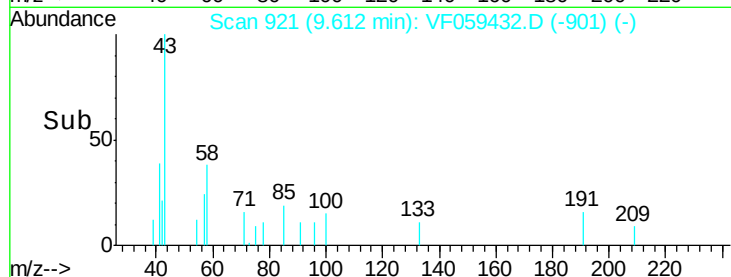
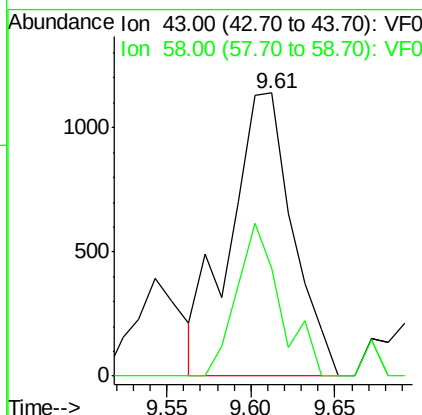
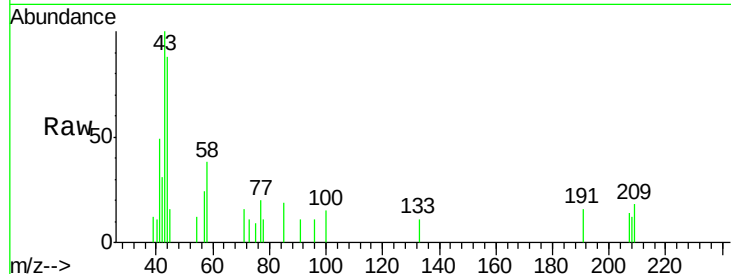




#59
2-Hexanone
Concen: Below Cal
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059432.D
Acq: 5 Jul 2018 14:21

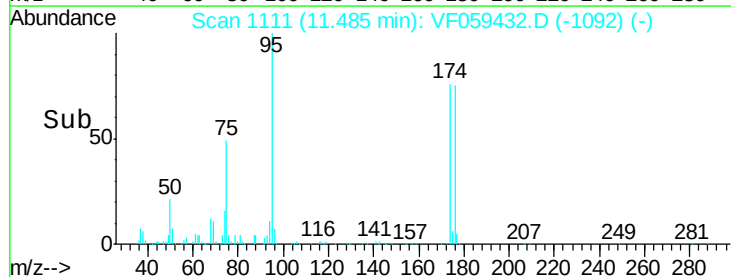
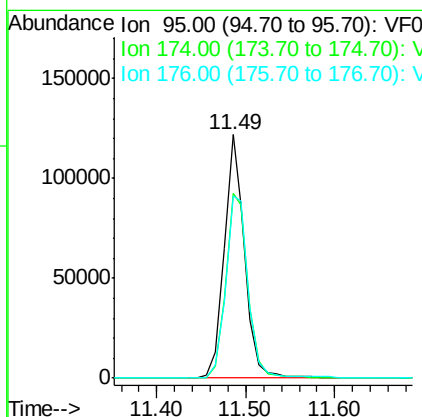
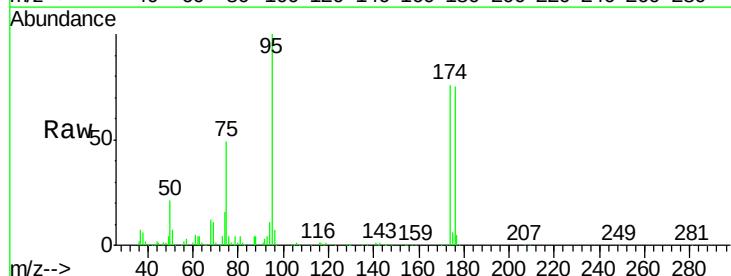
Instrument :
MSVOA_F
ClientSampleId :

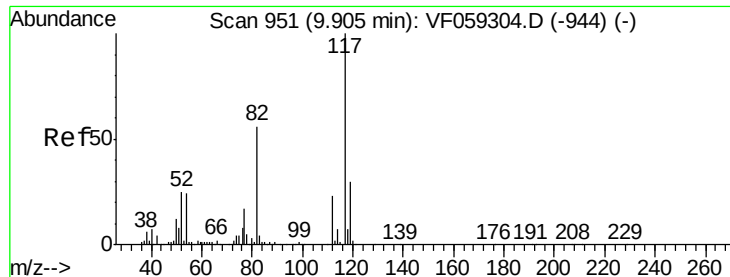
Tot Ion: 43 Resp: 2951
Ion Ratio Lower Upper
43 100
58 38.1 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 52.557 ug/l
RT: 11.49 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VF059432.D
Acq: 5 Jul 2018 14:21

Tgt Ion: 95 Resp: 197229
Ion Ratio Lower Upper
95 100
174 76.1 0.0 165.2
176 74.8 0.0 161.0

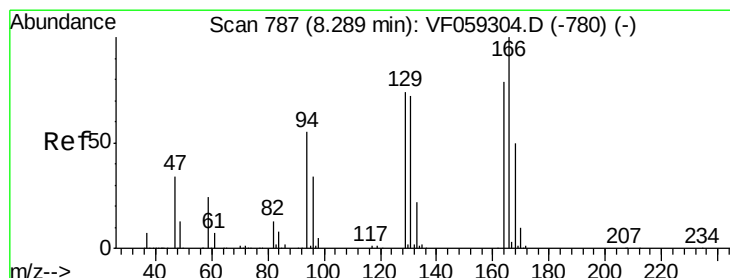
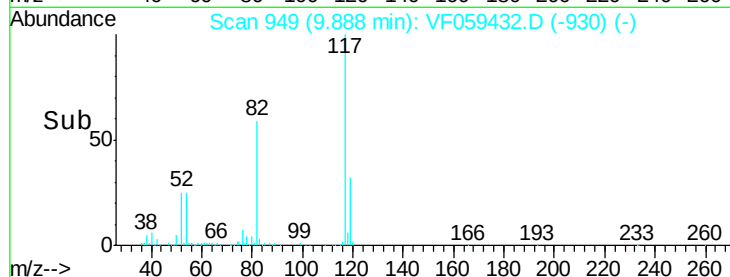
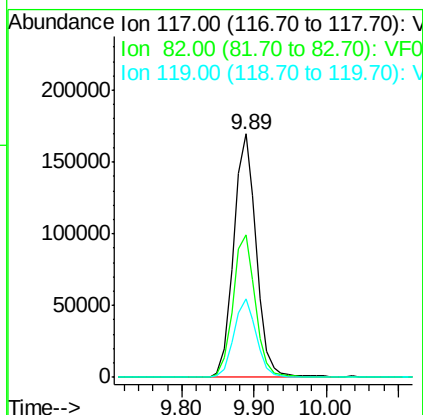
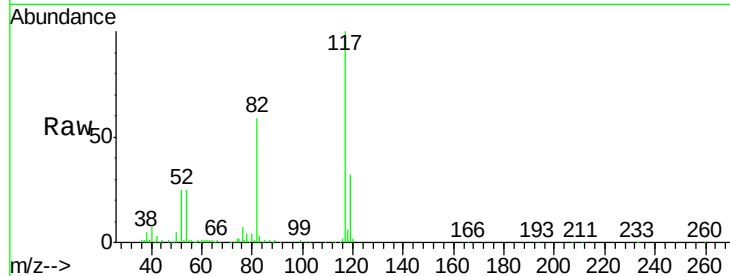




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 949
Delta R.T. -0.02 min
Lab File: VF059432.D
Acq: 5 Jul 2018 14:21

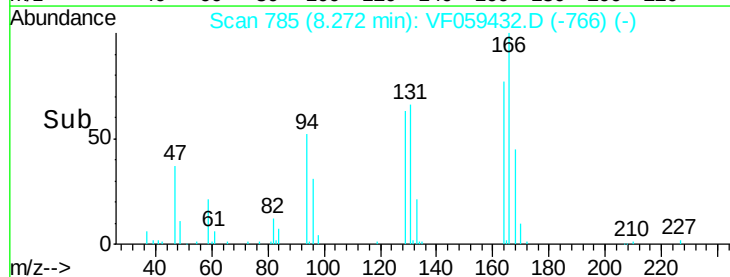
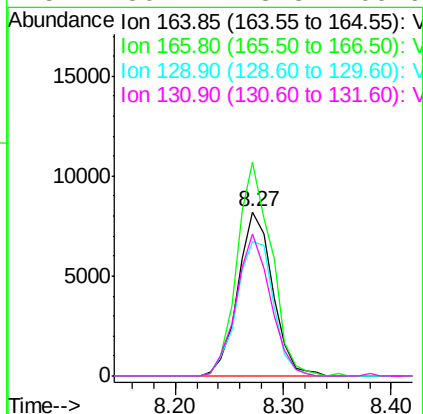
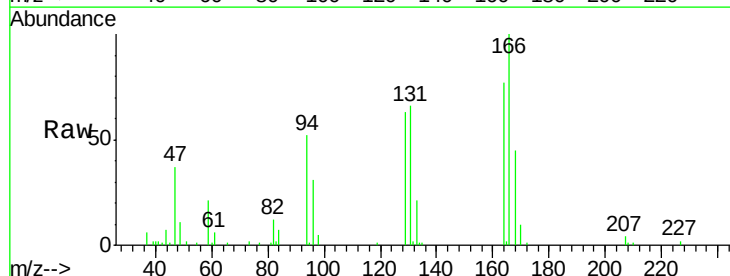
Instrument :
MSVOA_F
ClientSampleId :

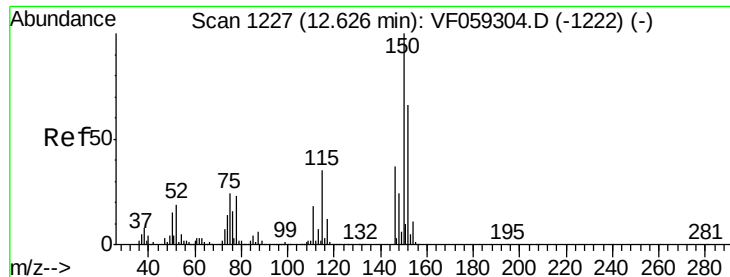
Tot Ion:117 Resp: 371409
Ion Ratio Lower Upper
117 100
82 58.7 44.6 66.8
119 32.0 24.1 36.1



#64
Tetrachloroethene
Concen: 7.640 ug/l
RT: 8.27 min Scan# 785
Delta R.T. -0.02 min
Lab File: VF059432.D
Acq: 5 Jul 2018 14:21

Tgt Ion:164 Resp: 18404
Ion Ratio Lower Upper
164 100
166 130.0 101.1 151.7
129 82.2 75.0 112.4
131 86.2 73.3 109.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF059432.D

Acq: 5 Jul 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

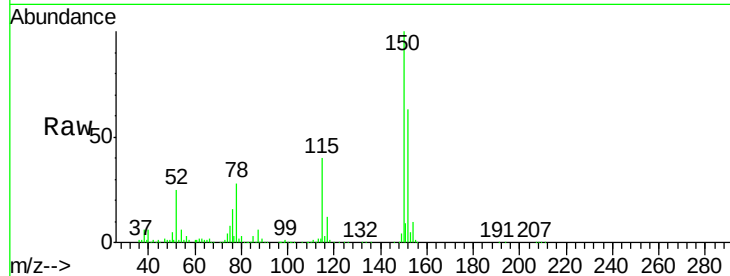
Tot Ion:152 Resp: 218522

Ion Ratio Lower Upper

152 100

115 64.4 27.1 81.3

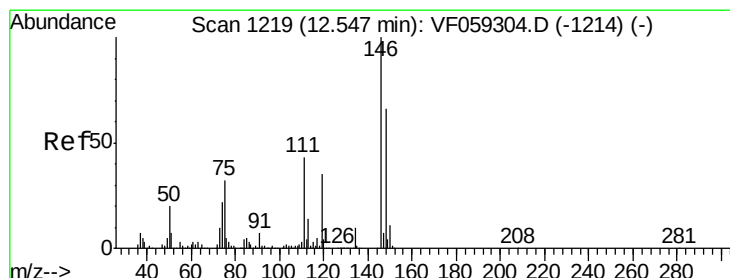
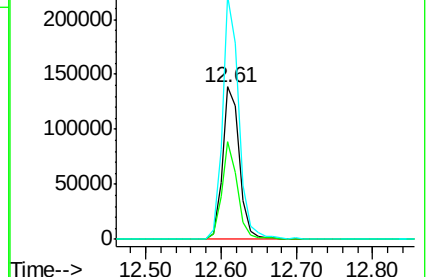
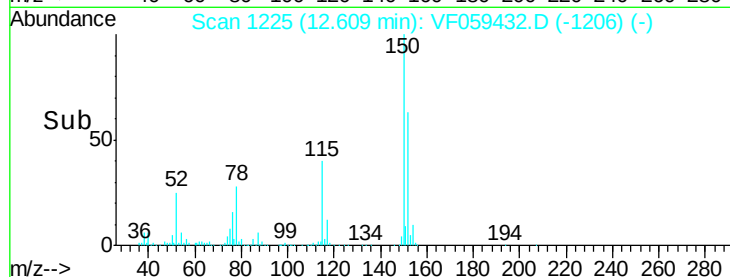
150 160.0 0.0 305.2



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



#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059432.D

Acq: 5 Jul 2018 14:21

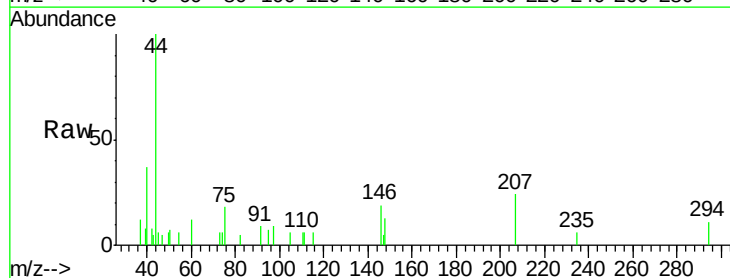
Tgt Ion:146 Resp: 492

Ion Ratio Lower Upper

146 100

111 29.7 21.4 64.2

148 65.8 32.8 98.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

