

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF070318\
 Data File : VF059419.D
 Acq On : 3 Jul 2018 18:30
 Operator : VA/AP
 Sample : J3826-01RE
 Misc : 5.99g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-03-070218RE

Quant Time: Jul 04 00:13:19 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

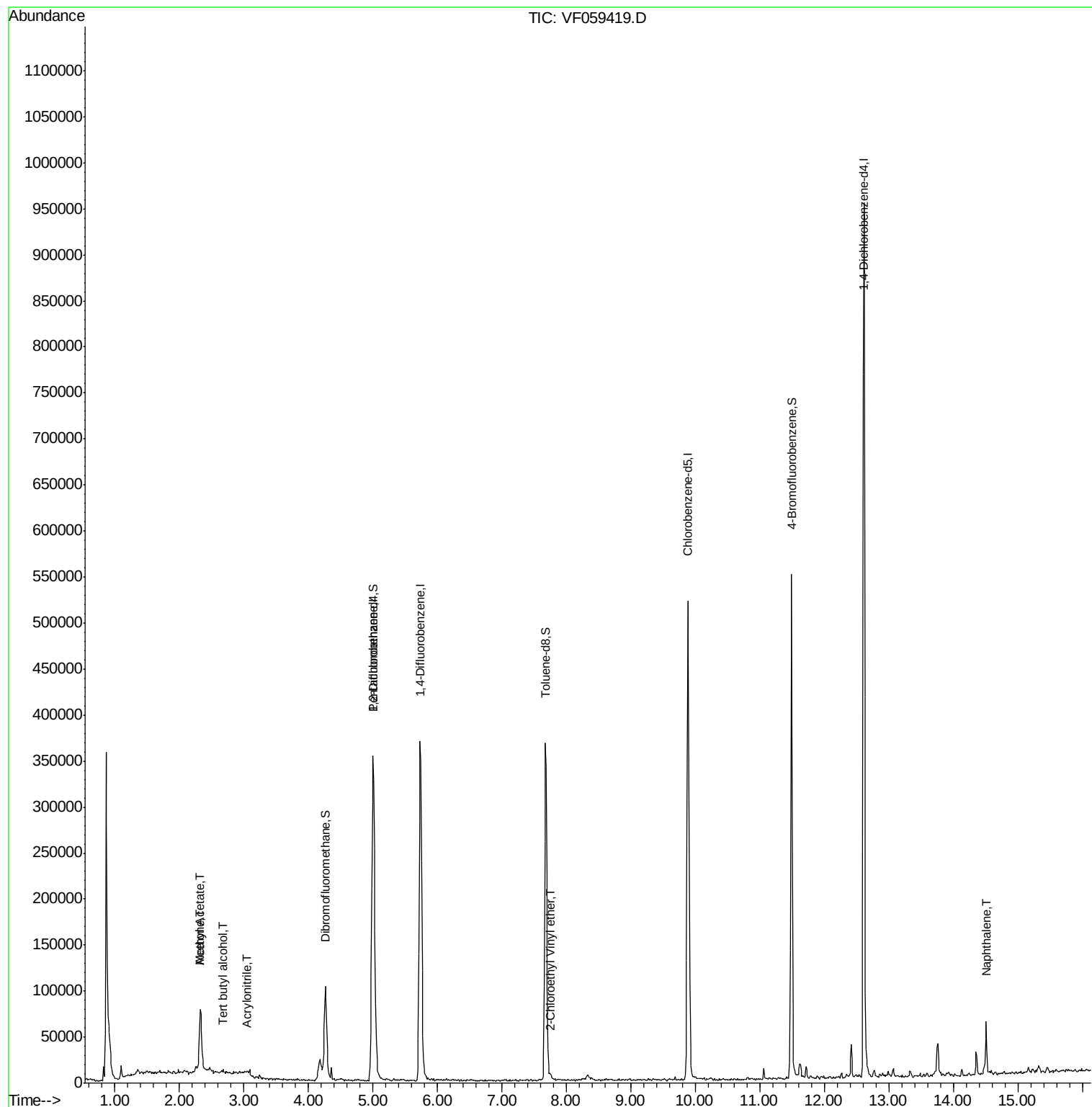
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	235275	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.73	114	382891	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.88	117	365298	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	238779	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	171097	56.29	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	112.58%	
35) Dibromofluoromethane	4.26	113	85304	30.49	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	60.98%	
50) Toluene-d8	7.68	98	304694	43.99	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	87.98%	
62) 4-Bromofluorobenzene	11.49	95	185598	47.50	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	95.00%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.32	94	324	Below Cal	#	54
11) Tert butyl alcohol	2.67	59	1558	7.699 ug/l	#	35
13) Acrolein	2.09	56	1311	Below Cal	#	1
15) Acrylonitrile	3.03	53	928	2.604 ug/l	#	67
16) Acetone	2.32	43	115617	148.140 ug/l	#	91
18) Methyl Acetate	2.32	43	110395	81.190 ug/l	#	61
20) Methylene Chloride	2.31	84	4777	Below Cal	#	75
28) Bromochloromethane	3.86	49	60	Below Cal	#	6
29) Tetrahydrofuran	3.91	42	190	Below Cal	#	88
37) Ethyl Acetate	4.30	43	217	Below Cal	#	26
49) 1,4-Dioxane	6.86	88	114	Below Cal	#	59
58) 2-Chloroethyl Vinyl ether	7.76	63	445	2.223 ug/l		100
59) 2-Hexanone	9.61	43	879	Below Cal		88
87) 1,3-Dichlorobenzene	12.55	146	176	Below Cal	#	23
95) Naphthalene	14.51	128	39253	3.621 ug/l		97

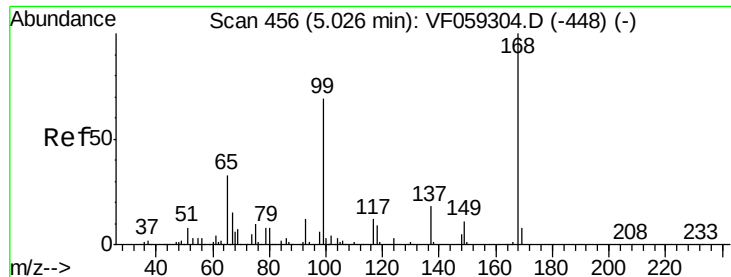
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059419.D

Acq: 3 Jul 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

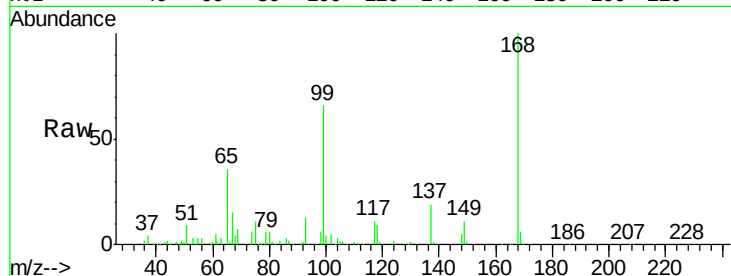
OK-03-070218RE

Tgt Ion:168 Resp: 235275

Ion Ratio Lower Upper

168 100

99 66.0 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

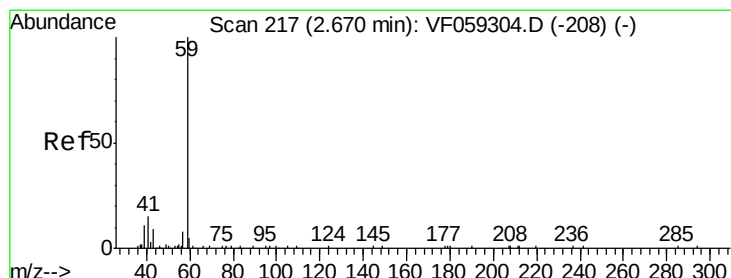
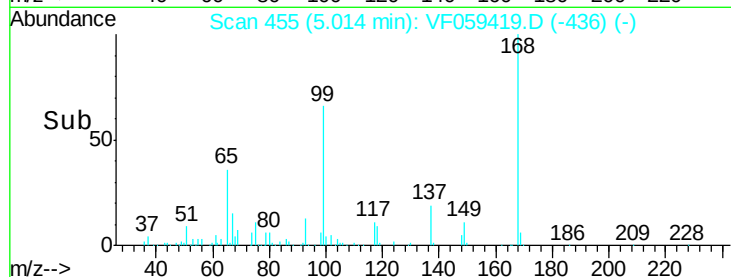
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.699 ug/l

RT: 2.67 min Scan# 217

Delta R.T. -0.00 min

Lab File: VF059419.D

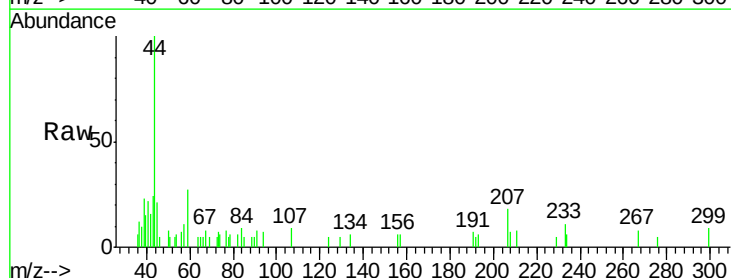
Acq: 3 Jul 2018 18:30

Tgt Ion: 59 Resp: 1558

Ion Ratio Lower Upper

59 100

57 39.9 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

600

500

400

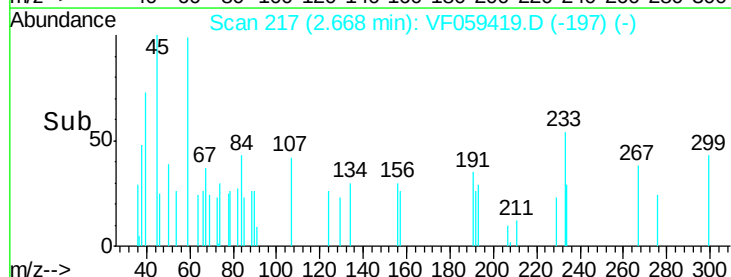
300

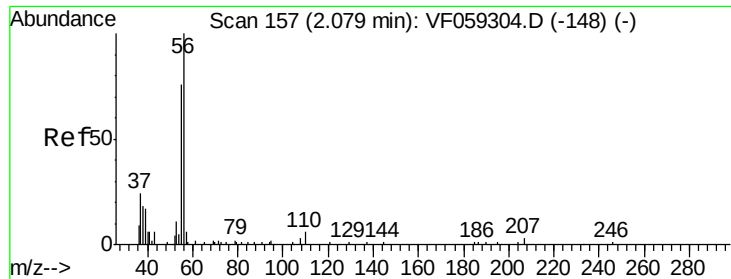
200

100

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF059419.D

Acq: 3 Jul 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

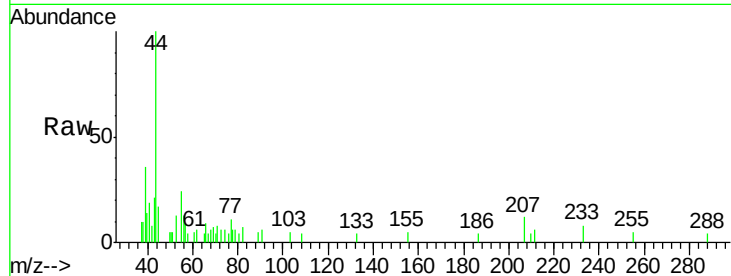
OK-03-070218RE

Tgt Ion: 56 Resp: 1311

Ion Ratio Lower Upper

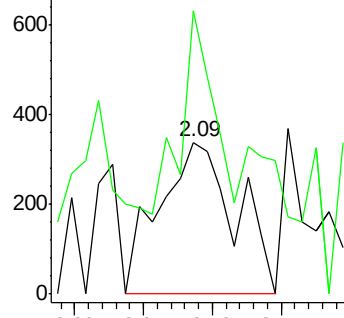
56 100

55 186.7 62.4 93.6#

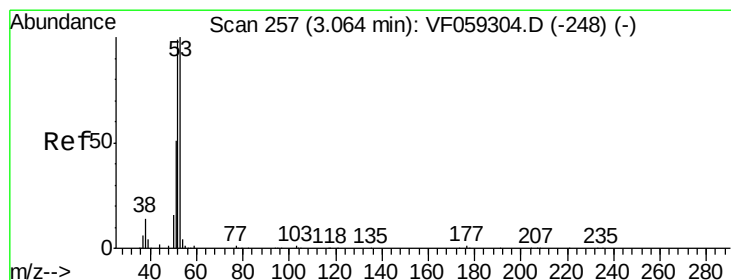
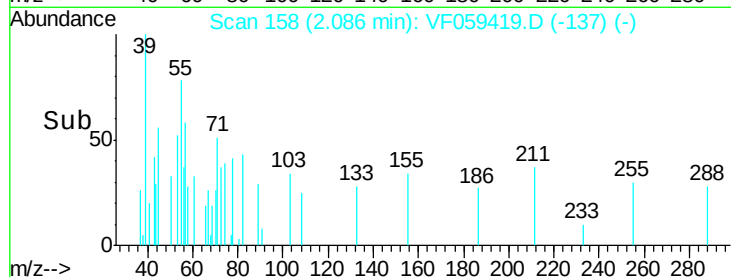


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#15

Acrylonitrile

Concen: 2.604 ug/l

RT: 3.03 min Scan# 254

Delta R.T. -0.03 min

Lab File: VF059419.D

Acq: 3 Jul 2018 18:30

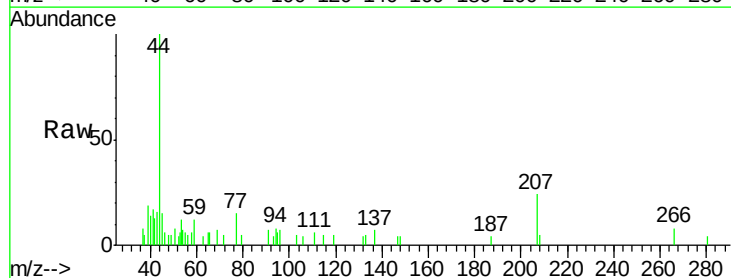
Tgt Ion: 53 Resp: 928

Ion Ratio Lower Upper

53 100

52 56.2 79.2 118.8#

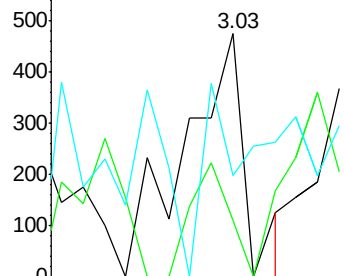
51 41.9 40.9 61.3



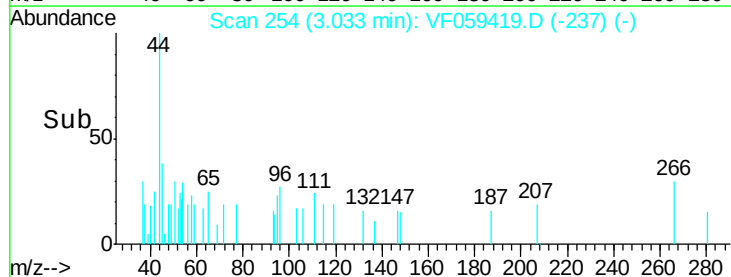
Abundance Ion 53.00 (52.70 to 53.70): VF0

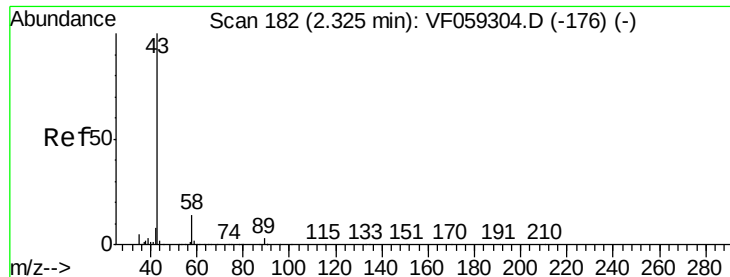
Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->

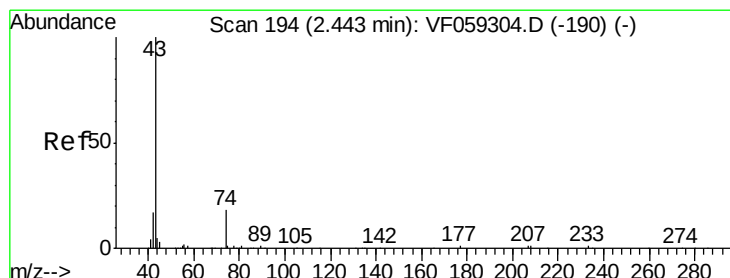
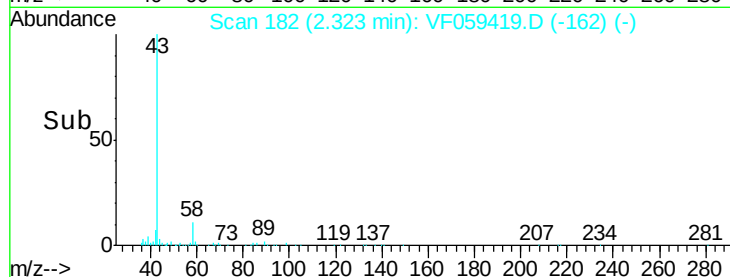
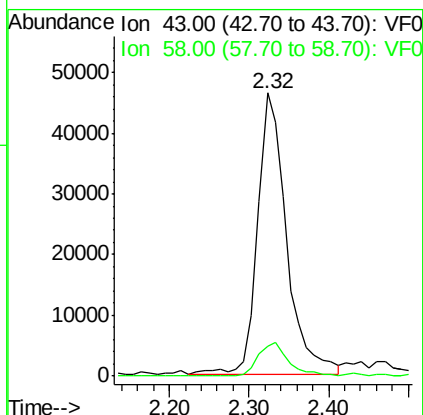
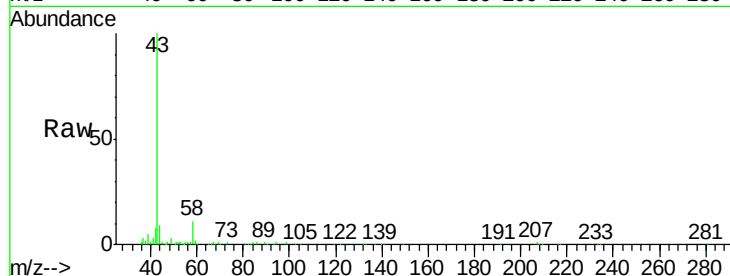




#16
Acetone
Concen: 148.140 ug/l
RT: 2.32 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF059419.D
Acq: 3 Jul 2018 18:30

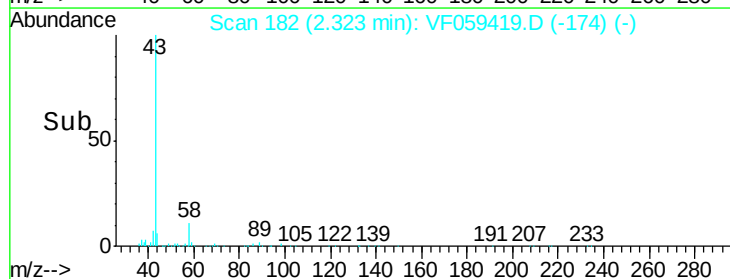
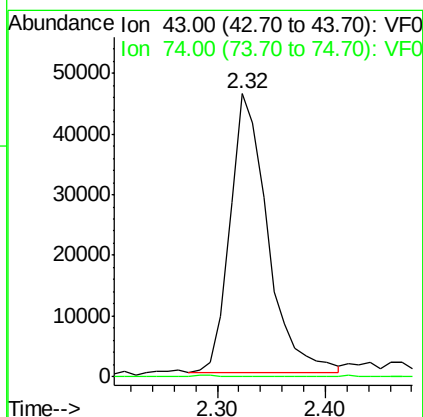
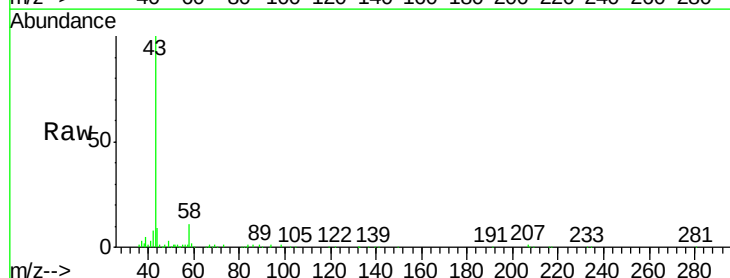
Instrument :
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OK-03-070218RE

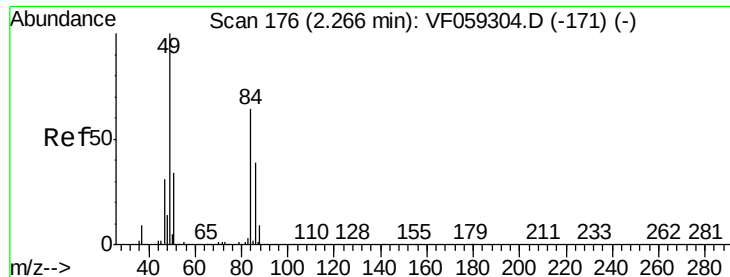
Tgt Ion: 43 Resp: 115617
Ion Ratio Lower Upper
43 100
58 10.7 11.4 17.0#



#18
Methyl Acetate
Concen: 81.190 ug/l
RT: 2.32 min Scan# 182
Delta R.T. -0.12 min
Lab File: VF059419.D
Acq: 3 Jul 2018 18:30

Tgt Ion: 43 Resp: 110395
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#

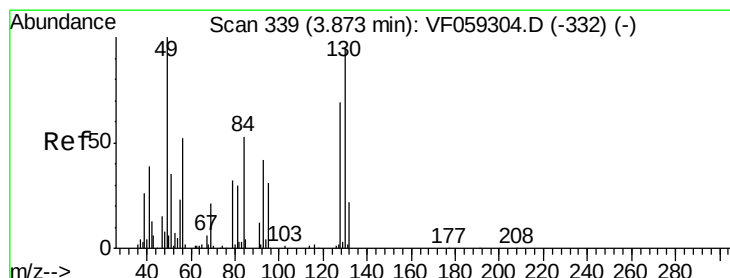
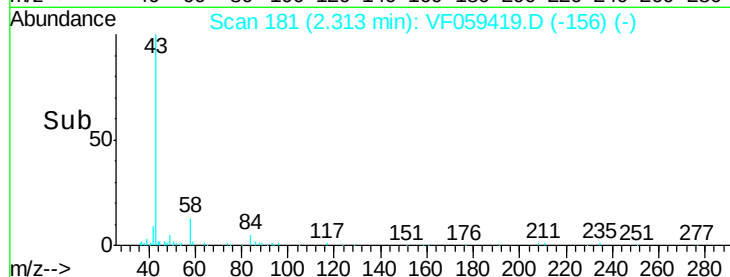
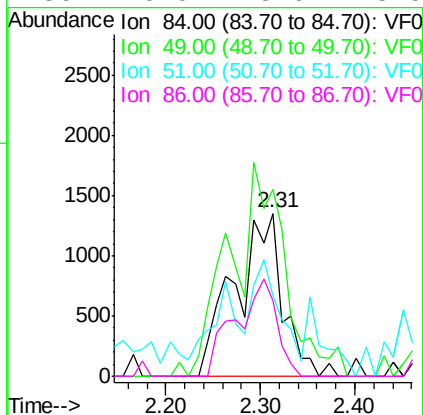
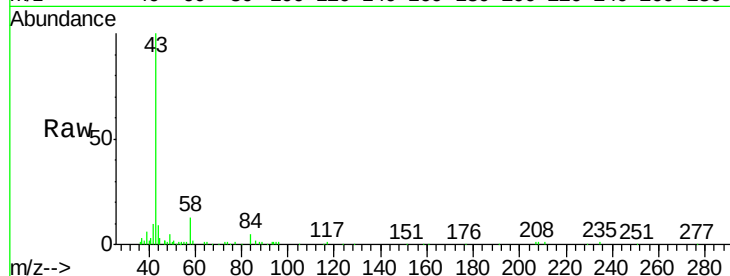




#20
Methylene Chloride
Concen: Below Cal
RT: 2.31 min Scan# 181
Delta R.T. 0.05 min
Lab File: VF059419.D
Acq: 3 Jul 2018 18:30

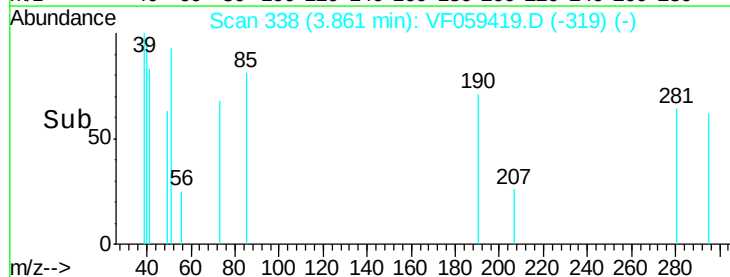
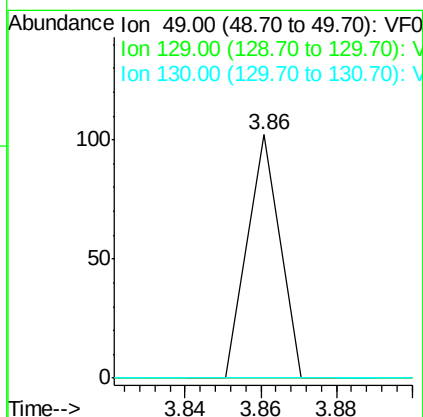
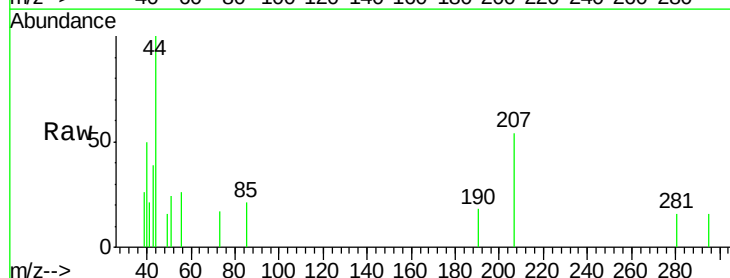
Instrument :
MSVOA_F
ClientSampleId :
OK-03-070218RE

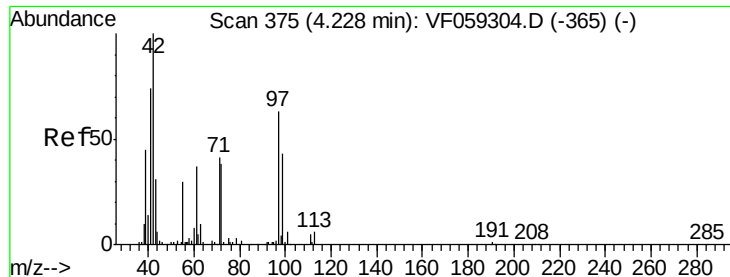
Tgt Ion: 84 Resp: 4777
Ion Ratio Lower Upper
84 100
49 114.9 126.5 189.7#
51 49.3 42.9 64.3
86 46.0 48.6 73.0#



#28
Bromochloromethane
Concen: Below Cal
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059419.D
Acq: 3 Jul 2018 18:30

Tgt Ion: 49 Resp: 60
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.4
130 0.0 75.1 112.7#

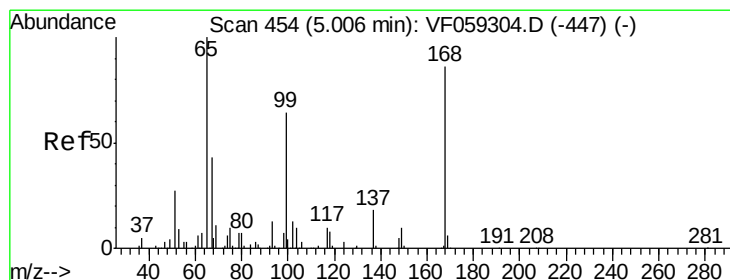
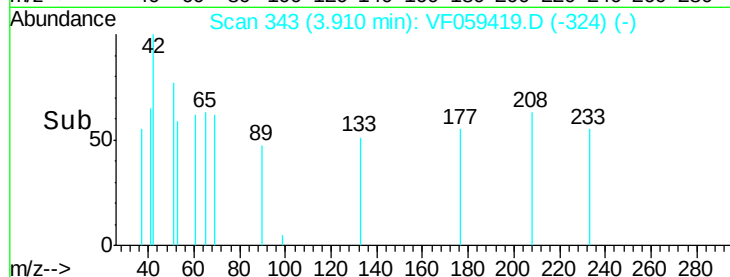
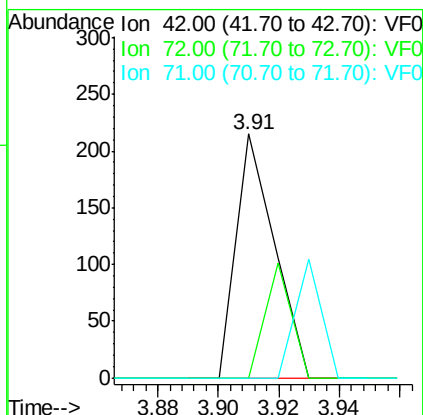
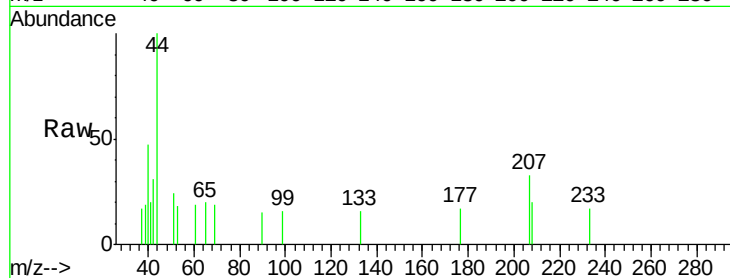




#29
Tetrahydrofuran
Concen: Below Cal
RT: 3.91 min Scan# 343
Delta R.T. -0.32 min
Lab File: VF059419.D
Acq: 3 Jul 2018 18:30

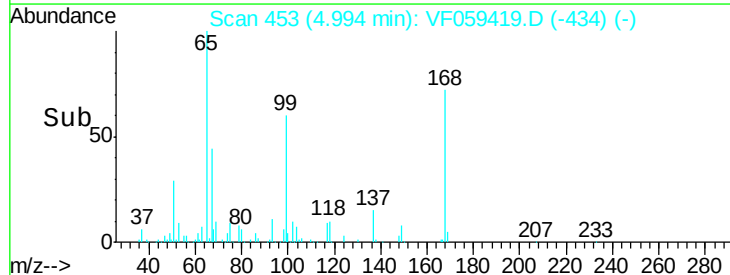
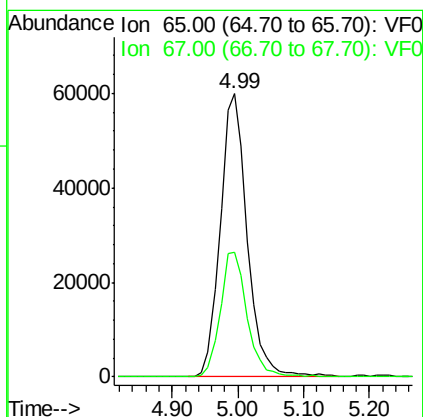
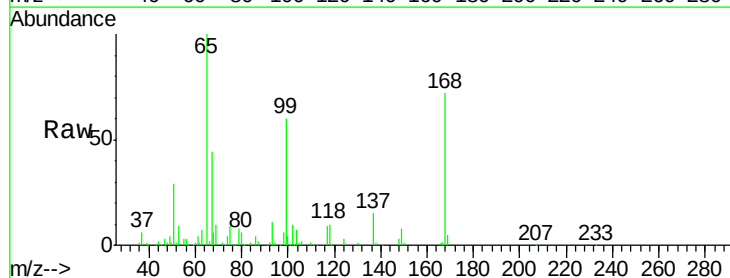
Instrument :
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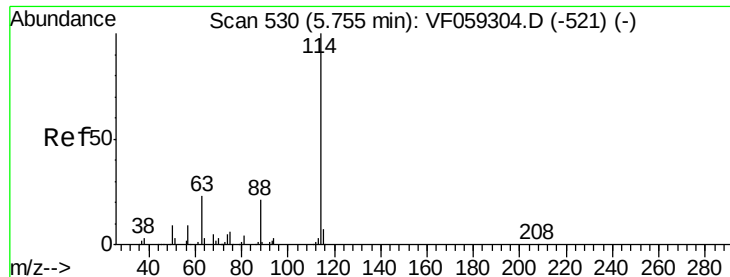
Tgt Ion: 42 Resp: 190
Ion Ratio Lower Upper
42 100
72 31.6 30.5 45.7
71 32.6 32.5 48.7



#33
1,2-Dichloroethane-d4
Concen: 56.287 ug/l
RT: 4.99 min Scan# 453
Delta R.T. -0.01 min
Lab File: VF059419.D
Acq: 3 Jul 2018 18:30

Tgt Ion: 65 Resp: 171097
Ion Ratio Lower Upper
65 100
67 43.8 0.0 96.8

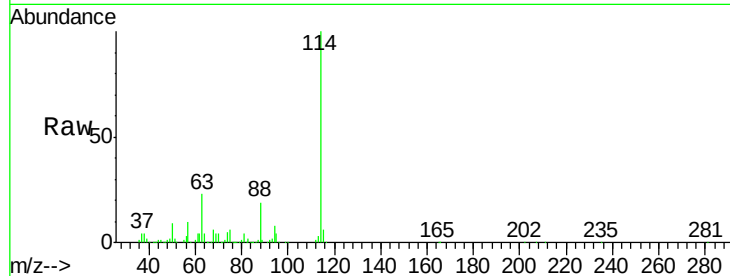




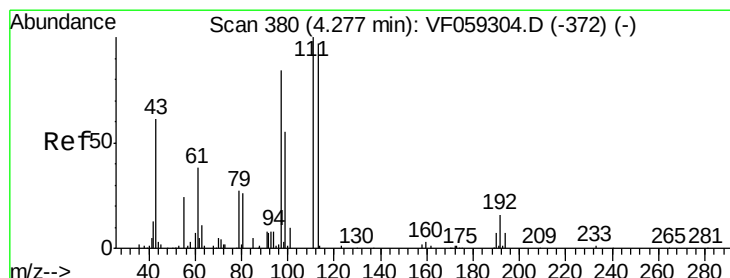
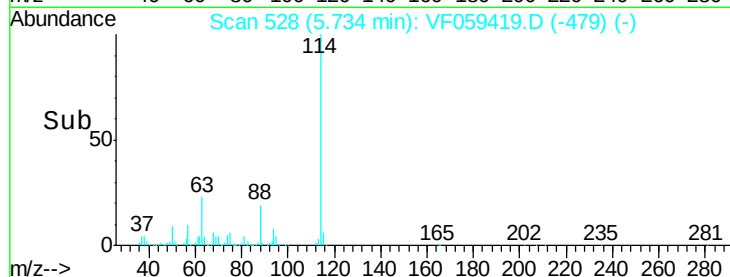
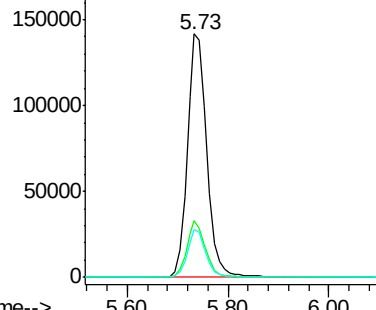
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.73 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VF059419.D
 Acq: 3 Jul 2018 18:30

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 MSVOA_F
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Tgt Ion:114 Resp: 382891
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.8
 88 19.5 0.0 41.2

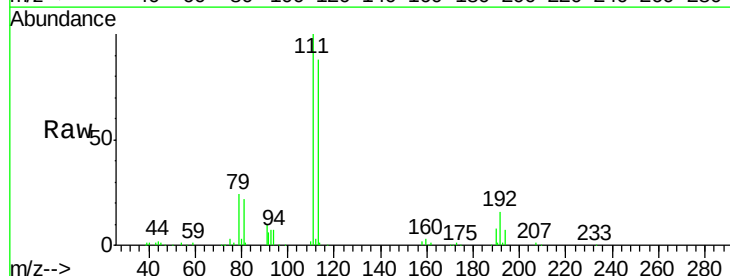


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

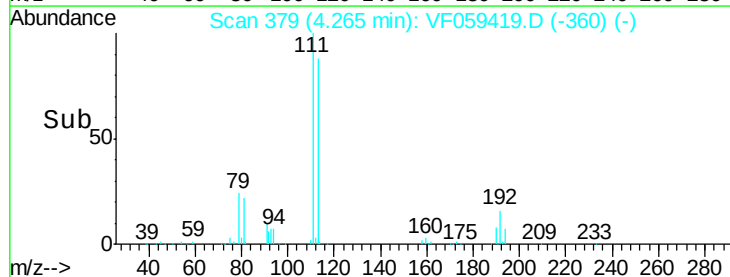
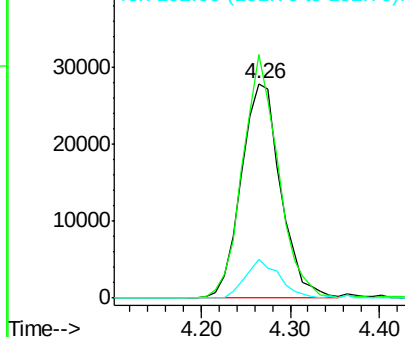


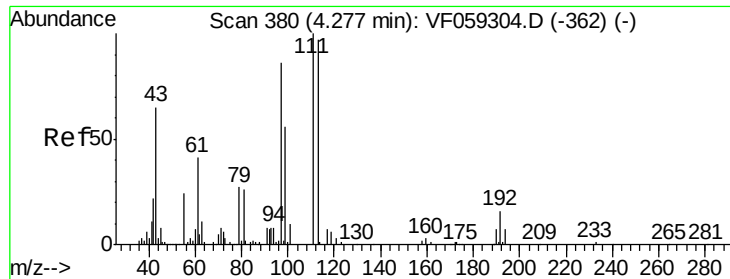
#35
 Dibromofluoromethane
 Concen: 30.491 ug/l
 RT: 4.26 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VF059419.D
 Acq: 3 Jul 2018 18:30

Tgt Ion:113 Resp: 85304
 Ion Ratio Lower Upper
 113 100
 111 113.5 82.1 123.1
 192 18.1 13.0 19.6



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

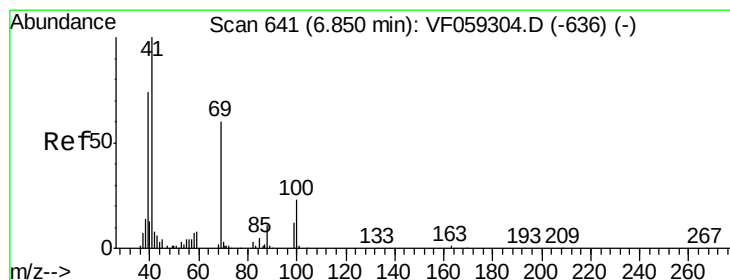
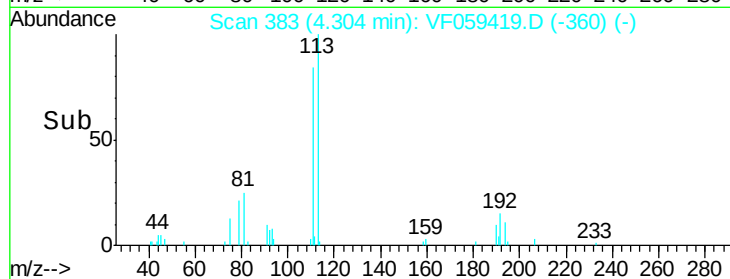
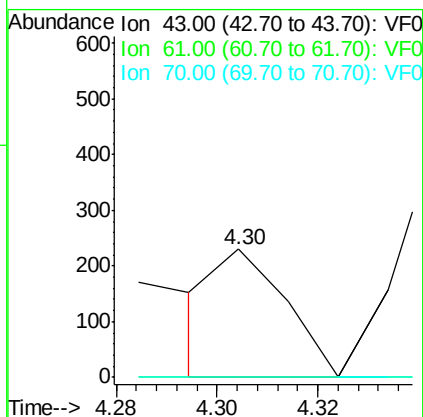
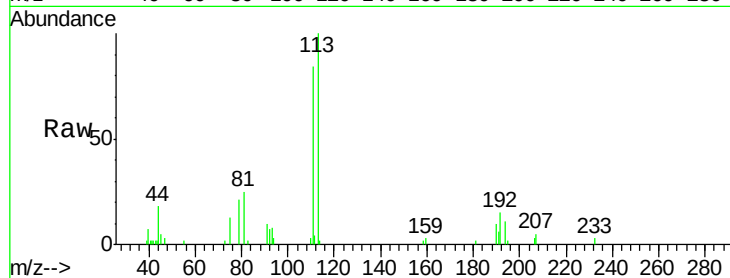




#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.30 min Scan# 383
 Delta R.T. 0.03 min
 Lab File: VF059419.D
 Acq: 3 Jul 2018 18:30

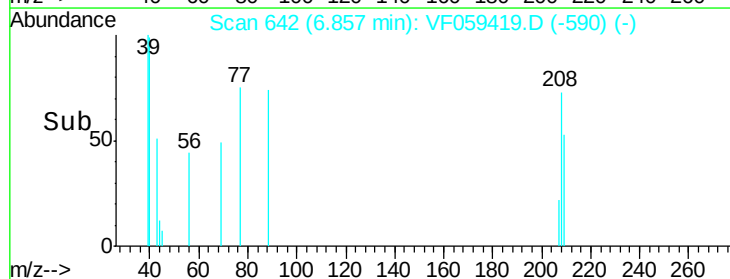
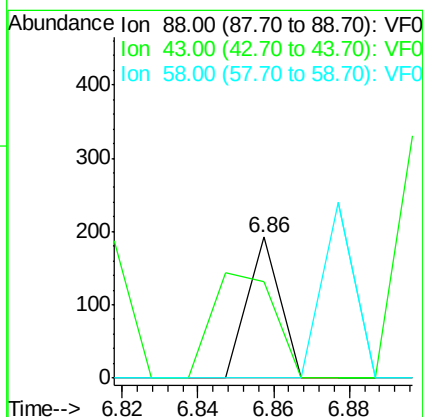
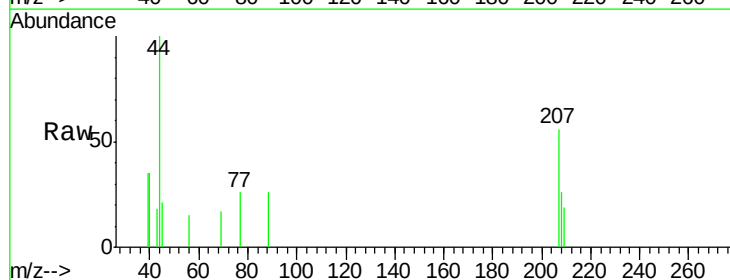
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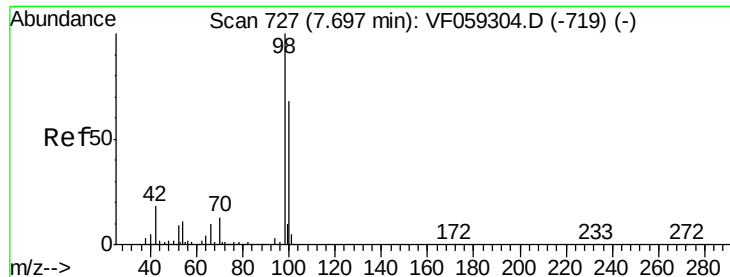
Tgt Ion: 43 Resp: 217
 Ion Ratio Lower Upper
 43 100
 61 0.0 50.1 75.1#
 70 0.0 6.2 9.4#



#49
 1,4-Dioxane
 Concen: Below Cal
 RT: 6.86 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: VF059419.D
 Acq: 3 Jul 2018 18:30

Tgt Ion: 88 Resp: 114
 Ion Ratio Lower Upper
 88 100
 43 68.2 50.6 75.8
 58 0.0 46.6 69.8#

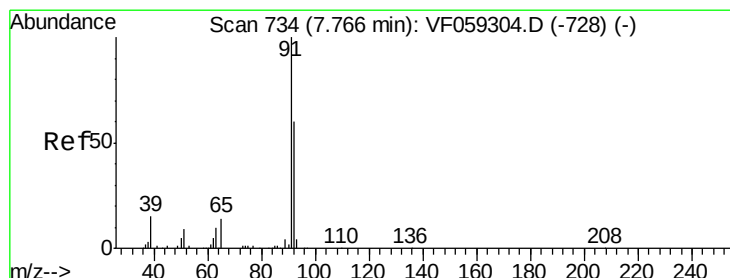
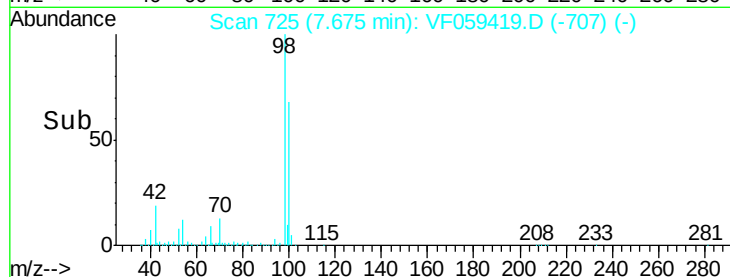
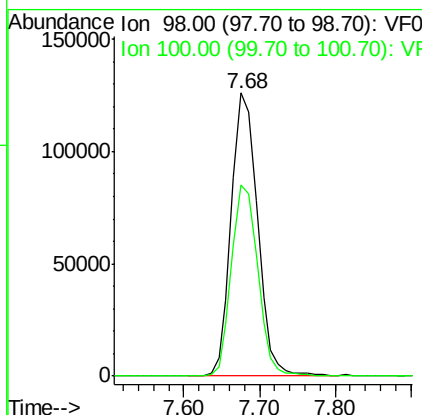
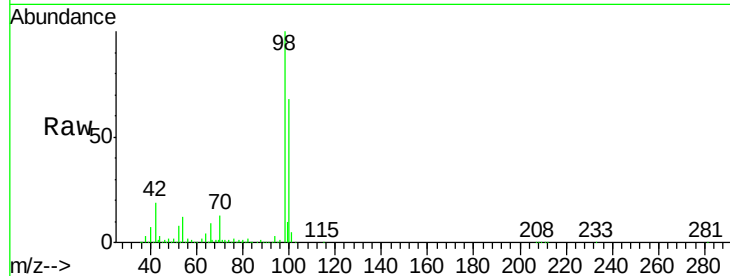




#50
Toluene-d8
Concen: 43.988 ug/l
RT: 7.68 min Scan# 725
Delta R.T. -0.02 min
Lab File: VF059419.D
Acq: 3 Jul 2018 18:30

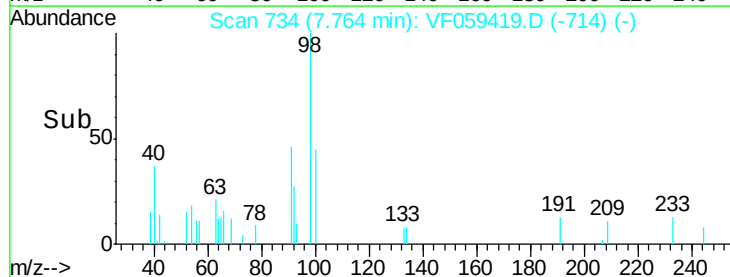
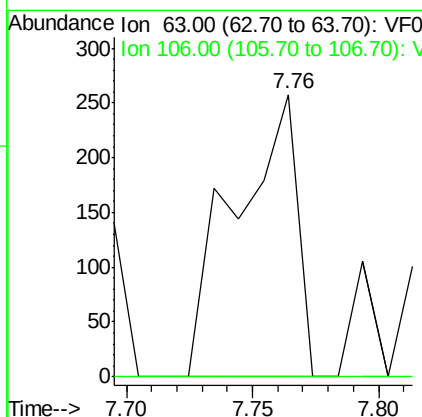
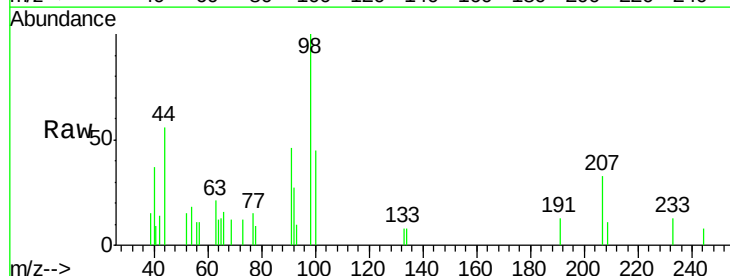
Instrument :
MSVOA_F
ClientSampleId :
OK-03-070218RE

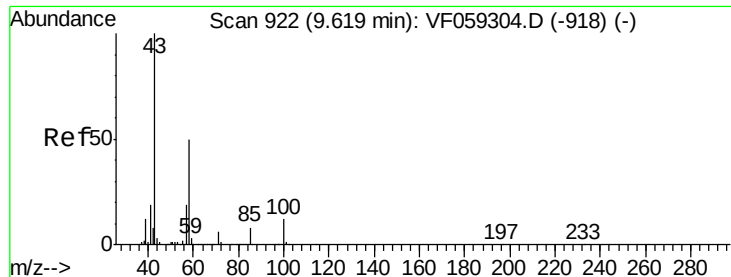
Tgt Ion: 98 Resp: 304694
Ion Ratio Lower Upper
98 100
100 67.6 54.6 82.0



#58
2-Chloroethyl Vinyl ether
Concen: 2.223 ug/l
RT: 7.76 min Scan# 734
Delta R.T. -0.00 min
Lab File: VF059419.D
Acq: 3 Jul 2018 18:30

Tgt Ion: 63 Resp: 445
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0

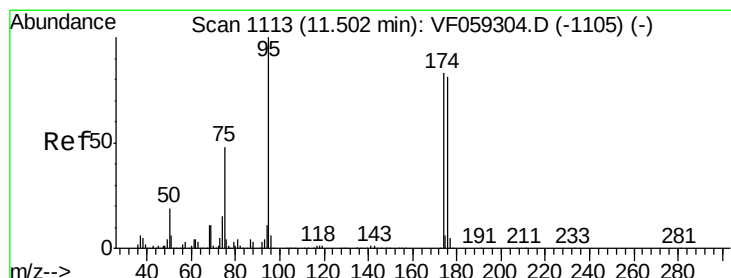
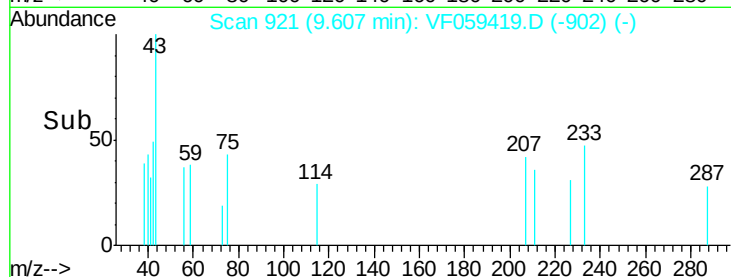
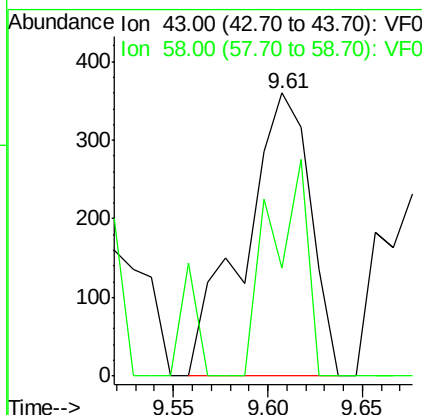
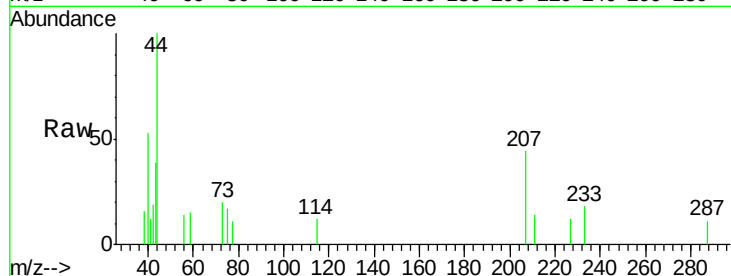




#59
2-Hexanone
Concen: Below Cal
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059419.D
Acq: 3 Jul 2018 18:30

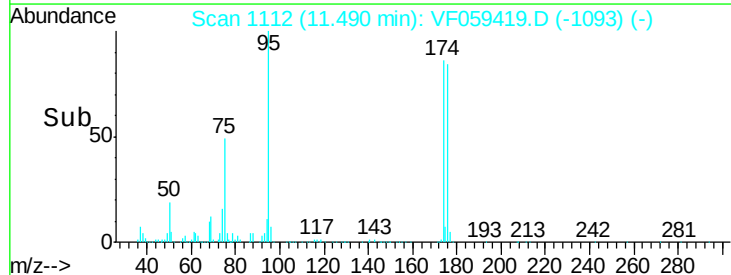
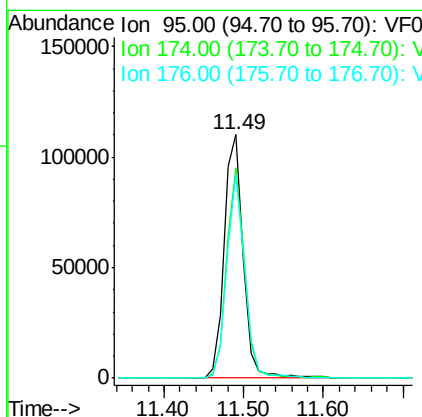
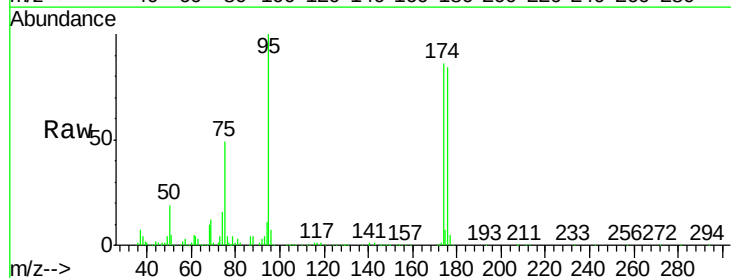
Instrument :
MSVOA_F
ClientSampleId :
OK-03-070218RE

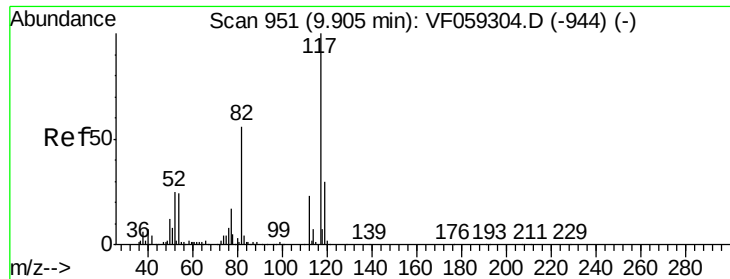
Tgt Ion: 43 Resp: 879
Ion Ratio Lower Upper
43 100
58 38.3 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 47.500 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF059419.D
Acq: 3 Jul 2018 18:30

Tgt Ion: 95 Resp: 185598
Ion Ratio Lower Upper
95 100
174 86.2 0.0 165.2
176 84.0 0.0 161.0

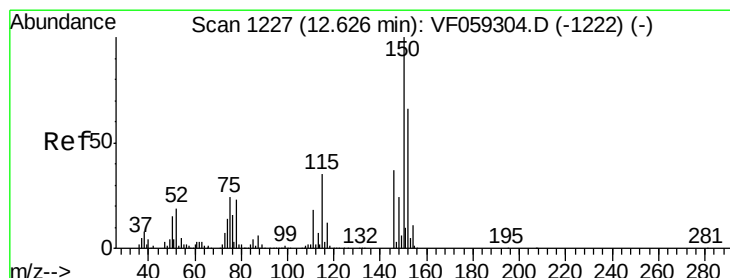
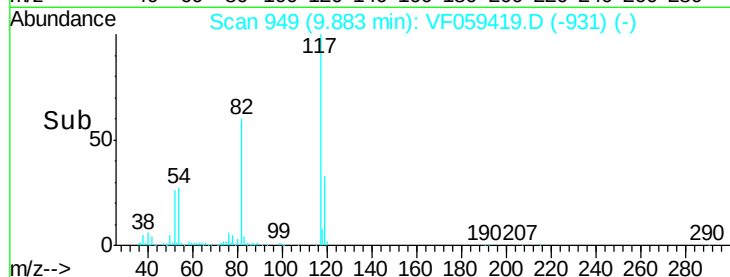
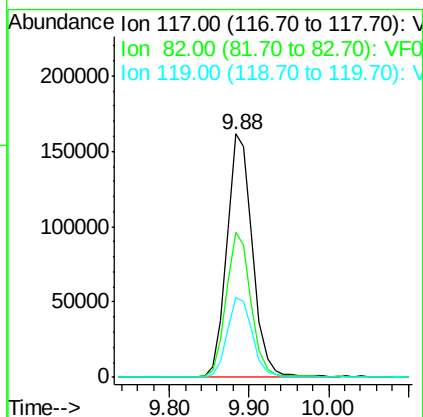
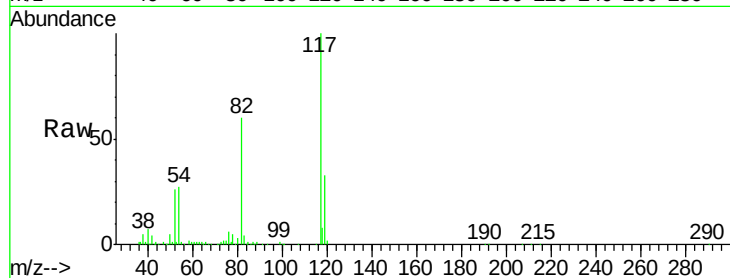




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 949
Delta R.T. -0.02 min
Lab File: VF059419.D
Acq: 3 Jul 2018 18:30

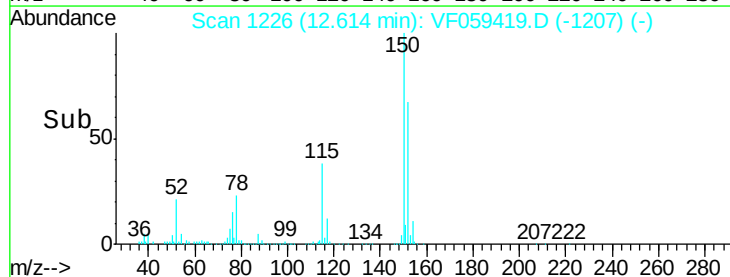
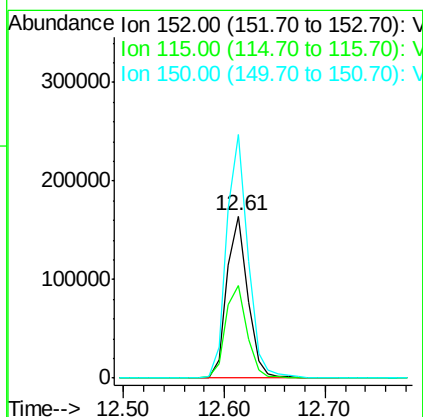
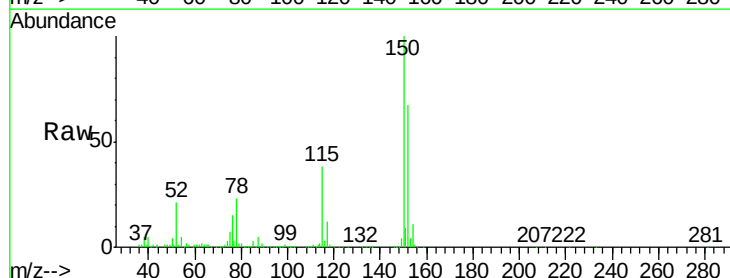
Instrument :
MSVOA_F
ClientSampleId :
OK-03-070218RE

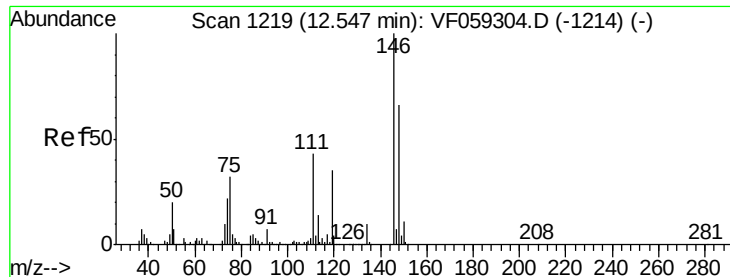
Tgt Ion:117 Resp: 365298
Ion Ratio Lower Upper
117 100
82 59.5 44.6 66.8
119 32.9 24.1 36.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059419.D
Acq: 3 Jul 2018 18:30

Tgt Ion:152 Resp: 238779
Ion Ratio Lower Upper
152 100
115 56.9 27.1 81.3
150 150.0 0.0 305.2





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.55 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF059419.D

Acq: 3 Jul 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

OK-03-070218RE

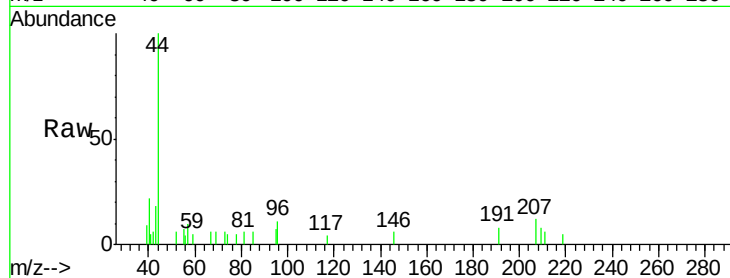
Tgt Ion:146 Resp: 176

Ion Ratio Lower Upper

146 100

111 0.0 21.4 64.2#

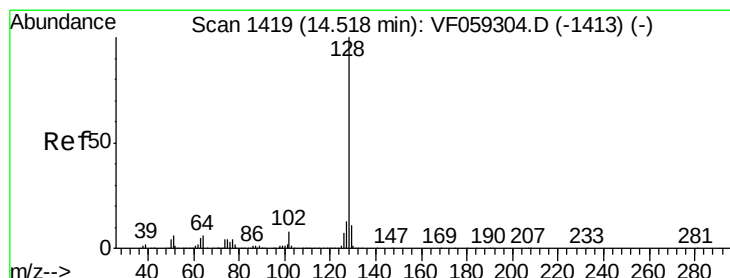
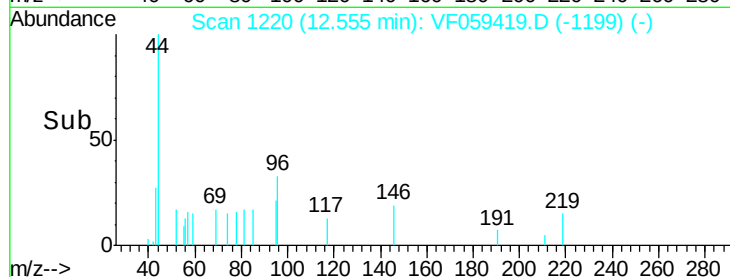
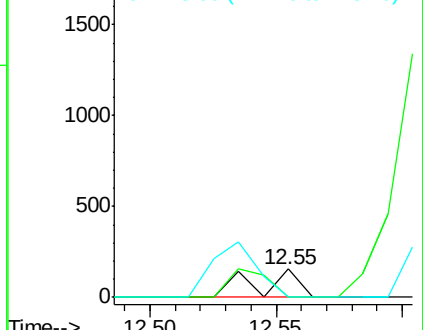
148 0.0 32.8 98.4#



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



#95

Naphthalene

Concen: 3.621 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059419.D

Acq: 3 Jul 2018 18:30

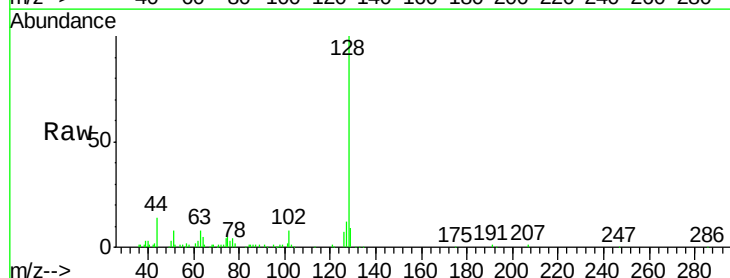
Tgt Ion:128 Resp: 39253

Ion Ratio Lower Upper

128 100

127 12.1 10.1 15.1

129 8.9 8.8 13.2



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

