

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070518\
 Data File : VF059433.D
 Acq On : 5 Jul 2018 14:49
 Operator : VA/AP
 Sample : J3840-12RE
 Misc : 6.57g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 06 02:04:48 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

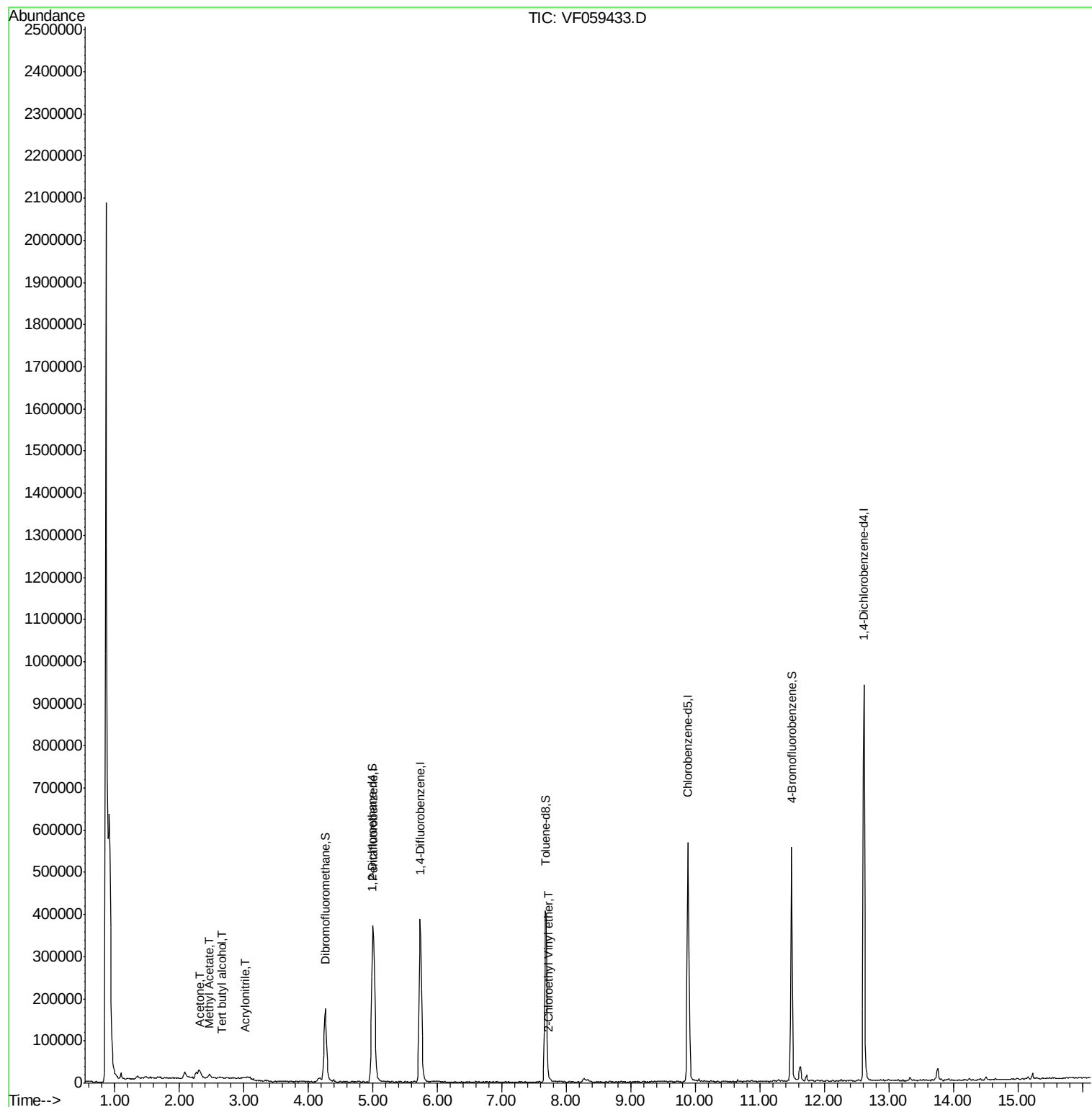
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	250691	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.73	114	390429	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.88	117	381783	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	233650	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	175976	54.33	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	108.66%	
35) Dibromofluoromethane	4.27	113	149058	52.25	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.50%	
50) Toluene-d8	7.69	98	331411	46.92	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	93.84%	
62) 4-Bromofluorobenzene	11.49	95	190766	47.88	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	95.76%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.32	94	281	Below Cal	#	4
11) Tert butyl alcohol	2.68	59	920	4.267 ug/l	#	6
13) Acrolein	2.06	56	1030	Below Cal		90
15) Acrylonitrile	3.03	53	1037	2.731 ug/l	#	28
16) Acetone	2.33	43	13094	6.243 ug/l	#	89
18) Methyl Acetate	2.46	43	3459	1.231 ug/l	#	61
20) Methylene Chloride	2.29	84	12044	Below Cal		96
25) 2-Butanone	4.49	43	557	Below Cal	#	59
28) Bromochloromethane	3.82	49	73	Below Cal	#	6
29) Tetrahydrofuran	4.23	42	1204	Below Cal	#	82
37) Ethyl Acetate	4.24	43	395	Below Cal	#	63
49) 1,4-Dioxane	6.43	88	72	Below Cal	#	21
58) 2-Chloroethyl Vinyl ether	7.74	63	208	1.019 ug/l		100
59) 2-Hexanone	9.61	43	1366	Below Cal		67
87) 1,3-Dichlorobenzene	12.54	146	639	Below Cal		70

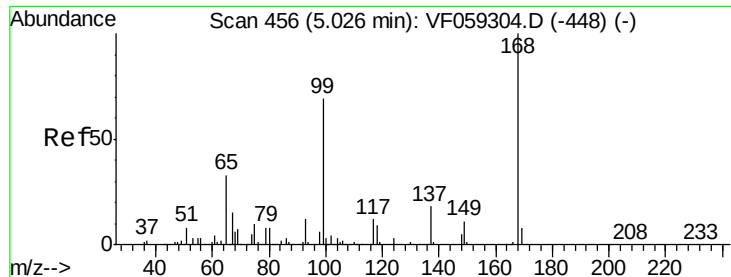
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 455

Delta R.T. -0.01 min

Lab File: VF059433.D

Acq: 5 Jul 2018 14:49

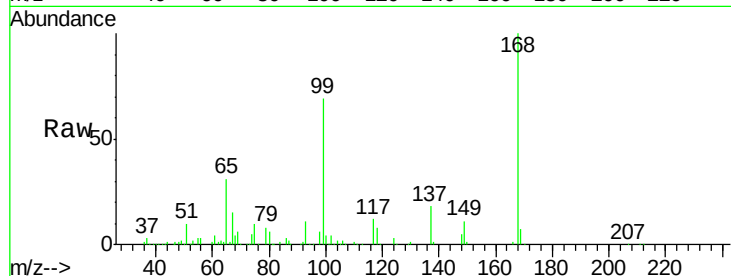
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 250691

Ion Ratio Lower Upper

168 100

99 68.8 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

80000

60000

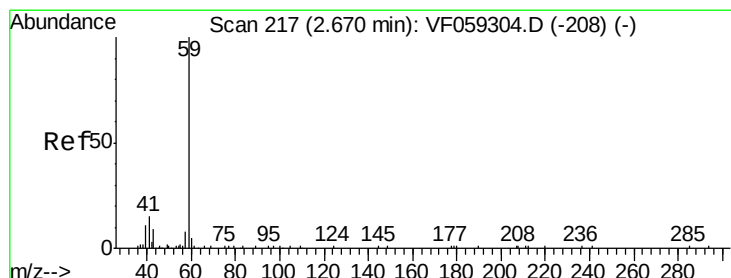
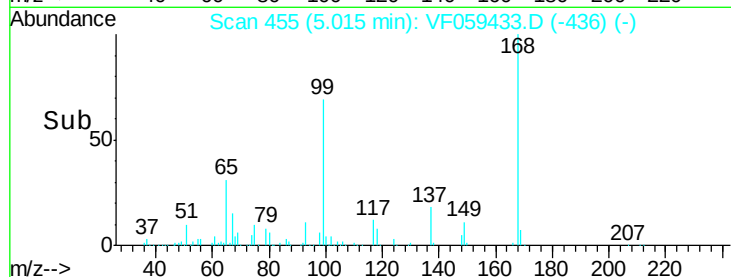
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 4.267 ug/l

RT: 2.68 min Scan# 218

Delta R.T. 0.01 min

Lab File: VF059433.D

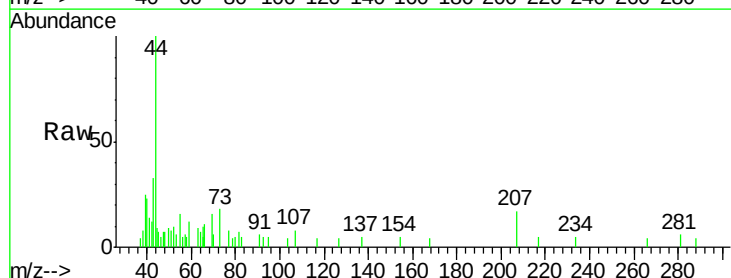
Acq: 5 Jul 2018 14:49

Tgt Ion: 59 Resp: 920

Ion Ratio Lower Upper

59 100

57 51.5 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.68

300

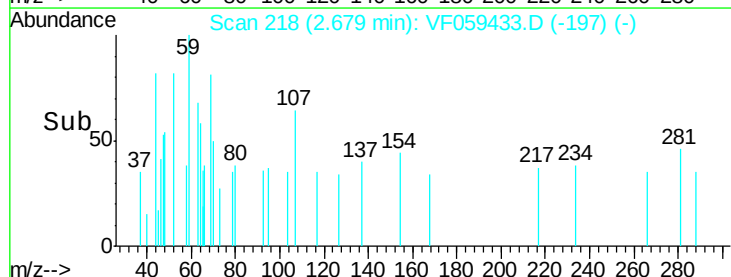
200

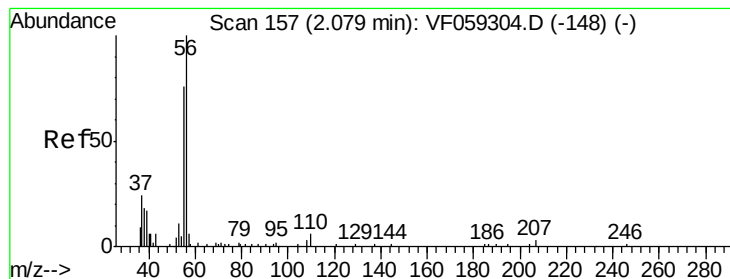
100

0

Time-->

2.55 2.60 2.65 2.70





#13

Acrolein

Concen: Below Cal

RT: 2.06 min Scan# 155

Delta R.T. -0.02 min

Lab File: VF059433.D

Acq: 5 Jul 2018 14:49

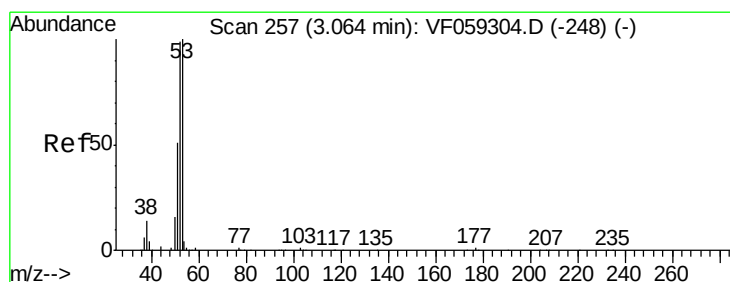
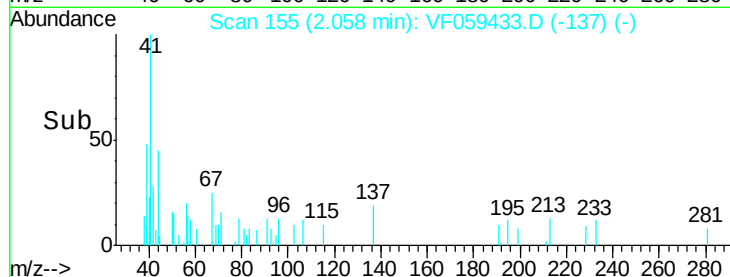
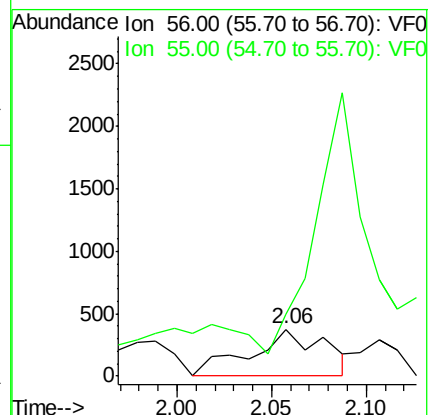
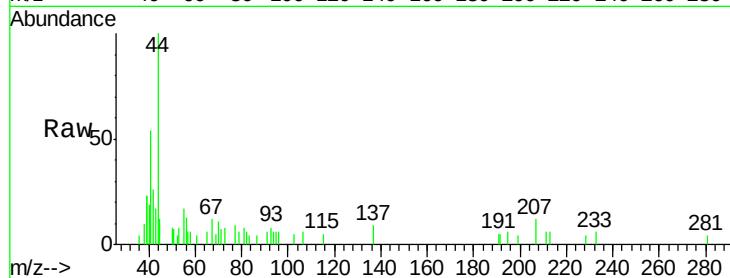
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 1030

Ion Ratio Lower Upper

56 100

55 86.9 62.4 93.6



#15

Acrylonitrile

Concen: 2.731 ug/l

RT: 3.03 min Scan# 254

Delta R.T. -0.03 min

Lab File: VF059433.D

Acq: 5 Jul 2018 14:49

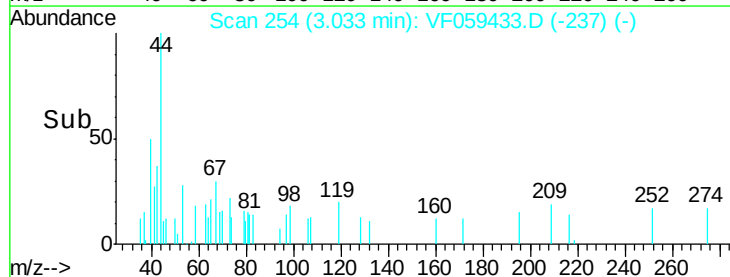
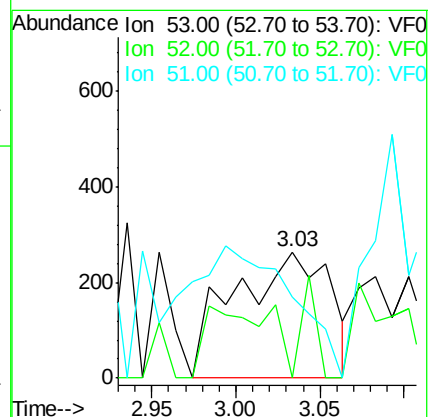
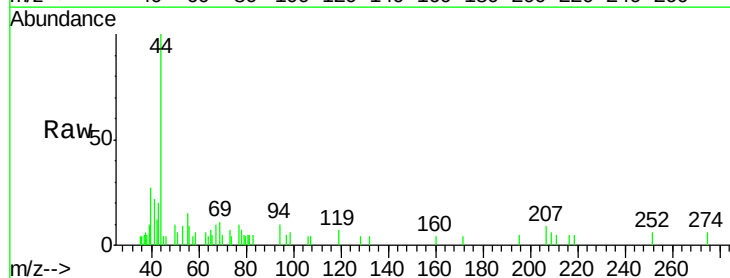
Tgt Ion: 53 Resp: 1037

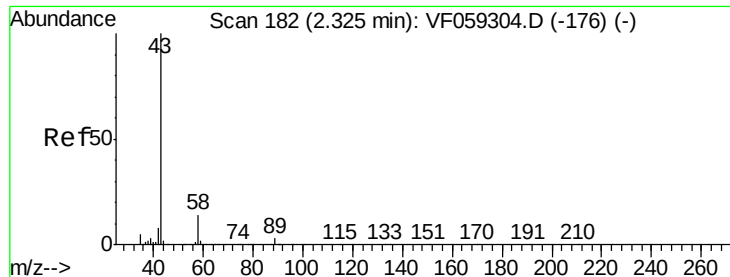
Ion Ratio Lower Upper

53 100

52 0.0 79.2 118.8#

51 64.8 40.9 61.3#

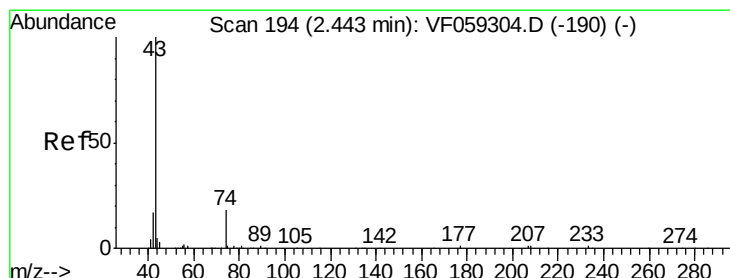
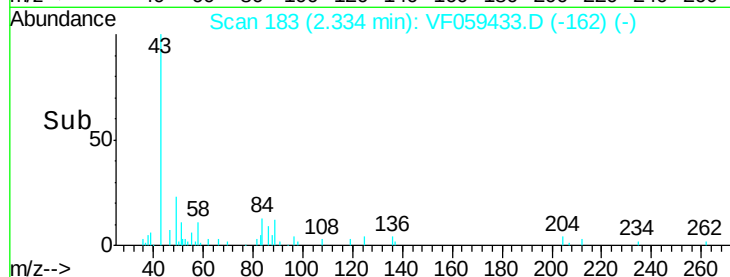
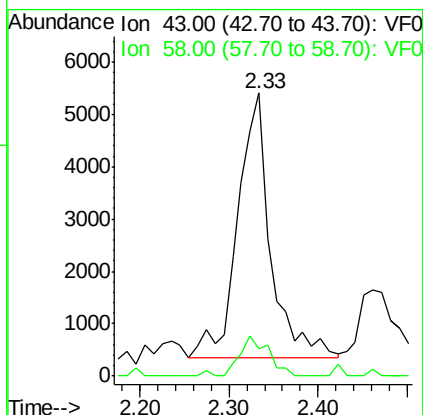
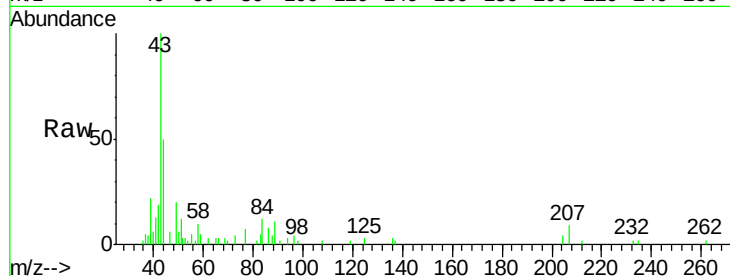




#16
Acetone
Concen: 6.243 ug/l
RT: 2.33 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF059433.D
Acq: 5 Jul 2018 14:49

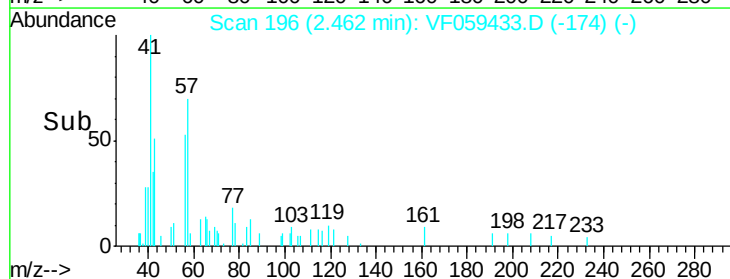
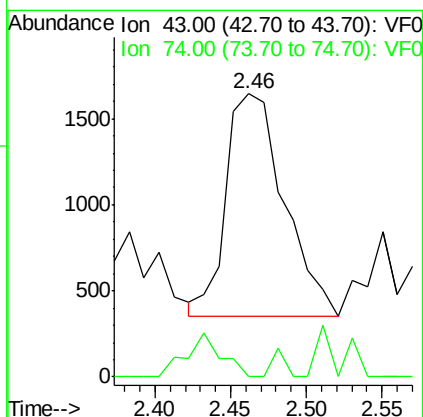
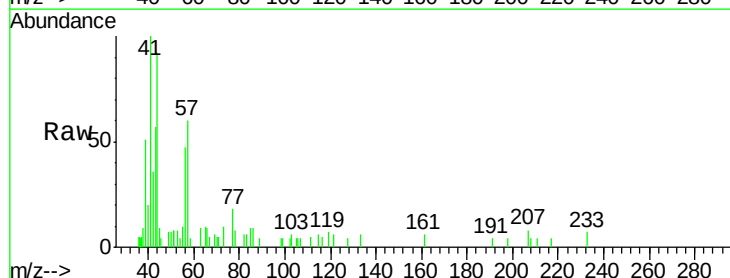
Instrument :
MSVOA_F
ClientSampleId :

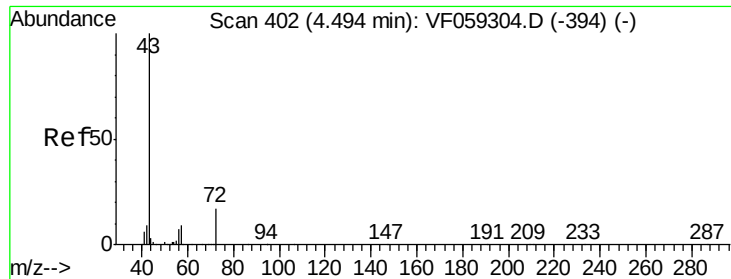
Tot Ion: 43 Resp: 13094
Ion Ratio Lower Upper
43 100
58 9.5 11.4 17.0#



#18
Methyl Acetate
Concen: 1.231 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.02 min
Lab File: VF059433.D
Acq: 5 Jul 2018 14:49

Tgt Ion: 43 Resp: 3459
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#





#25

2-Butanone

Concen: Below Cal

RT: 4.49 min Scan# 402

Delta R.T. -0.00 min

Lab File: VF059433.D

Acq: 5 Jul 2018 14:49

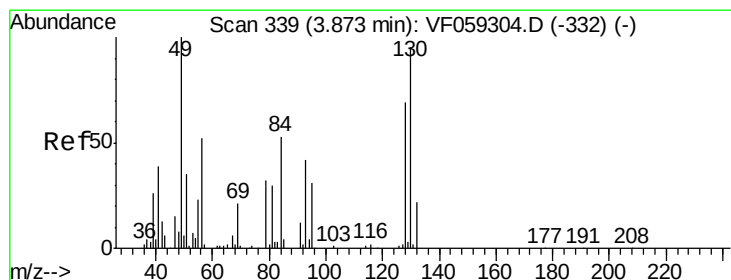
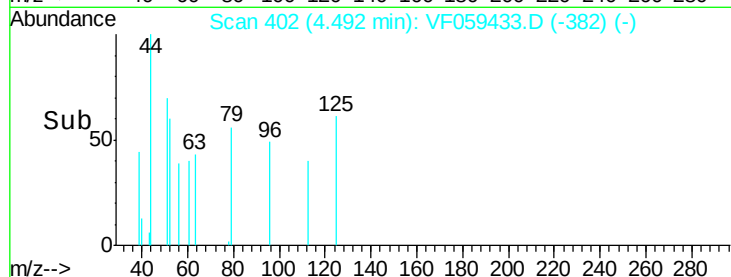
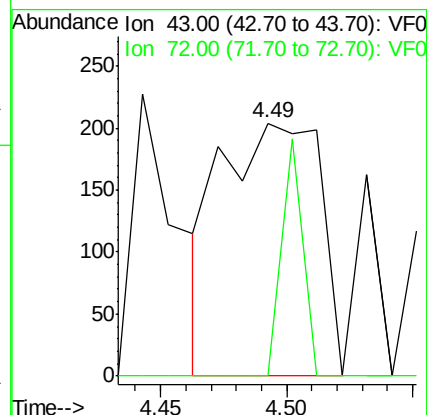
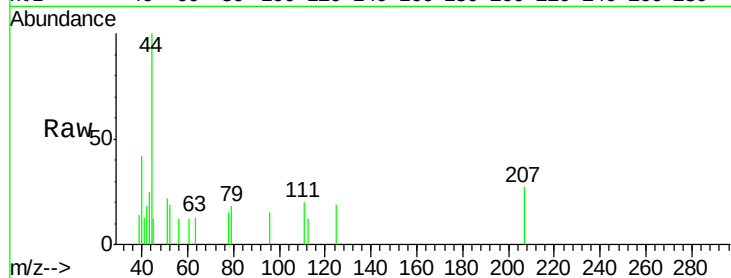
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 557

Ion Ratio Lower Upper

43 100

72 0.0 14.4 21.6#



#28

Bromochloromethane

Concen: Below Cal

RT: 3.82 min Scan# 334

Delta R.T. -0.05 min

Lab File: VF059433.D

Acq: 5 Jul 2018 14:49

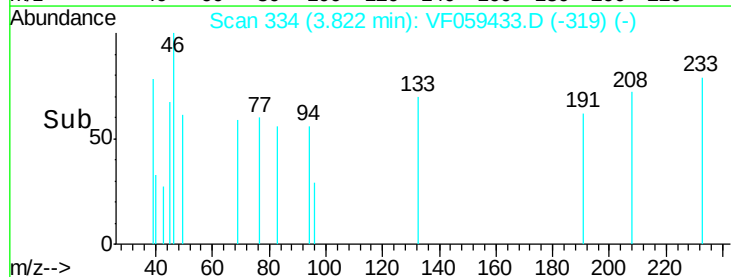
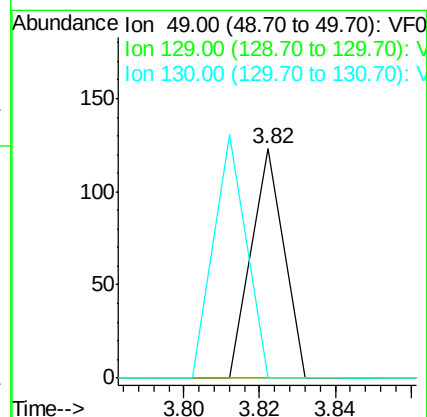
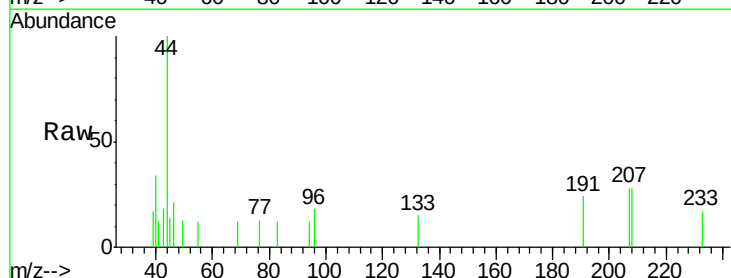
Tgt Ion: 49 Resp: 73

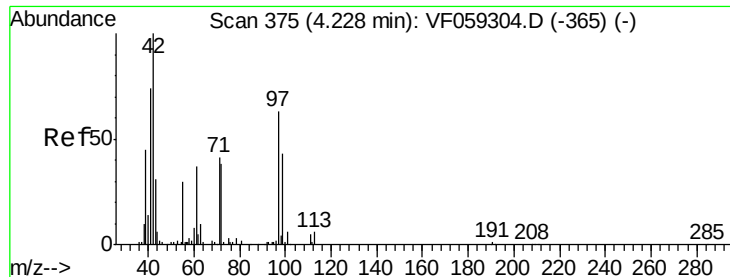
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

130 0.0 75.1 112.7#

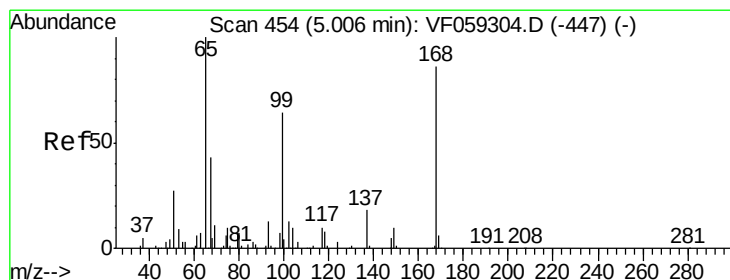
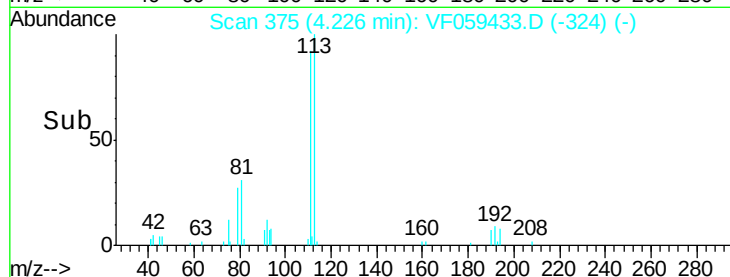
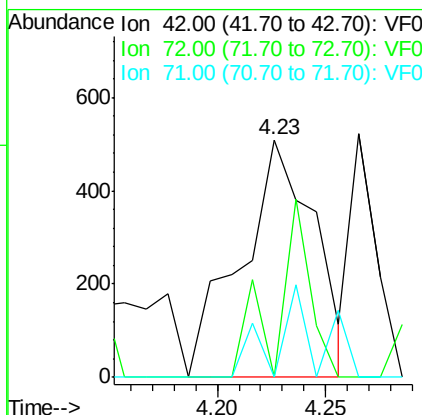
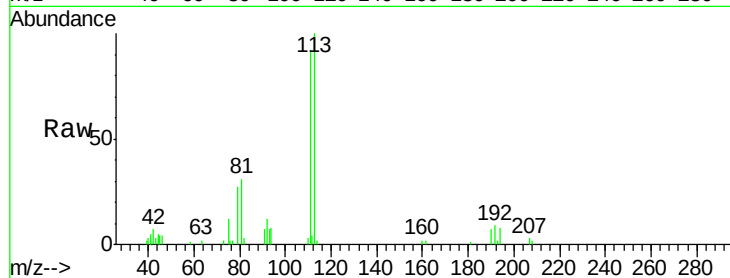




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.23 min Scan# 375
Delta R.T. -0.00 min
Lab File: VF059433.D
Acq: 5 Jul 2018 14:49

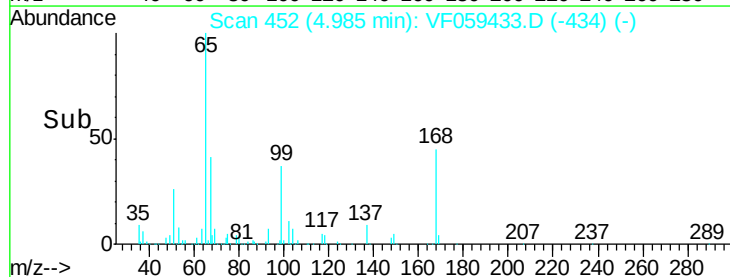
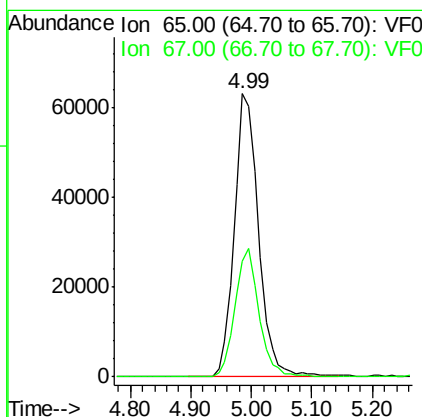
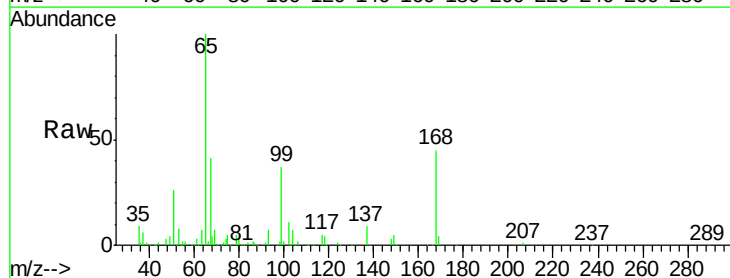
Instrument :
MSVOA_F
ClientSampleId :

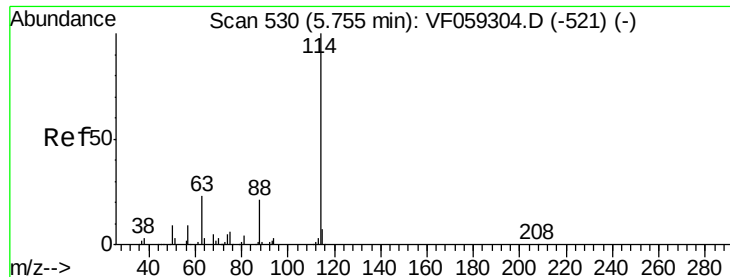
Tot Ion: 42 Resp: 1204
Ion Ratio Lower Upper
42 100
72 34.6 30.5 45.7
71 22.3 32.5 48.7#



#33
1,2-Dichloroethane-d4
Concen: 54.332 ug/l
RT: 4.99 min Scan# 452
Delta R.T. -0.02 min
Lab File: VF059433.D
Acq: 5 Jul 2018 14:49

Tgt Ion: 65 Resp: 175976
Ion Ratio Lower Upper
65 100
67 40.9 0.0 96.8

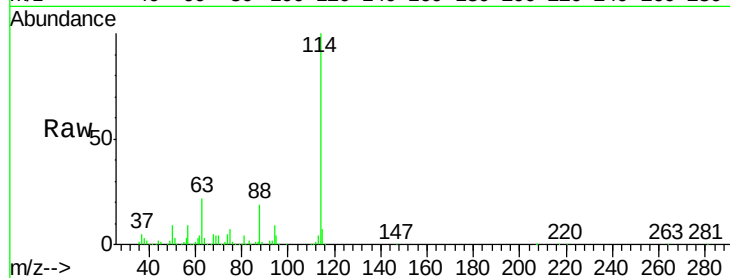




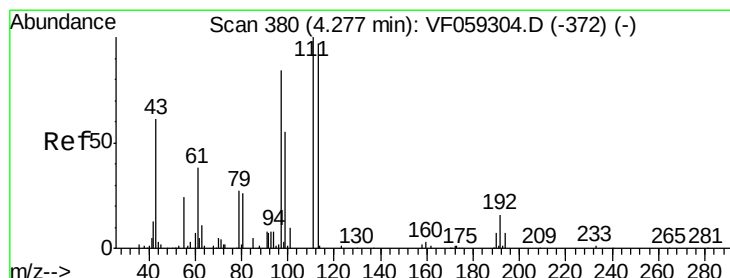
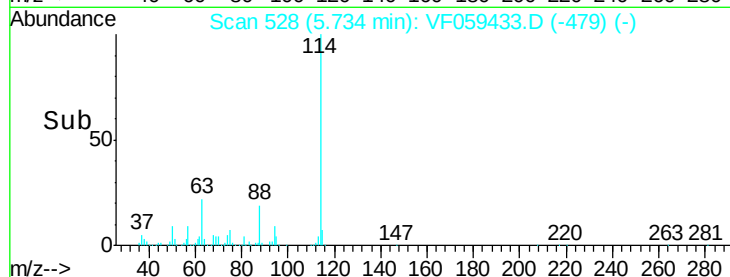
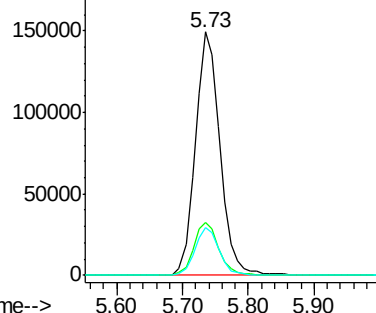
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.73 min Scan# 528
Delta R.T. -0.02 min
Lab File: VF059433.D
Acq: 5 Jul 2018 14:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	45.8
88	19.5	0.0	41.2

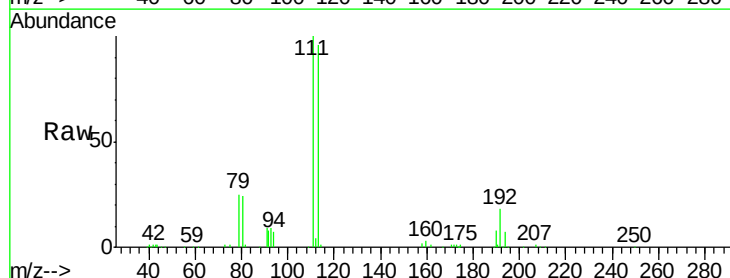


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

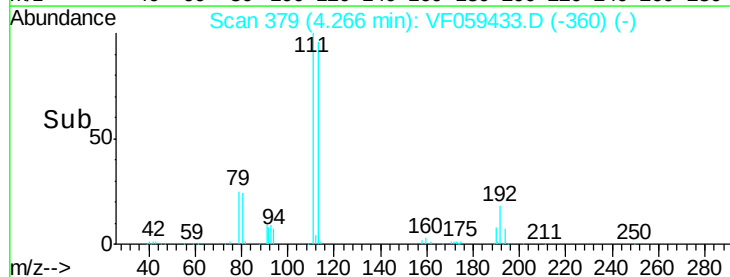
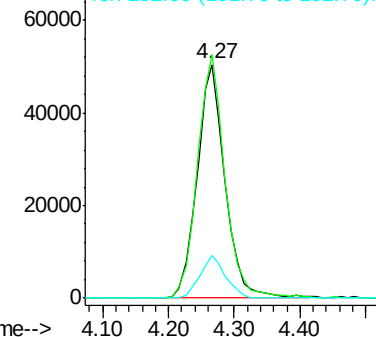


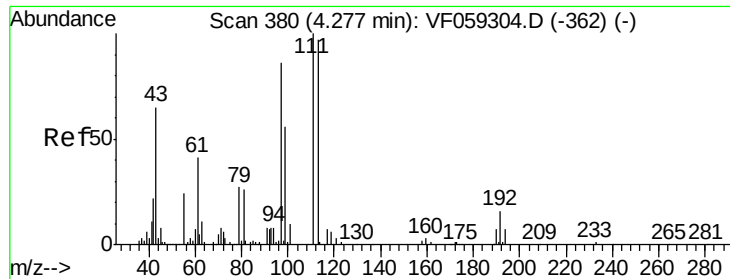
#35
Dibromofluoromethane
Concen: 52.251 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059433.D
Acq: 5 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.1	123.1
192	18.4	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: 4.24 min Scan# 376

Delta R.T. -0.04 min

Lab File: VF059433.D

Acq: 5 Jul 2018 14:49

Instrument :

MSVOA_F

ClientSampleId :

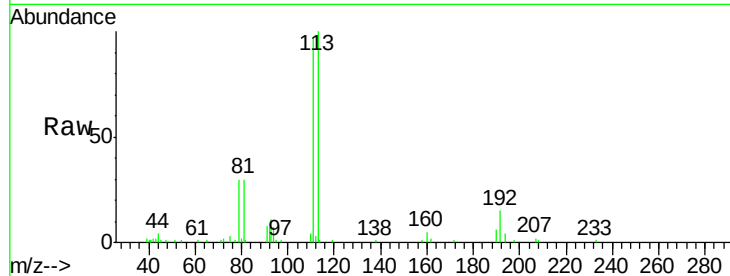
Tot Ion: 43 Resp: 395

Ion Ratio Lower Upper

43 100

61 32.4 50.1 75.1#

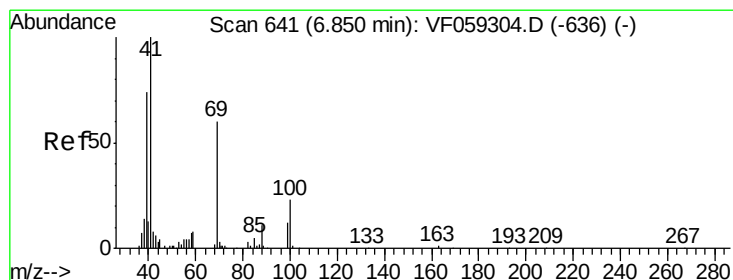
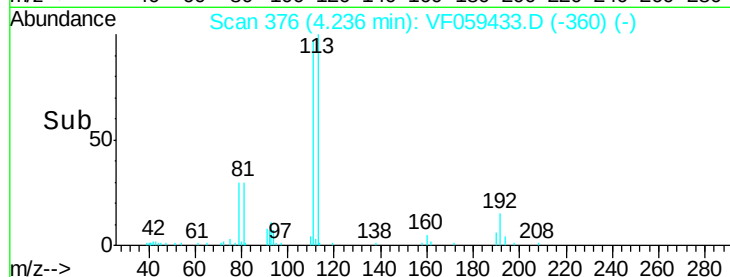
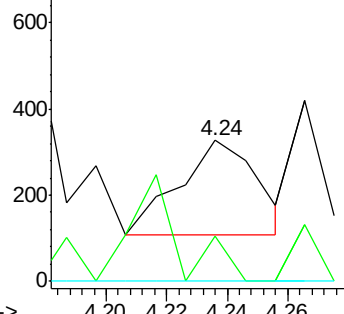
70 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#49

1,4-Dioxane

Concen: Below Cal

RT: 6.43 min Scan# 599

Delta R.T. -0.41 min

Lab File: VF059433.D

Acq: 5 Jul 2018 14:49

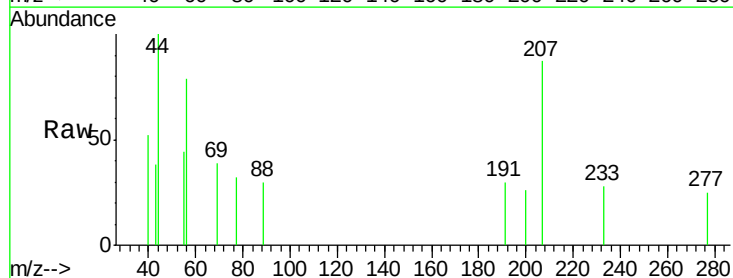
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 124.8 50.6 75.8#

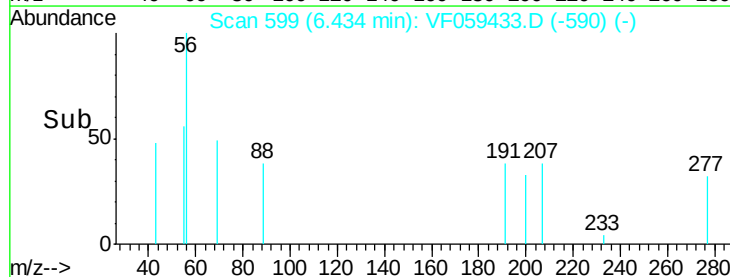
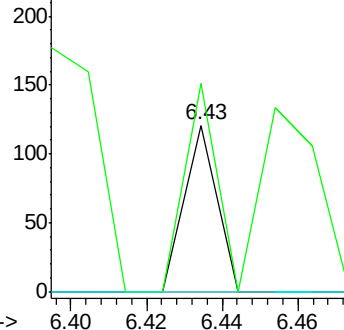
58 0.0 46.6 69.8#

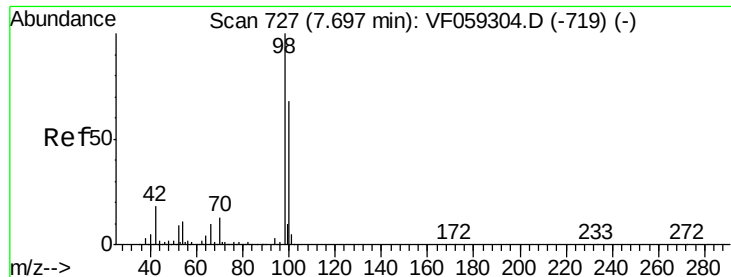


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 46.922 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059433.D

Acq: 5 Jul 2018 14:49

Instrument :

MSVOA_F

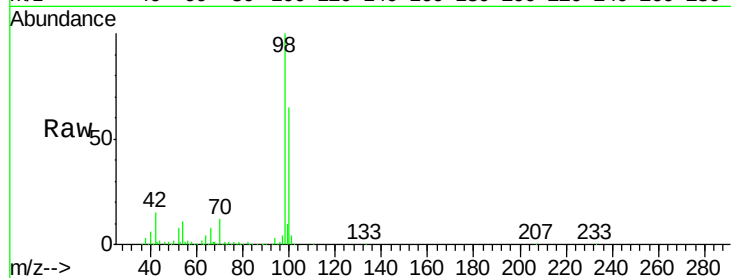
ClientSampleId :

Tot Ion: 98 Resp: 331411

Ion Ratio Lower Upper

98 100

100 65.4 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

150000

100000

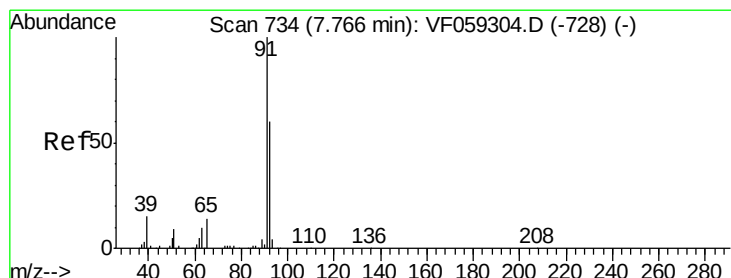
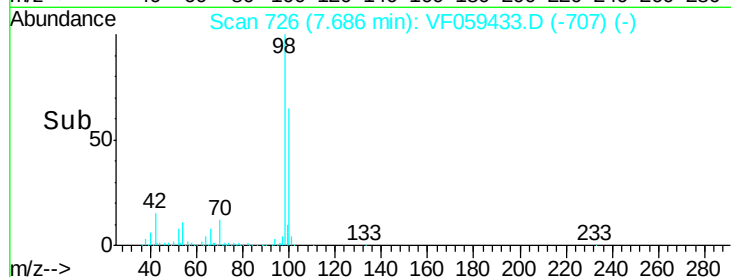
50000

0

7.69

7.60 7.70 7.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1.019 ug/l

RT: 7.74 min Scan# 731

Delta R.T. -0.03 min

Lab File: VF059433.D

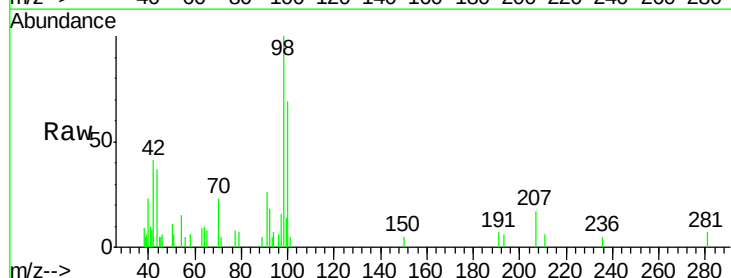
Acq: 5 Jul 2018 14:49

Tgt Ion: 63 Resp: 208

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

200

150

100

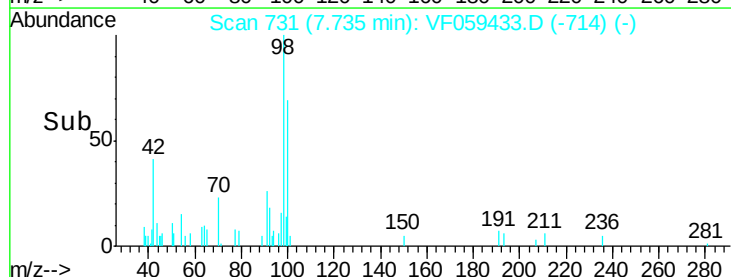
50

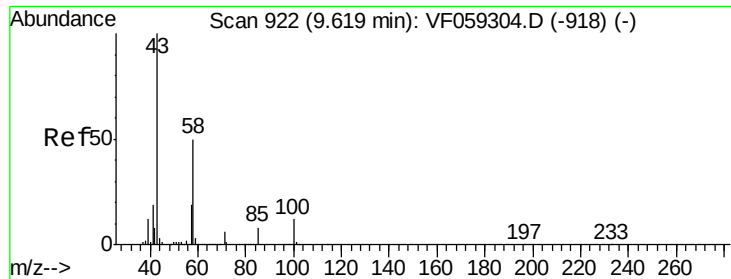
0

7.74

7.72 7.74 7.76

Time-->





#59

2-Hexanone

Concen: Below Cal

RT: 9.61 min Scan# 921

Delta R.T. -0.01 min

Lab File: VF059433.D

Acq: 5 Jul 2018 14:49

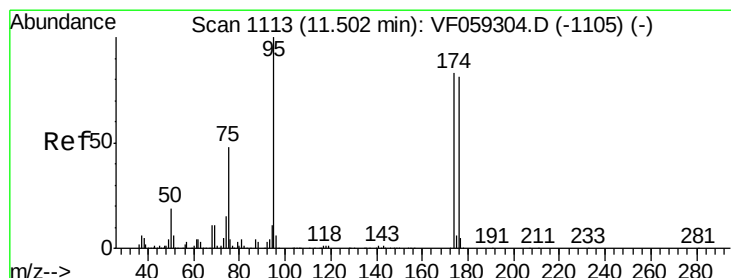
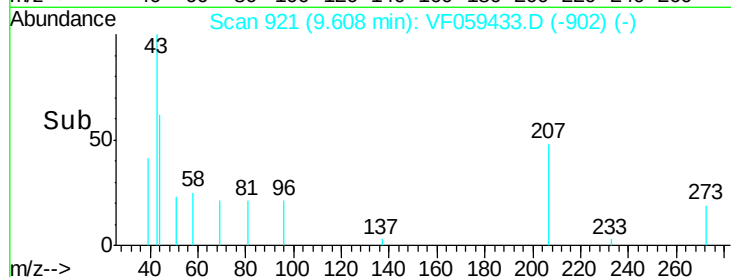
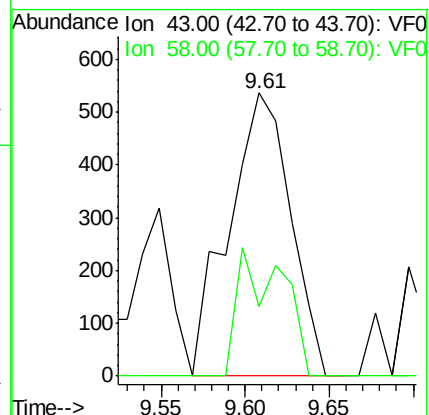
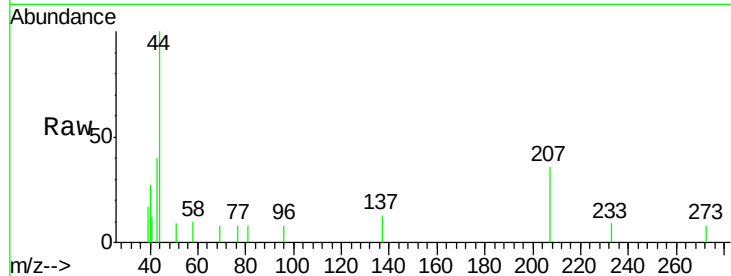
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1366

Ion Ratio Lower Upper

43 100

58 24.8 23.3 69.9



#62

4-Bromofluorobenzene

Concen: 47.880 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059433.D

Acq: 5 Jul 2018 14:49

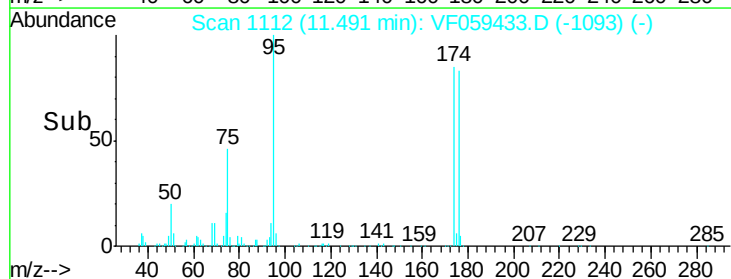
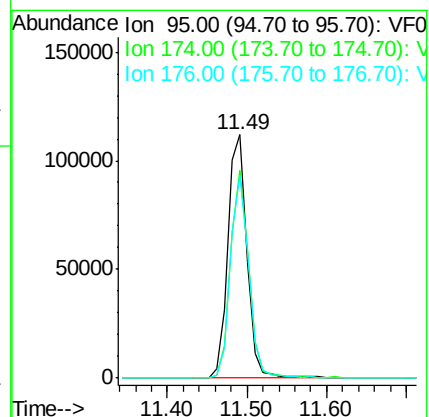
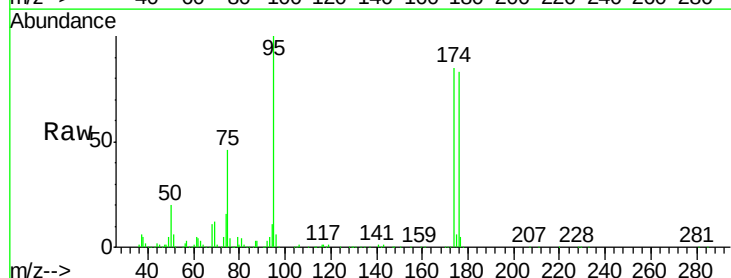
Tgt Ion: 95 Resp: 190766

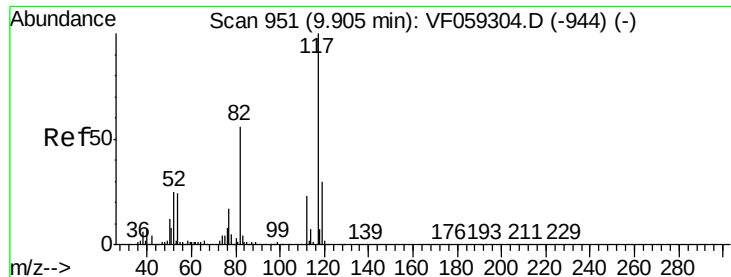
Ion Ratio Lower Upper

95 100

174 85.2 0.0 165.2

176 83.3 0.0 161.0

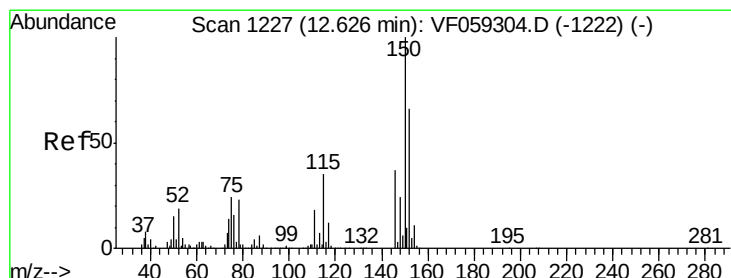
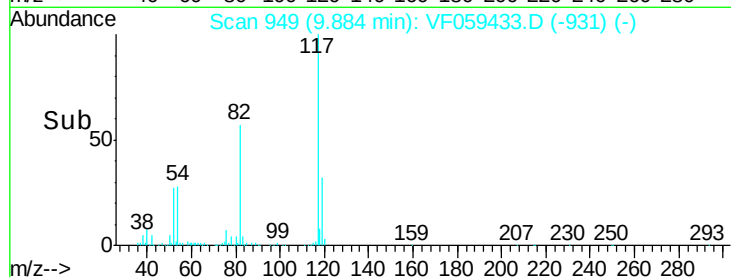
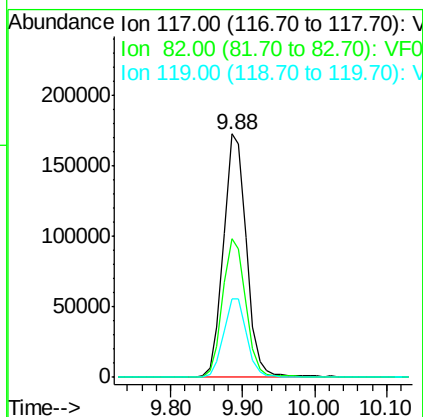
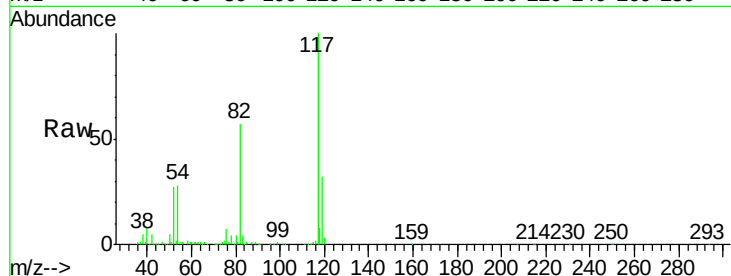




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 949
Delta R.T. -0.02 min
Lab File: VF059433.D
Acq: 5 Jul 2018 14:49

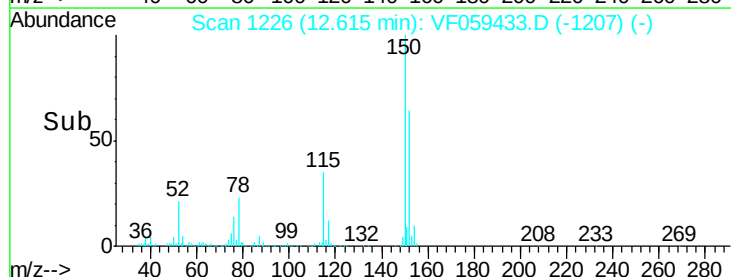
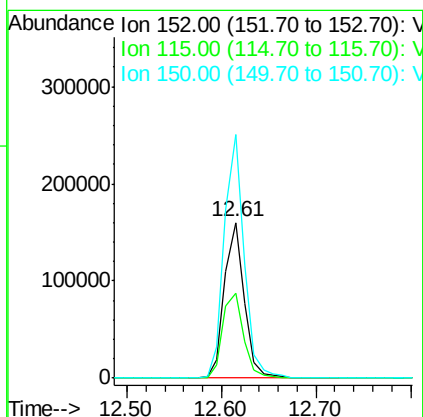
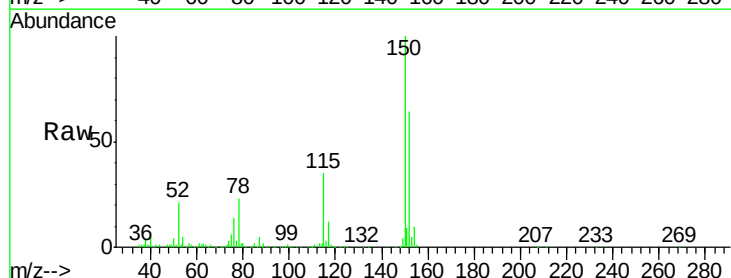
Instrument :
MSVOA_F
ClientSampleId :

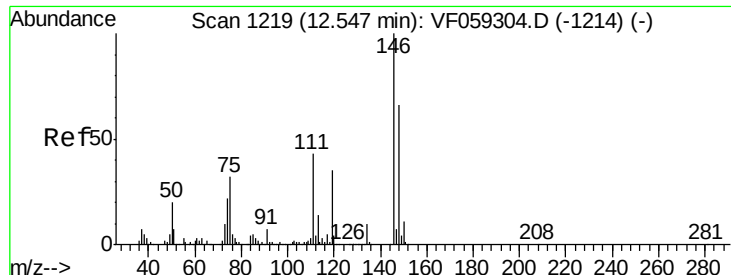
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.6	66.8
119	32.2	24.1	36.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059433.D
Acq: 5 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.1	81.3
150	156.5	0.0	305.2





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059433.D

Acq: 5 Jul 2018 14:49

Instrument :

MSVOA_F

ClientSampleId :

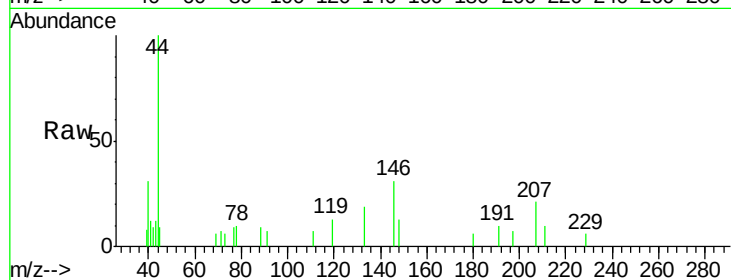
Tot Ion:146 Resp: 639

Ion Ratio Lower Upper

146 100

111 23.0 21.4 64.2

148 42.8 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

