

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062718\
 Data File : VF059338.D
 Acq On : 27 Jun 2018 14:50
 Operator : VA/AP
 Sample : J3665-03
 Misc : 5.45G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 27 16:04:45 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	5.03	168	244170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	374409	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	372310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	253920	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	137854	43.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.40%	
35) Dibromofluoromethane	4.28	113	126854	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	
50) Toluene-d8	7.70	98	290554	42.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.80%	
62) 4-Bromofluorobenzene	11.50	95	176245	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	

Target Compounds

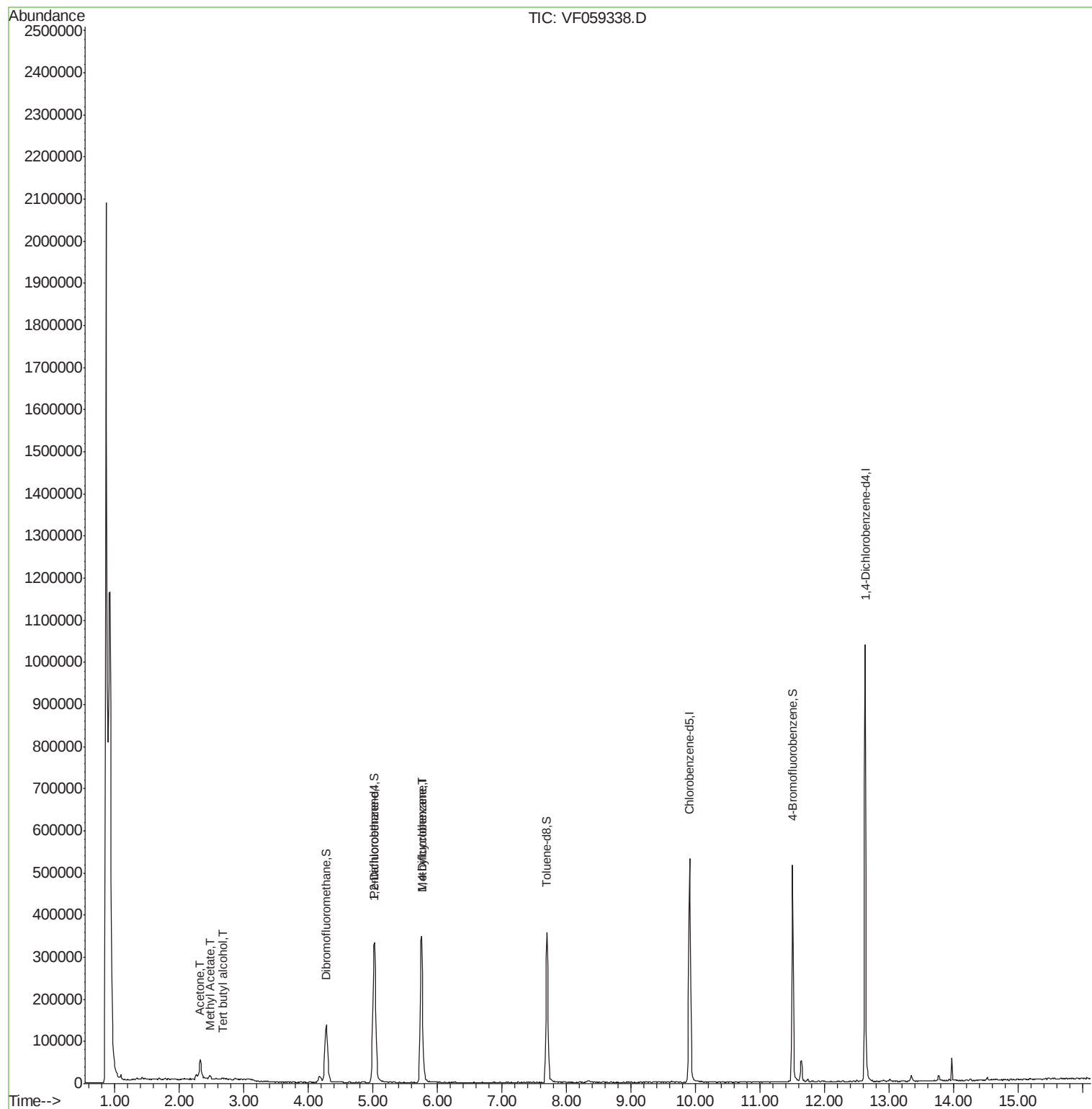
						Qvalue
5) Bromomethane	1.33	94	163	Below Cal	#	4
11) Tert butyl alcohol	2.68	59	3621	17.24	ug/l	100
13) Acrolein	1.92	56	167	Below Cal		98
16) Acetone	2.32	43	66960	77.97	ug/l	95
18) Methyl Acetate	2.47	43	7171	3.96	ug/l	# 81
20) Methylene Chloride	2.26	84	8401	Below Cal	#	76
29) Tetrahydrofuran	4.24	42	789	Below Cal	#	44
37) Ethyl Acetate	4.29	43	310	Below Cal	#	86
39) Methylcyclohexane	5.74	83	3651	1.26	ug/l	# 40
49) 1,4-Dioxane	6.75	88	63	Below Cal	#	20
59) 2-Hexanone	9.63	43	2363	Below Cal		87
87) 1,3-Dichlorobenzene	12.56	146	571	Below Cal	#	51

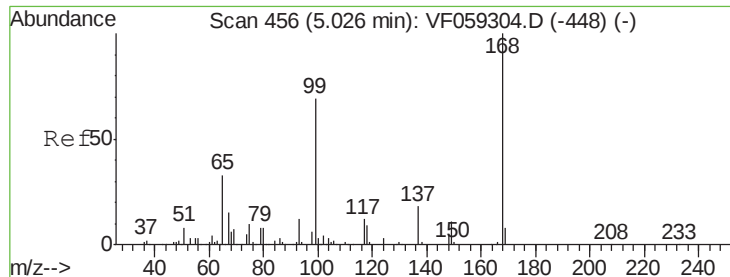
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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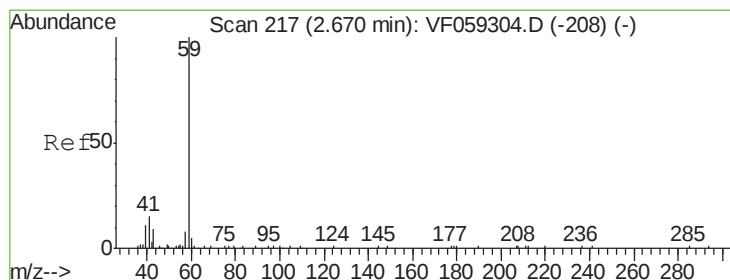
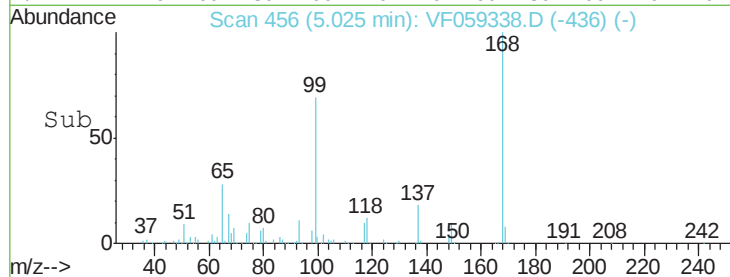
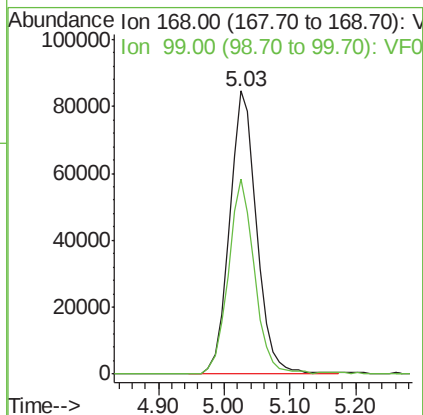
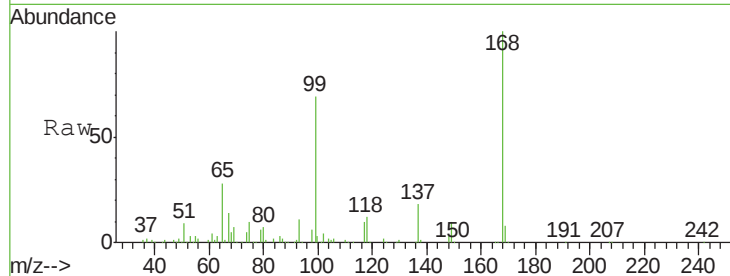


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VF059338.D
 Acq: 27 Jun 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleId :

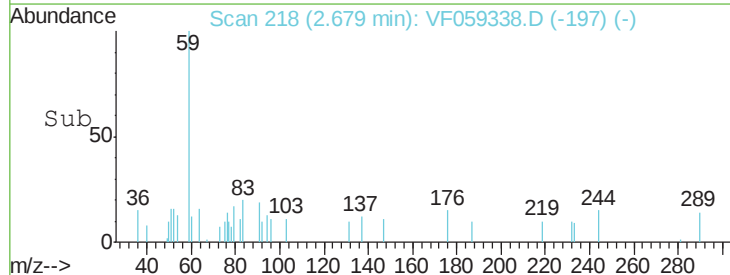
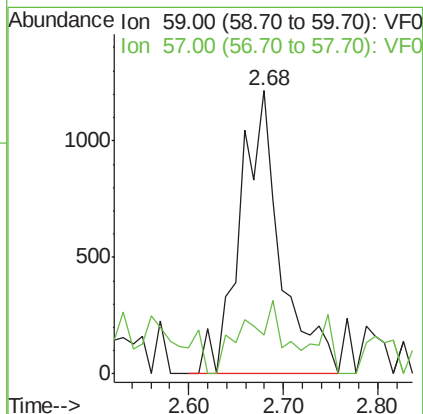
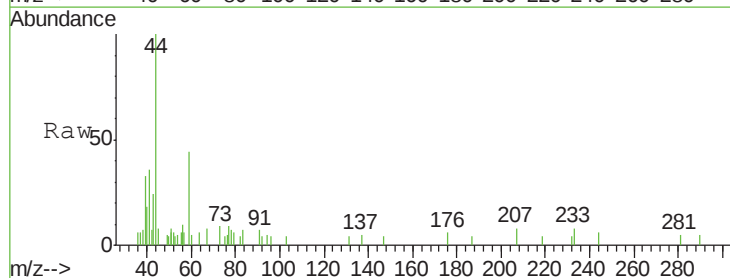
Tot Ion:168 Resp: 244170
 Ion Ratio Lower Upper
 168 100
 99 69.0 54.9 82.3

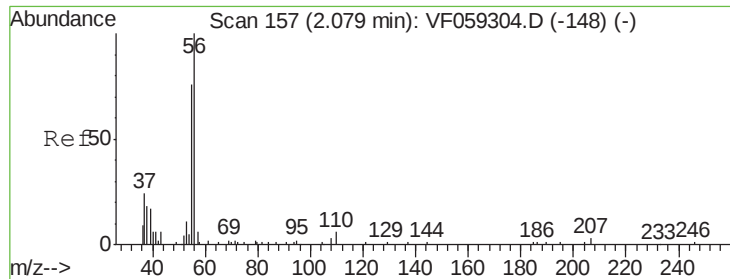


#11

Tert butyl alcohol
 Concen: 17.24 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.01 min
 Lab File: VF059338.D
 Acq: 27 Jun 2018 14:50

Tgt Ion: 59 Resp: 3621
 Ion Ratio Lower Upper
 59 100
 57 13.7 11.0 16.4





#13

Acrolein

Concen: Below Cal

RT: 1.92 min Scan# 141

Delta R.T. -0.16 min

Lab File: VF059338.D

Acq: 27 Jun 2018 14:50

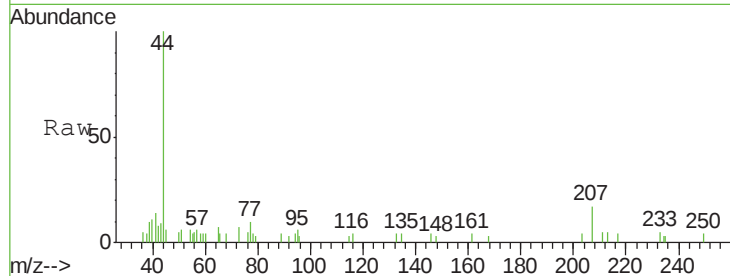
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 167

Ion Ratio Lower Upper

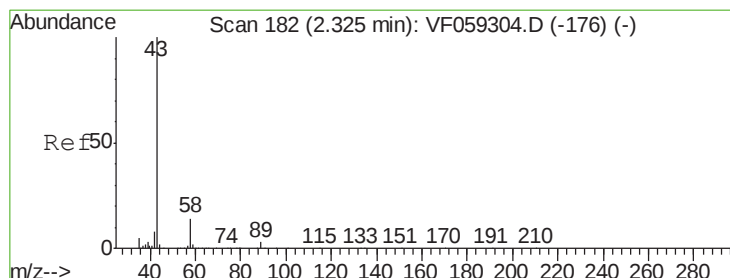
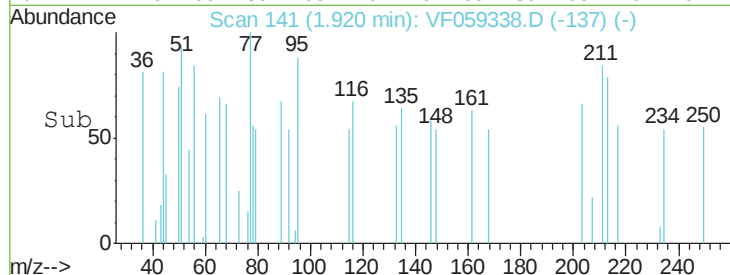
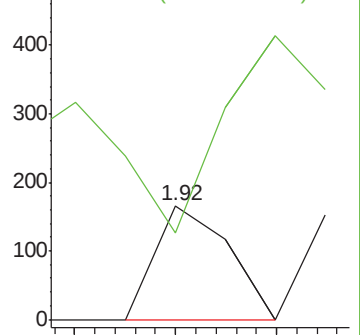
56 100

55 76.5 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: 77.97 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059338.D

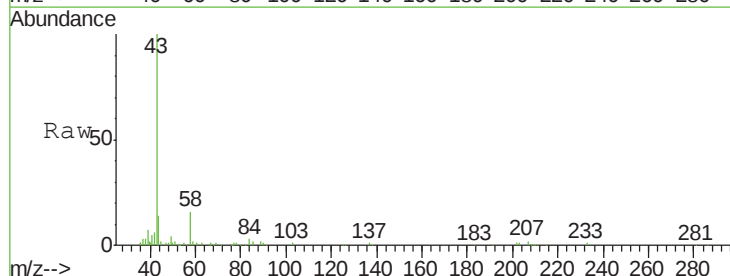
Acq: 27 Jun 2018 14:50

Tgt Ion: 43 Resp: 66960

Ion Ratio Lower Upper

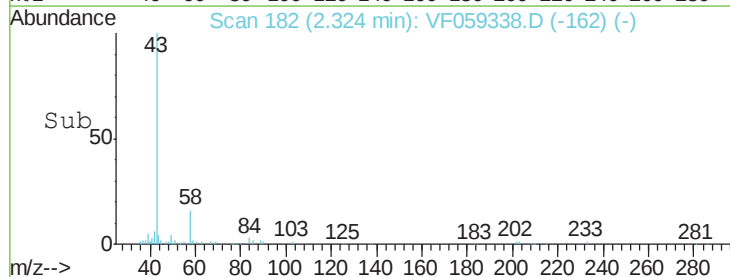
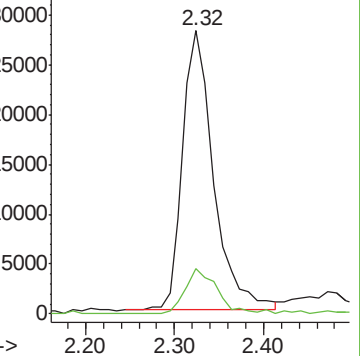
43 100

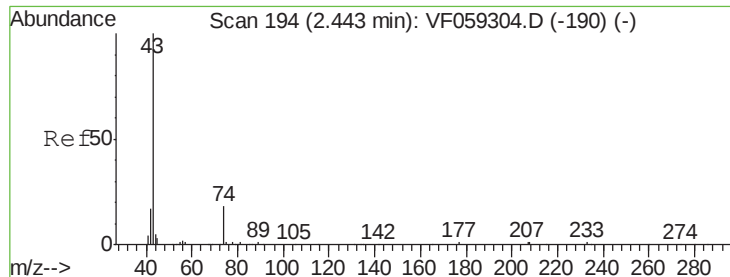
58 16.1 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#18

Methyl Acetate

Concen: 3.96 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.03 min

Lab File: VF059338.D

Acq: 27 Jun 2018 14:50

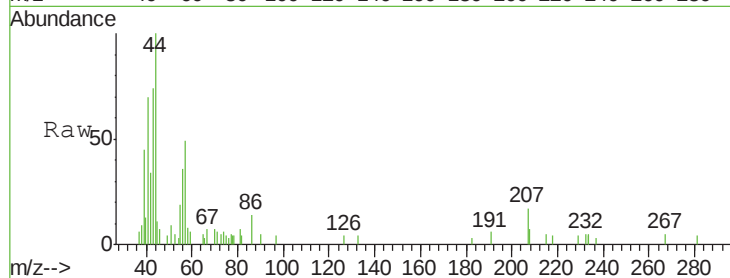
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 7171

Ion Ratio Lower Upper

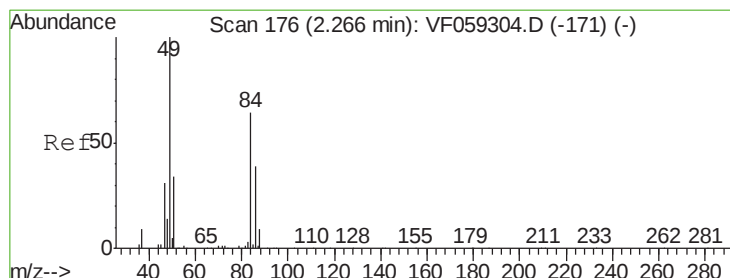
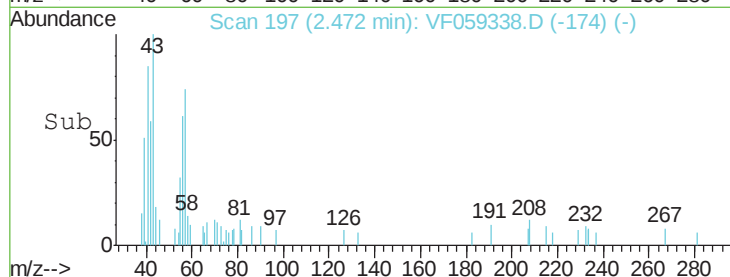
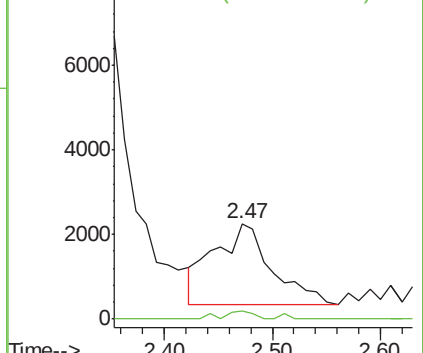
43 100

74 8.3 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.26 min Scan# 176

Delta R.T. -0.00 min

Lab File: VF059338.D

Acq: 27 Jun 2018 14:50

Tgt Ion: 84 Resp: 8401

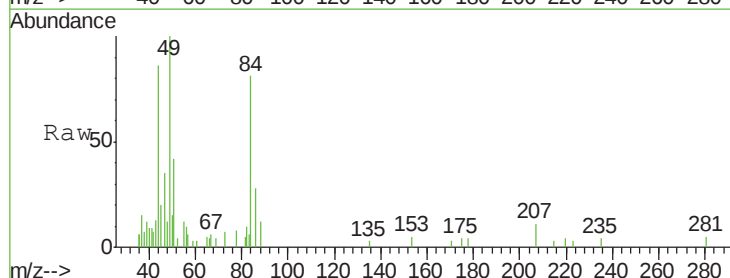
Ion Ratio Lower Upper

84 100

49 123.0 126.5 189.7#

51 52.0 42.9 64.3

86 33.9 48.6 73.0#

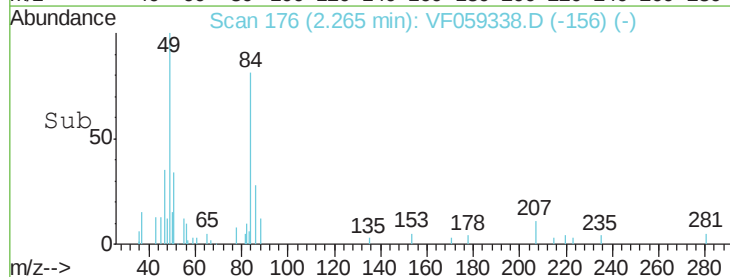
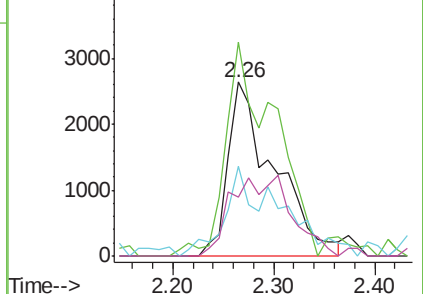


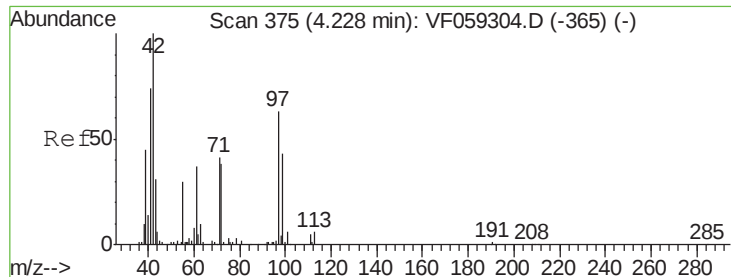
Abundance Ion 84.00 (83.70 to 84.70): VF0

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





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.24 min Scan# 376

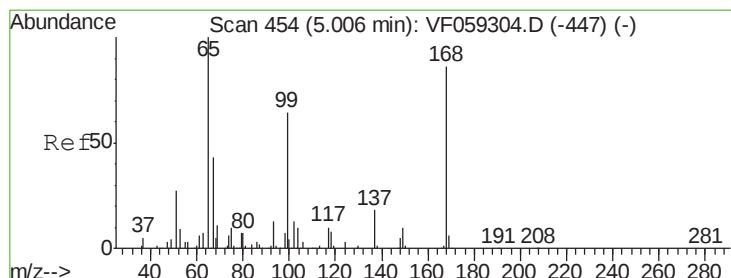
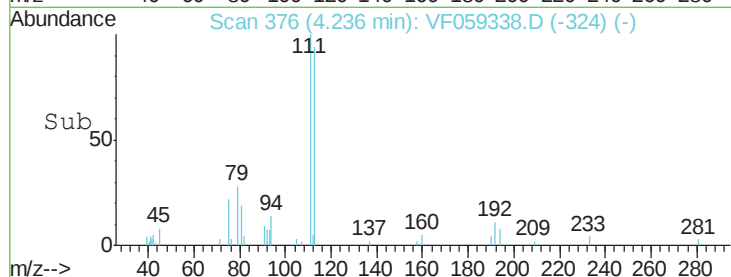
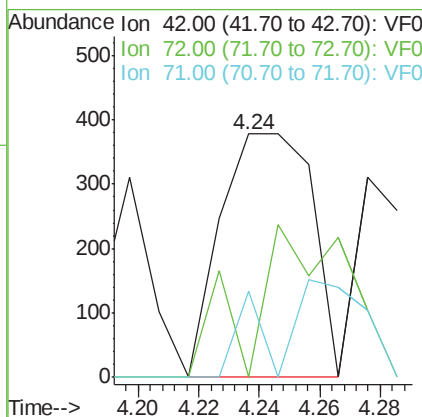
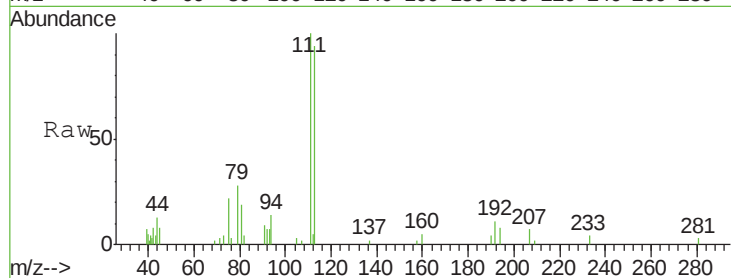
Delta R.T. 0.01 min

Lab File: VF059338.D

Acq: 27 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	789
Ion	Ratio	Lower	Upper
42	100		
72	65.9	30.5	45.7#
71	0.0	32.5	48.7#



#33

1,2-Dichloroethane-d4

Concen: 43.70 ug/l

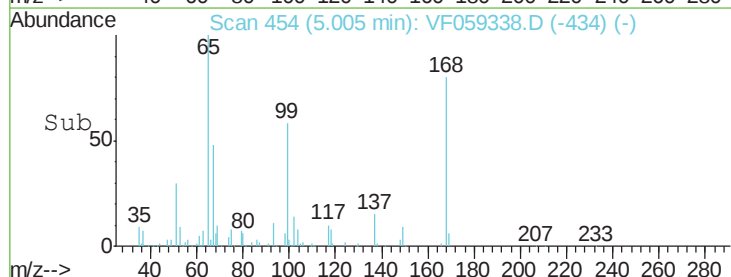
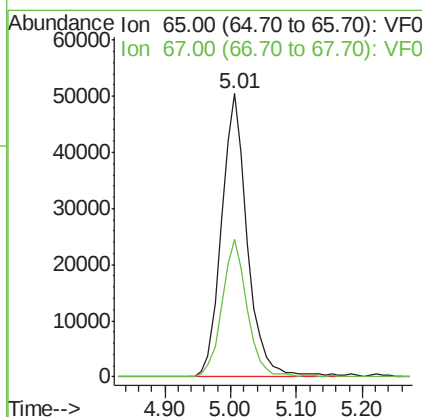
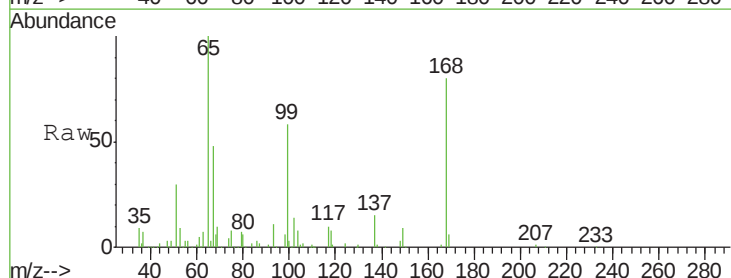
RT: 5.01 min Scan# 454

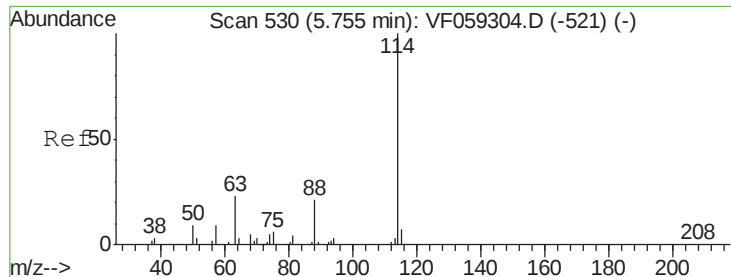
Delta R.T. -0.00 min

Lab File: VF059338.D

Acq: 27 Jun 2018 14:50

Tgt Ion:	65	Resp:	137854
Ion	Ratio	Lower	Upper
65	100		
67	48.5	0.0	96.8

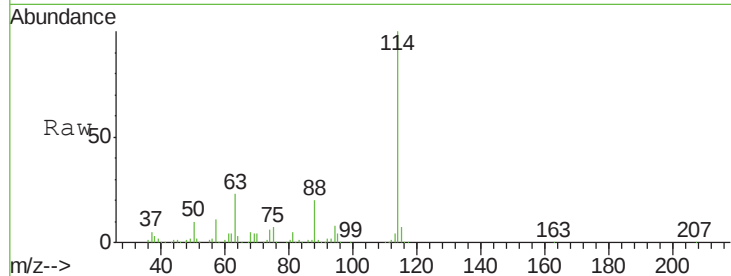




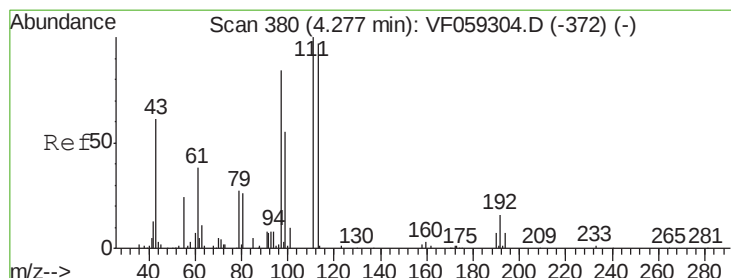
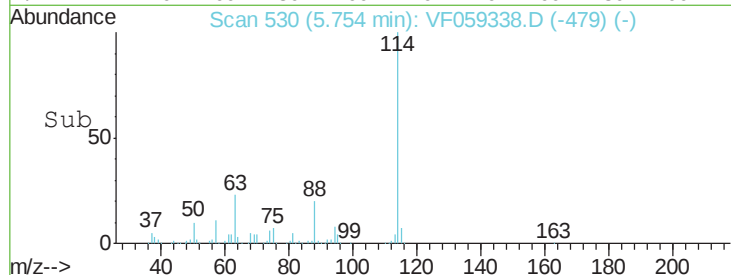
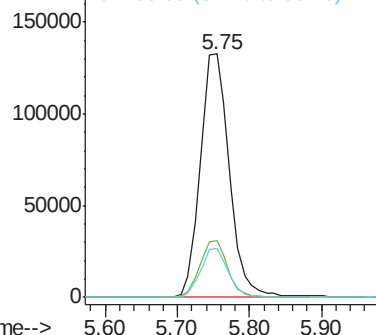
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.75 min Scan# 530
Delta R.T. -0.00 min
Lab File: VF059338.D
Acq: 27 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:114 Resp: 374409
Ion Ratio Lower Upper
114 100
63 23.1 0.0 45.8
88 20.0 0.0 41.2

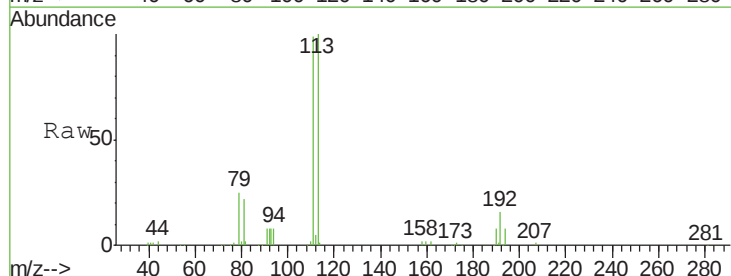


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

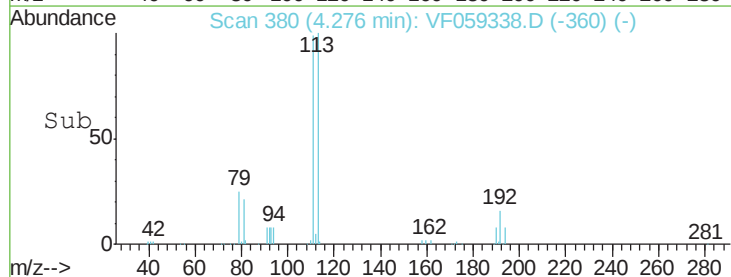
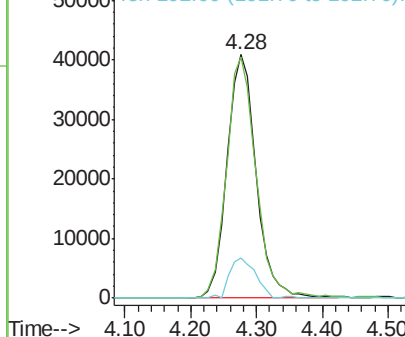


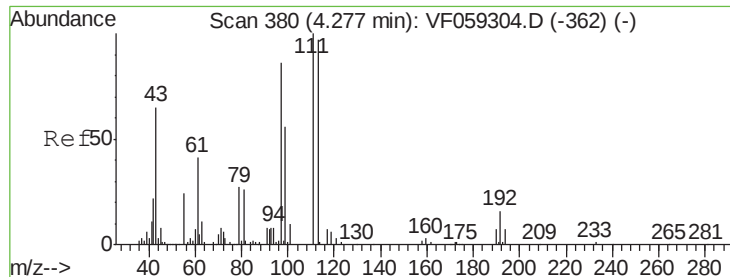
#35
Dibromofluoromethane
Concen: 46.37 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF059338.D
Acq: 27 Jun 2018 14:50

Tgt Ion:113 Resp: 126854
Ion Ratio Lower Upper
113 100
111 99.0 82.1 123.1
192 16.4 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: 4.29 min Scan# 381

Delta R.T. 0.01 min

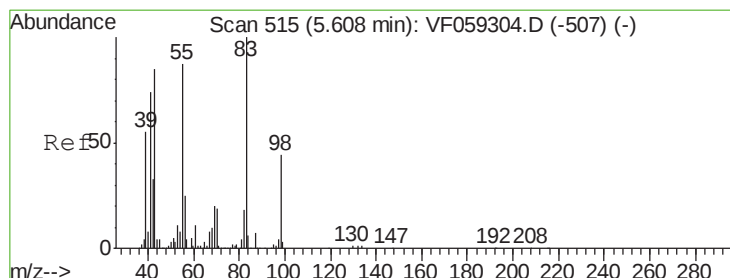
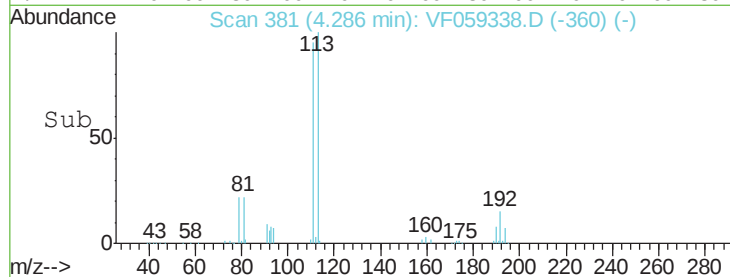
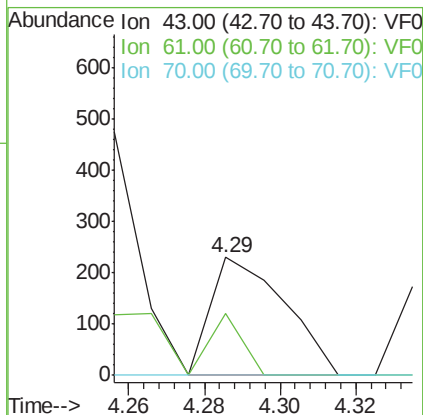
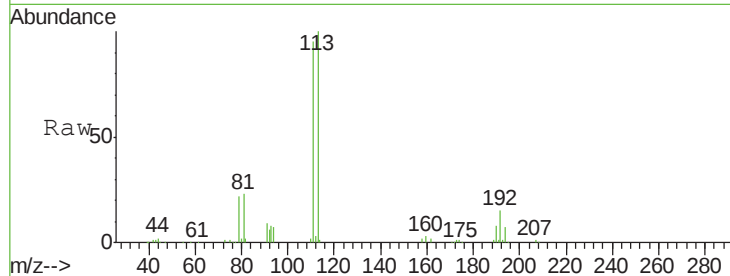
Lab File: VF059338.D

Acq: 27 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 310

Ion	Ratio	Lower	Upper
43	100		
61	52.2	50.1	75.1
70	0.0	6.2	9.4#



#39

Methylcyclohexane

Concen: 1.26 ug/l

RT: 5.74 min Scan# 529

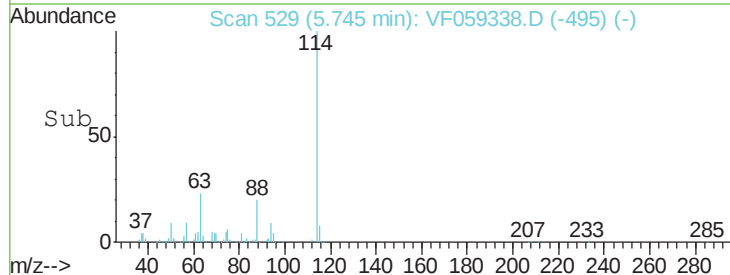
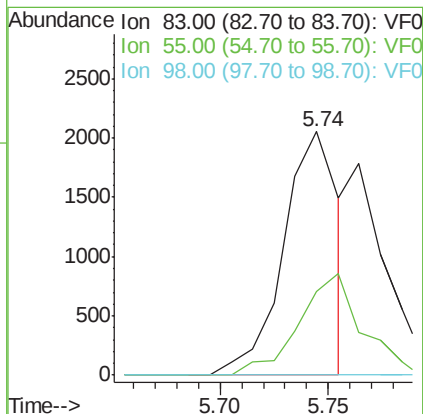
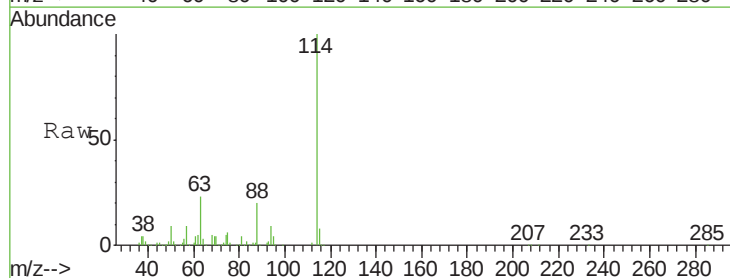
Delta R.T. 0.14 min

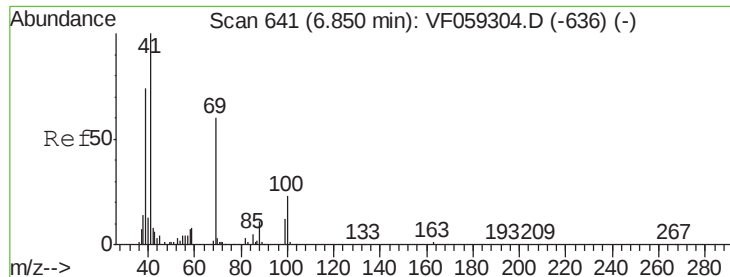
Lab File: VF059338.D

Acq: 27 Jun 2018 14:50

Tgt Ion: 83 Resp: 3651

Ion	Ratio	Lower	Upper
83	100		
55	34.3	69.2	103.8#
98	0.0	35.0	52.6#





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.75 min Scan# 631

Delta R.T. -0.10 min

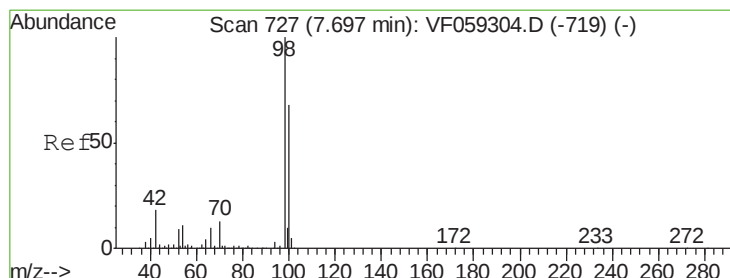
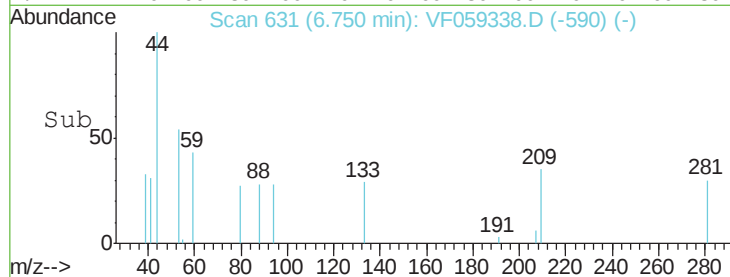
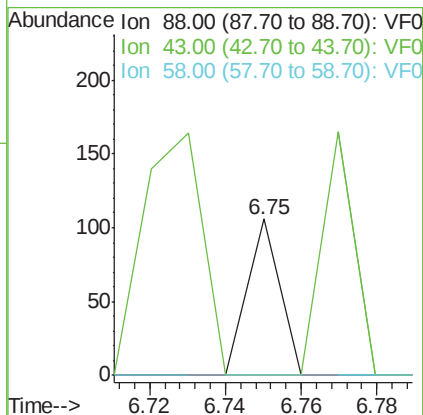
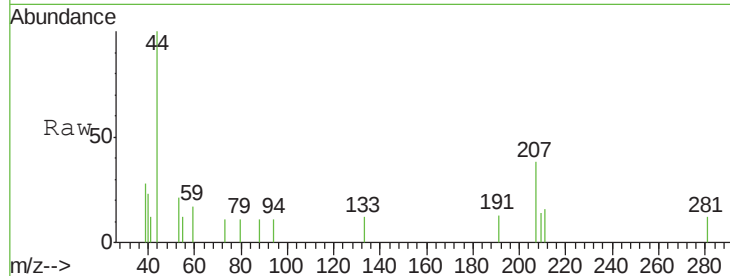
Lab File: VF059338.D

Acq: 27 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 63

Ion	Ratio	Lower	Upper
88	100		
43	0.0	50.6	75.8#
58	0.0	46.6	69.8#



#50

Toluene-d8

Concen: 42.90 ug/l

RT: 7.70 min Scan# 727

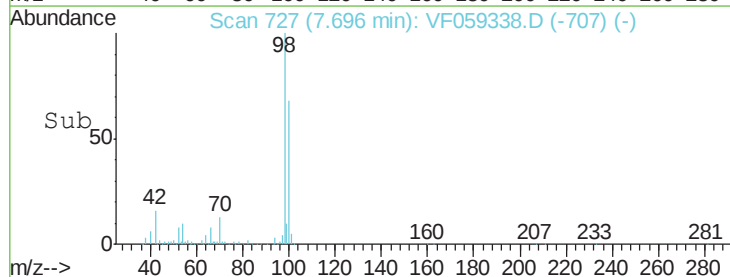
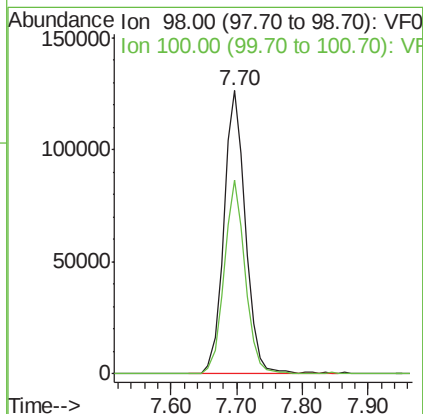
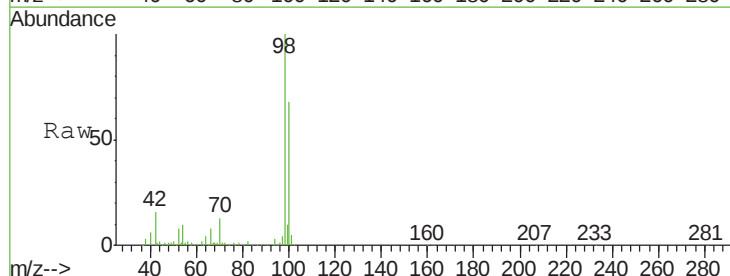
Delta R.T. -0.00 min

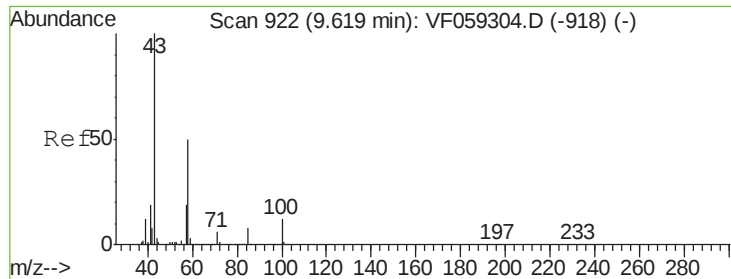
Lab File: VF059338.D

Acq: 27 Jun 2018 14:50

Tgt Ion: 98 Resp: 290554

Ion	Ratio	Lower	Upper
98	100		
100	68.3	54.6	82.0





#59

2-Hexanone

Concen: Below Cal

RT: 9.63 min Scan# 923

Delta R.T. 0.01 min

Lab File: VF059338.D

Acq: 27 Jun 2018 14:50

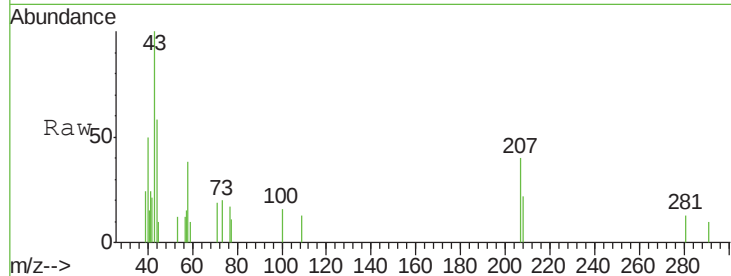
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 2363

Ion Ratio Lower Upper

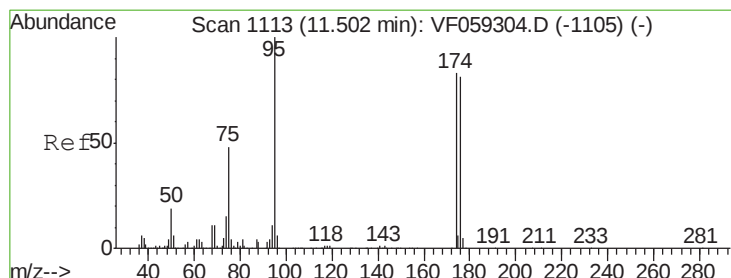
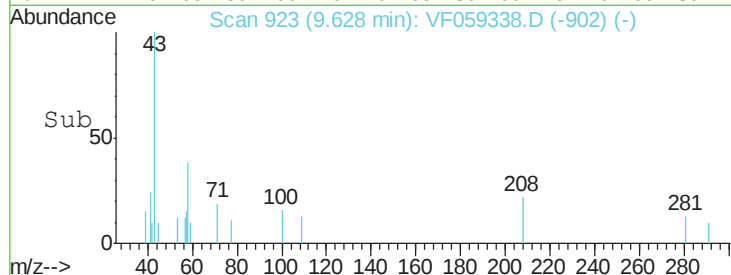
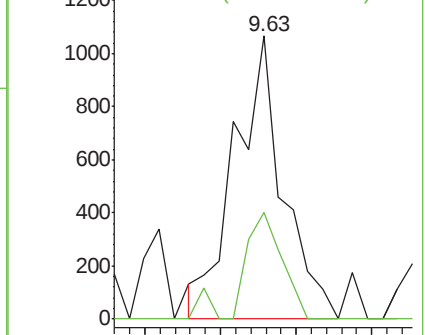
43 100

58 37.8 23.3 69.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 46.13 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059338.D

Acq: 27 Jun 2018 14:50

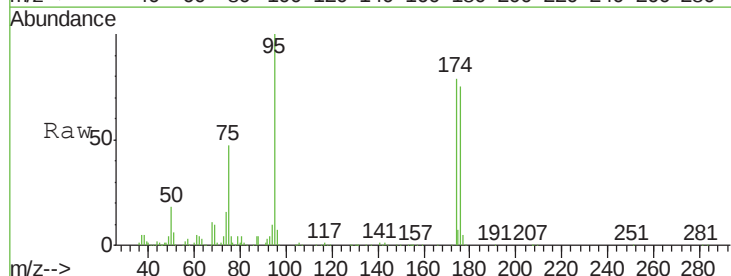
Tgt Ion: 95 Resp: 176245

Ion Ratio Lower Upper

95 100

174 79.2 0.0 165.2

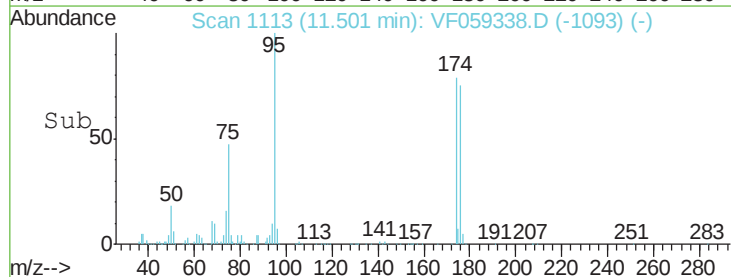
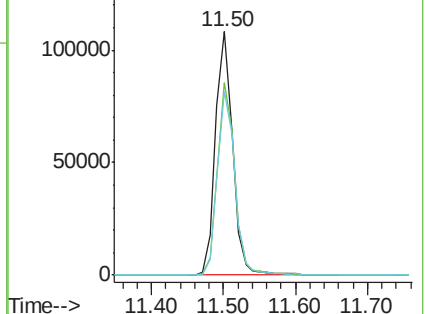
176 75.1 0.0 161.0

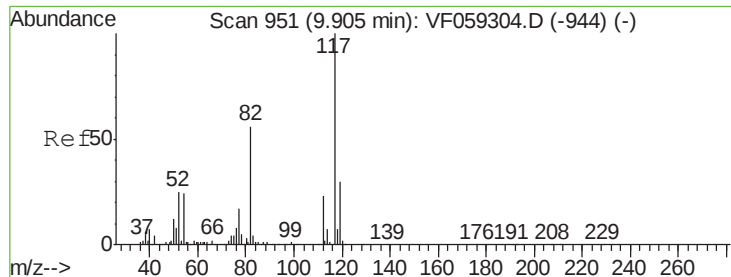


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.90 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF059338.D

Acq: 27 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

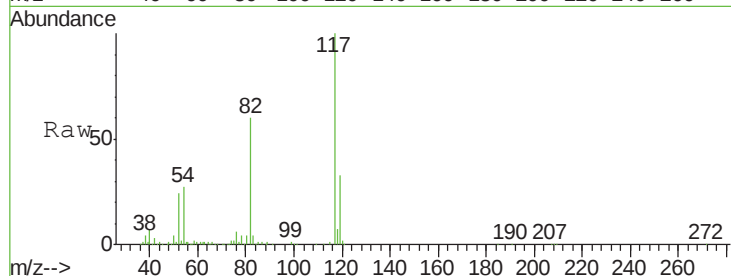
Tot Ion:117 Resp: 372310

Ion Ratio Lower Upper

117 100

82 60.2 44.6 66.8

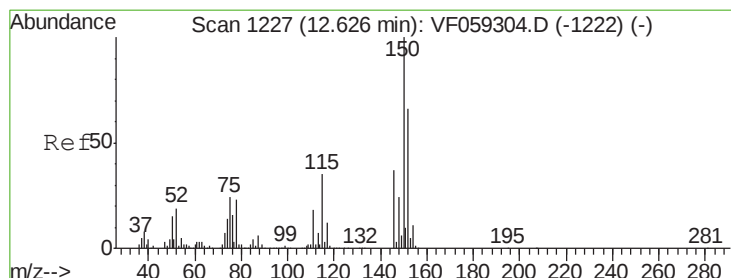
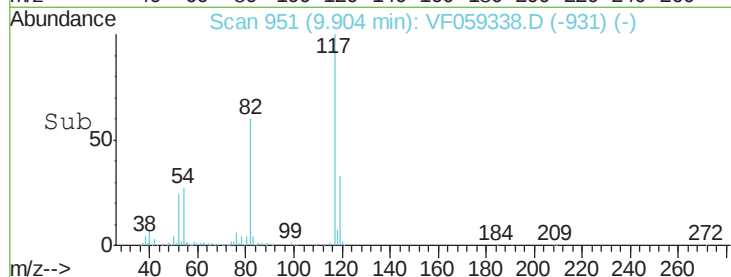
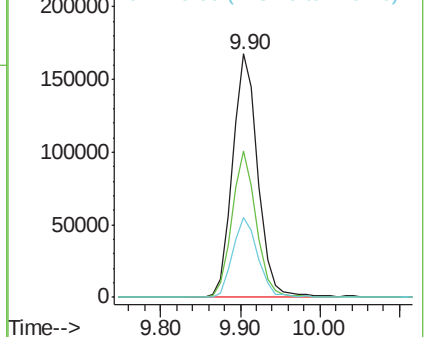
119 33.0 24.1 36.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059338.D

Acq: 27 Jun 2018 14:50

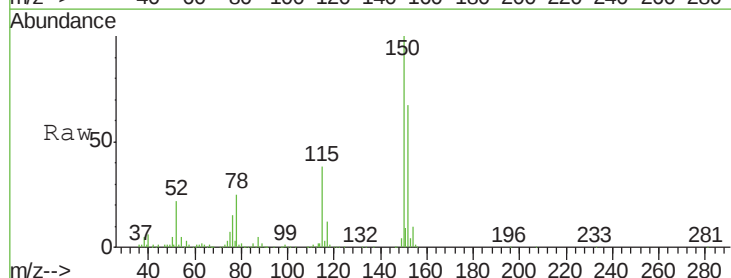
Tgt Ion:152 Resp: 253920

Ion Ratio Lower Upper

152 100

115 56.4 27.1 81.3

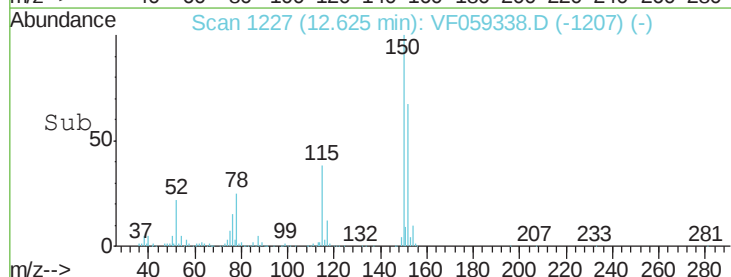
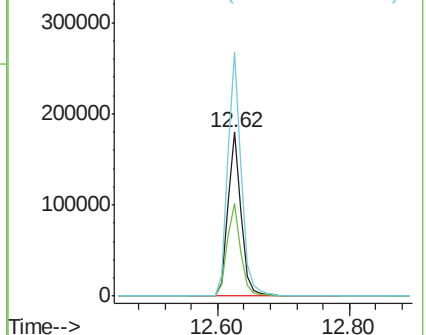
150 148.3 0.0 305.2

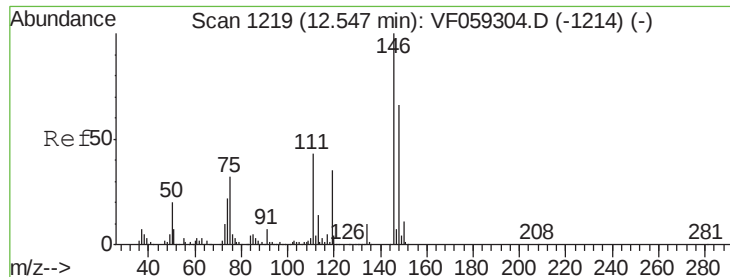


Abundance Ion 152.00 (151.70 to 152.70): V

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: 12.56 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF059338.D

Acq: 27 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

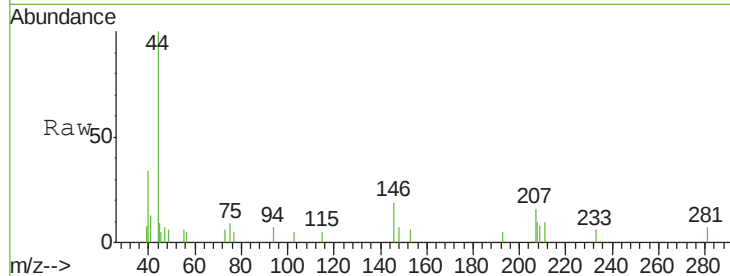
Tot Ion:146 Resp: 571

Ion Ratio Lower Upper

146 100

111 0.0 21.4 64.2#

148 36.6 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

