

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062718\
 Data File : VF059347.D
 Acq On : 27 Jun 2018 19:00
 Operator : VA/AP
 Sample : J3677-07
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 28 01:44:23 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

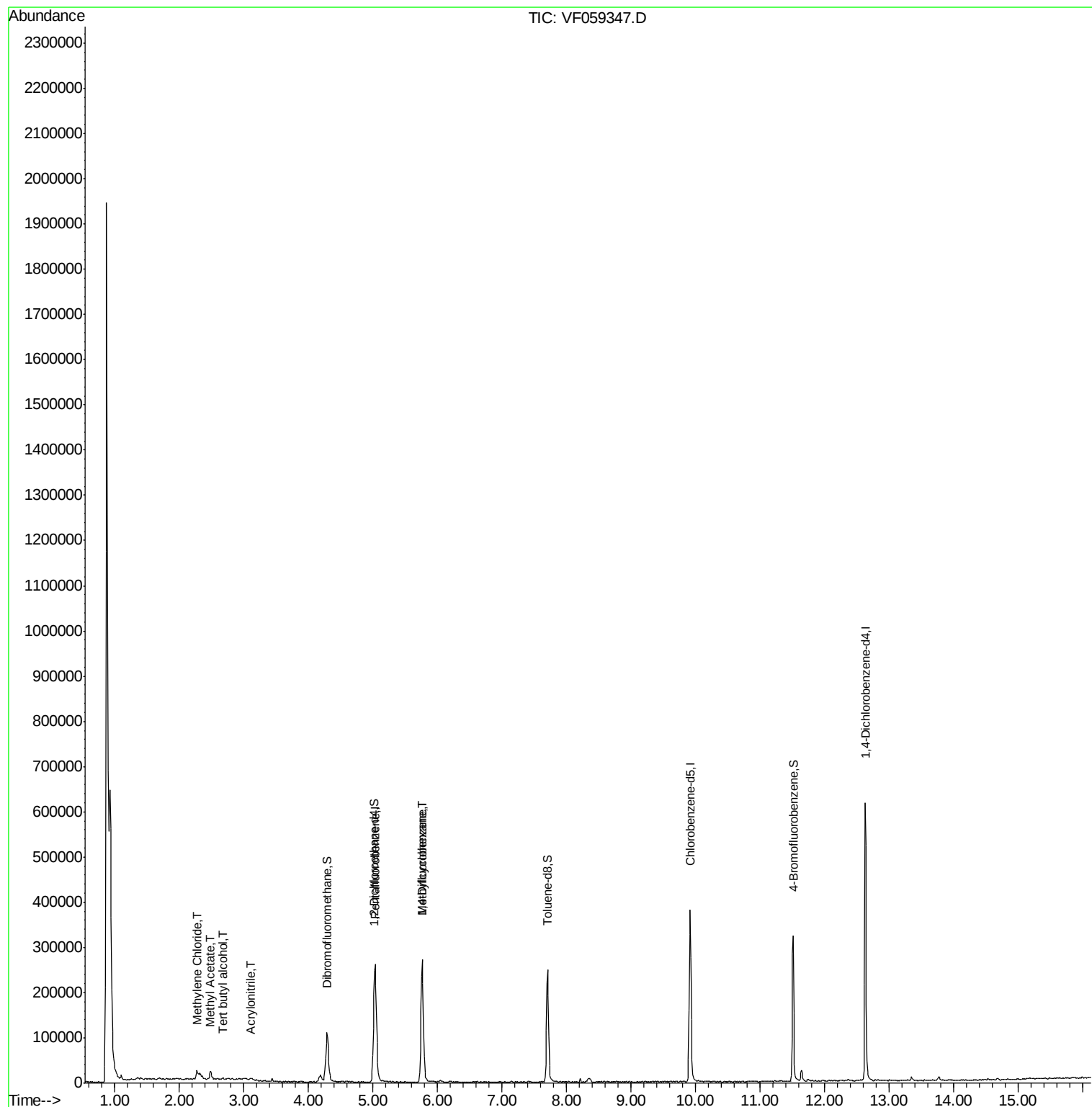
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	182795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	277990	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	269085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	156302	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	106645	45.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.32%	
35) Dibromofluoromethane	4.28	113	94634	46.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.18%	
50) Toluene-d8	7.71	98	204656	40.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.40%	
62) 4-Bromofluorobenzene	11.51	95	117210	41.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.64%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.24	94	69	Below Cal		99
11) Tert butyl alcohol	2.69	59	887	5.642 ug/l #		66
13) Acrolein	1.98	56	102	Below Cal		89
15) Acrylonitrile	3.09	53	650	2.348 ug/l #		45
16) Acetone	2.33	43	4650	Below Cal #		92
18) Methyl Acetate	2.48	43	5373	3.969 ug/l #		69
20) Methylene Chloride	2.27	84	12252	2.184 ug/l		89
25) 2-Butanone	4.52	43	908	Below Cal #		57
28) Bromochloromethane	3.91	49	95	Below Cal #		6
29) Tetrahydrofuran	4.23	42	107	Below Cal #		1
37) Ethyl Acetate	4.27	43	522	Below Cal #		26
39) Methylcyclohexane	5.76	83	3589	1.668 ug/l #		34
59) 2-Hexanone	9.63	43	661	Below Cal #		30
87) 1,3-Dichlorobenzene	12.56	146	161	Below Cal #		9

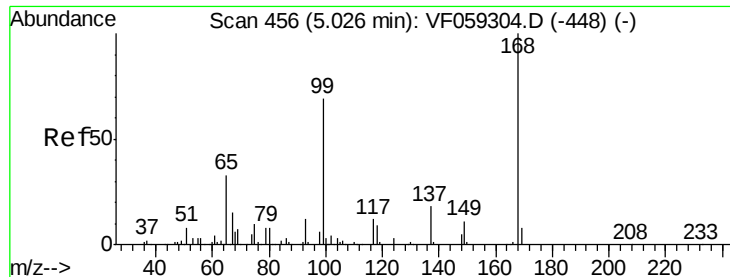
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059347.D

Acq: 27 Jun 2018 19:00

Instrument :

MSVOA_F

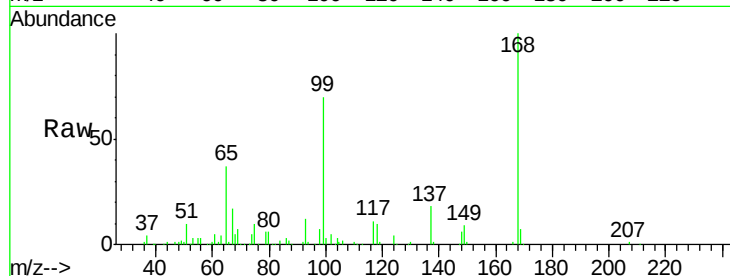
ClientSampleId :

Tot Ion:168 Resp: 182795

Ion Ratio Lower Upper

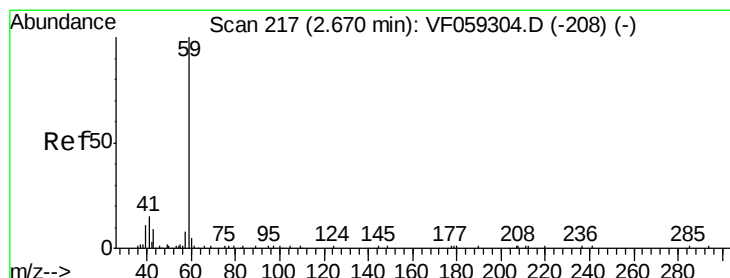
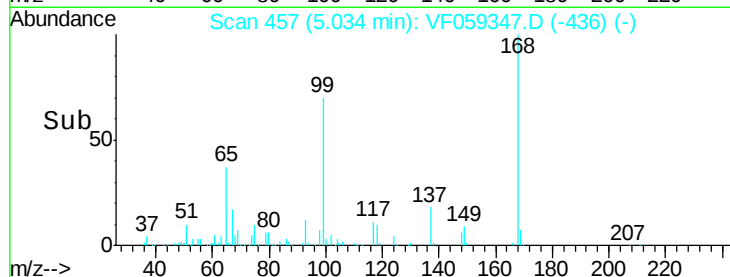
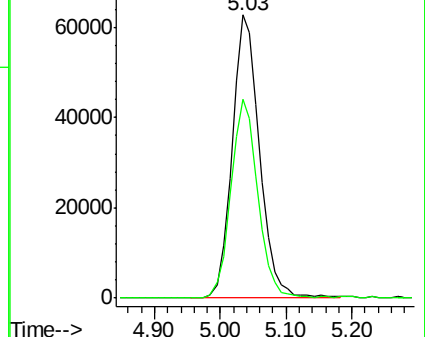
168 100

99 70.5 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 5.642 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.02 min

Lab File: VF059347.D

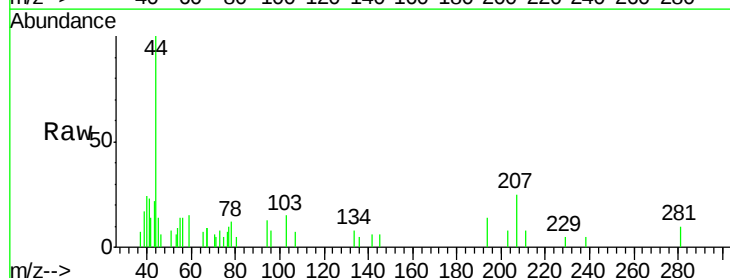
Acq: 27 Jun 2018 19:00

Tgt Ion: 59 Resp: 887

Ion Ratio Lower Upper

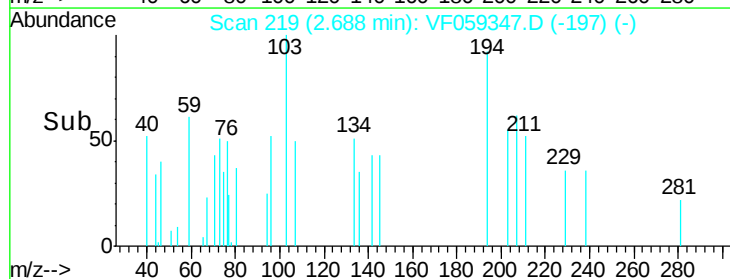
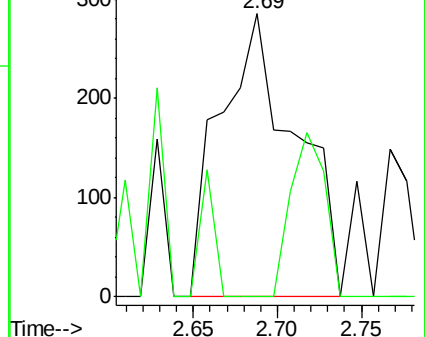
59 100

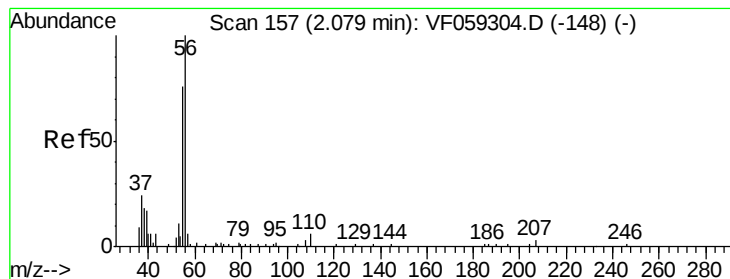
57 0.0 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 1.98 min Scan# 147

Delta R.T. -0.10 min

Lab File: VF059347.D

Acq: 27 Jun 2018 19:00

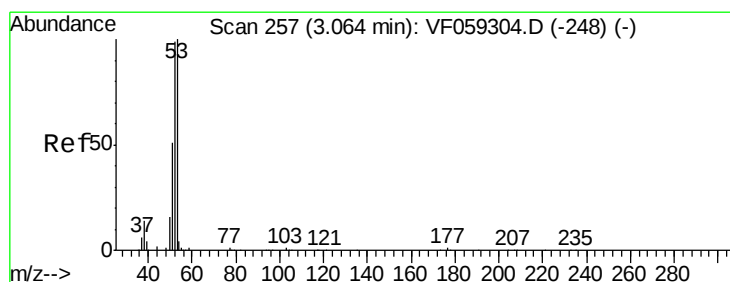
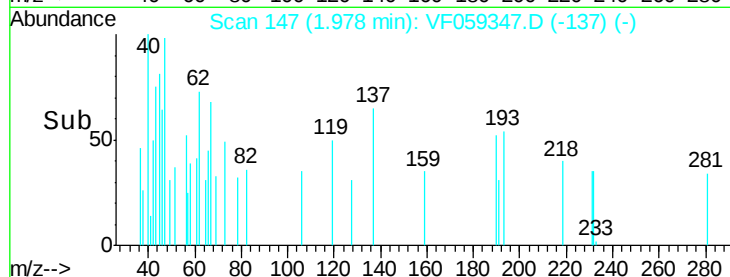
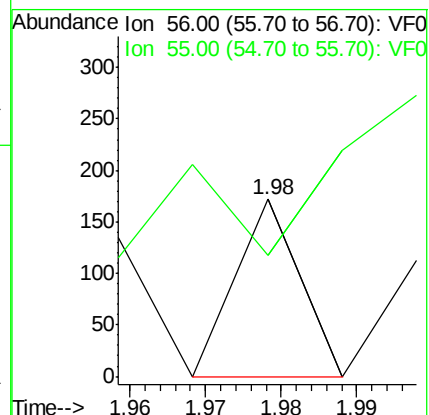
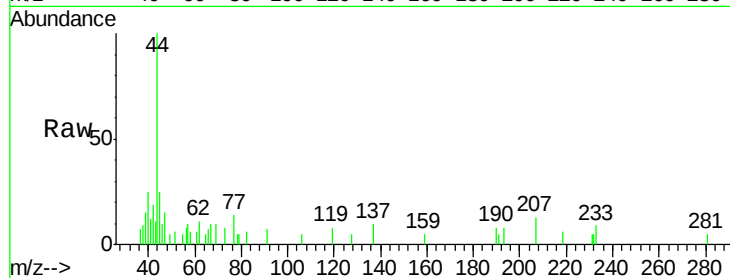
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 68.0 62.4 93.6



#15

Acrylonitrile

Concen: 2.348 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.03 min

Lab File: VF059347.D

Acq: 27 Jun 2018 19:00

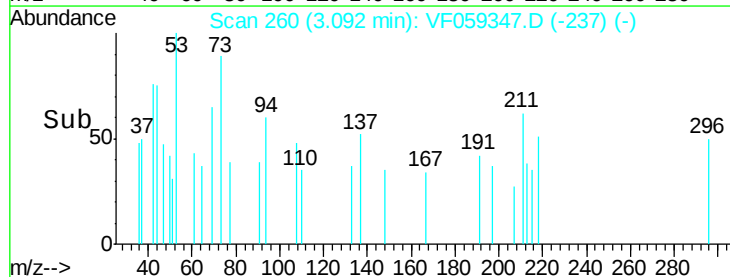
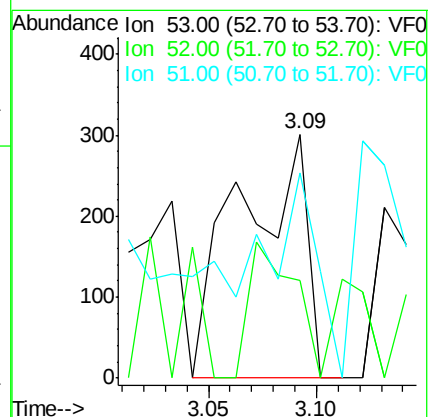
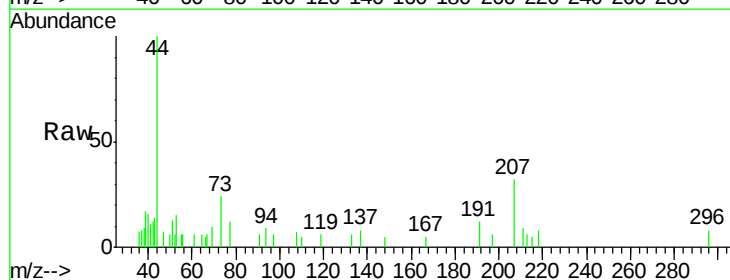
Tgt Ion: 53 Resp: 650

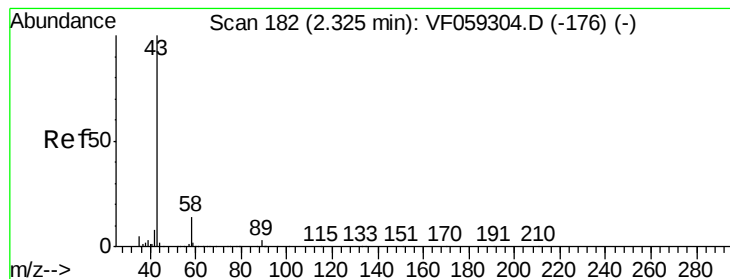
Ion Ratio Lower Upper

53 100

52 39.9 79.2 118.8#

51 84.4 40.9 61.3#





#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059347.D

Acq: 27 Jun 2018 19:00

Instrument :

MSVOA_F

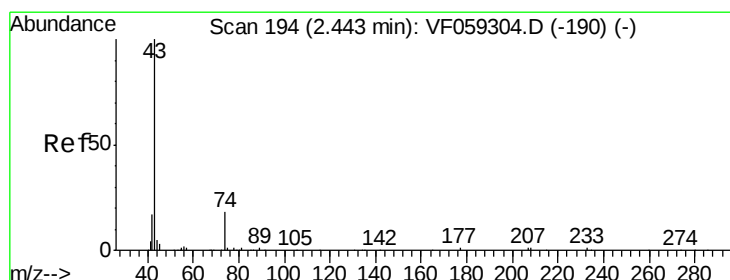
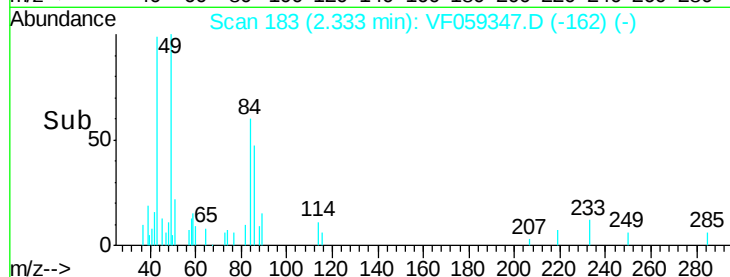
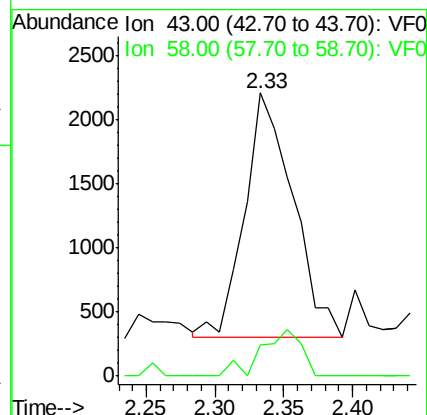
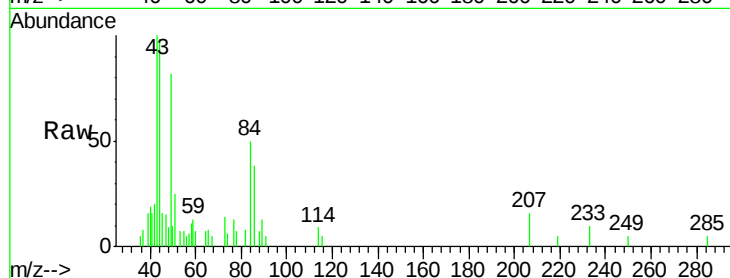
ClientSampleId :

Tot Ion: 43 Resp: 4650

Ion Ratio Lower Upper

43 100

58 10.9 11.4 17.0#



#18

Methyl Acetate

Concen: 3.969 ug/l

RT: 2.48 min Scan# 198

Delta R.T. 0.04 min

Lab File: VF059347.D

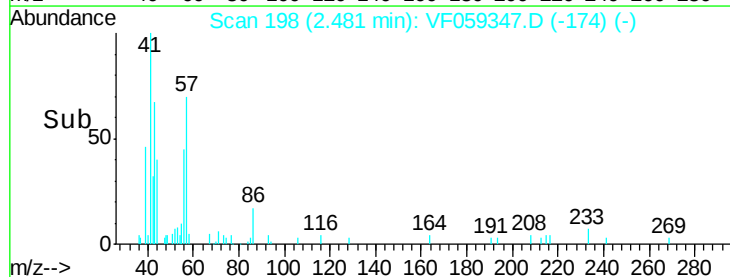
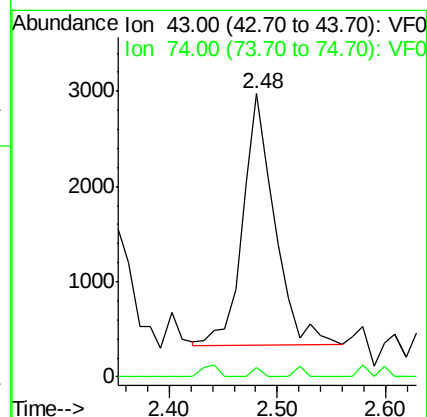
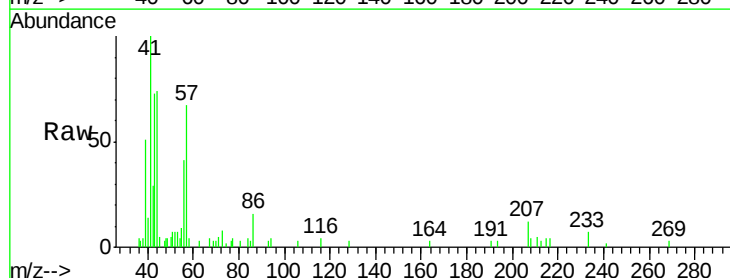
Acq: 27 Jun 2018 19:00

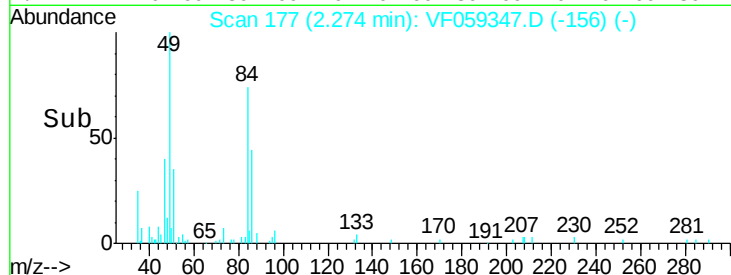
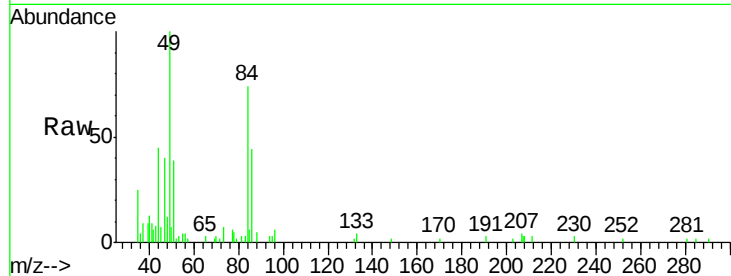
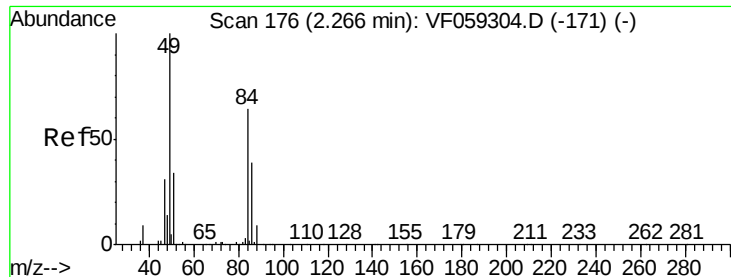
Tgt Ion: 43 Resp: 5373

Ion Ratio Lower Upper

43 100

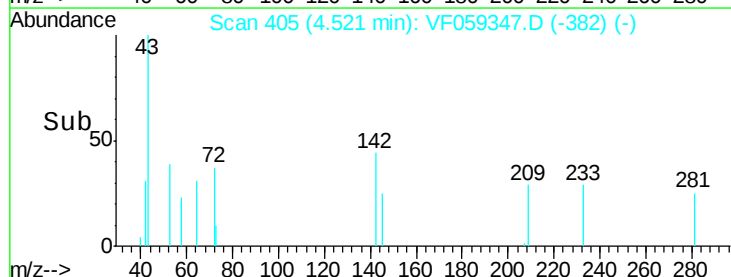
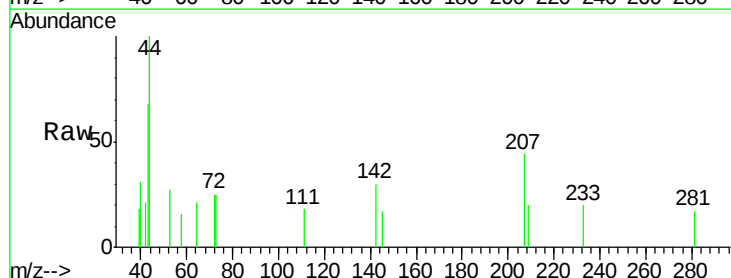
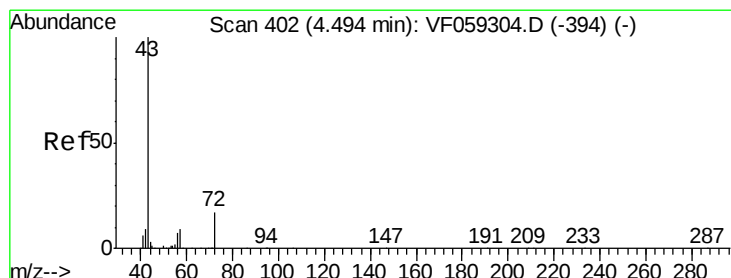
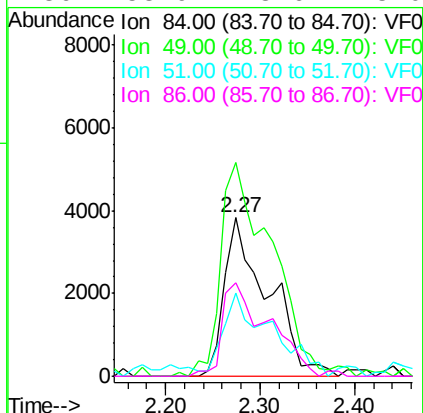
74 3.4 13.3 19.9#





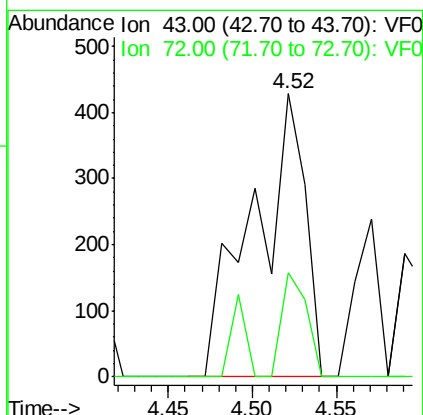
#20
Methylene Chloride
Concen: 2.184 ug/l
RT: 2.27 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059347.D
Acq: 27 Jun 2018 19:00

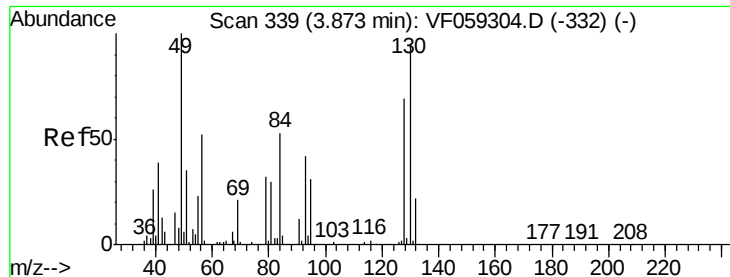
Tot Ion:	84	Resp:	12252
Ion	Ratio	Lower	Upper
84	100		
49	135.1	126.5	189.7
51	52.8	42.9	64.3
86	58.9	48.6	73.0



#25
2-Butanone
Concen: Below Cal
RT: 4.52 min Scan# 405
Delta R.T. 0.03 min
Lab File: VF059347.D
Acq: 27 Jun 2018 19:00

Tgt Ion:	43	Resp:	908
Ion	Ratio	Lower	Upper
43	100		
72	36.9	14.4	21.6#





#28

Bromochloromethane

Concen: Below Cal

RT: 3.91 min Scan# 343

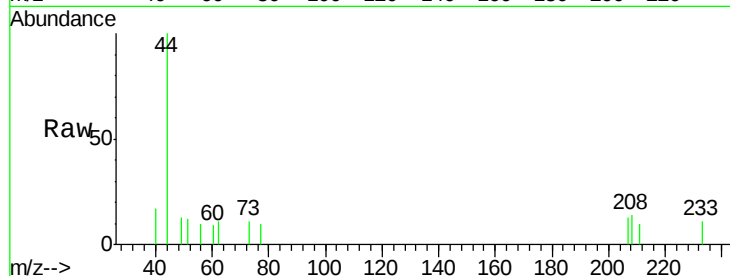
Delta R.T. 0.04 min

Lab File: VF059347.D

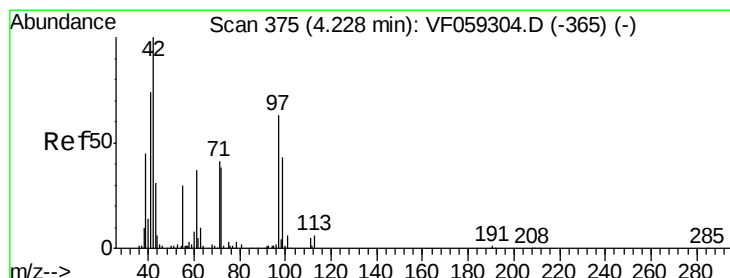
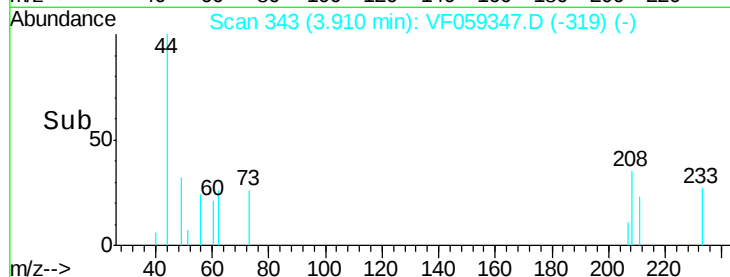
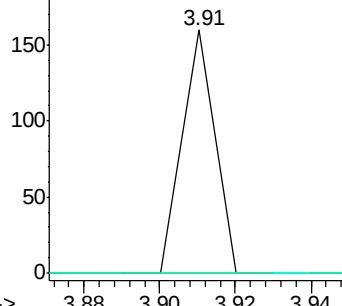
Acq: 27 Jun 2018 19:00

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 49 Resp: 95
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.4
130 0.0 75.1 112.7#



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V



#29

Tetrahydrofuran

Concen: Below Cal

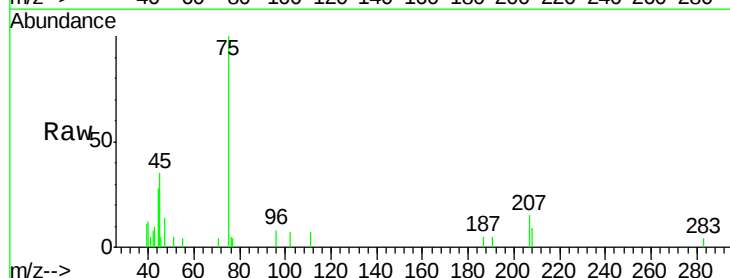
RT: 4.23 min Scan# 375

Delta R.T. -0.00 min

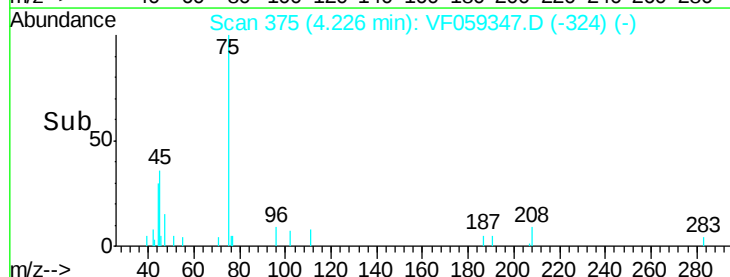
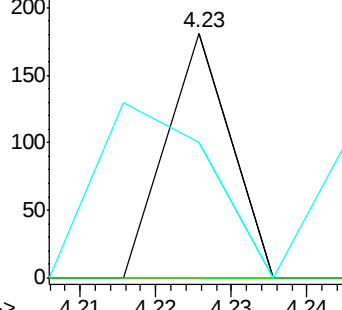
Lab File: VF059347.D

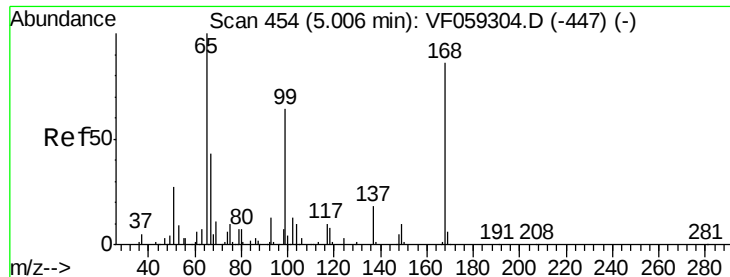
Acq: 27 Jun 2018 19:00

Tgt Ion: 42 Resp: 107
Ion Ratio Lower Upper
42 100
72 0.0 30.5 45.7#
71 127.1 32.5 48.7#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 45.156 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF059347.D

Acq: 27 Jun 2018 19:00

Instrument :

MSVOA_F

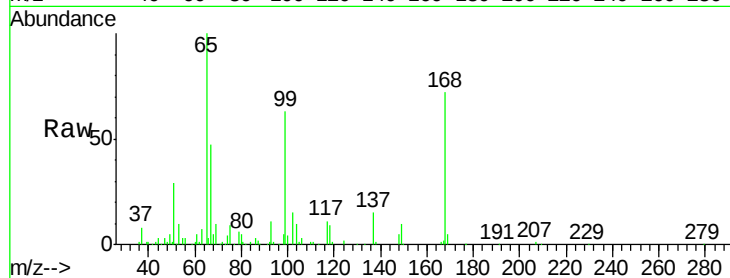
ClientSampled :

Tot Ion: 65 Resp: 106645

Ion Ratio Lower Upper

65 100

67 47.3 0.0 96.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

40000

30000

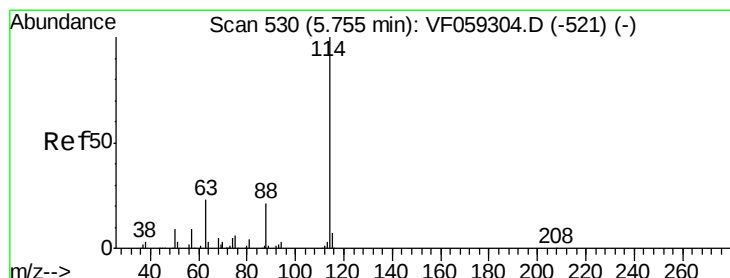
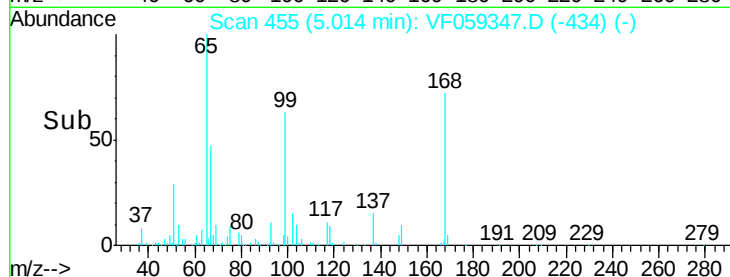
20000

10000

0

Time-->

4.90 5.01 5.10 5.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059347.D

Acq: 27 Jun 2018 19:00

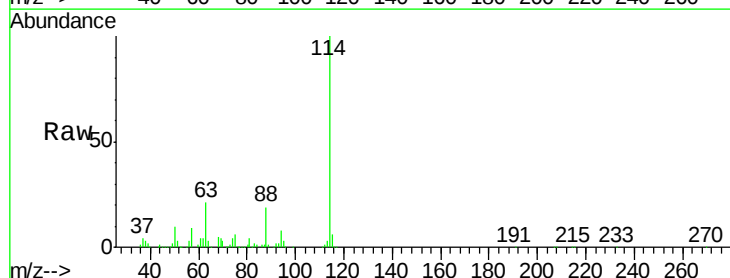
Tgt Ion:114 Resp: 277990

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.8

88 18.6 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

150000

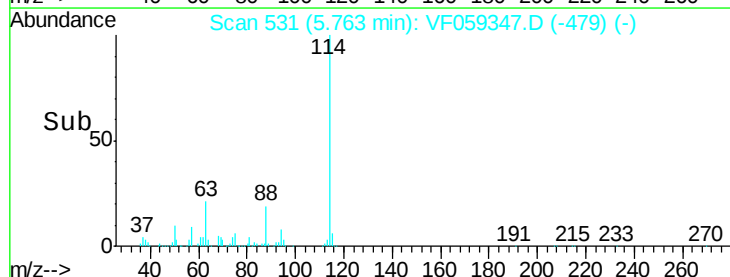
100000

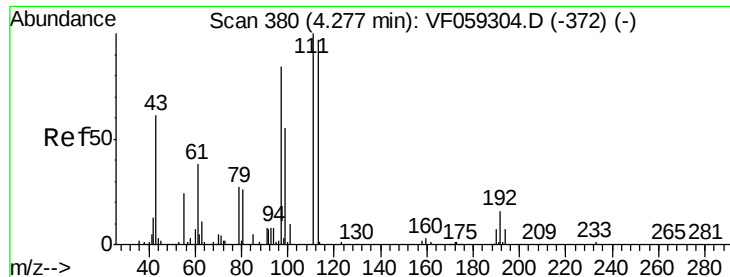
50000

0

Time-->

5.70 5.76 5.80 5.90

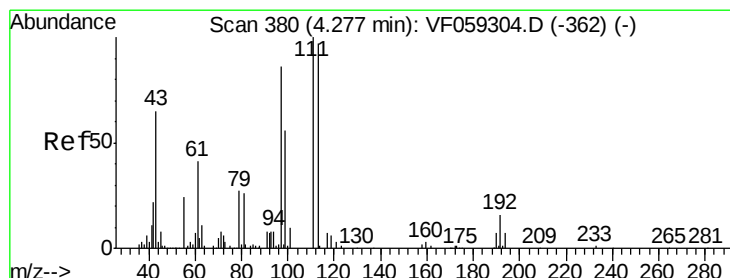
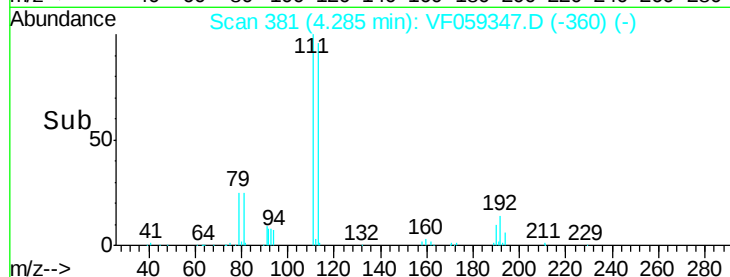
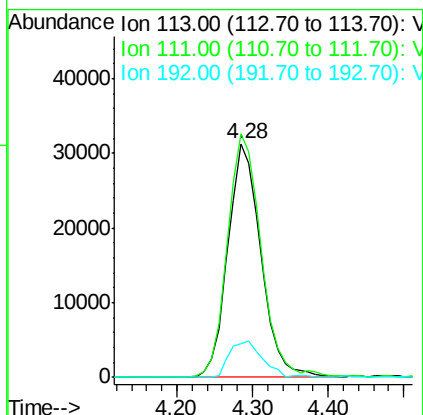
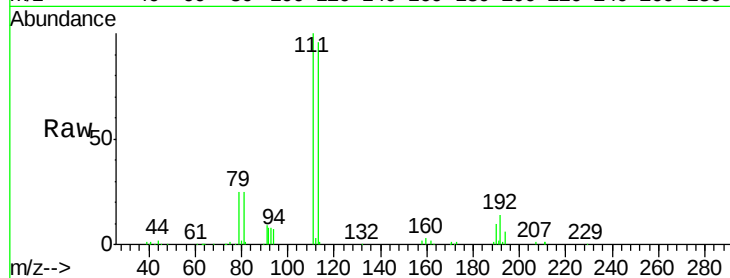




#35
 Dibromofluoromethane
 Concen: 46.591 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VF059347.D
 Acq: 27 Jun 2018 19:00

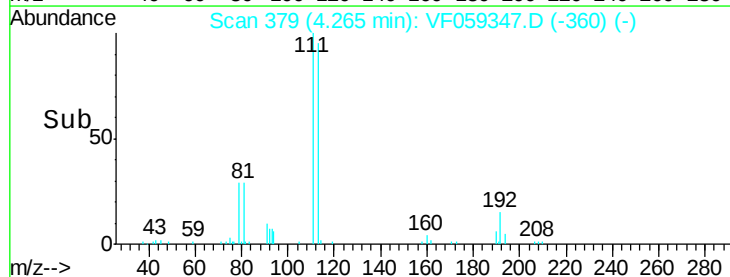
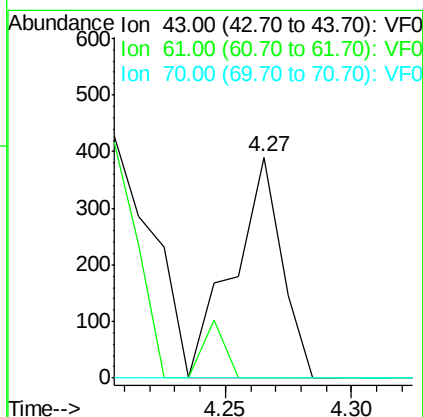
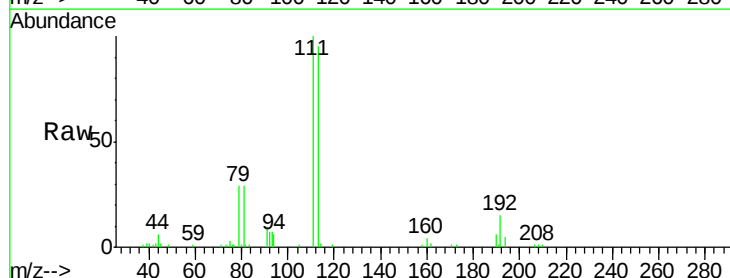
Instrument :
 MSVOA_F
 ClientSampleId :

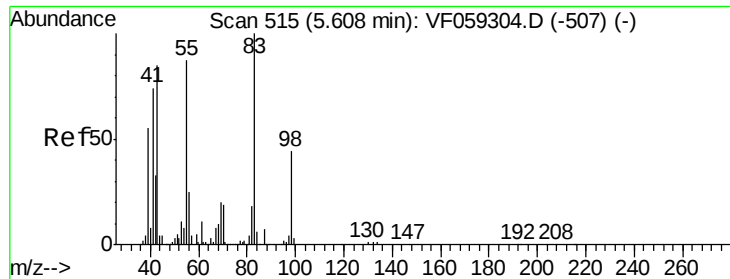
Tot Ion:113 Resp: 94634
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.1 123.1
 192 14.2 13.0 19.6



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.27 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VF059347.D
 Acq: 27 Jun 2018 19:00

Tgt Ion: 43 Resp: 522
 Ion Ratio Lower Upper
 43 100
 61 0.0 50.1 75.1#
 70 0.0 6.2 9.4#

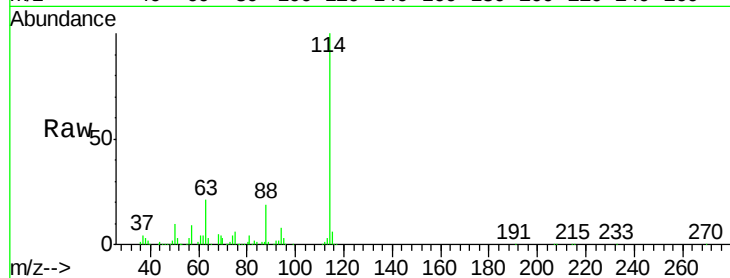




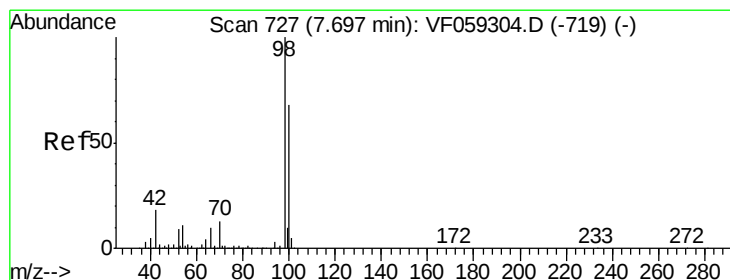
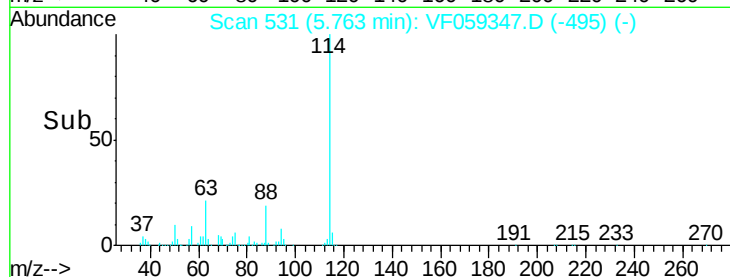
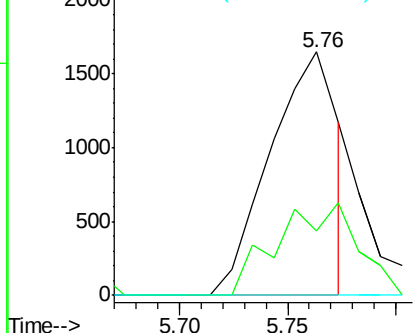
#39
Methvlcvclohexane
Concen: 1.668 ug/l
RT: 5.76 min Scan# 531
Delta R.T. 0.16 min
Lab File: VF059347.D
Acq: 27 Jun 2018 19:00

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 3589
Ion Ratio Lower Upper
83 100
55 26.3 69.2 103.8#
98 0.0 35.0 52.6#

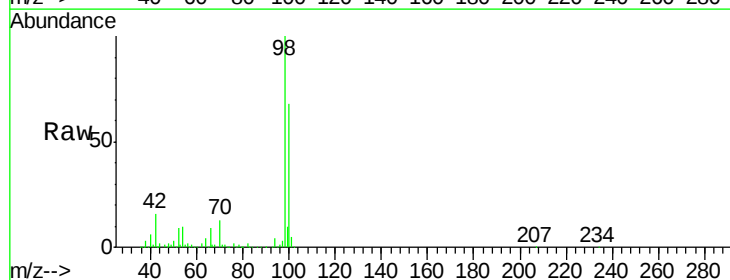


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

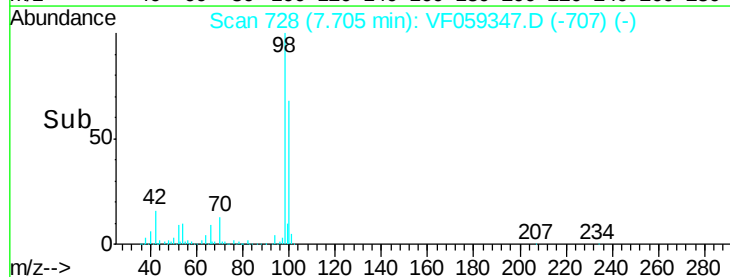
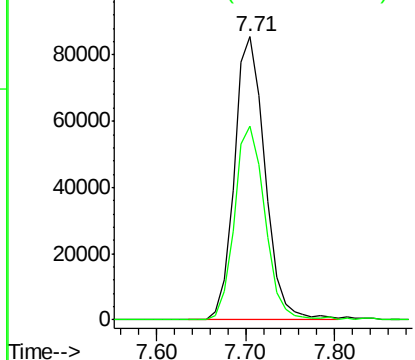


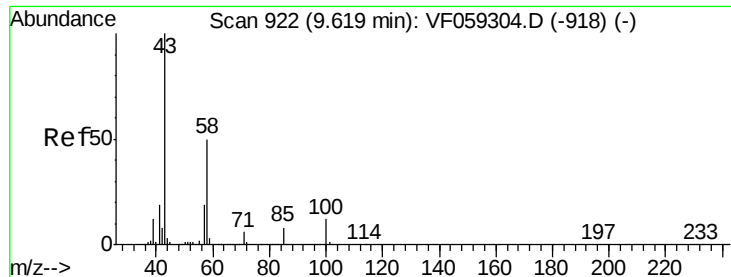
#50
Toluene-d8
Concen: 40.695 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF059347.D
Acq: 27 Jun 2018 19:00

Tgt Ion: 98 Resp: 204656
Ion Ratio Lower Upper
98 100
100 68.3 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#59

2-Hexanone

Concen: Below Cal

RT: 9.63 min Scan# 923

Delta R.T. 0.01 min

Lab File: VF059347.D

Acq: 27 Jun 2018 19:00

Instrument :

MSVOA_F

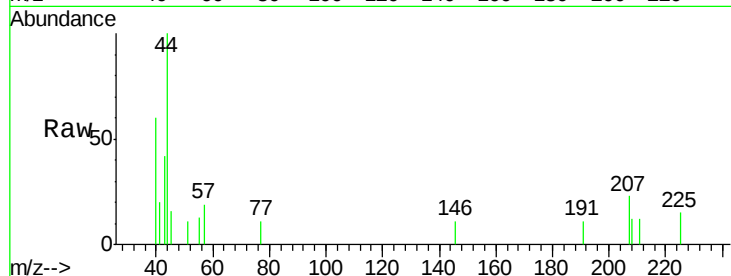
ClientSampleId :

Tot Ion: 43 Resp: 661

Ion Ratio Lower Upper

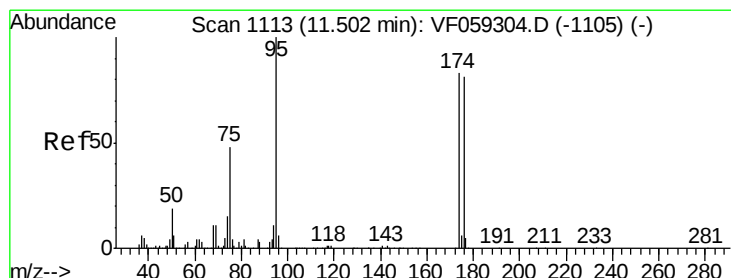
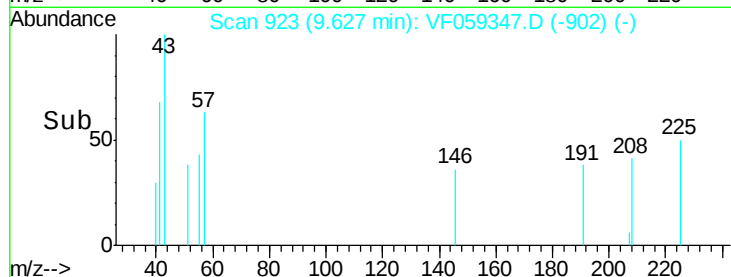
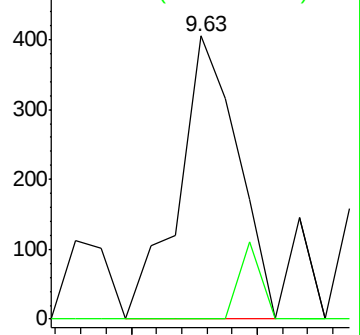
43 100

58 0.0 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: 41.317 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059347.D

Acq: 27 Jun 2018 19:00

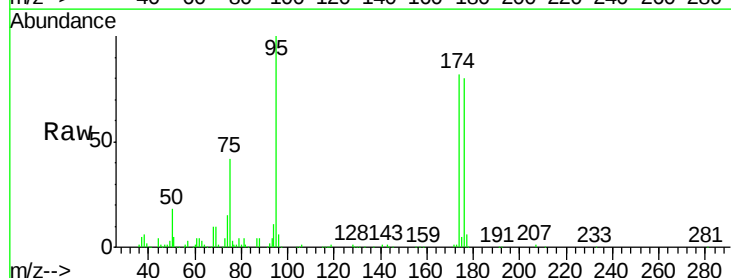
Tgt Ion: 95 Resp: 117210

Ion Ratio Lower Upper

95 100

174 81.8 0.0 165.2

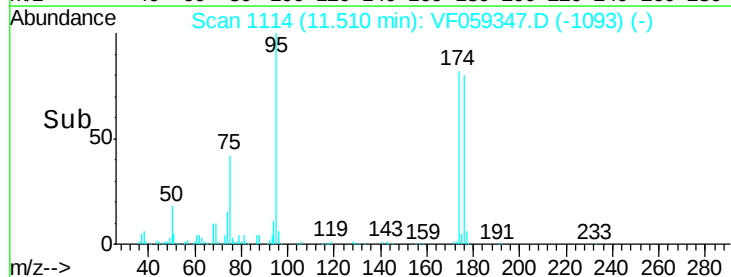
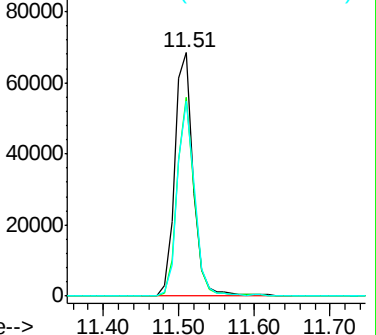
176 80.0 0.0 161.0

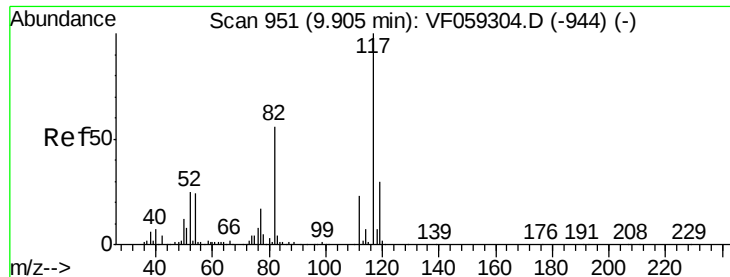


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

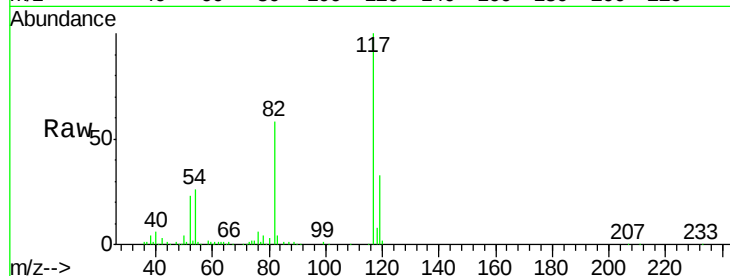




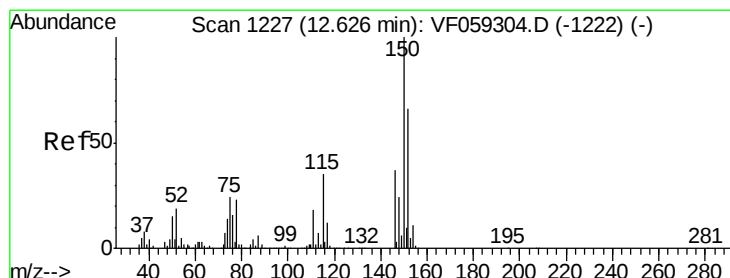
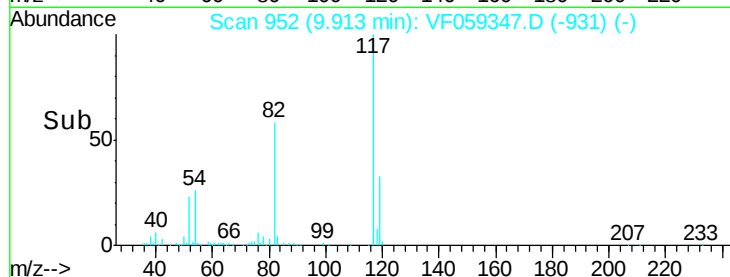
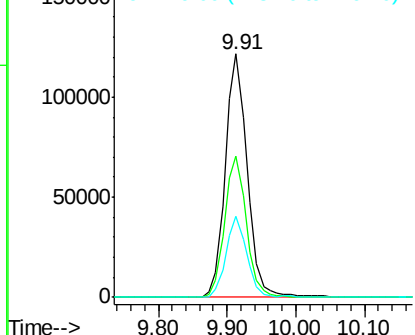
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059347.D
Acq: 27 Jun 2018 19:00

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.6	66.8
119	33.2	24.1	36.1

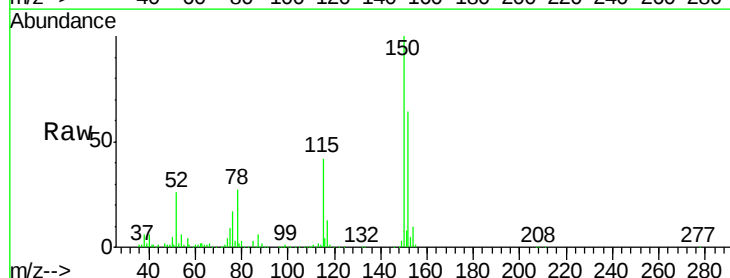


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

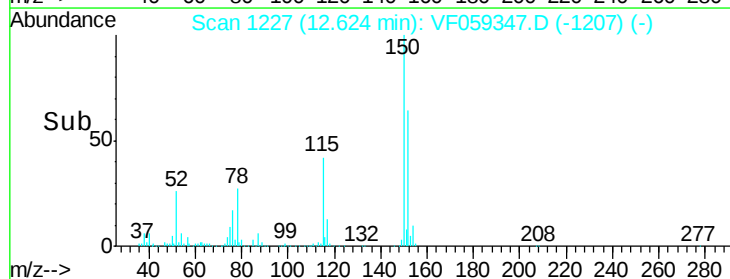
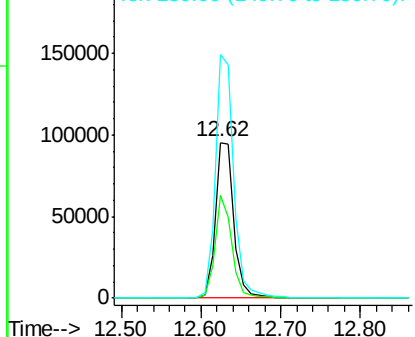


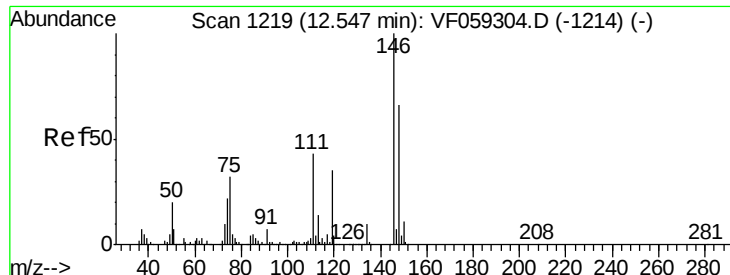
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059347.D
Acq: 27 Jun 2018 19:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.6	27.1	81.3
150	156.3	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: VF059347.D

Acq: 27 Jun 2018 19:00

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:146 Resp: 161

Ion Ratio Lower Upper

146 100

111 0.0 21.4 64.2#

148 150.0 32.8 98.4#

