

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070218\
 Data File : VF059395.D
 Acq On : 2 Jul 2018 19:00
 Operator : VA/AP
 Sample : J3802-01RE
 Misc : 7.78g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CF-1(15.0)RE

Quant Time: Jul 03 01:10:31 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	5.02	168	170466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	298056	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	268789	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	181269	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	147118	66.80	ug/l	0.00
Spiked Amount			Recovery	=	133.60%	
35) Dibromofluoromethane	4.28	113	130212	59.79	ug/l	0.00
Spiked Amount			Recovery	=	119.58%	
50) Toluene-d8	7.69	98	302061	56.02	ug/l	-0.01
Spiked Amount			Recovery	=	112.04%	
62) 4-Bromofluorobenzene	11.49	95	172682	56.77	ug/l	-0.01
Spiked Amount			Recovery	=	113.54%	

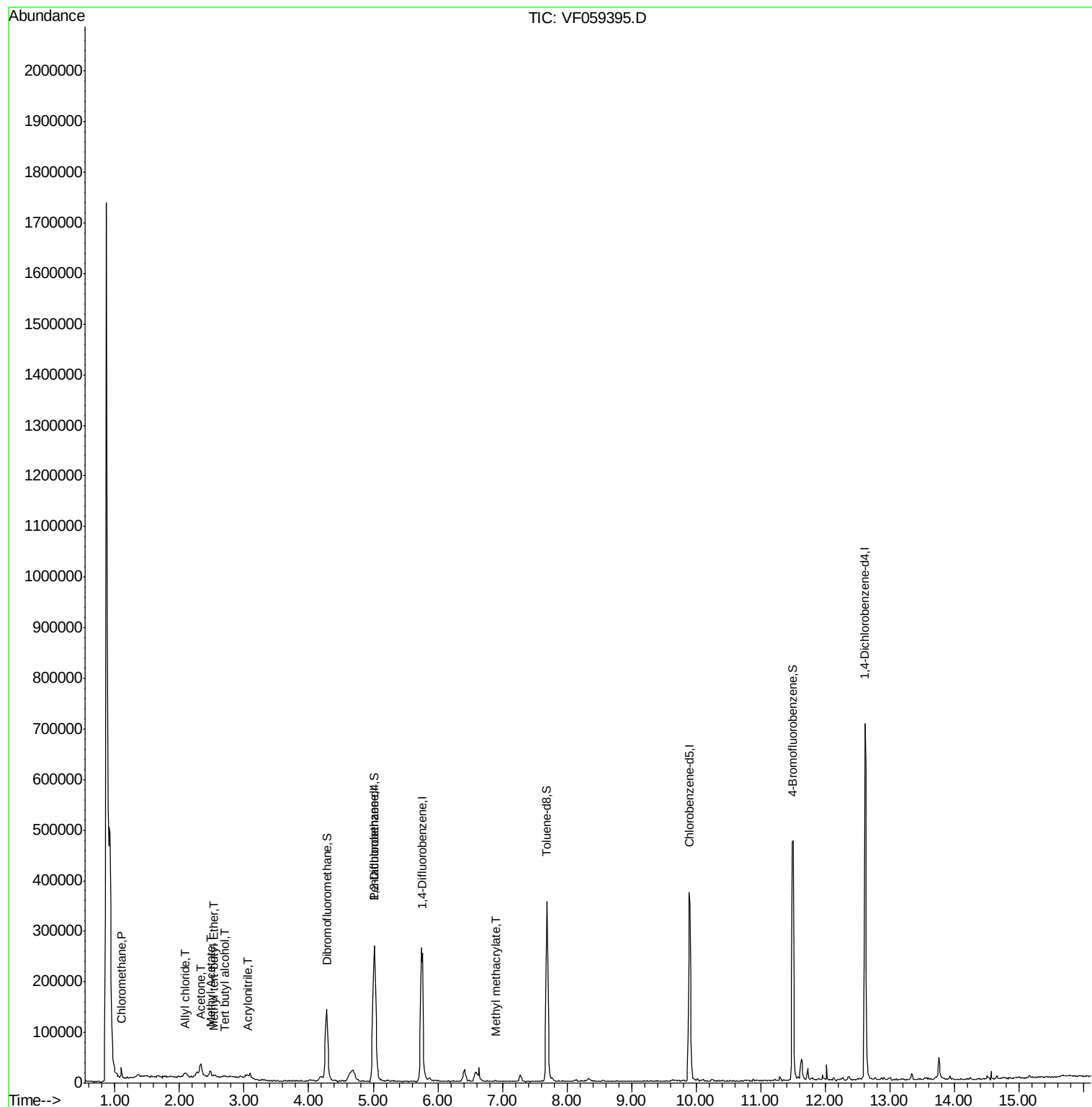
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	1214	1.16	ug/l	# 80
5) Bromomethane	1.29	94	197	Below	Cal	# 98
11) Tert butyl alcohol	2.70	59	1621	11.06	ug/l	# 82
13) Acrolein	1.98	56	1079	Below	Cal	# 99
14) Allyl chloride	2.09	41	3072	1.63	ug/l	# 50
15) Acrylonitrile	3.06	53	610	2.36	ug/l	# 21
16) Acetone	2.33	43	34552	54.86	ug/l	# 96
18) Methyl Acetate	2.47	43	3340	2.25	ug/l	# 61
19) Methyl tert-butyl Ether	2.54	73	5401	1.44	ug/l	# 92
20) Methylene Chloride	2.27	84	2492	Below	Cal	# 89
28) Bromochloromethane	3.75	49	66	Below	Cal	# 6
29) Tetrahydrofuran	4.24	42	690	Below	Cal	# 91
37) Ethyl Acetate	4.28	43	575	Below	Cal	# 26
48) Methyl methacrylate	6.91	41	1492	1.03	ug/l	# 11
49) 1,4-Dioxane	7.17	88	134	Below	Cal	# 44
59) 2-Hexanone	9.62	43	996	Below	Cal	# 30
87) 1,3-Dichlorobenzene	12.55	146	660	Below	Cal	# 49

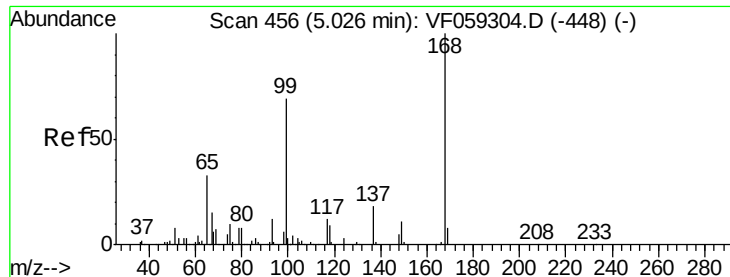
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 50.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059395.D

Acq: 2 Jul 2018 19:00

Instrument :

MSVOA_F

ClientSampleId :

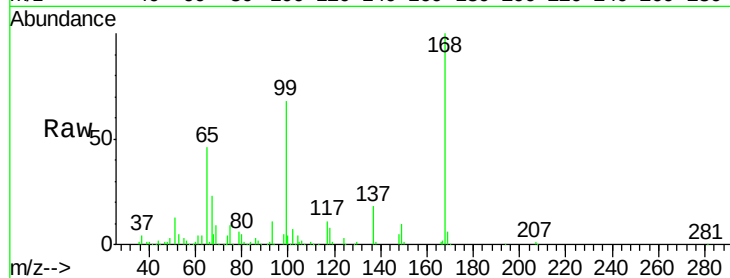
CF-1(15.0)RE

Tot Ion:168 Resp: 170466

Ion Ratio Lower Upper

168 100

99 67.9 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

60000

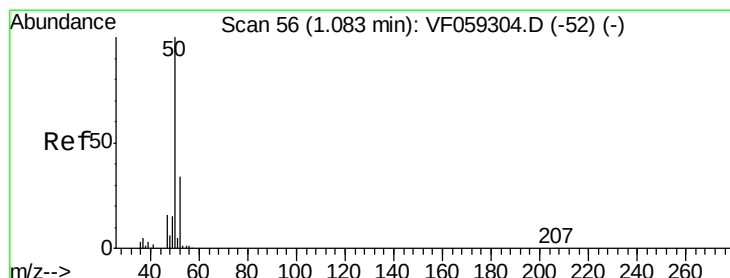
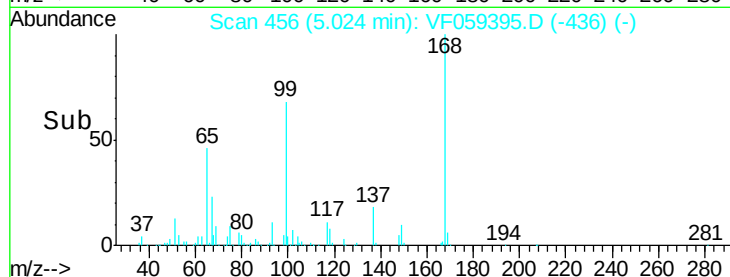
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#3

Chloromethane

Concen: 1.16 ug/l

RT: 1.10 min Scan# 58

Delta R.T. 0.02 min

Lab File: VF059395.D

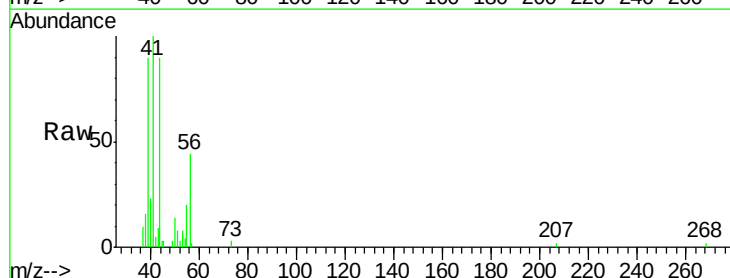
Acq: 2 Jul 2018 19:00

Tgt Ion: 50 Resp: 1214

Ion Ratio Lower Upper

50 100

52 21.9 26.7 40.1#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.10

1000

800

600

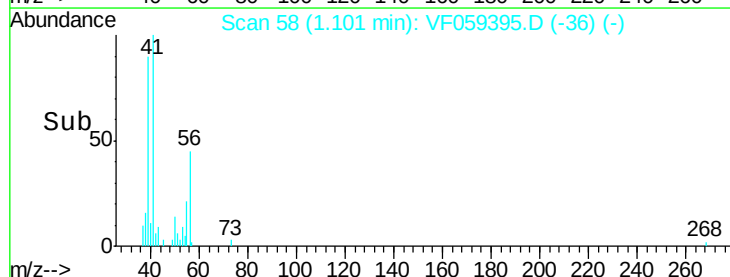
400

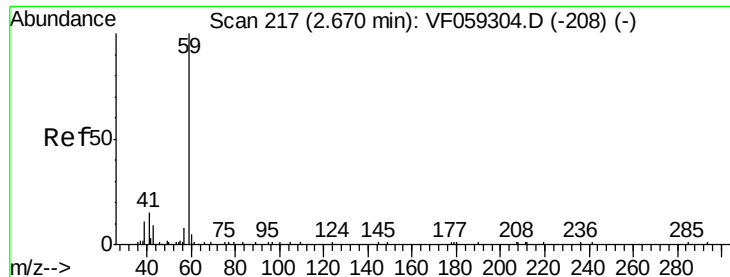
200

0

1.00 1.05 1.10 1.15

Time-->



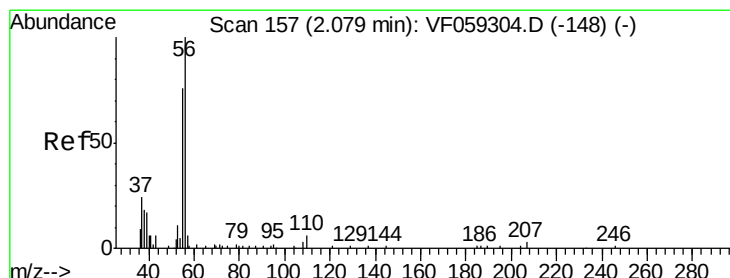
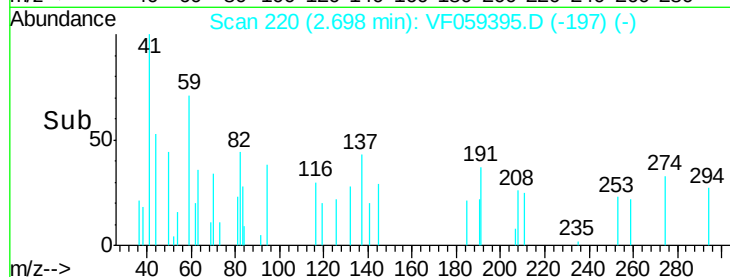
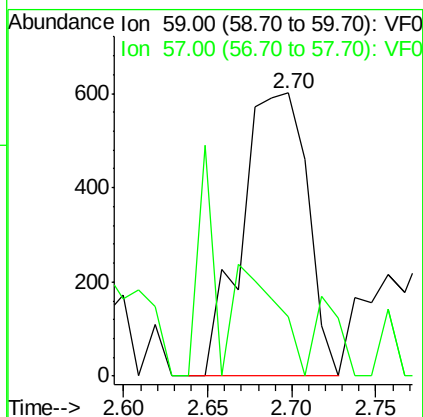
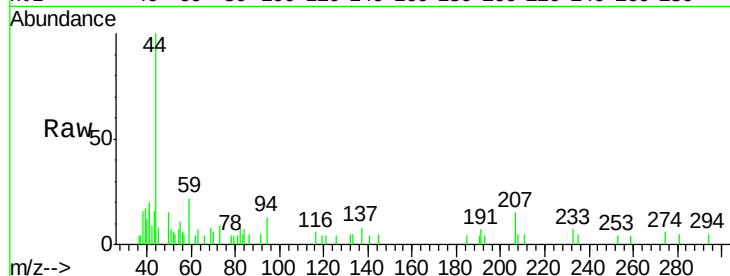


#11

Tert butyl alcohol
Concen: 11.06 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.03 min
Lab File: VF059395.D
Acq: 2 Jul 2018 19:00

Instrument :
MSVOA_F
ClientSampleId :
CF-1(15.0)RE

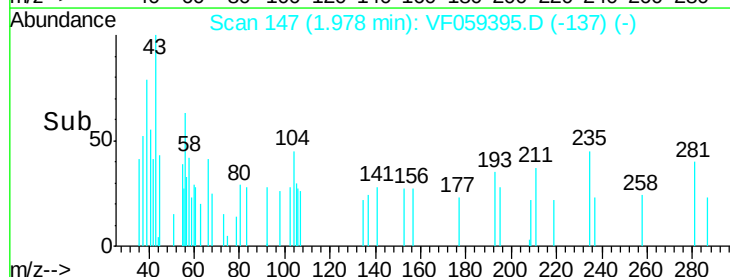
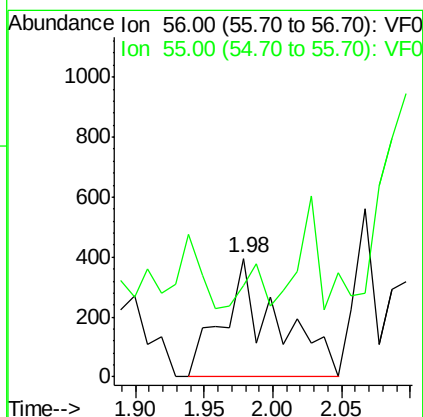
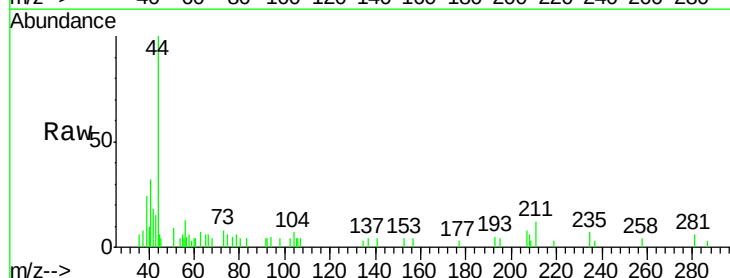
Tot Ion: 59 Resp: 1621
Ion Ratio Lower Upper
59 100
57 21.1 11.0 16.4#

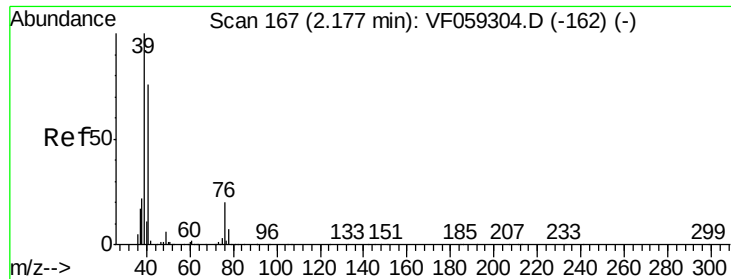


#13

Acrolein
Concen: Below Cal
RT: 1.98 min Scan# 147
Delta R.T. -0.10 min
Lab File: VF059395.D
Acq: 2 Jul 2018 19:00

Tgt Ion: 56 Resp: 1079
Ion Ratio Lower Upper
56 100
55 77.2 62.4 93.6

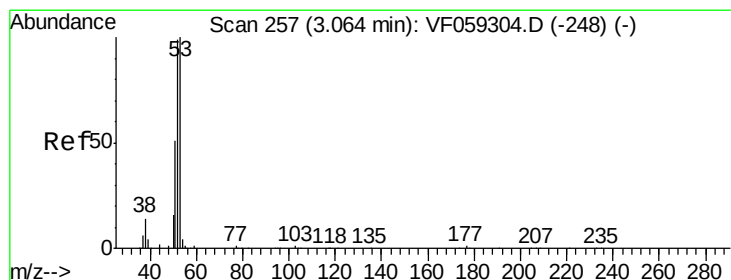
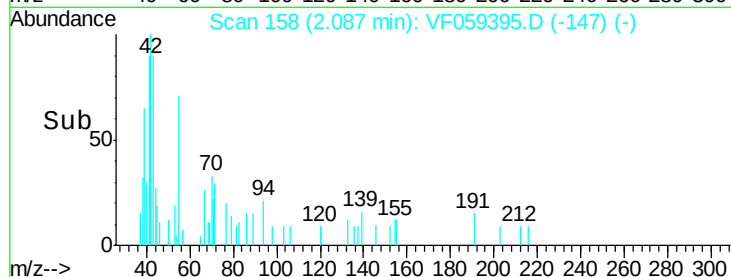
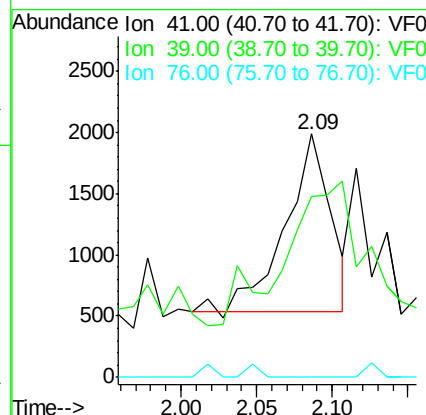
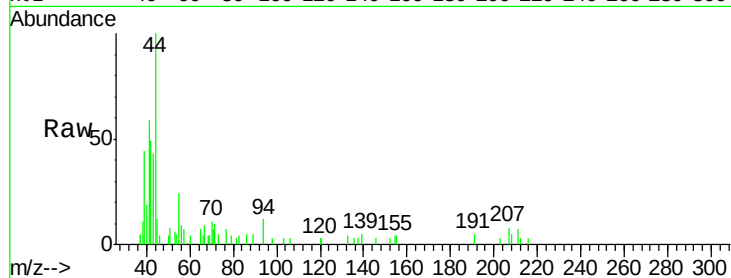




#14
Allvl chloride
Concen: 1.63 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.09 min
Lab File: VF059395.D
Acq: 2 Jul 2018 19:00

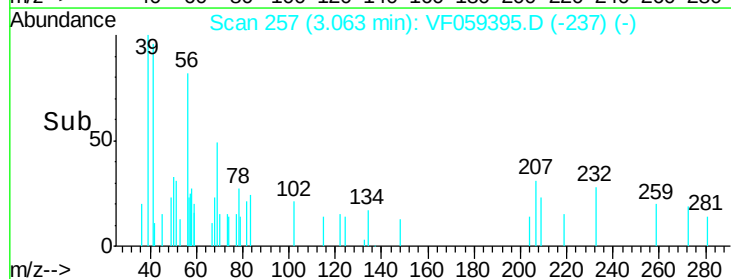
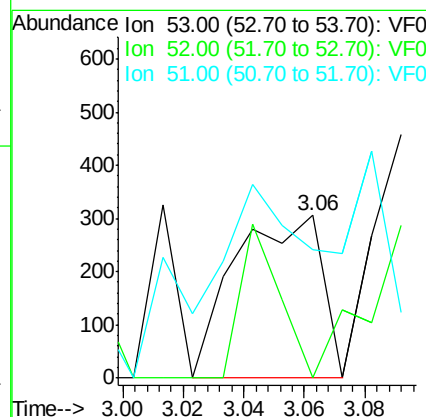
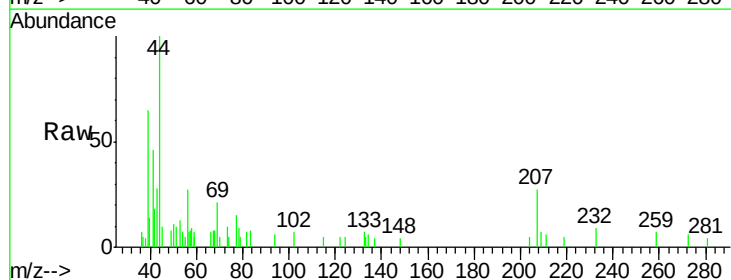
Instrument :
MSVOA_F
ClientSampleId :
CF-1(15.0)RE

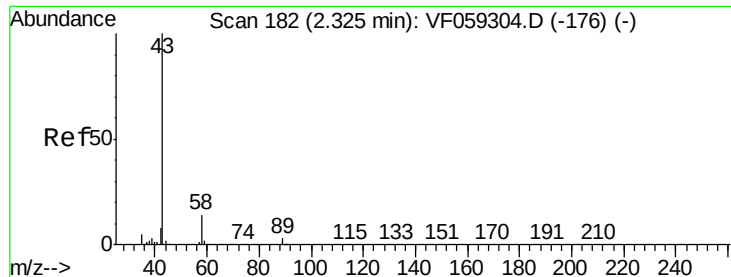
Tot Ion: 41 Resp: 3072
Ion Ratio Lower Upper
41 100
39 74.3 105.6 158.4#
76 0.0 21.6 32.4#



#15
Acrylonitrile
Concen: 2.36 ug/l
RT: 3.06 min Scan# 257
Delta R.T. -0.00 min
Lab File: VF059395.D
Acq: 2 Jul 2018 19:00

Tgt Ion: 53 Resp: 610
Ion Ratio Lower Upper
53 100
52 0.0 79.2 118.8#
51 78.8 40.9 61.3#





#16

Acetone

Concen: 54.86 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059395.D

Acq: 2 Jul 2018 19:00

Instrument :

MSVOA_F

ClientSampleId :

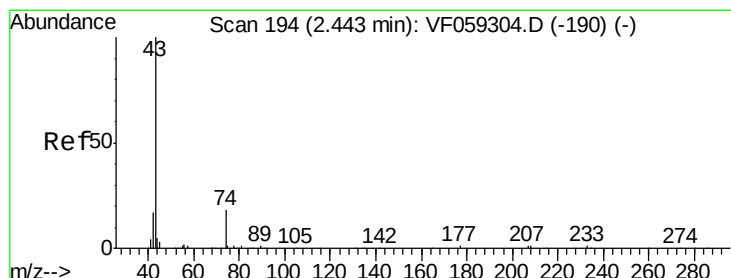
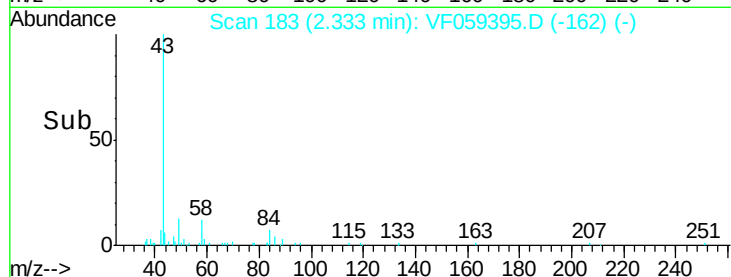
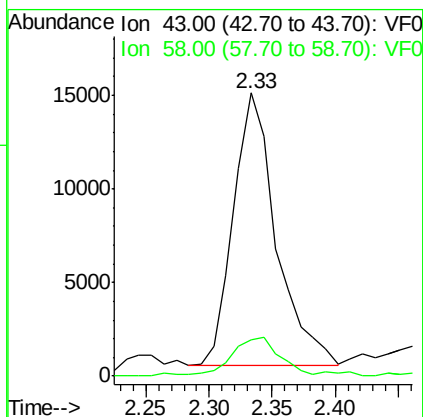
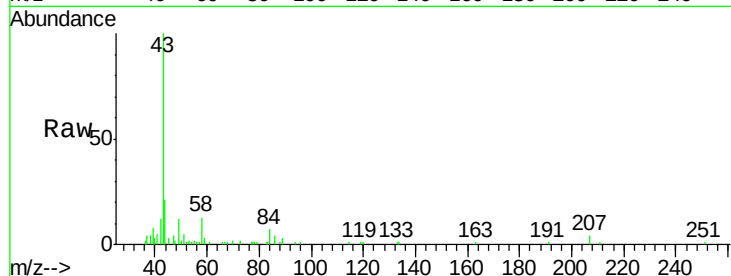
CF-1(15.0)RE

Tot Ion: 43 Resp: 34552

Ion Ratio Lower Upper

43 100

58 12.7 11.4 17.0



#18

Methyl Acetate

Concen: 2.25 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.03 min

Lab File: VF059395.D

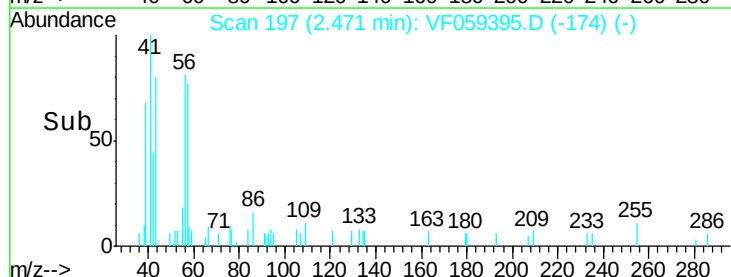
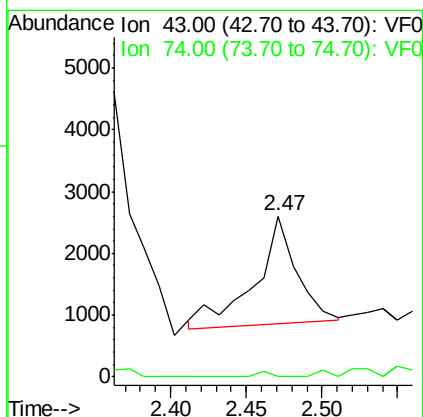
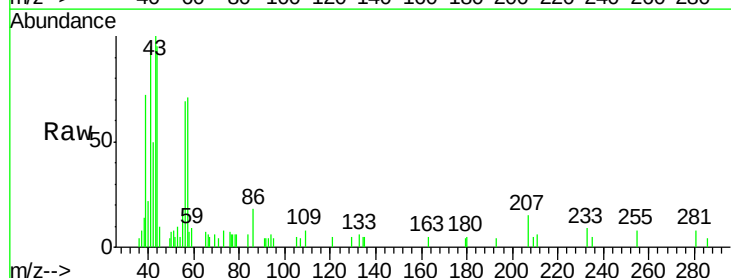
Acq: 2 Jul 2018 19:00

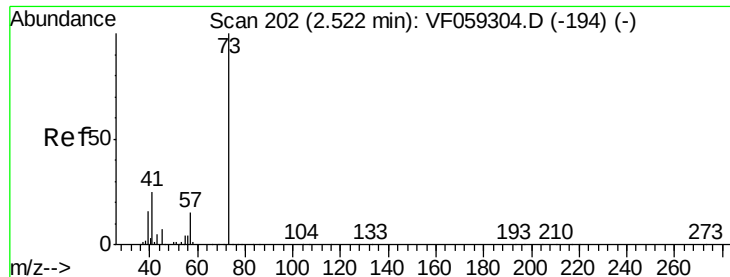
Tgt Ion: 43 Resp: 3340

Ion Ratio Lower Upper

43 100

74 0.0 13.3 19.9#





#19

Methyl tert-butyl Ether

Concen: 1.44 ug/l

RT: 2.54 min Scan# 204

Delta R.T. 0.02 min

Lab File: VF059395.D

Acq: 2 Jul 2018 19:00

Instrument :

MSVOA_F

ClientSampleId :

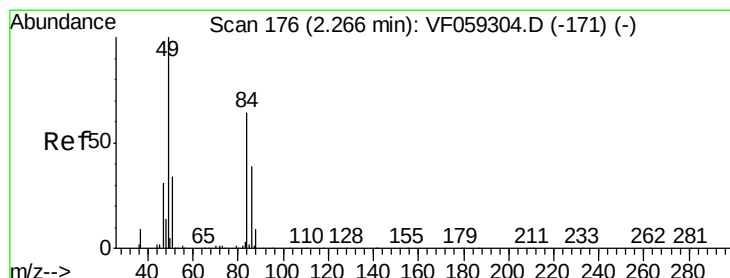
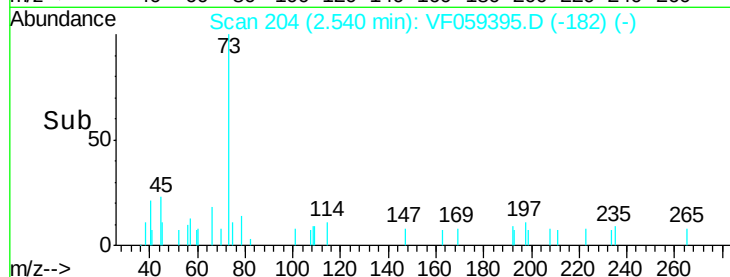
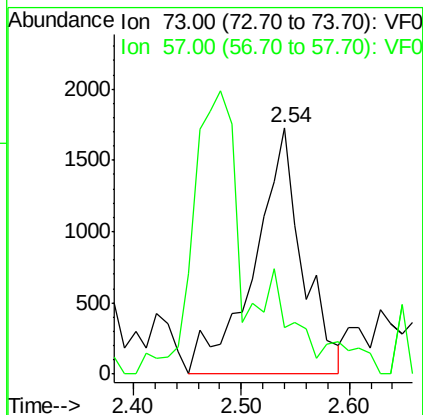
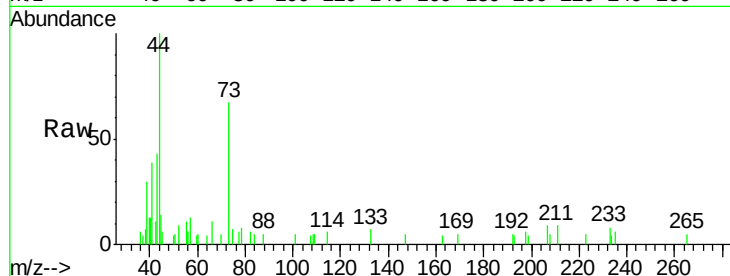
CF-1(15.0)RE

Tot Ion: 73 Resp: 5401

Ion Ratio Lower Upper

73 100

57 18.8 12.3 18.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.27 min Scan# 177

Delta R.T. 0.01 min

Lab File: VF059395.D

Acq: 2 Jul 2018 19:00

Tgt Ion: 84 Resp: 2492

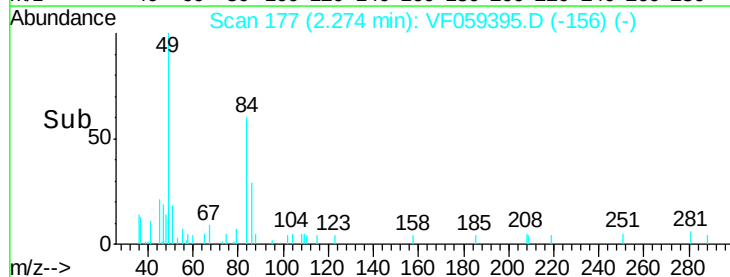
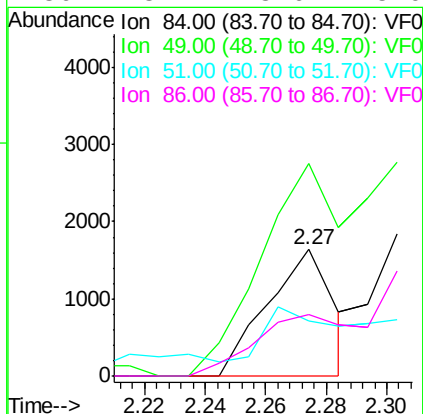
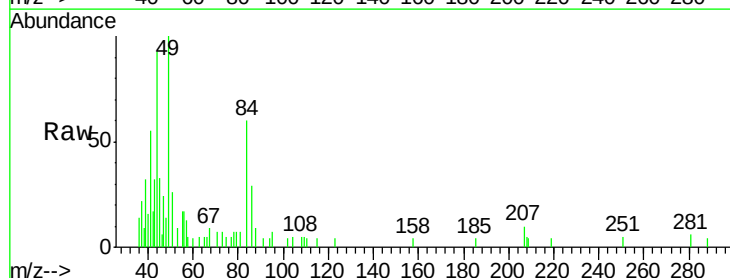
Ion Ratio Lower Upper

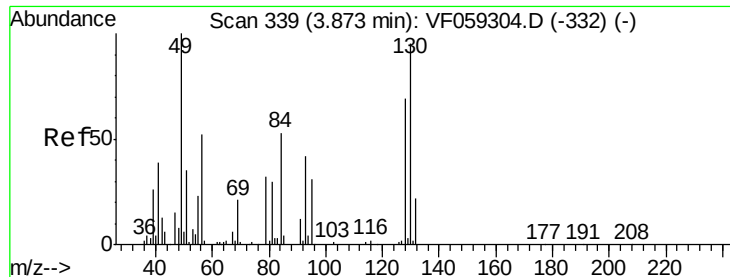
84 100

49 167.8 126.5 189.7

51 43.4 42.9 64.3

86 48.1 48.6 73.0#





#28

Bromochloromethane

Concen: Below Cal

RT: 3.75 min Scan# 327

Delta R.T. -0.12 min

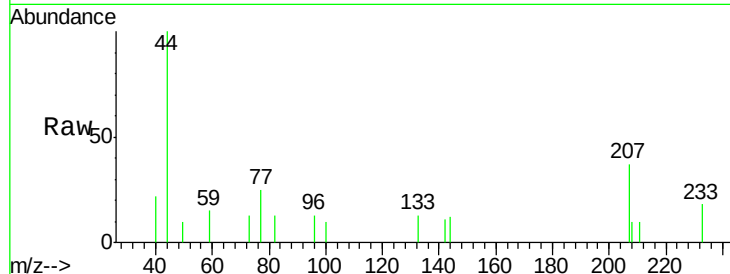
Lab File: VF059395.D

Acq: 2 Jul 2018 19:00

Instrument :
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CF-1(15.0)RE

Tot Ion: 49 Resp: 66

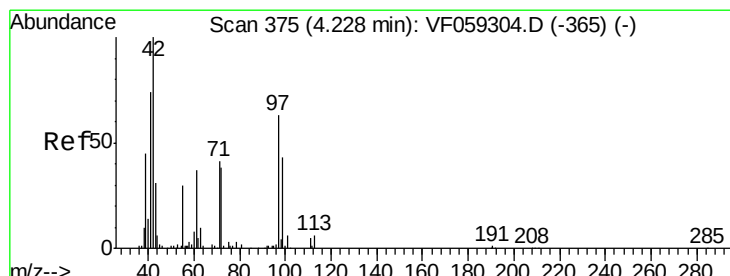
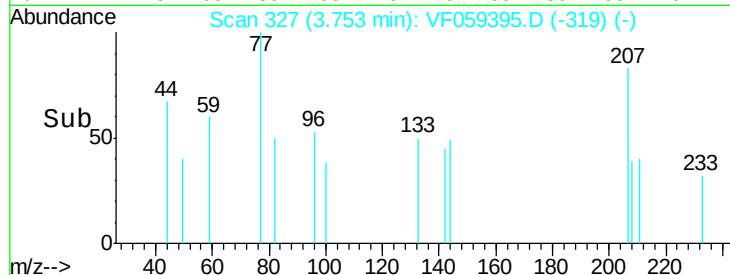
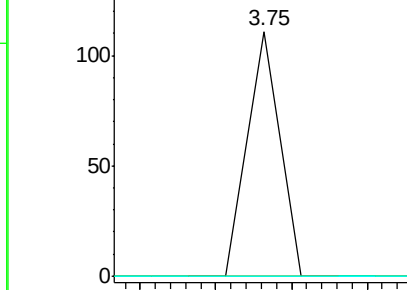
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	0.0	75.1	112.7#



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: 4.24 min Scan# 376

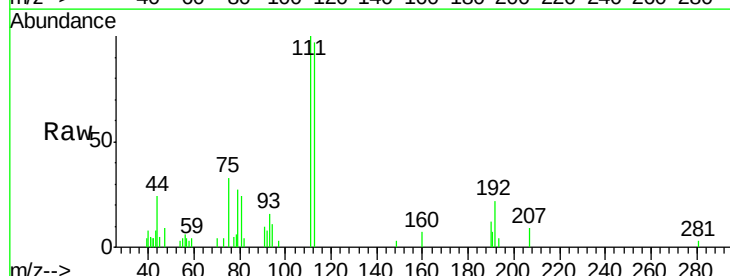
Delta R.T. 0.01 min

Lab File: VF059395.D

Acq: 2 Jul 2018 19:00

Tgt Ion: 42 Resp: 690

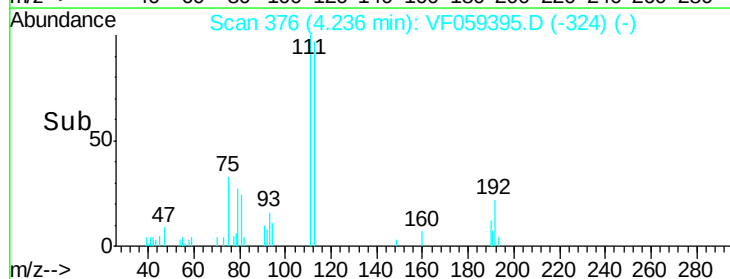
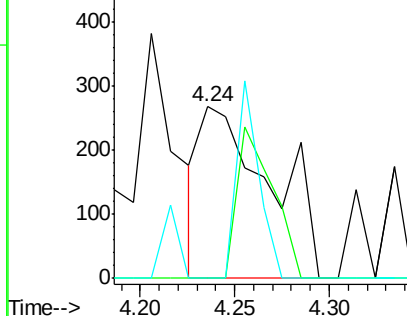
Ion	Ratio	Lower	Upper
42	100		
72	44.2	30.5	45.7
71	35.8	32.5	48.7

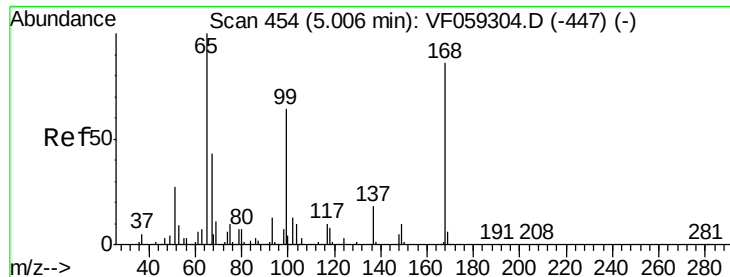


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

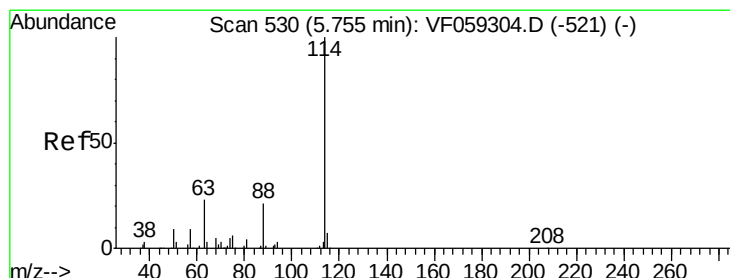
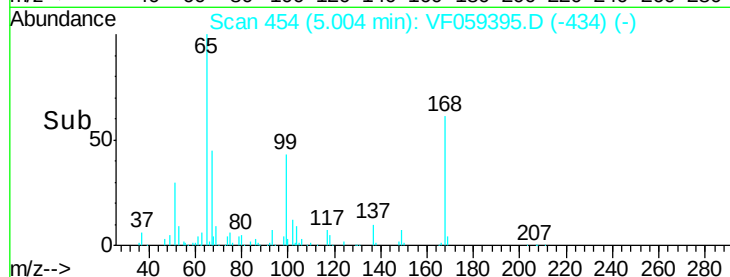
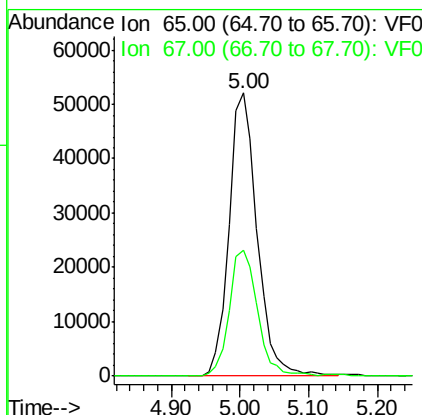
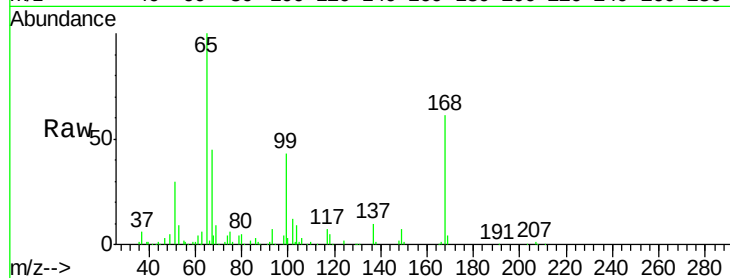




#33
 1,2-Dichloroethane-d4
 Concen: 66.80 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VF059395.D
 Acq: 2 Jul 2018 19:00

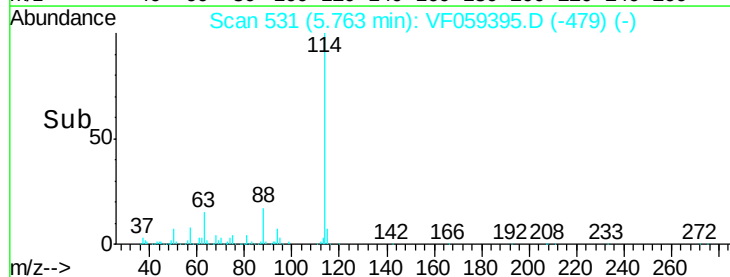
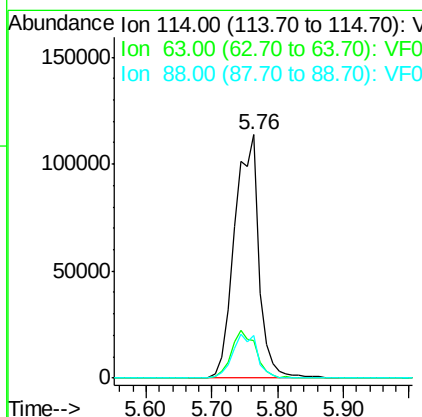
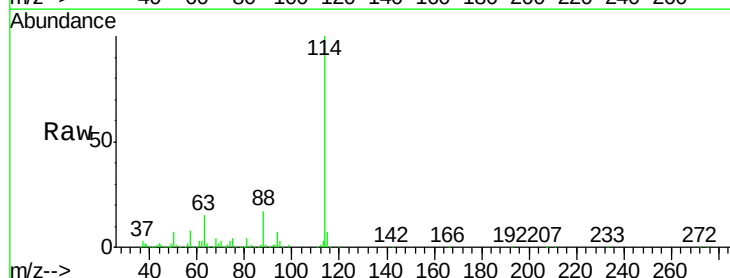
Instrument :
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 CF-1(15.0)RE

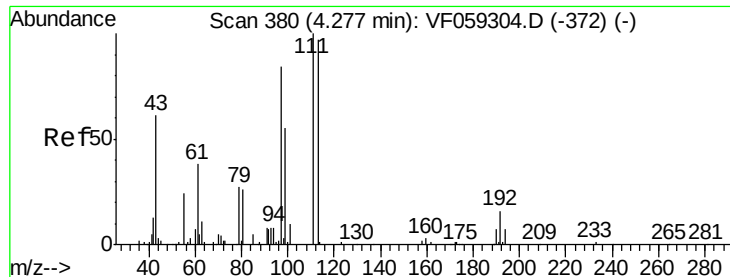
Tot Ion: 65 Resp: 147118
 Ion Ratio Lower Upper
 65 100
 67 44.7 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VF059395.D
 Acq: 2 Jul 2018 19:00

Tgt Ion: 114 Resp: 298056
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 45.8
 88 17.4 0.0 41.2

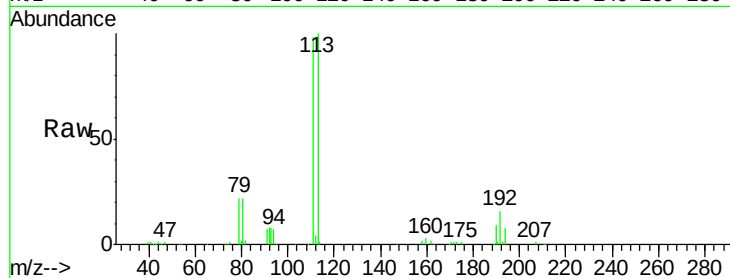




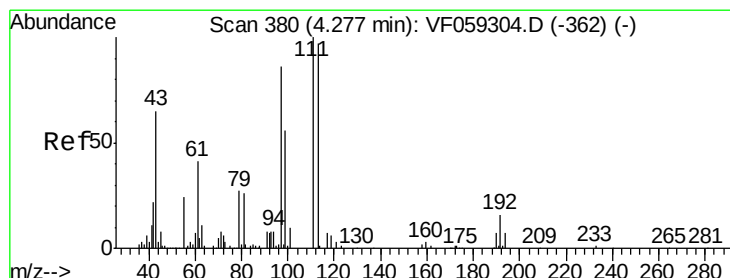
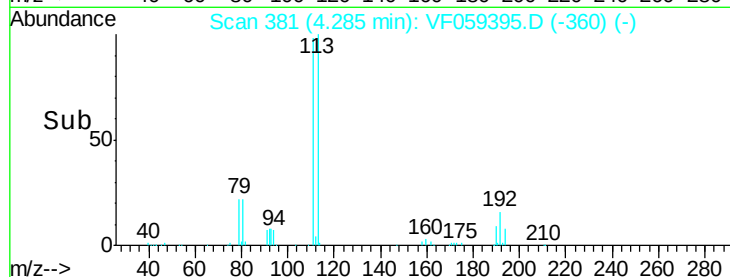
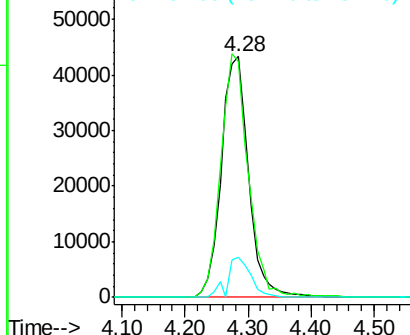
#35
Dibromofluoromethane
Concen: 59.79 ug/l
RT: 4.28 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059395.D
Acq: 2 Jul 2018 19:00

Instrument :
MSVOA_F
ClientSampleId :
CF-1(15.0)RE

Tot Ion:113 Resp: 130212
Ion Ratio Lower Upper
113 100
111 98.0 82.1 123.1
192 16.9 13.0 19.6

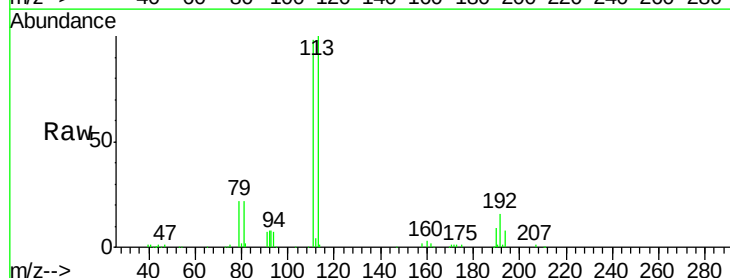


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

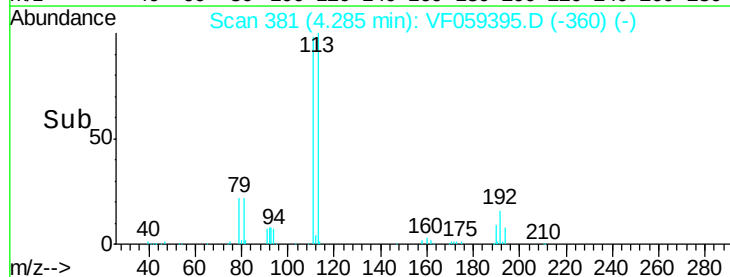
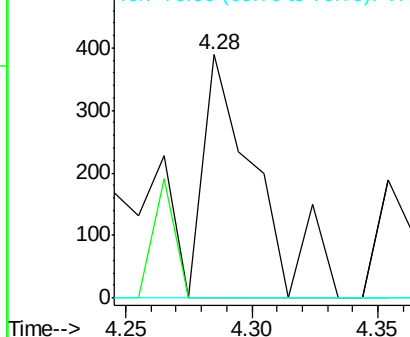


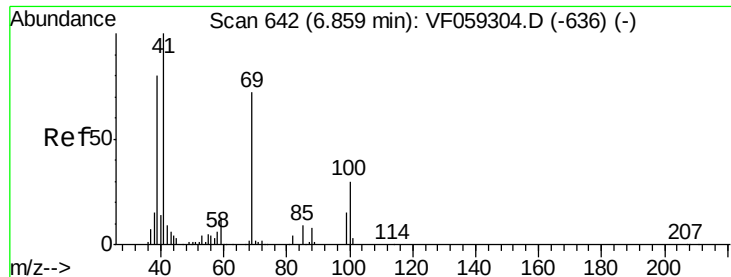
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059395.D
Acq: 2 Jul 2018 19:00

Tgt Ion: 43 Resp: 575
Ion Ratio Lower Upper
43 100
61 0.0 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

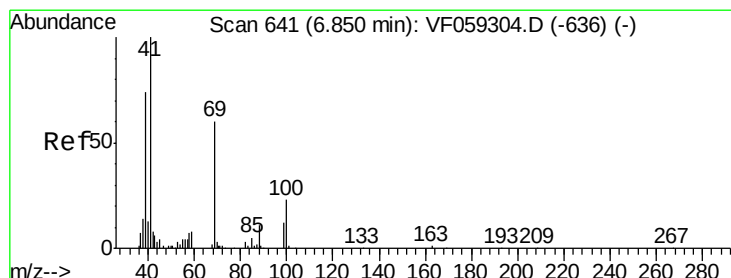
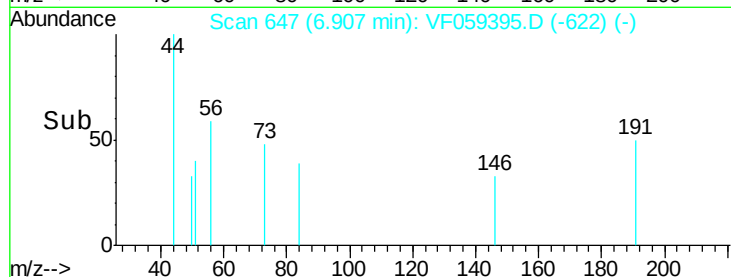
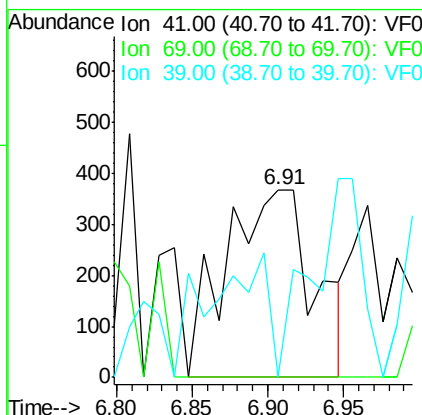
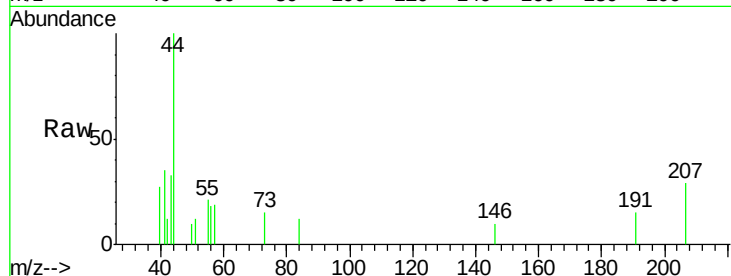




#48
Methyl methacrylate
Concen: 1.03 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.05 min
Lab File: VF059395.D
Acq: 2 Jul 2018 19:00

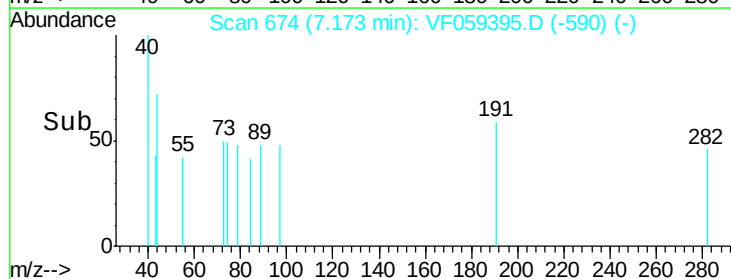
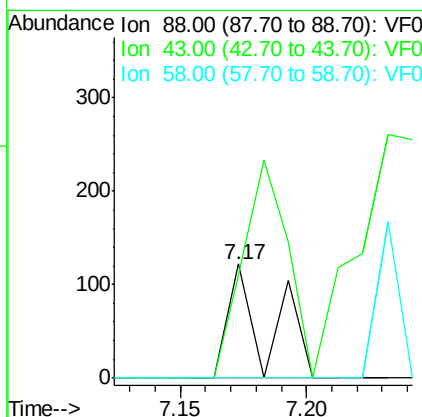
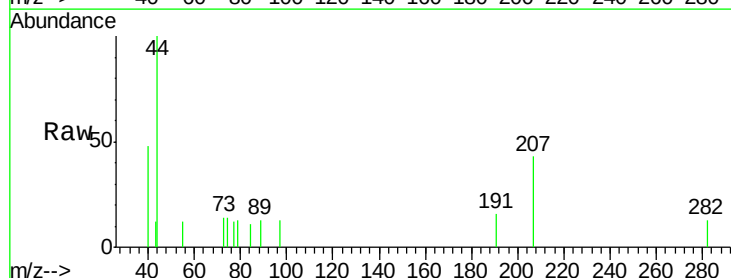
Instrument :
MSVOA_F
ClientSampled :
CF-1(15.0)RE

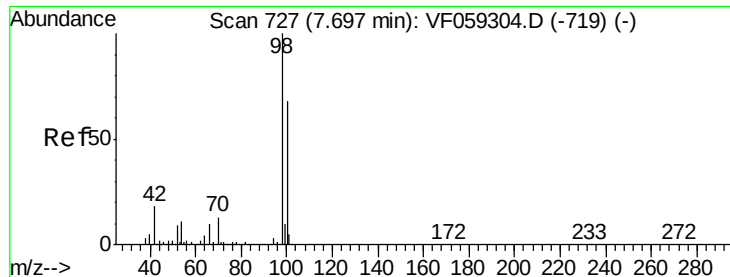
Tot Ion: 41 Resp: 1492
Ion Ratio Lower Upper
41 100
69 0.0 57.3 85.9#
39 0.0 64.4 96.6#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.17 min Scan# 674
Delta R.T. 0.32 min
Lab File: VF059395.D
Acq: 2 Jul 2018 19:00

Tgt Ion: 88 Resp: 134
Ion Ratio Lower Upper
88 100
43 90.2 50.6 75.8#
58 0.0 46.6 69.8#

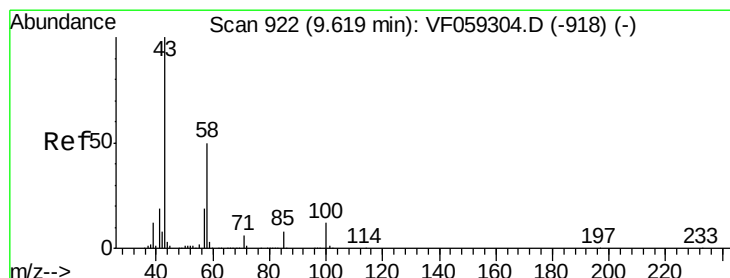
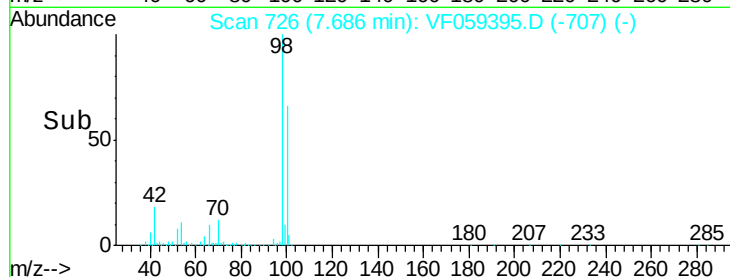
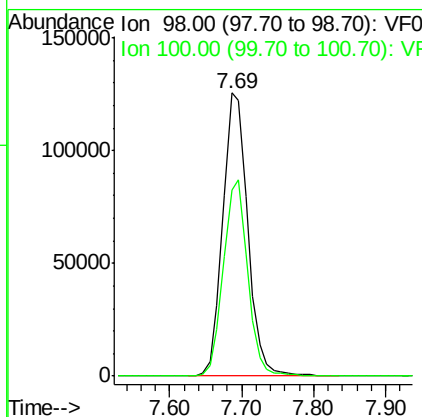
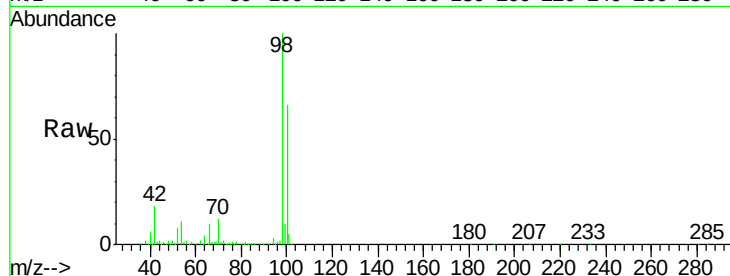




#50
Toluene-d8
Concen: 56.02 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF059395.D
Acq: 2 Jul 2018 19:00

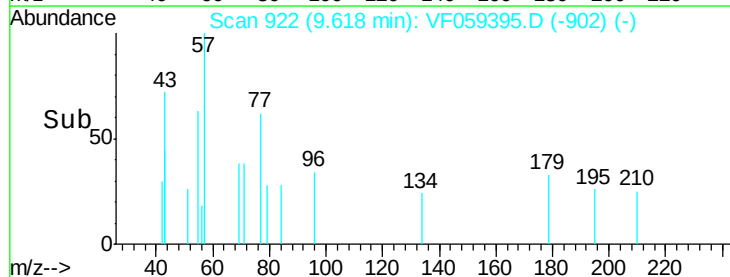
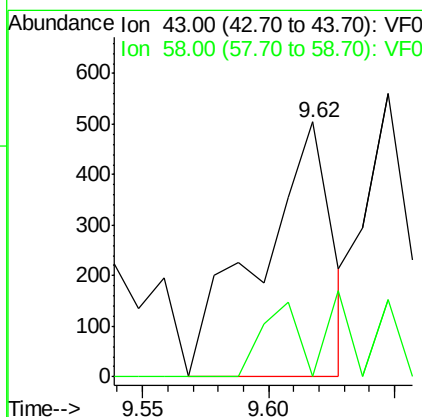
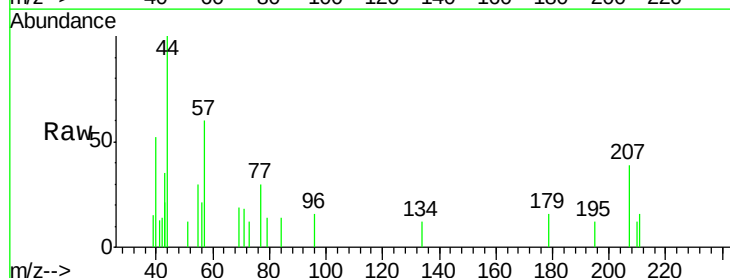
Instrument :
MSVOA_F
ClientSampleId :
CF-1(15.0)RE

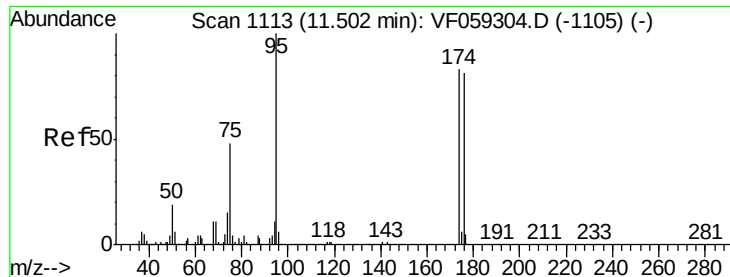
Tot Ion: 98 Resp: 302061
Ion Ratio Lower Upper
98 100
100 65.6 54.6 82.0



#59
2-Hexanone
Concen: Below Cal
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059395.D
Acq: 2 Jul 2018 19:00

Tgt Ion: 43 Resp: 996
Ion Ratio Lower Upper
43 100
58 0.0 23.3 69.9#





#62

4-Bromofluorobenzene

Concen: 56.77 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059395.D

Acq: 2 Jul 2018 19:00

Instrument :

MSVOA_F

ClientSampleId :

CF-1(15.0)RE

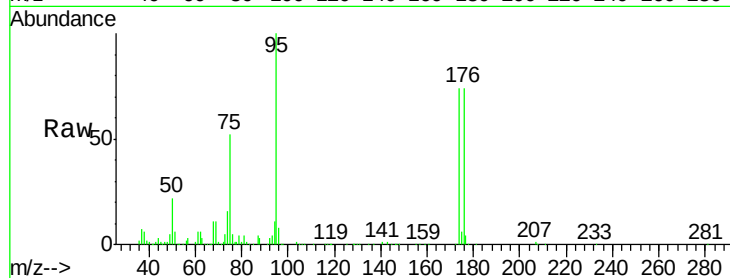
Tot Ion: 95 Resp: 172682

Ion Ratio Lower Upper

95 100

174 74.2 0.0 165.2

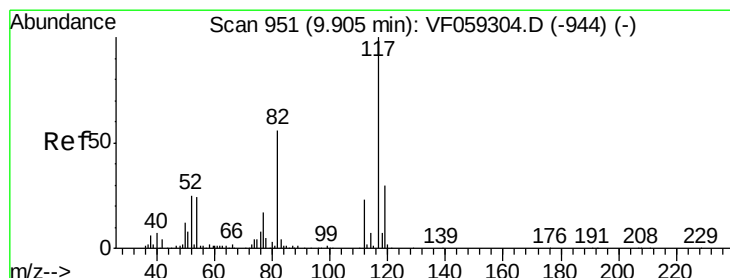
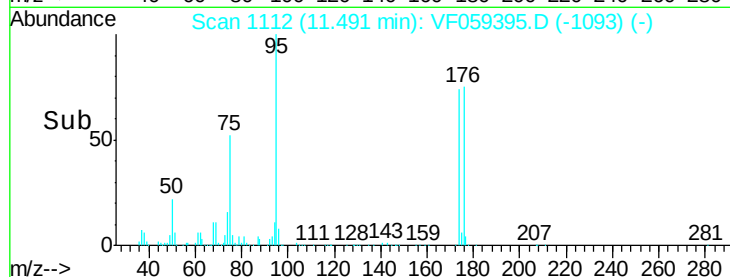
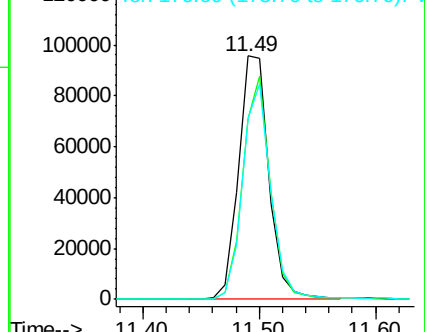
176 74.5 0.0 161.0



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: 9.89 min Scan# 950

Delta R.T. -0.01 min

Lab File: VF059395.D

Acq: 2 Jul 2018 19:00

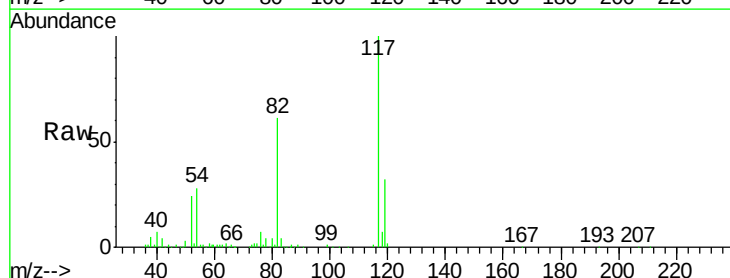
Tgt Ion: 117 Resp: 268789

Ion Ratio Lower Upper

117 100

82 60.5 44.6 66.8

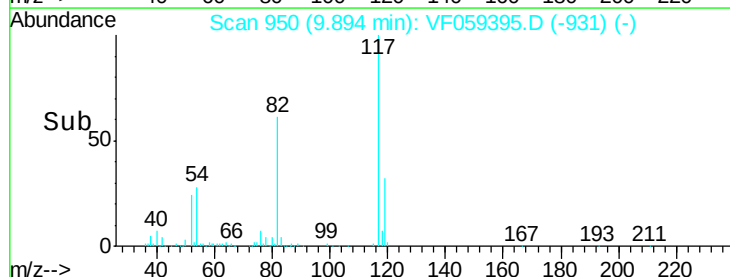
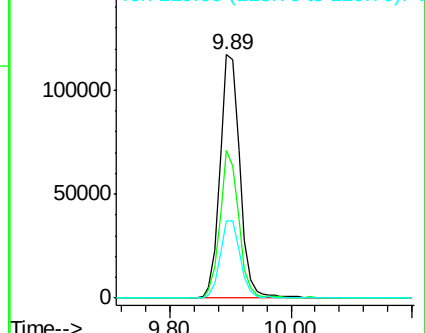
119 31.9 24.1 36.1

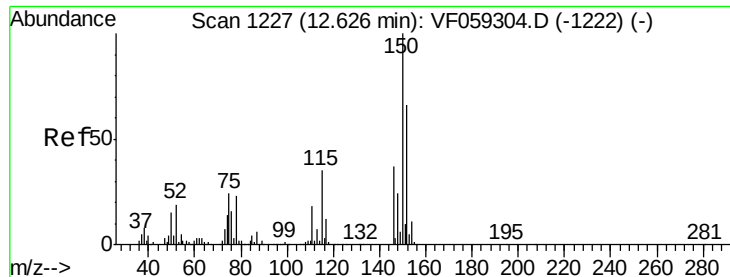


Abundance Ion 117.00 (116.70 to 117.70): V

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: VF059395.D

Acq: 2 Jul 2018 19:00

Instrument :

MSVOA_F

ClientSampleId :

CF-1(15.0)RE

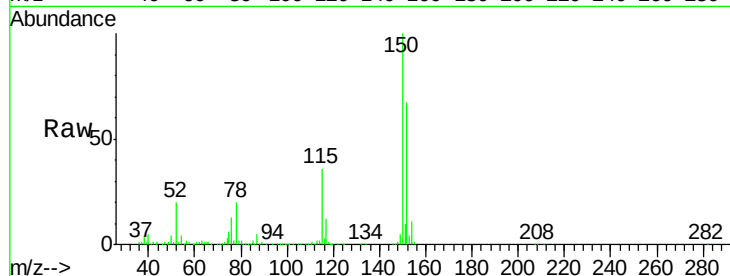
Tot Ion:152 Resp: 181269

Ion Ratio Lower Upper

152 100

115 53.4 27.1 81.3

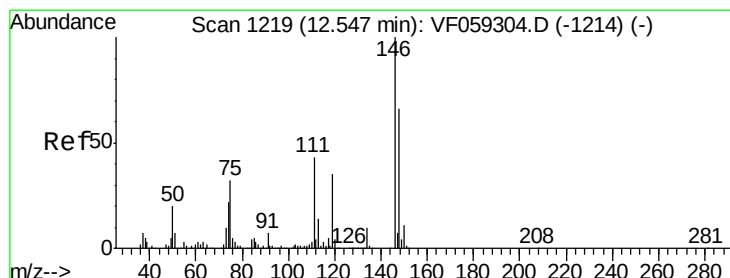
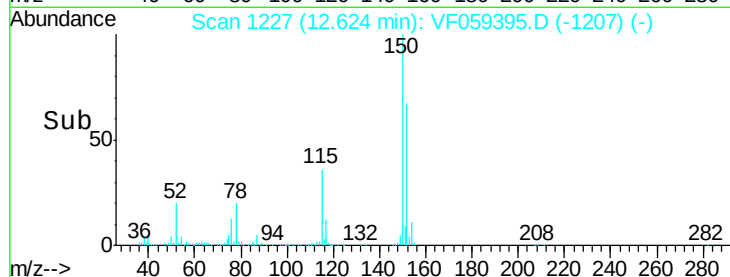
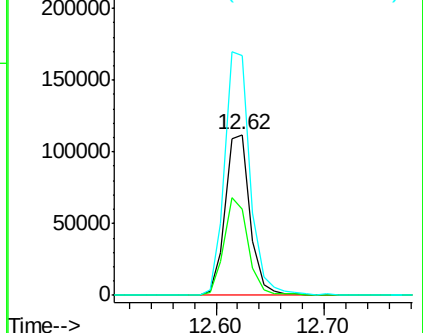
150 149.6 0.0 305.2



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: 12.55 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VF059395.D

Acq: 2 Jul 2018 19:00

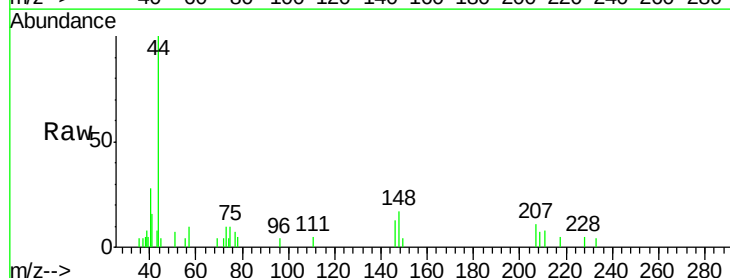
Tgt Ion:146 Resp: 660

Ion Ratio Lower Upper

146 100

111 37.2 21.4 64.2

148 127.8 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

