

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070218\
 Data File : VF059398.D
 Acq On : 2 Jul 2018 20:23
 Operator : VA/AP
 Sample : J3802-04RE
 Misc : 5.67g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CF-4(3.0)RE

Quant Time: Jul 03 01:11:19 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	5.02	168	201396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	295563	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	238416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	146020	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	154521	59.39	ug/l	0.00
Spiked Amount 50.000			Recovery =	118.78%		
35) Dibromofluoromethane	4.27	113	144049	66.70	ug/l	0.00
Spiked Amount 50.000			Recovery =	133.40%		
50) Toluene-d8	7.69	98	114265	21.37	ug/l	0.00
Spiked Amount 50.000			Recovery =	42.74%		
62) 4-Bromofluorobenzene	11.50	95	154786	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.64%		

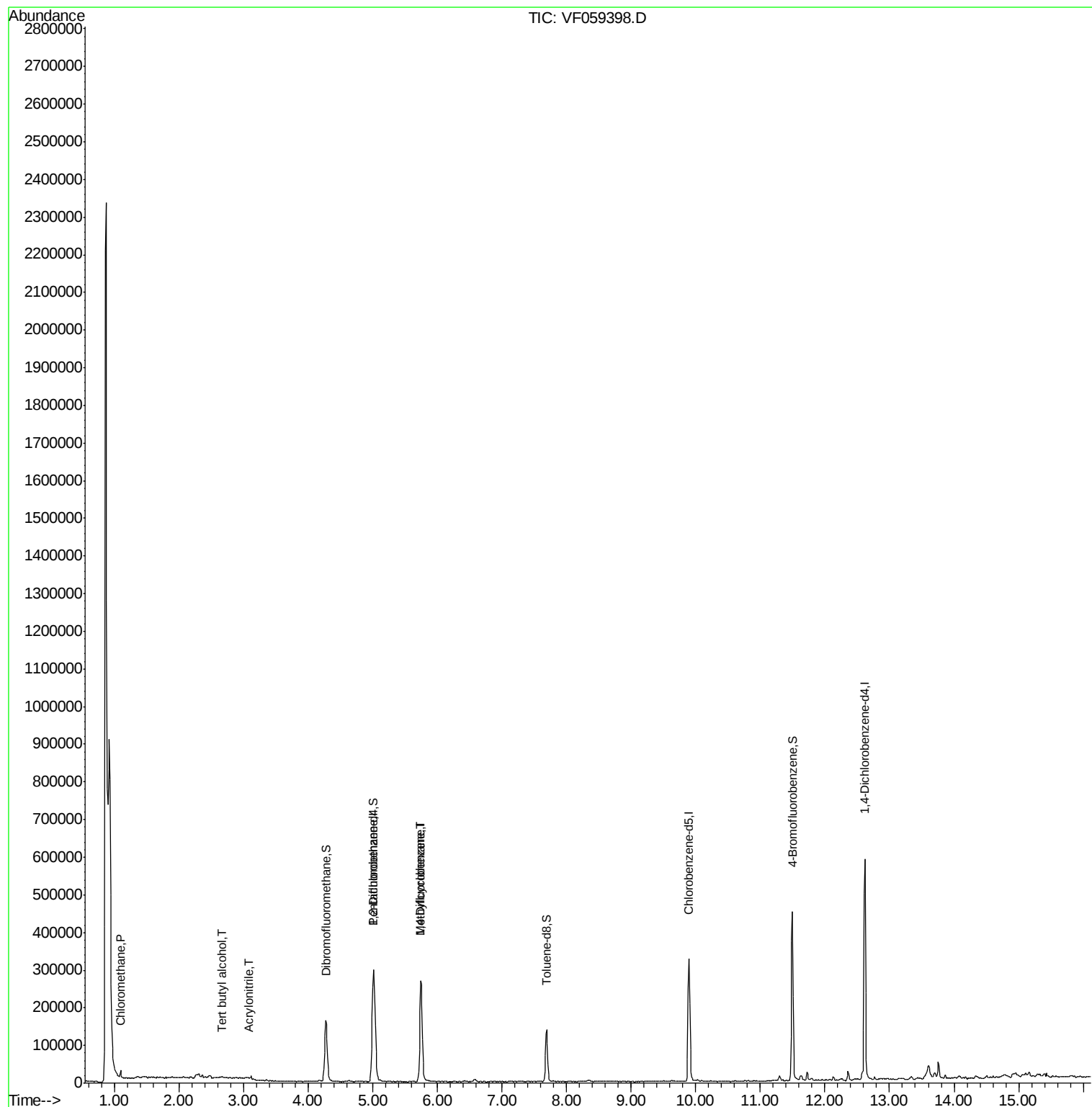
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	1397	1.13	ug/l	# 77
5) Bromomethane	1.32	94	678	Below	Cal	# 4
11) Tert butyl alcohol	2.67	59	722	4.17	ug/l	# 25
13) Acrolein	2.01	56	142	Below	Cal	# 90
15) Acrylonitrile	3.07	53	633	2.08	ug/l	# 10
16) Acetone	2.33	43	2267	Below	Cal	# 82
20) Methylene Chloride	2.27	84	3193	Below	Cal	# 79
25) 2-Butanone	4.50	43	134	Below	Cal	# 59
29) Tetrahydrofuran	4.26	42	748	Below	Cal	# 75
37) Ethyl Acetate	4.26	43	363	Below	Cal	# 80
39) Methylcyclohexane	5.74	83	3480	1.52	ug/l	# 36
49) 1,4-Dioxane	6.86	88	63	Below	Cal	# 35
59) 2-Hexanone	9.59	43	1880	Below	Cal	# 30
87) 1,3-Dichlorobenzene	12.54	146	261	Below	Cal	# 35

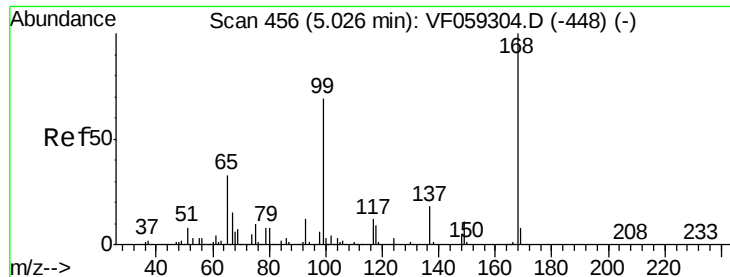
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 455

Delta R.T. -0.01 min

Lab File: VF059398.D

Acq: 2 Jul 2018 20:23

Instrument :

MSVOA_F

ClientSampleId :

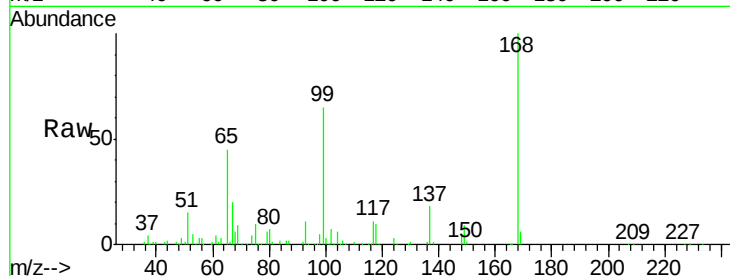
CF-4(3.0)RE

Tot Ion:168 Resp: 201396

Ion Ratio Lower Upper

168 100

99 64.9 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

80000

60000

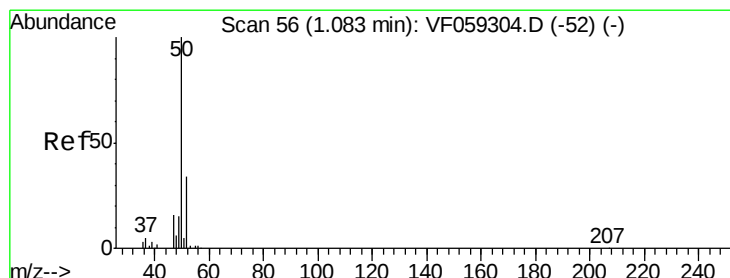
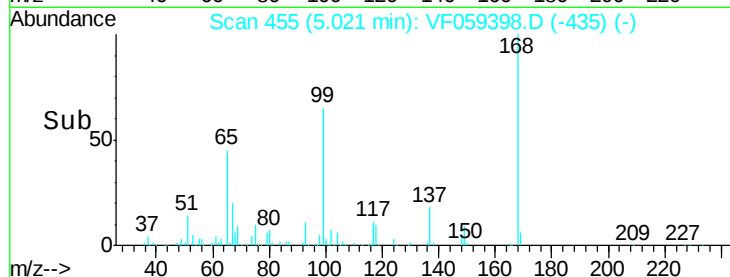
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: 1.13 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059398.D

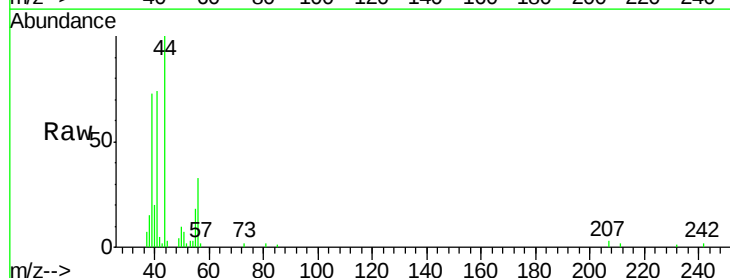
Acq: 2 Jul 2018 20:23

Tgt Ion: 50 Resp: 1397

Ion Ratio Lower Upper

50 100

52 20.5 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

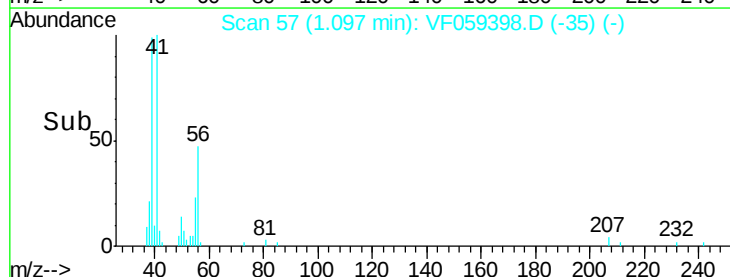
400

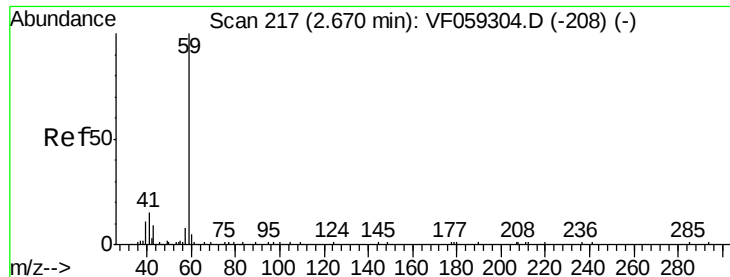
200

0

Time-->

1.05 1.10 1.15



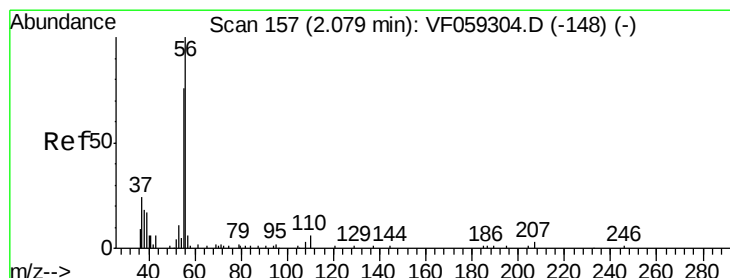
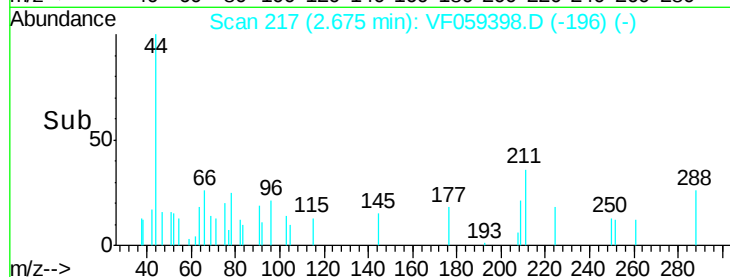
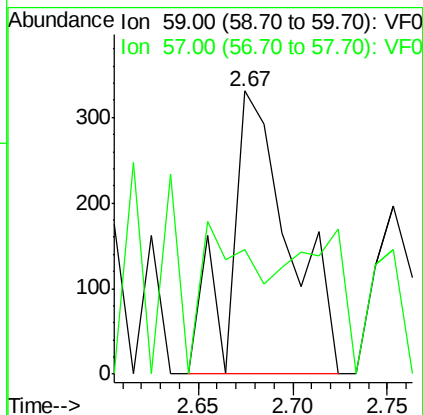
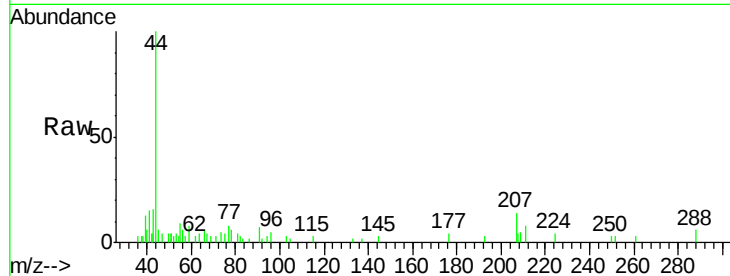


#11

Tert butyl alcohol
Concen: 4.17 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.00 min
Lab File: VF059398.D
Acq: 2 Jul 2018 20:23

Instrument :
MSVOA_F
ClientSampled :
CF-4(3.0)RE

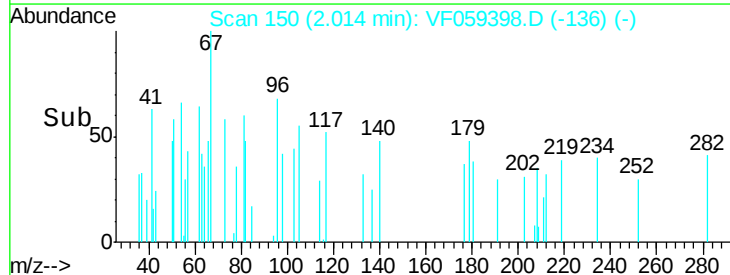
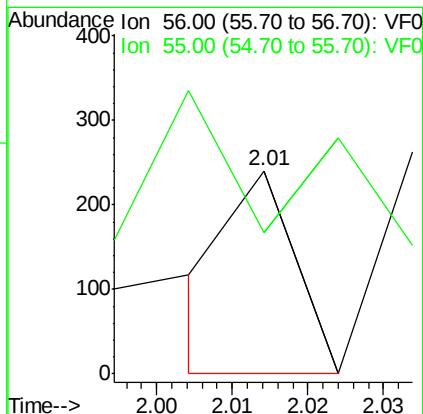
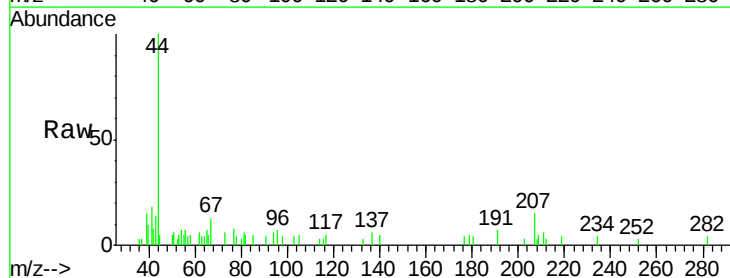
Tot Ion: 59 Resp: 722
Ion Ratio Lower Upper
59 100
57 43.8 11.0 16.4#

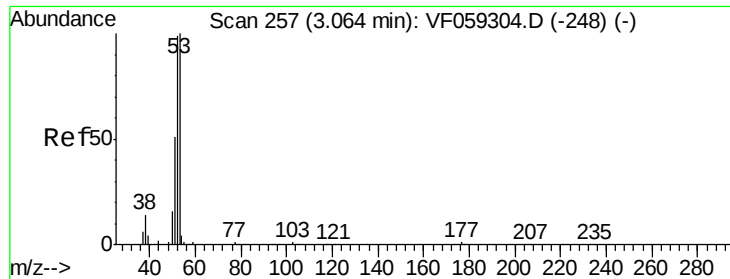


#13

Acrolein
Concen: Below Cal
RT: 2.01 min Scan# 150
Delta R.T. -0.06 min
Lab File: VF059398.D
Acq: 2 Jul 2018 20:23

Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 69.6 62.4 93.6





#15

Acrylonitrile

Concen: 2.08 ug/l

RT: 3.07 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059398.D

Acq: 2 Jul 2018 20:23

Instrument :

MSVOA_F

ClientSampleId :

CF-4(3.0)RE

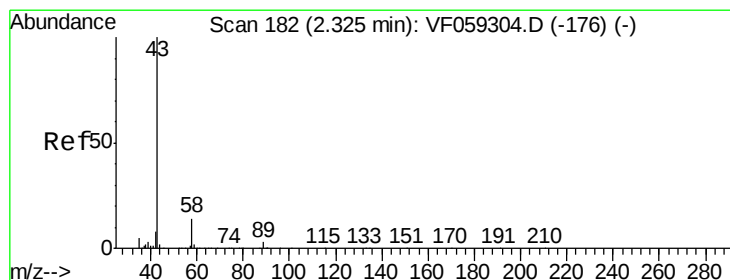
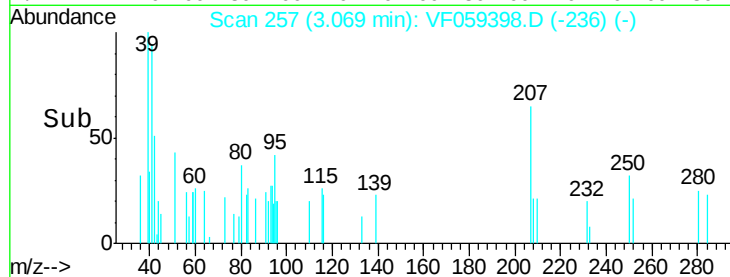
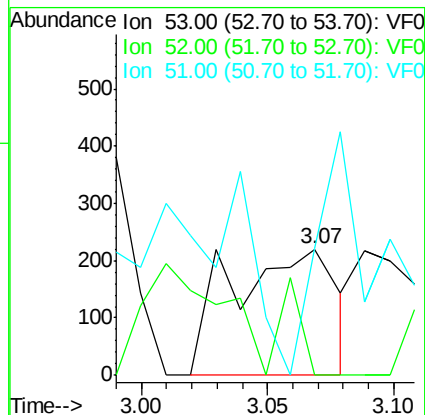
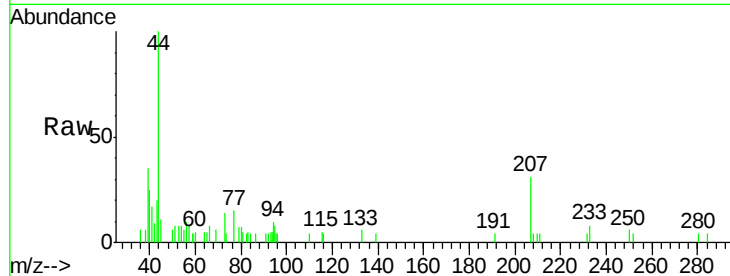
Tot Ion: 53 Resp: 633

Ion Ratio Lower Upper

53 100

52 0.0 79.2 118.8#

51 100.9 40.9 61.3#



#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 182

Delta R.T. 0.00 min

Lab File: VF059398.D

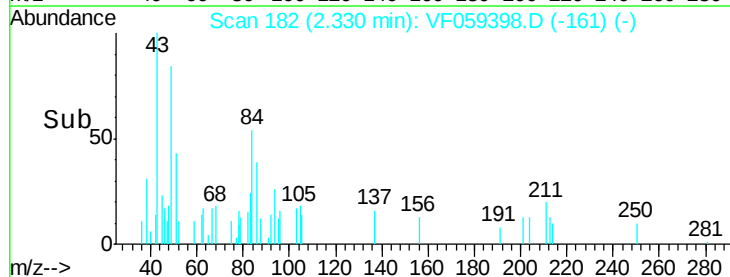
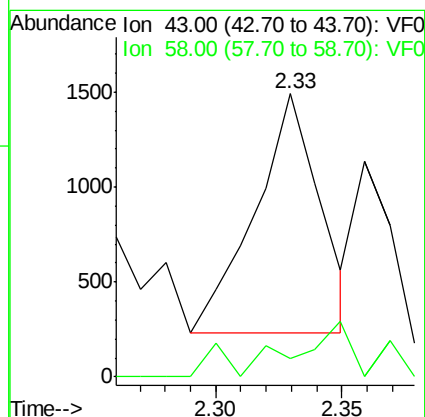
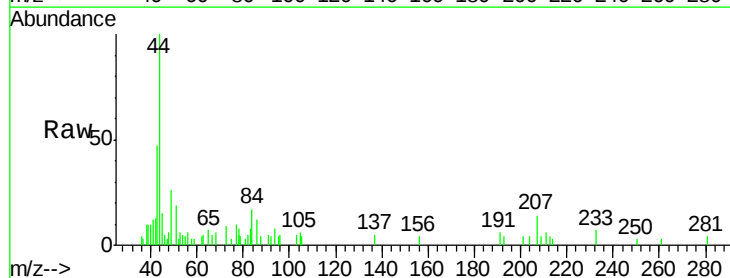
Acq: 2 Jul 2018 20:23

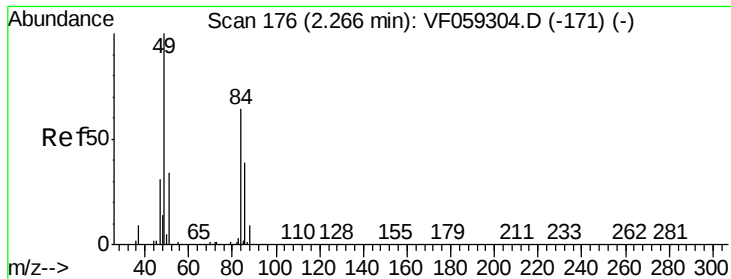
Tgt Ion: 43 Resp: 2267

Ion Ratio Lower Upper

43 100

58 6.7 11.4 17.0#

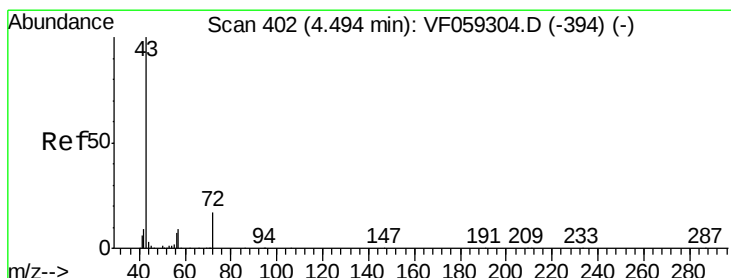
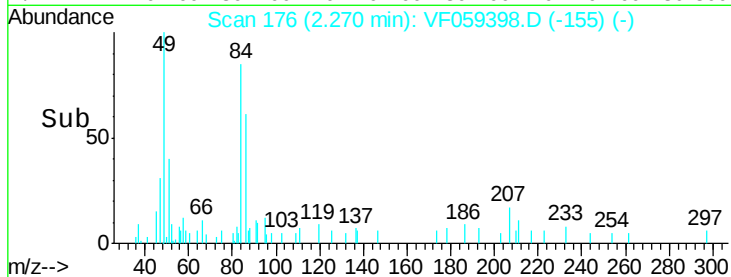
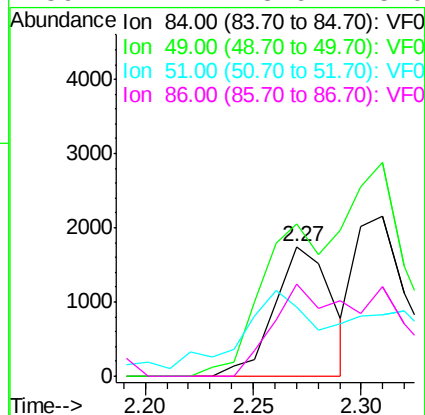
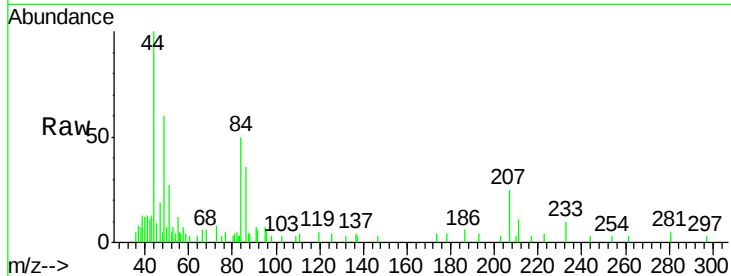




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF059398.D
Acq: 2 Jul 2018 20:23

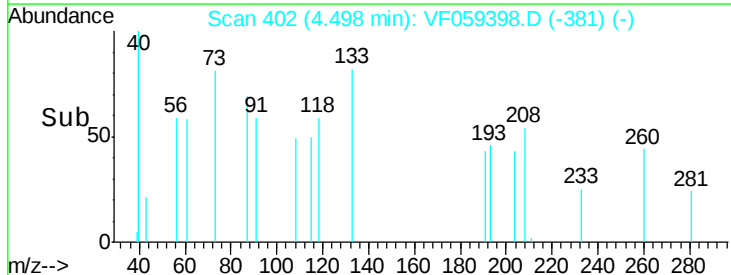
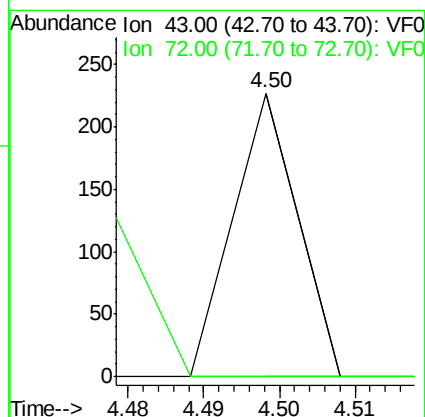
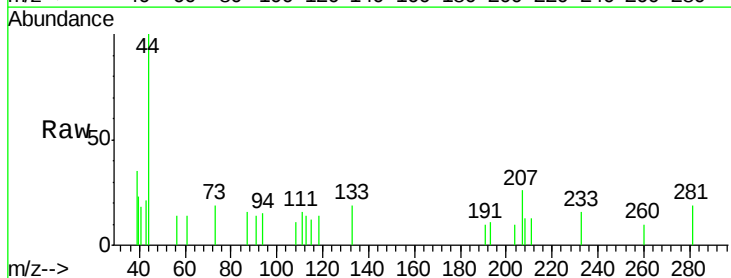
Instrument :
MSVOA_F
ClientSampleId :
CF-4(3.0)RE

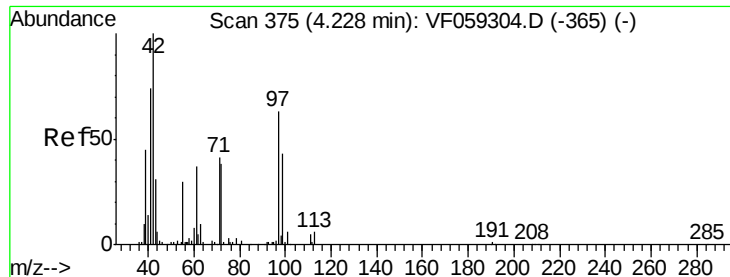
Tot Ion: 84 Resp: 3193
Ion Ratio Lower Upper
84 100
49 118.1 126.5 189.7#
51 53.0 42.9 64.3
86 71.4 48.6 73.0



#25
2-Butanone
Concen: Below Cal
RT: 4.50 min Scan# 402
Delta R.T. 0.01 min
Lab File: VF059398.D
Acq: 2 Jul 2018 20:23

Tgt Ion: 43 Resp: 134
Ion Ratio Lower Upper
43 100
72 0.0 14.4 21.6#

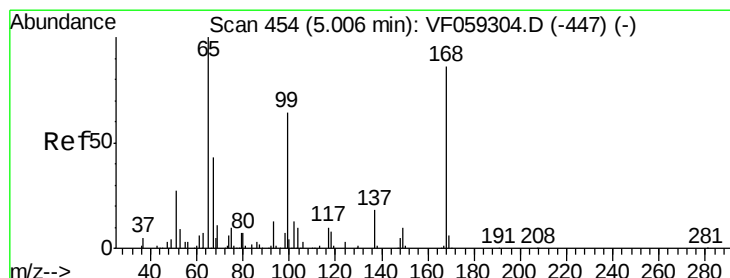
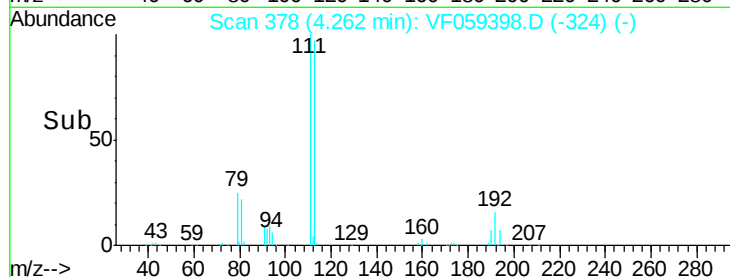
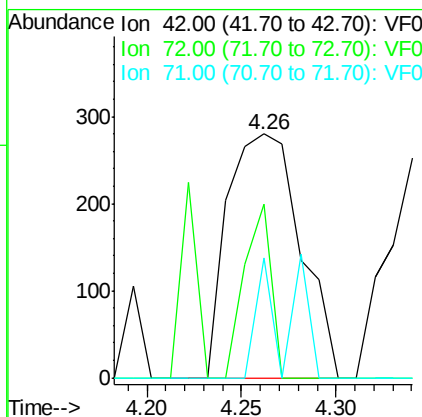
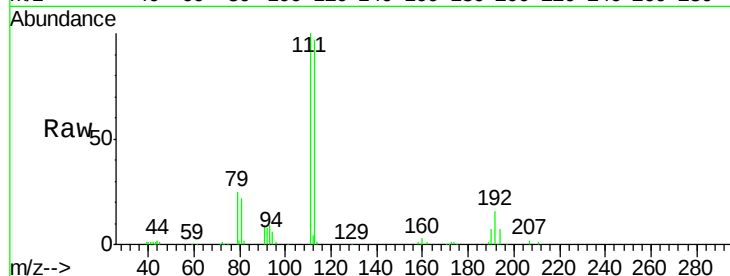




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.26 min Scan# 378
Delta R.T. 0.03 min
Lab File: VF059398.D
Acq: 2 Jul 2018 20:23

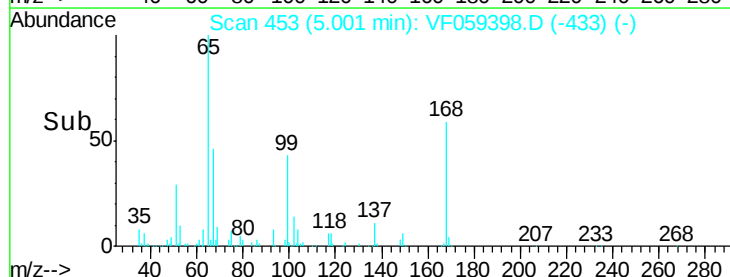
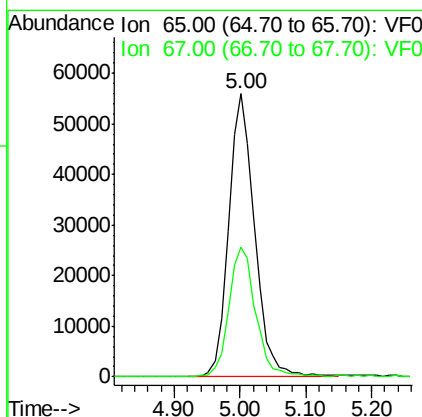
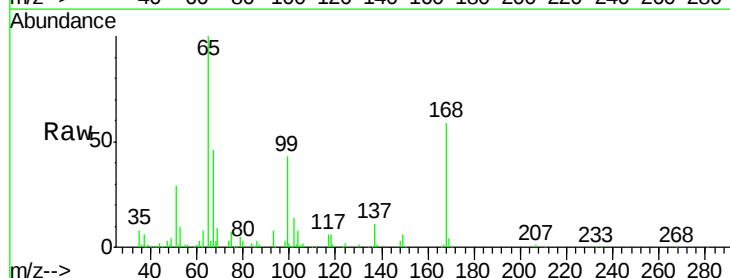
Instrument :
MSVOA_F
ClientSampleId :
CF-4(3.0)RE

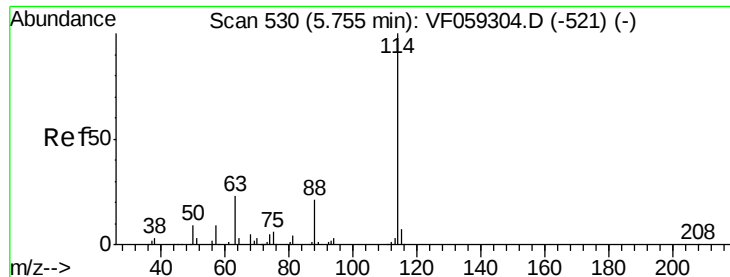
Tot Ion: 42 Resp: 748
Ion Ratio Lower Upper
42 100
72 26.2 30.5 45.7#
71 22.1 32.5 48.7#



#33
1,2-Dichloroethane-d4
Concen: 59.39 ug/l
RT: 5.00 min Scan# 453
Delta R.T. -0.01 min
Lab File: VF059398.D
Acq: 2 Jul 2018 20:23

Tgt Ion: 65 Resp: 154521
Ion Ratio Lower Upper
65 100
67 45.9 0.0 96.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059398.D

Acq: 2 Jul 2018 20:23

Instrument :

MSVOA_F

ClientSampleId :

CF-4(3.0)RE

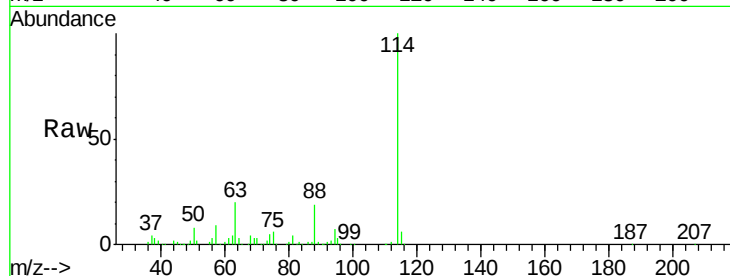
Tot Ion:114 Resp: 295563

Ion Ratio Lower Upper

114 100

63 19.6 0.0 45.8

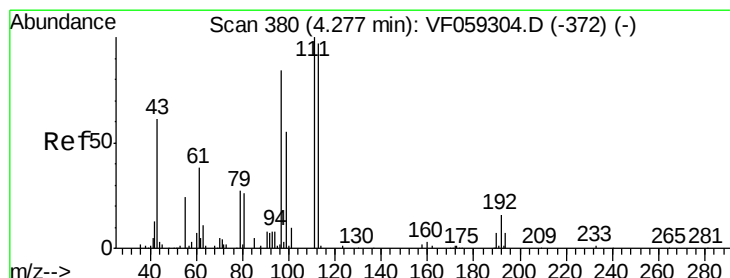
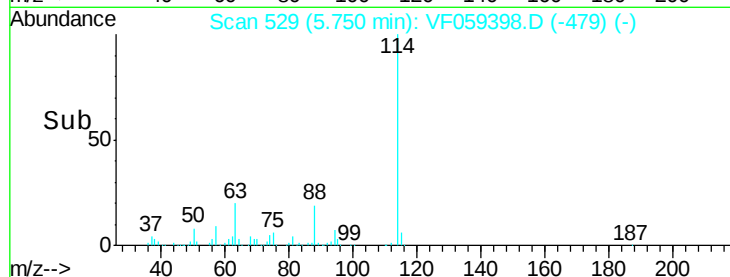
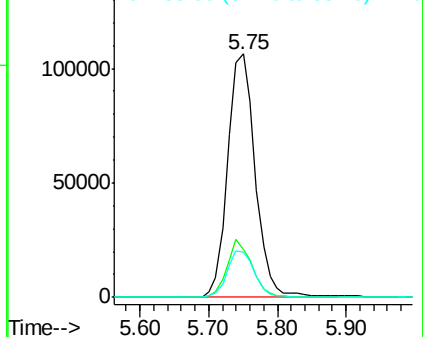
88 18.5 0.0 41.2



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: 66.70 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059398.D

Acq: 2 Jul 2018 20:23

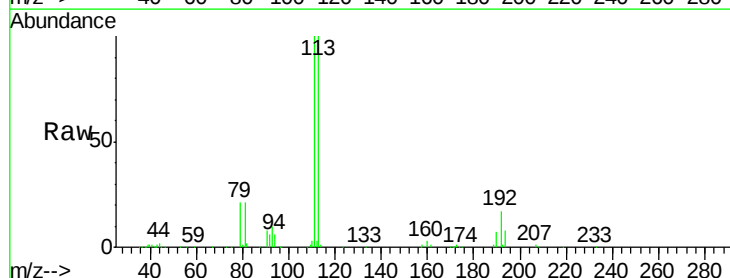
Tgt Ion:113 Resp: 144049

Ion Ratio Lower Upper

113 100

111 100.4 82.1 123.1

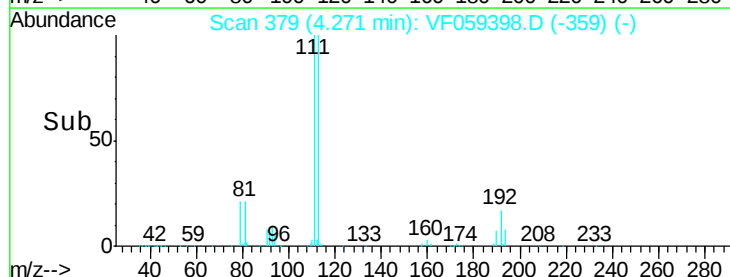
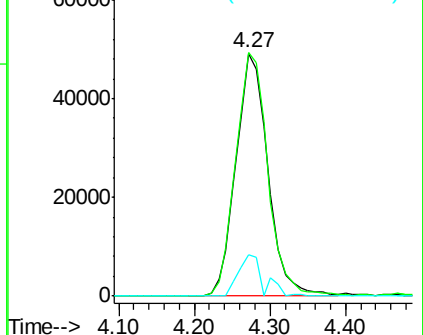
192 17.1 13.0 19.6

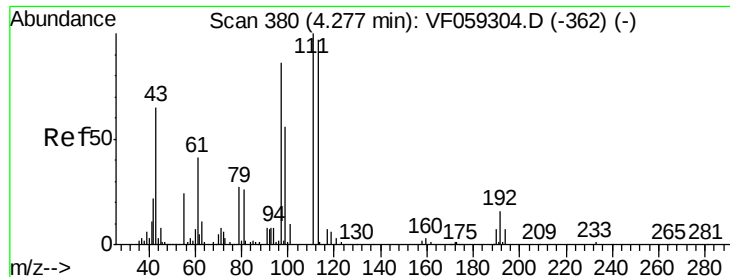


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

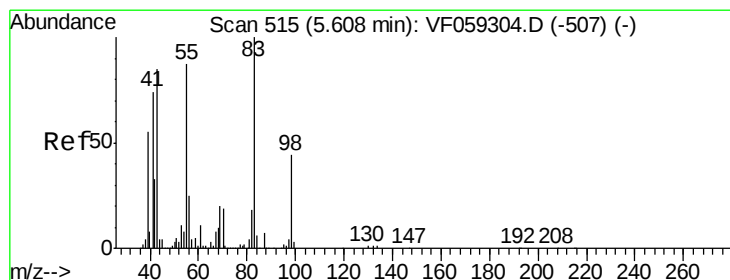
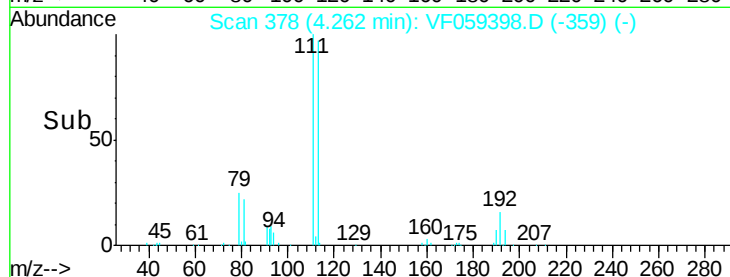
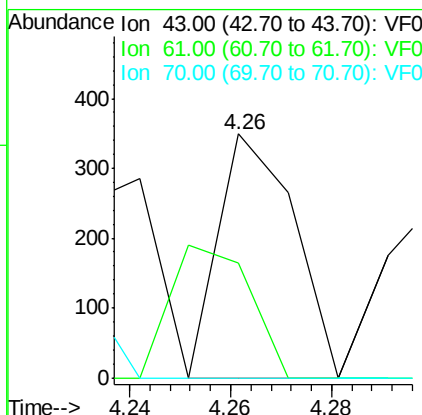
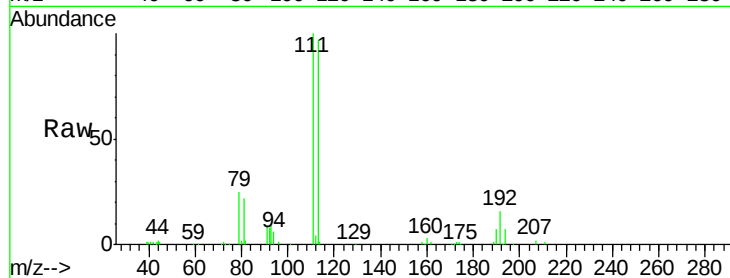




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF059398.D
Acq: 2 Jul 2018 20:23

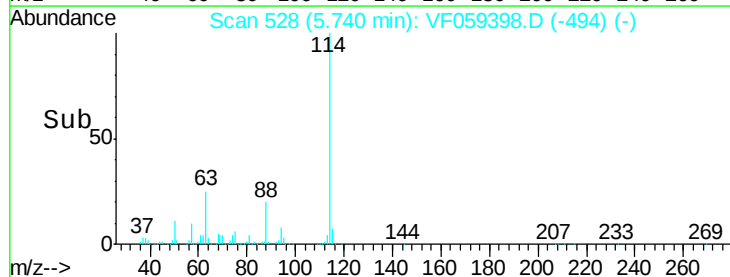
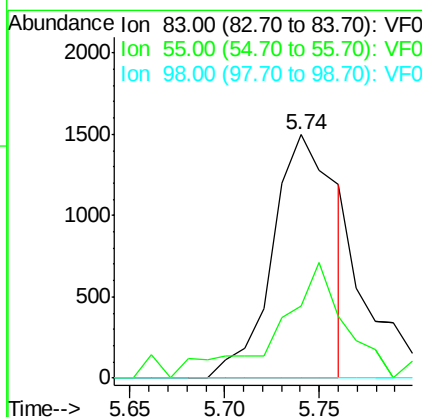
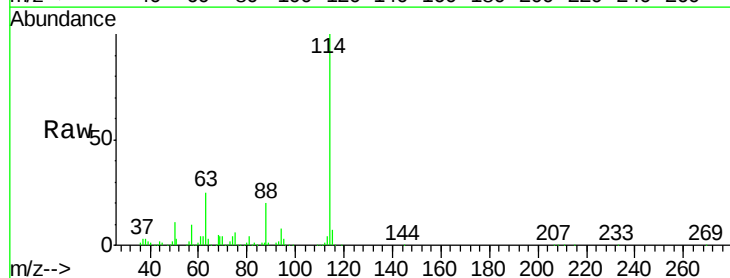
Instrument :
MSVOA_F
ClientSampleId :
CF-4(3.0)RE

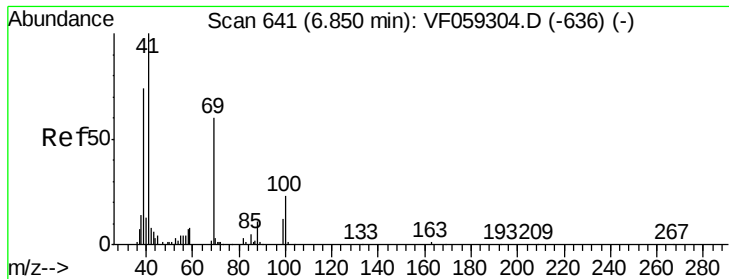
Tot Ion: 43 Resp: 363
Ion Ratio Lower Upper
43 100
61 47.0 50.1 75.1#
70 0.0 6.2 9.4#



#39
Methylcyclohexane
Concen: 1.52 ug/l
RT: 5.74 min Scan# 528
Delta R.T. 0.13 min
Lab File: VF059398.D
Acq: 2 Jul 2018 20:23

Tgt Ion: 83 Resp: 3480
Ion Ratio Lower Upper
83 100
55 29.6 69.2 103.8#
98 0.0 35.0 52.6#

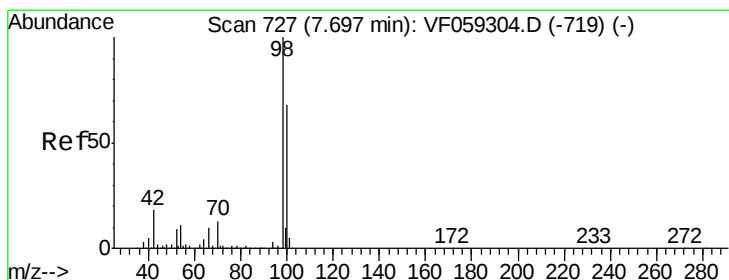
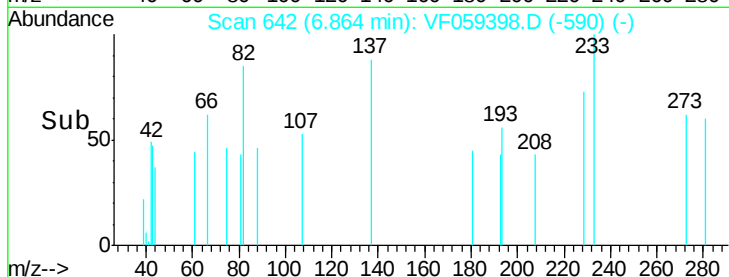
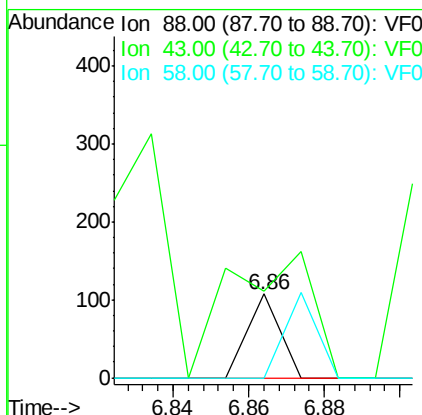
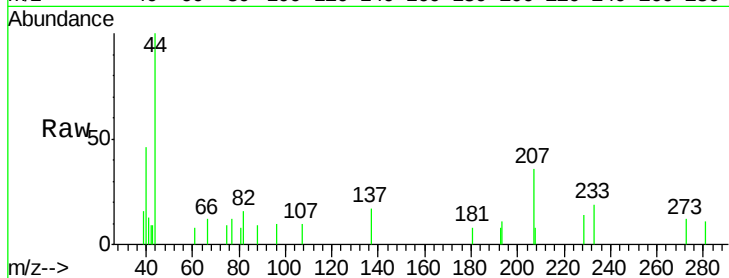




#49
1,4-Dioxane
Concen: Below Cal
RT: 6.86 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF059398.D
Acq: 2 Jul 2018 20:23

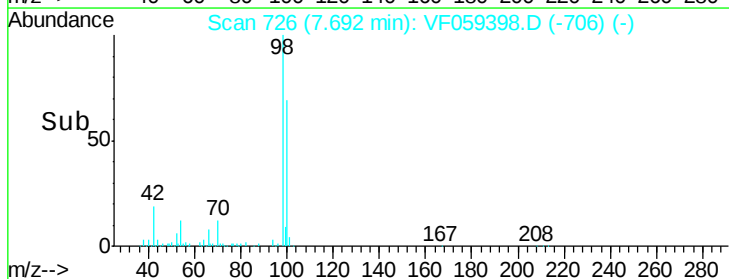
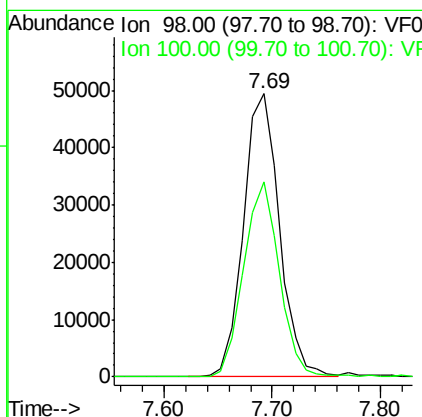
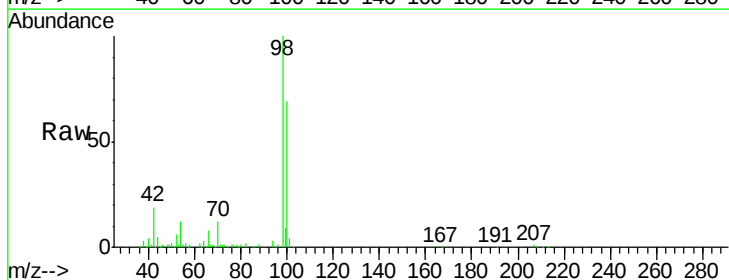
Instrument :
MSVOA_F
ClientSampleId :
CF-4(3.0)RE

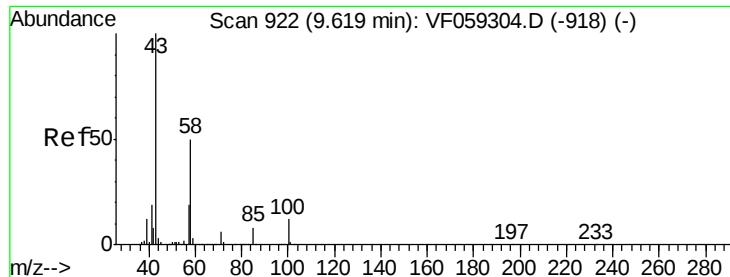
Tot Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 103.7 50.6 75.8#
58 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 21.37 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF059398.D
Acq: 2 Jul 2018 20:23

Tgt Ion: 98 Resp: 114265
Ion Ratio Lower Upper
98 100
100 69.0 54.6 82.0

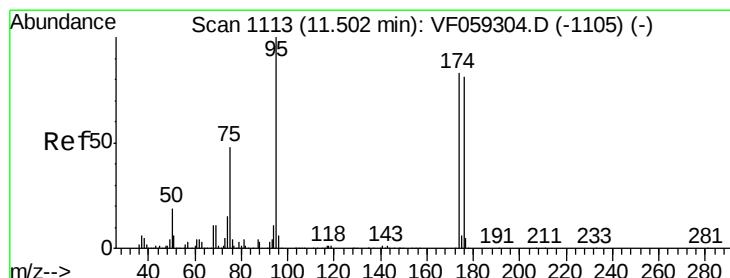
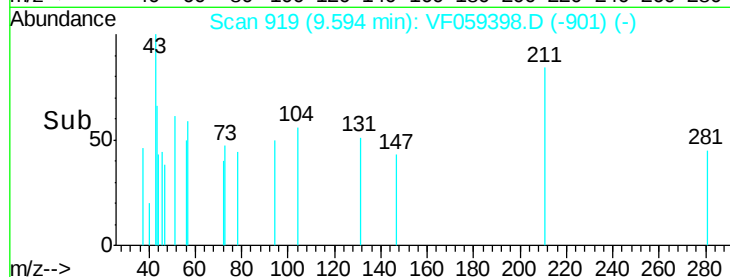
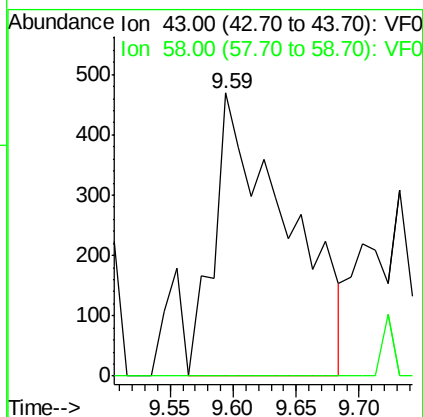
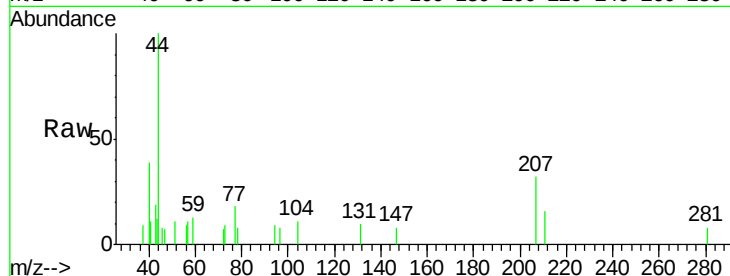




#59
2-Hexanone
Concen: Below Cal
RT: 9.59 min Scan# 919
Delta R.T. -0.02 min
Lab File: VF059398.D
Acq: 2 Jul 2018 20:23

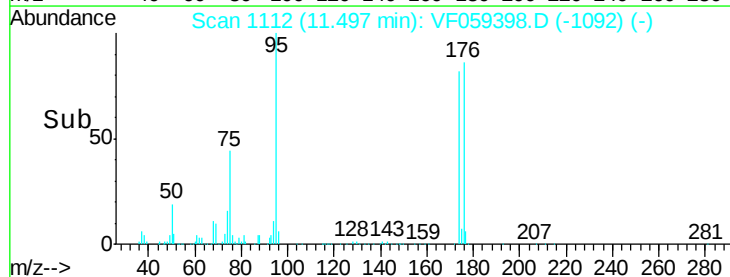
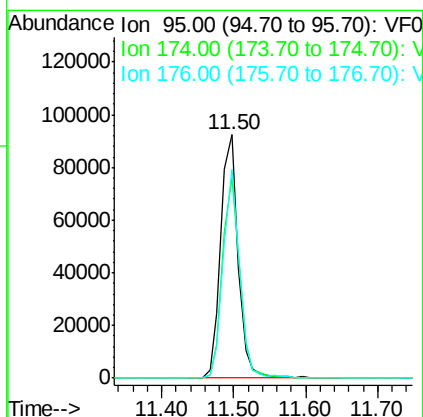
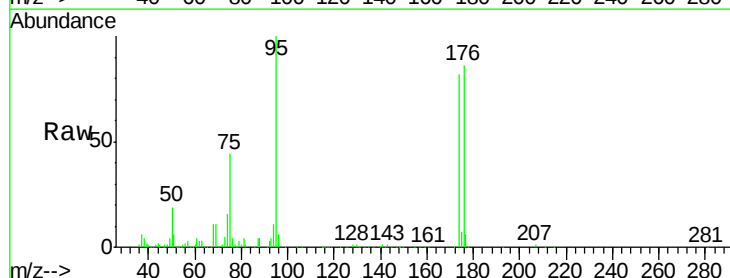
Instrument :
MSVOA_F
ClientSampleId :
CF-4(3.0)RE

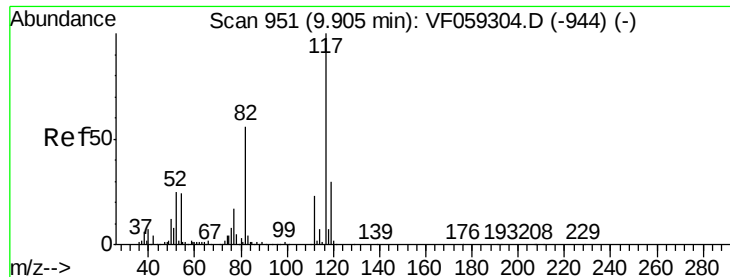
Tot Ion: 43 Resp: 1880
Ion Ratio Lower Upper
43 100
58 0.0 23.3 69.9#



#62
4-Bromofluorobenzene
Concen: 51.32 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF059398.D
Acq: 2 Jul 2018 20:23

Tgt Ion: 95 Resp: 154786
Ion Ratio Lower Upper
95 100
174 82.3 0.0 165.2
176 86.0 0.0 161.0

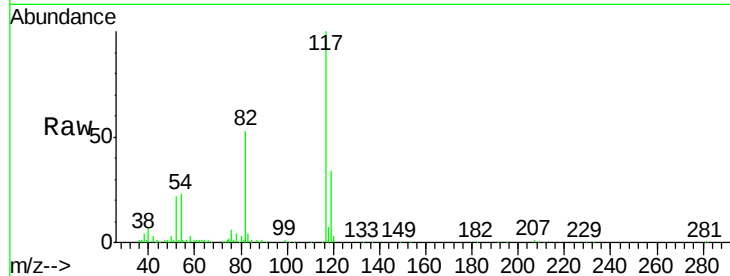




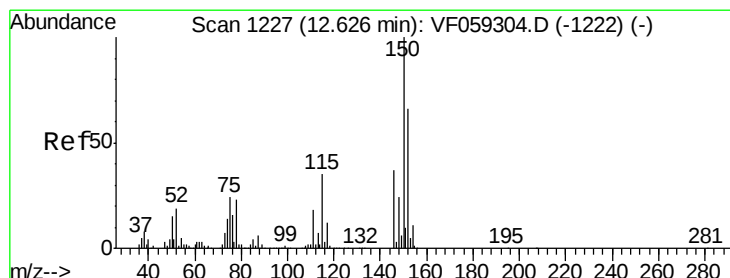
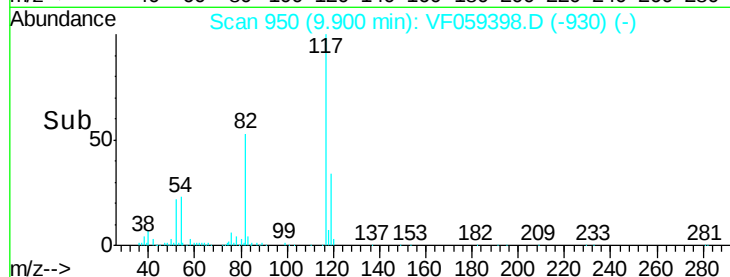
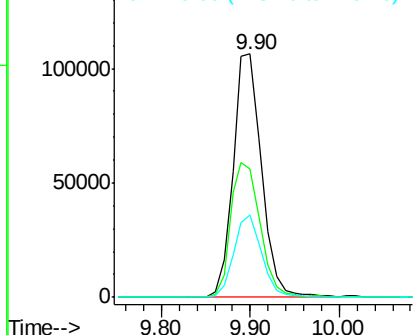
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059398.D
Acq: 2 Jul 2018 20:23

Instrument :
MSVOA_F
ClientSampled :
CF-4(3.0)RE

Tot Ion:117 Resp: 238416
Ion Ratio Lower Upper
117 100
82 52.8 44.6 66.8
119 33.9 24.1 36.1

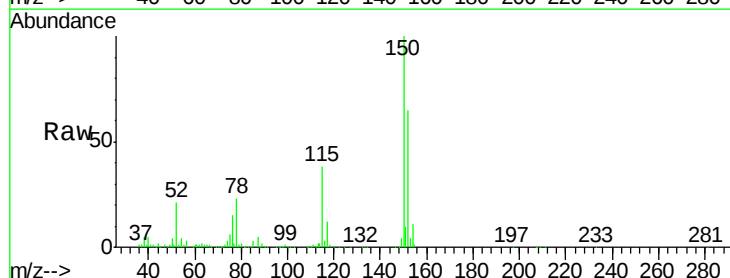


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

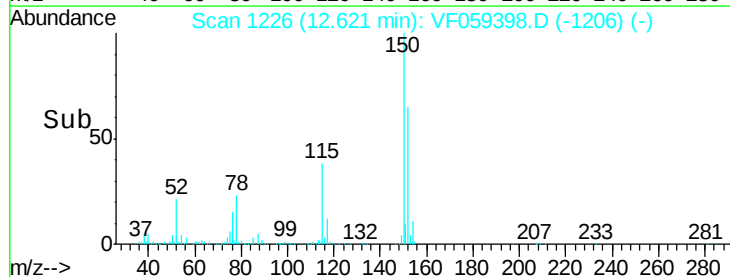
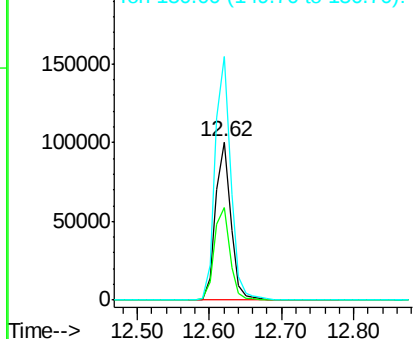


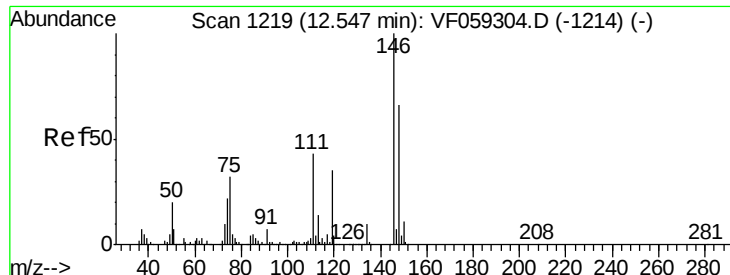
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059398.D
Acq: 2 Jul 2018 20:23

Tgt Ion:152 Resp: 146020
Ion Ratio Lower Upper
152 100
115 58.3 27.1 81.3
150 153.9 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: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059398.D

Acq: 2 Jul 2018 20:23

Instrument :

MSVOA_F

ClientSampleId :

CF-4(3.0)RE

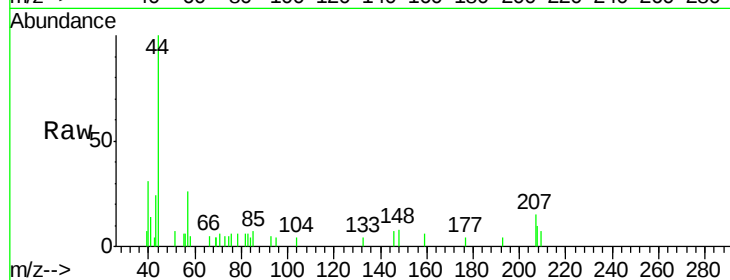
Tot Ion:146 Resp: 261

Ion Ratio Lower Upper

146 100

111 0.0 21.4 64.2#

148 116.0 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

