

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
 Data File : VF059292.D
 Acq On : 22 Jun 2018 23:47
 Operator : VA/AP
 Sample : J3605-02
 Misc : 6.05g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S-2(8.5-9)

Quant Time: Jun 23 04:39:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	177082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	280801	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	274904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	179804	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	138752	54.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.18%	
35) Dibromofluoromethane	4.29	113	119593	50.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.24%	
50) Toluene-d8	7.70	98	288049	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
62) 4-Bromofluorobenzene	11.50	95	157251	47.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.38%	

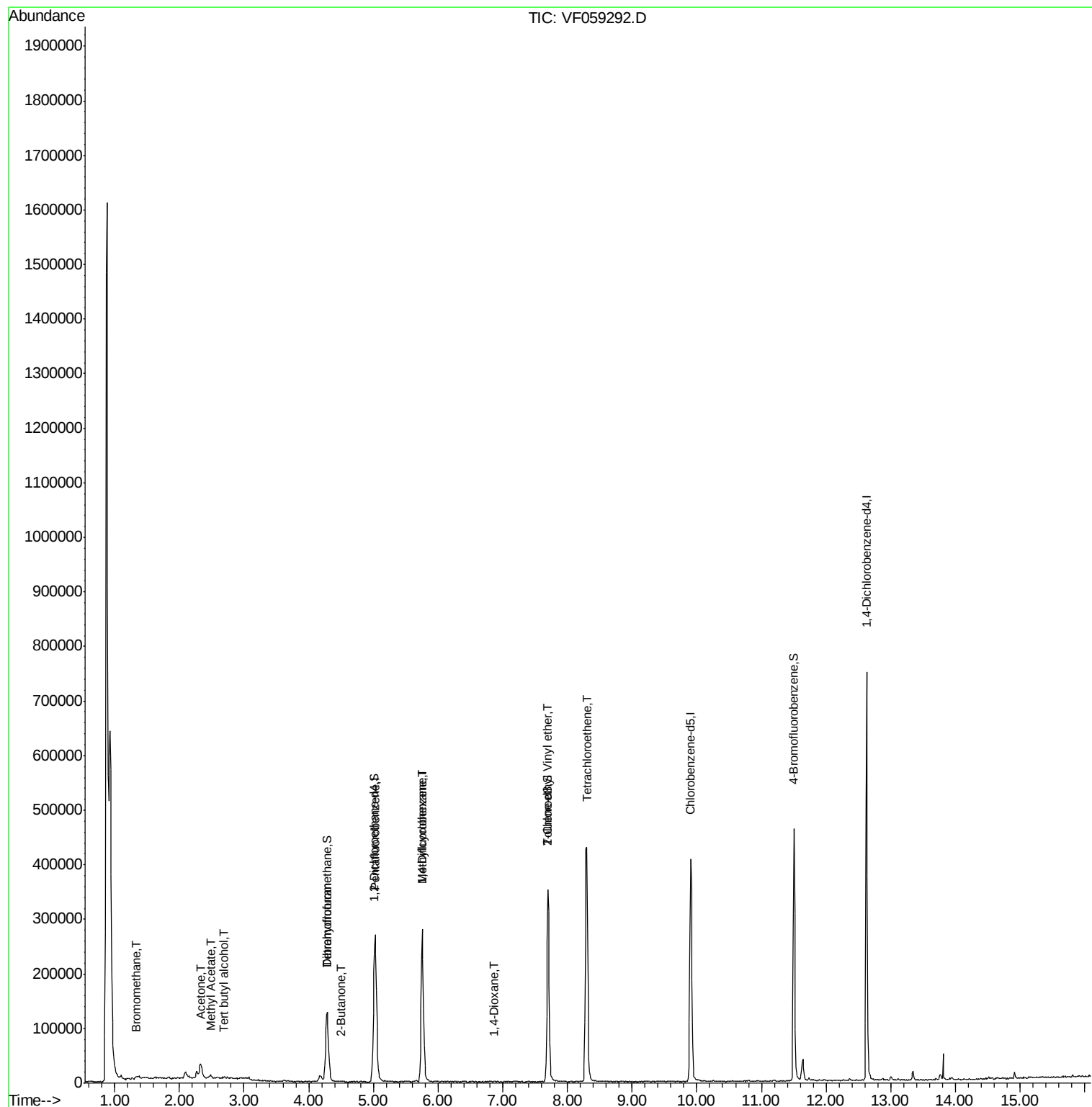
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.33	94	200	1.976	ug/l #	1
11) Tert butyl alcohol	2.69	59	1712	11.558	ug/l #	1
13) Acrolein	2.10	56	607	Below Cal	#	1
15) Acrylonitrile	2.96	53	312	Below Cal		89
16) Acetone	2.34	43	34397	57.255	ug/l	97
18) Methyl Acetate	2.47	43	4183	3.693	ug/l #	85
25) 2-Butanone	4.49	43	2176	2.715	ug/l #	58
28) Bromochloromethane	3.93	49	72	Below Cal	#	8
29) Tetrahydrofuran	4.28	42	374	1.039	ug/l #	37
39) Methylcyclohexane	5.75	83	4476	1.695	ug/l #	38
49) 1,4-Dioxane	6.87	88	185	21.808	ug/l #	29
58) 2-Chloroethyl Vinyl ether	7.70	63	563	3.301	ug/l	100
64) Tetrachloroethene	8.30	164	127734	60.501	ug/l	97

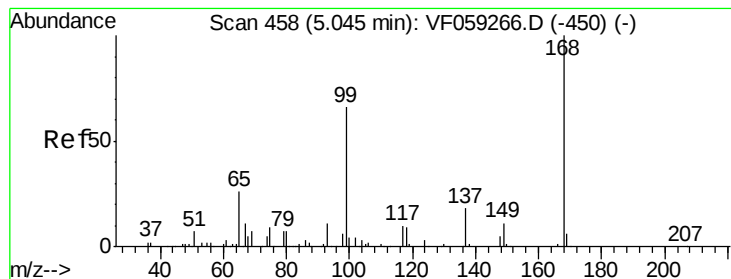
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
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S-2(8.5-9)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059292.D

Acq: 22 Jun 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

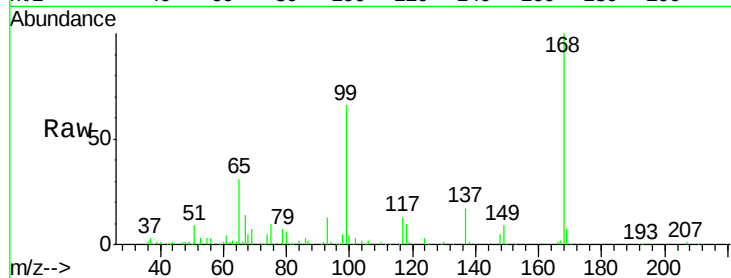
S-2(8.5-9)

Tgt Ion:168 Resp: 177082

Ion Ratio Lower Upper

168 100

99 66.2 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

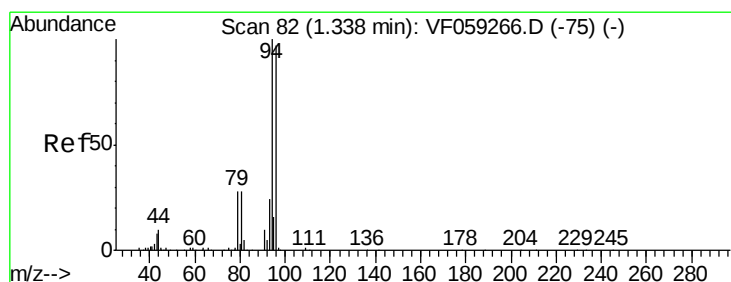
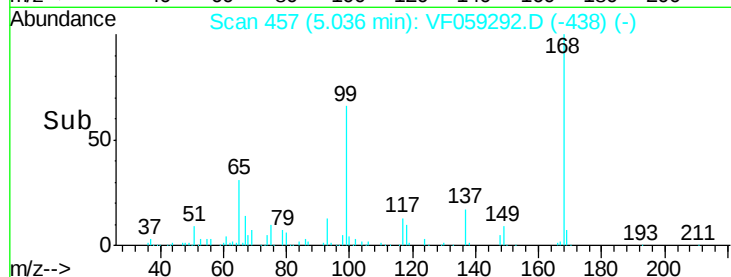
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 1.976 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059292.D

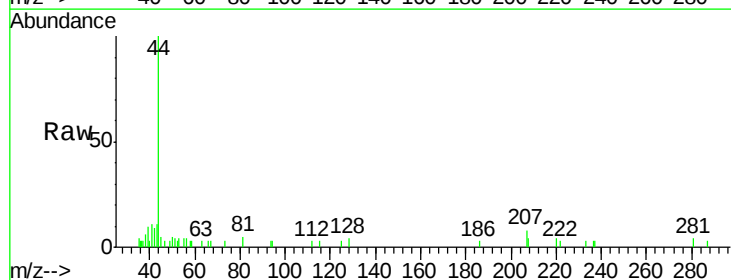
Acq: 22 Jun 2018 23:47

Tgt Ion: 94 Resp: 200

Ion Ratio Lower Upper

94 100

96 0.0 77.7 116.5#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

400

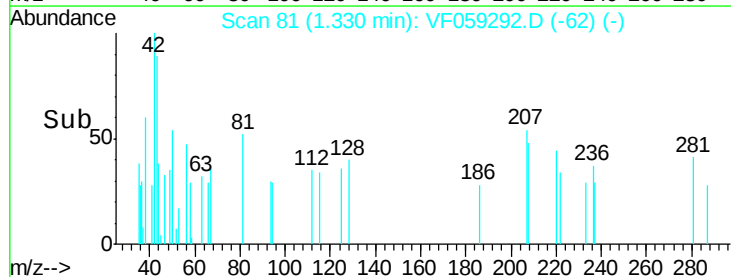
300

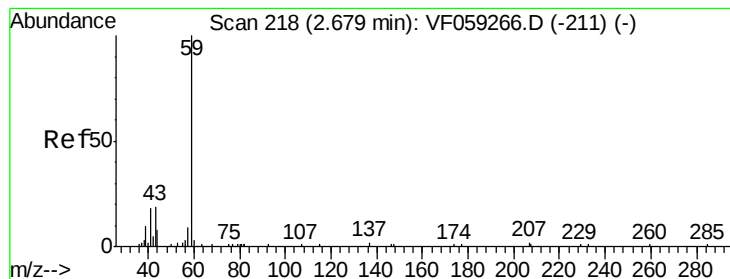
200

100

0

Time-->



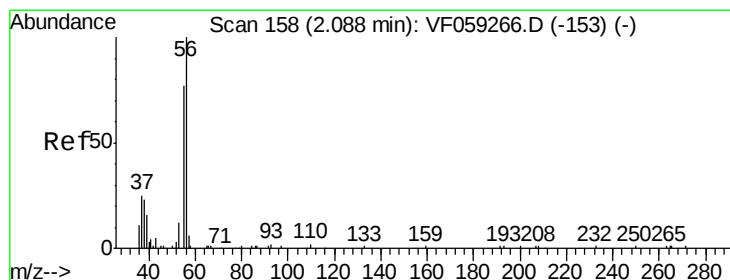
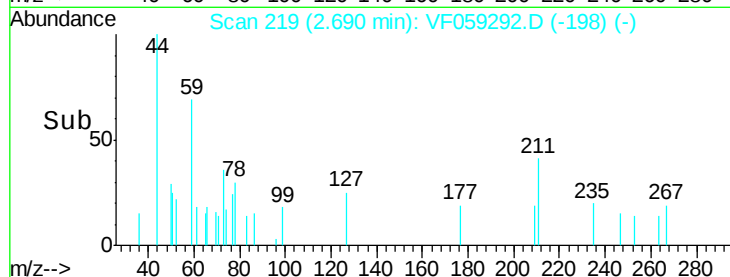
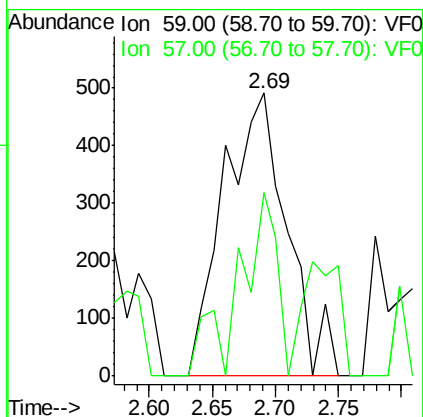
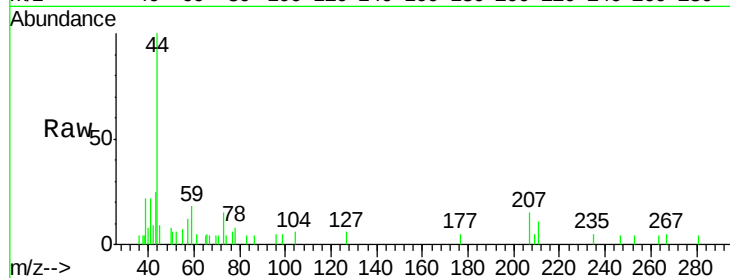


#11

Tert butyl alcohol
Concen: 11.558 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059292.D
Acq: 22 Jun 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
S-2(8.5-9)

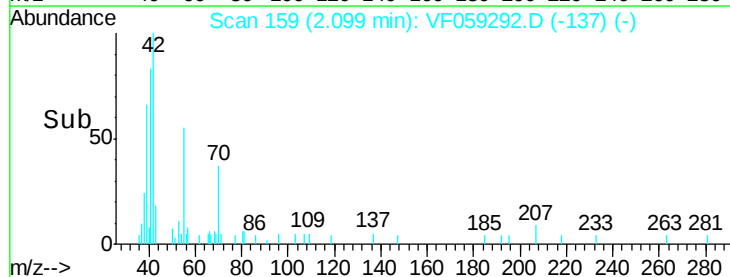
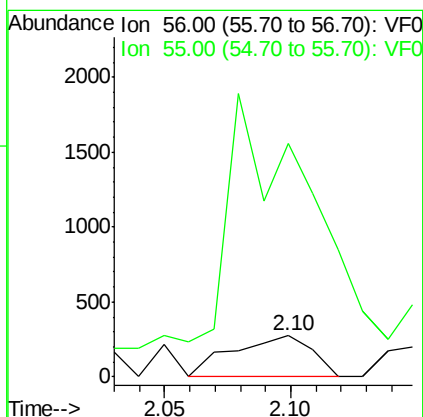
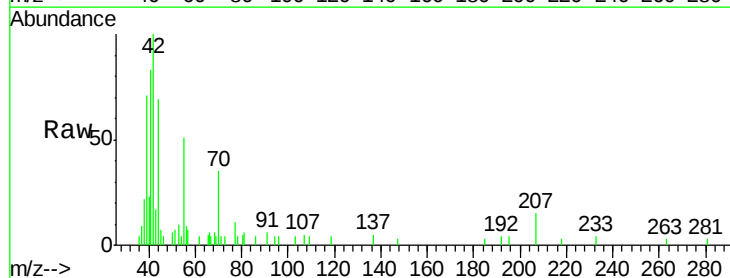
Tgt Ion: 59 Resp: 1712
Ion Ratio Lower Upper
59 100
57 64.6 9.2 13.8#

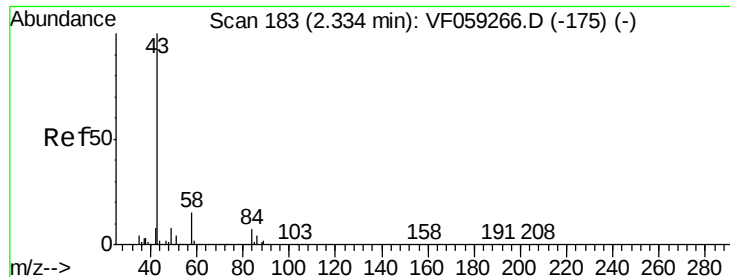


#13

Acrolein
Concen: Below Cal
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF059292.D
Acq: 22 Jun 2018 23:47

Tgt Ion: 56 Resp: 607
Ion Ratio Lower Upper
56 100
55 568.6 63.0 94.6#





#16

Acetone

Concen: 57.255 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059292.D

Acq: 22 Jun 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

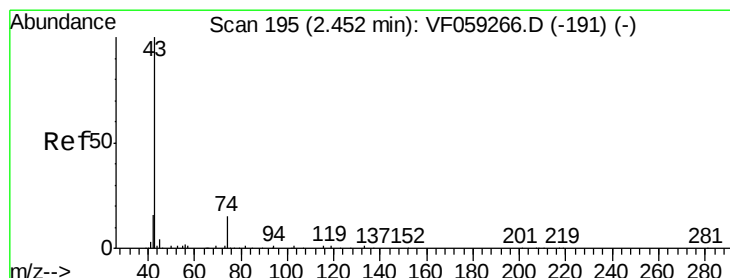
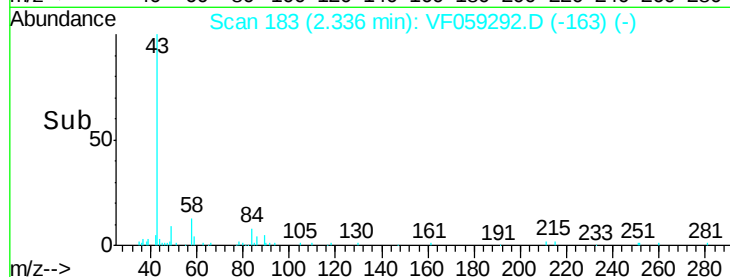
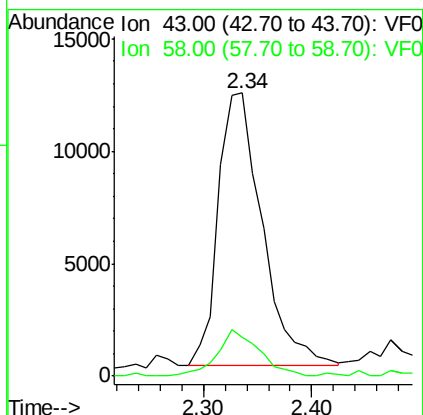
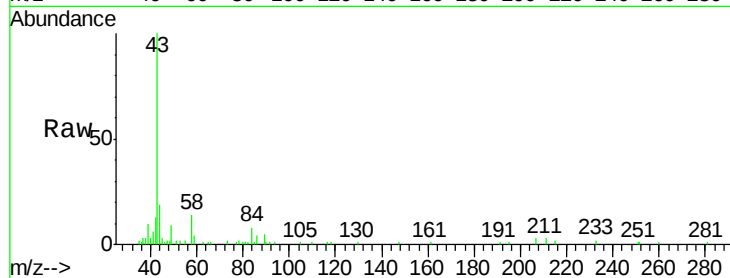
S-2(8.5-9)

Tgt Ion: 43 Resp: 34397

Ion Ratio Lower Upper

43 100

58 13.7 12.1 18.1



#18

Methyl Acetate

Concen: 3.693 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.02 min

Lab File: VF059292.D

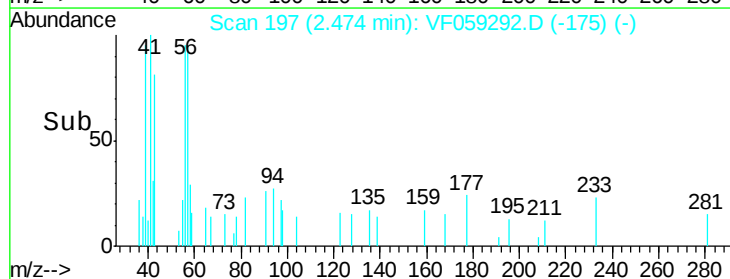
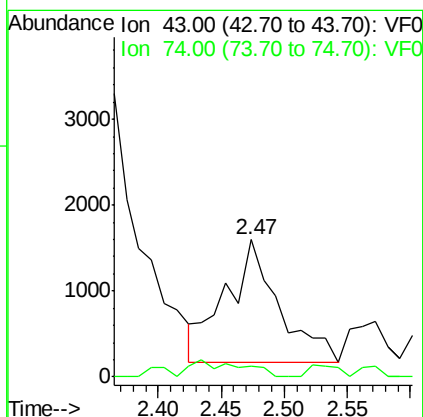
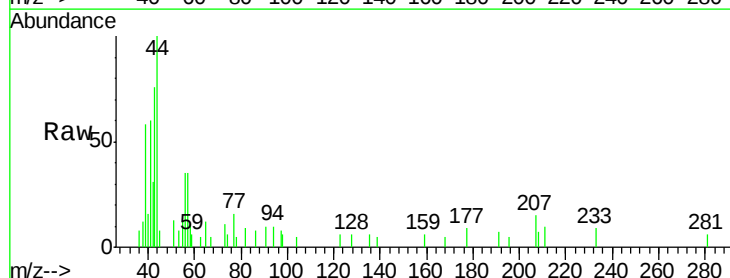
Acq: 22 Jun 2018 23:47

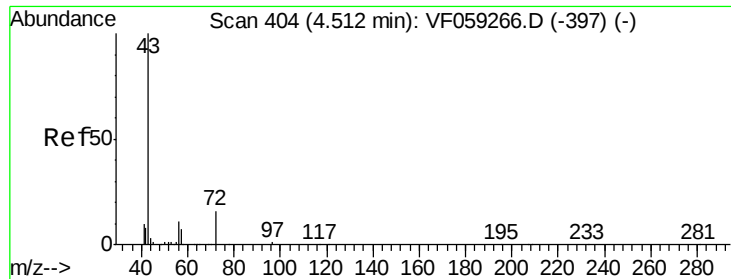
Tgt Ion: 43 Resp: 4183

Ion Ratio Lower Upper

43 100

74 7.6 11.0 16.4#

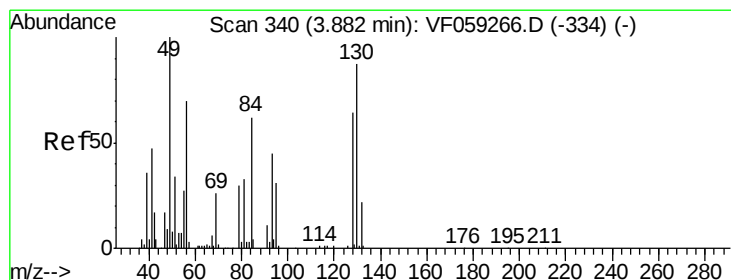
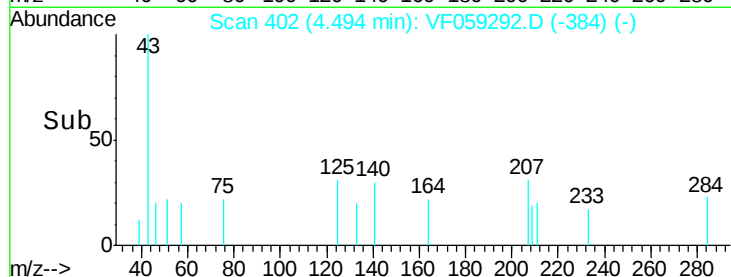
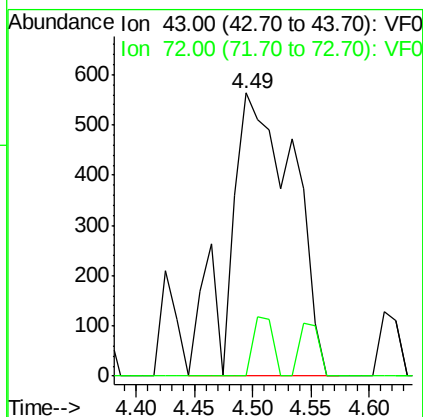
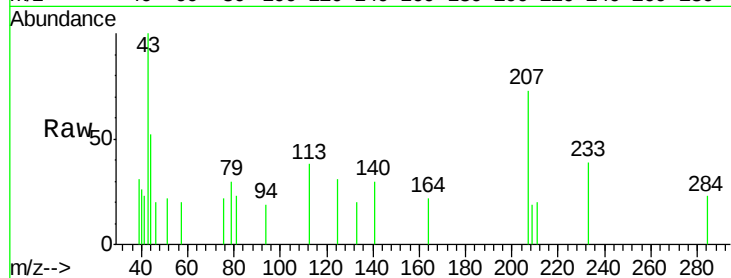




#25
2-Butanone
Concen: 2.715 ug/l
RT: 4.49 min Scan# 402
Delta R.T. -0.02 min
Lab File: VF059292.D
Acq: 22 Jun 2018 23:47

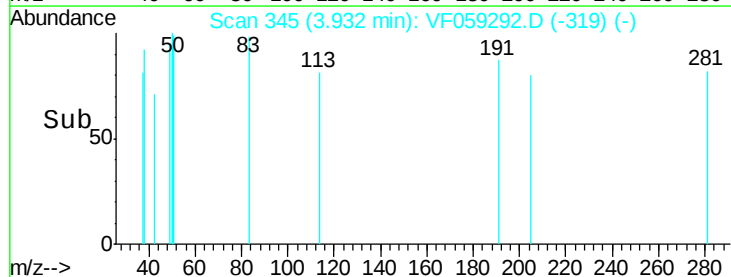
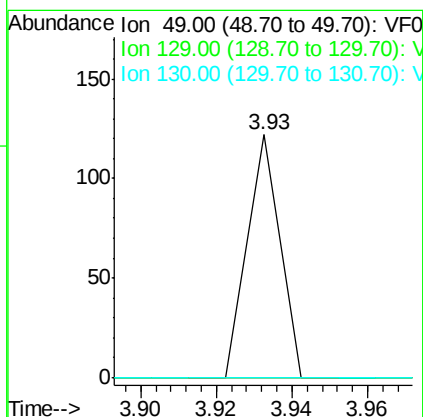
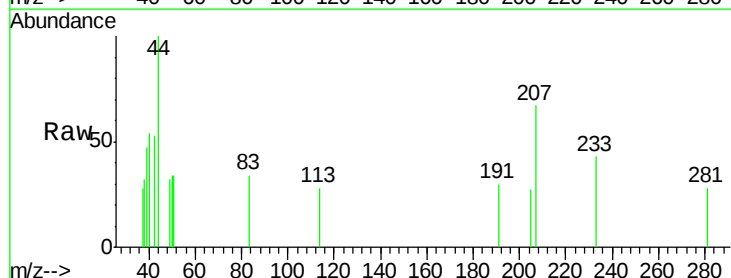
Instrument :
MSVOA_F
ClientSampleId :
S-2(8.5-9)

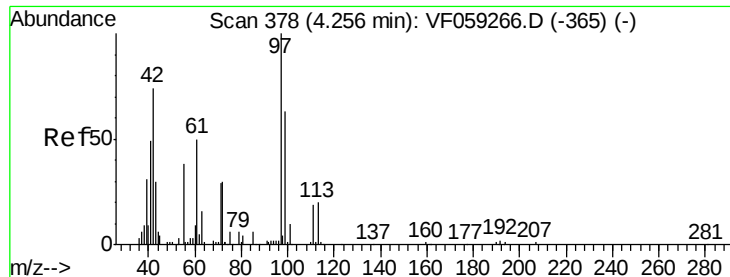
Tgt Ion: 43 Resp: 2176
Ion Ratio Lower Upper
43 100
72 0.0 15.2 22.8#



#28
Bromochloromethane
Concen: Below Cal
RT: 3.93 min Scan# 345
Delta R.T. 0.05 min
Lab File: VF059292.D
Acq: 22 Jun 2018 23:47

Tgt Ion: 49 Resp: 72
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 69.4 104.2#





#29

Tetrahydrofuran

Concen: 1.039 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF059292.D

Acq: 22 Jun 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

S-2(8.5-9)

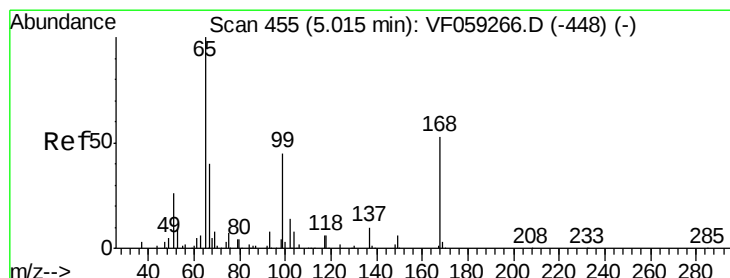
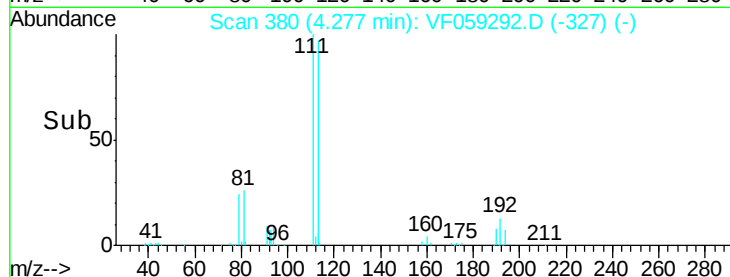
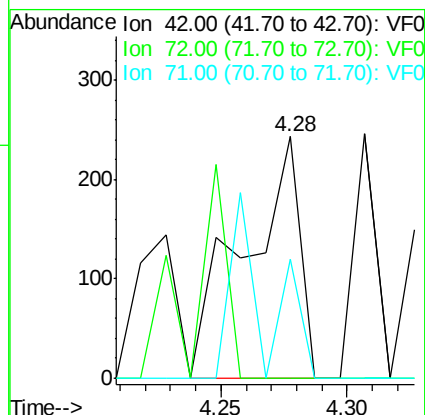
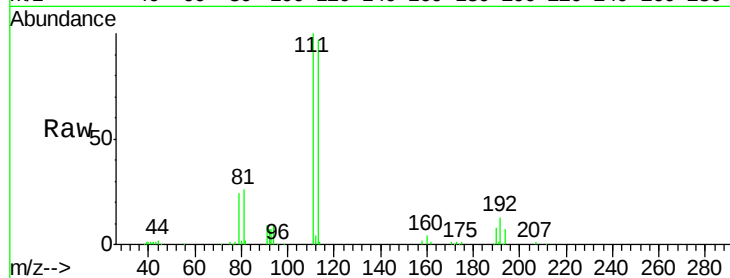
Tgt Ion: 42 Resp: 374

Ion Ratio Lower Upper

42 100

72 0.0 31.2 46.8#

71 0.0 30.2 45.2#



#33

1,2-Dichloroethane-d4

Concen: 54.586 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059292.D

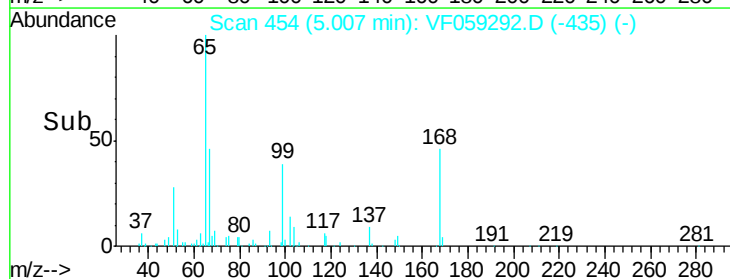
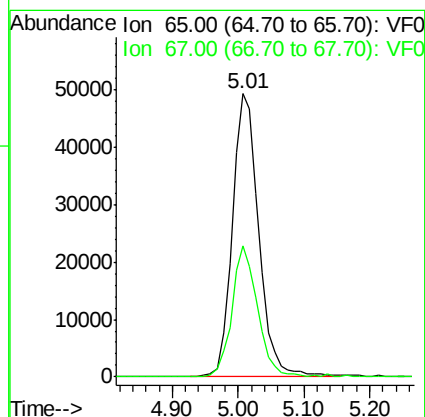
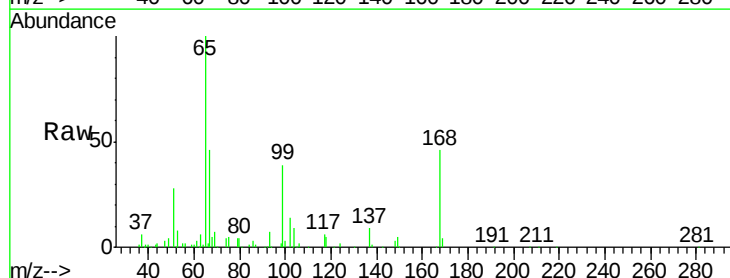
Acq: 22 Jun 2018 23:47

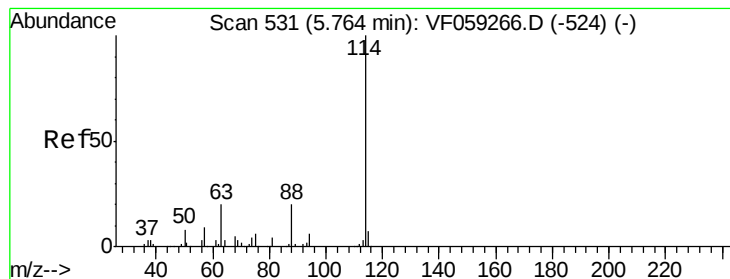
Tgt Ion: 65 Resp: 138752

Ion Ratio Lower Upper

65 100

67 46.5 0.0 95.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059292.D

Acq: 22 Jun 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

S-2(8.5-9)

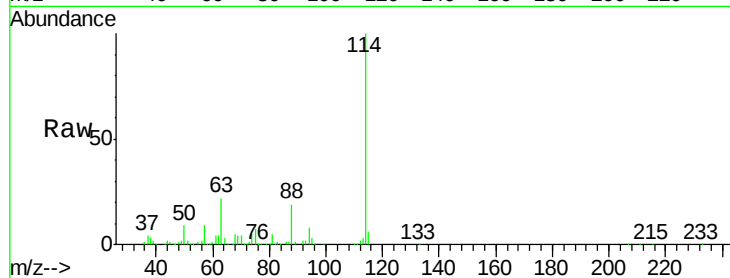
Tgt Ion:114 Resp: 280801

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.0

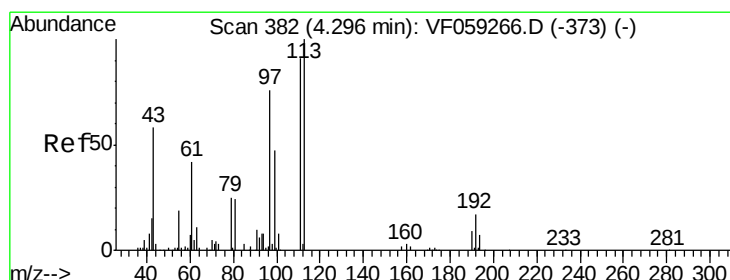
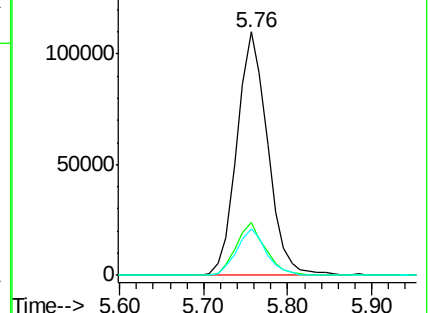
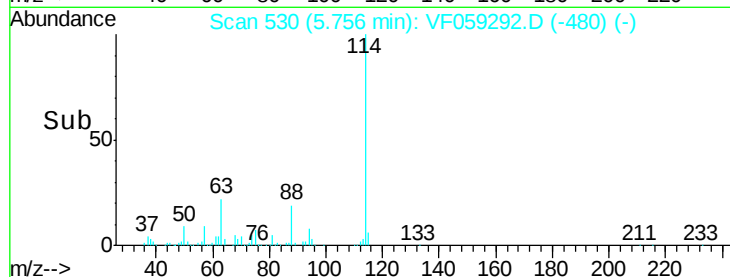
88 19.0 0.0 39.6



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: 50.621 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059292.D

Acq: 22 Jun 2018 23:47

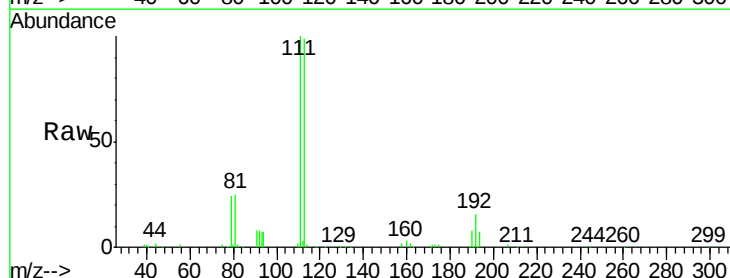
Tgt Ion:113 Resp: 119593

Ion Ratio Lower Upper

113 100

111 100.5 73.1 109.7

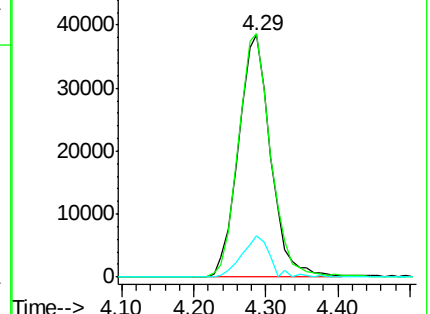
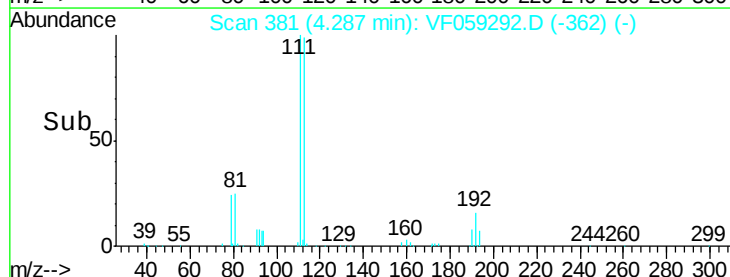
192 17.0 13.9 20.9

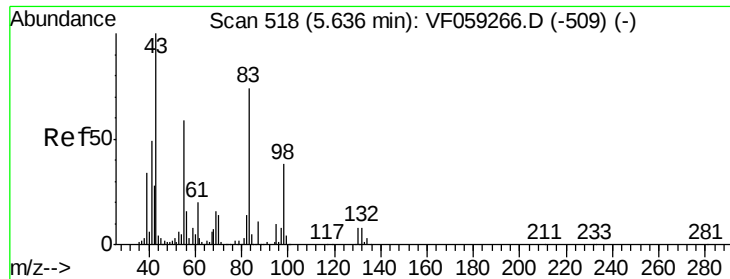


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

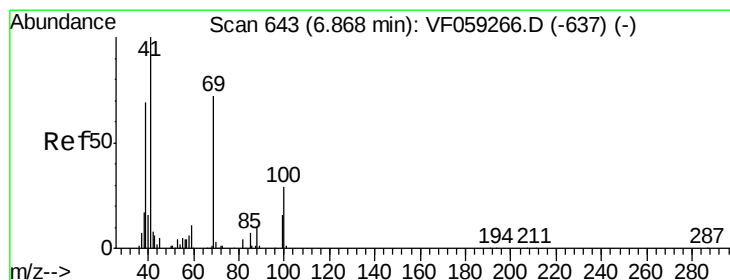
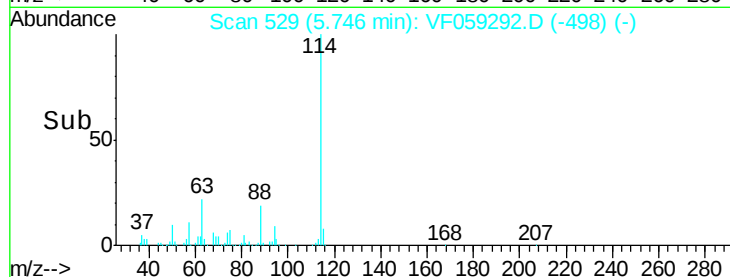
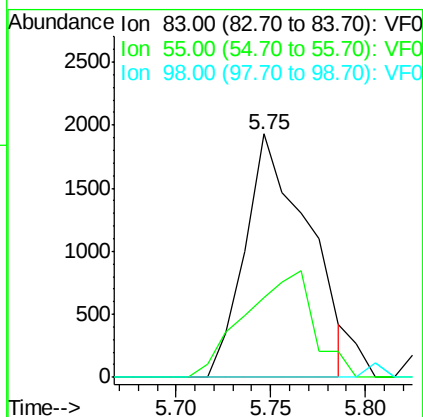
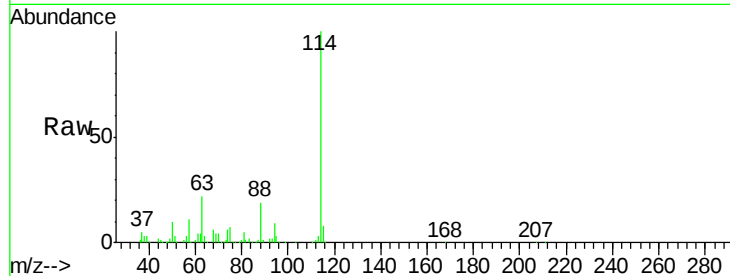




#39
Methylcyclohexane
Concen: 1.695 ug/l
RT: 5.75 min Scan# 529
Delta R.T. 0.11 min
Lab File: VF059292.D
Acq: 22 Jun 2018 23:47

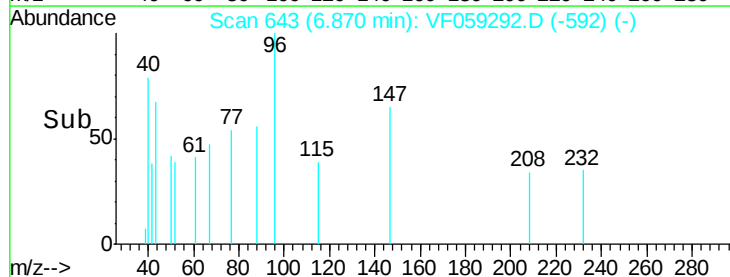
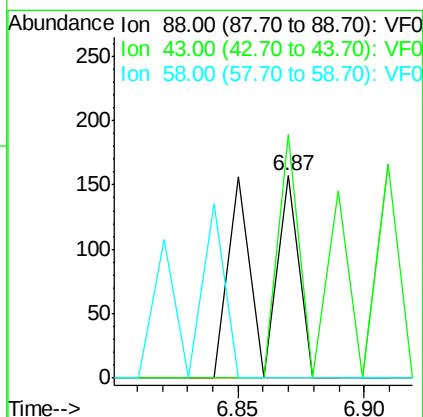
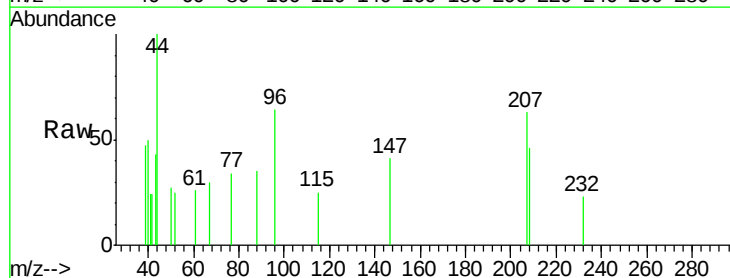
Instrument :
MSVOA_F
ClientSampleId :
S-2(8.5-9)

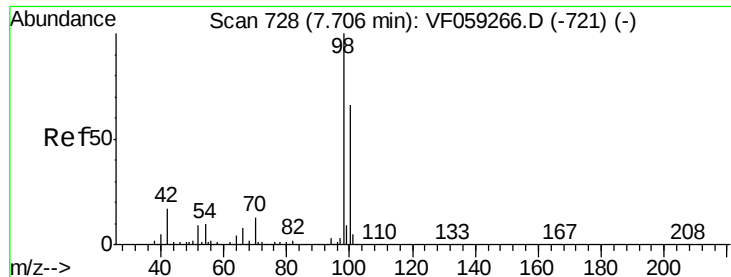
Tgt Ion: 83 Resp: 4476
Ion Ratio Lower Upper
83 100
55 32.5 63.7 95.5#
98 0.0 41.6 62.4#



#49
1,4-Dioxane
Concen: 21.808 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059292.D
Acq: 22 Jun 2018 23:47

Tgt Ion: 88 Resp: 185
Ion Ratio Lower Upper
88 100
43 120.4 55.5 83.3#
58 0.0 50.1 75.1#

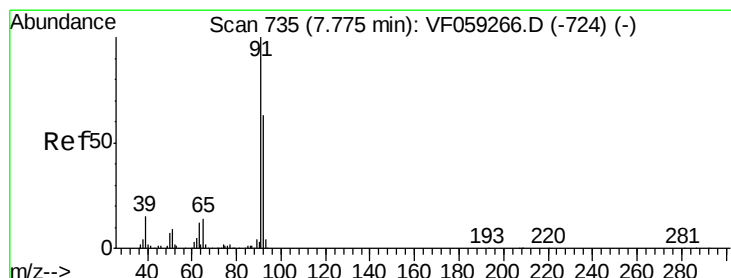
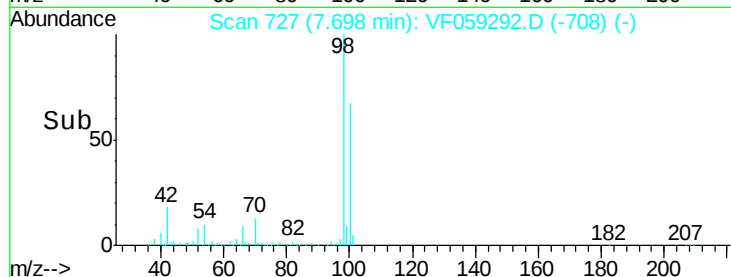
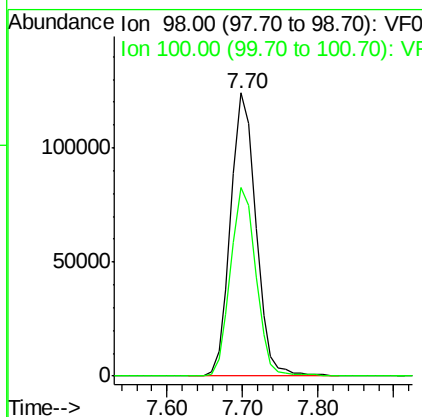
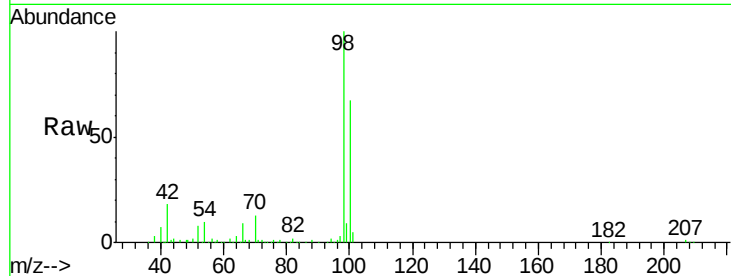




#50
Toluene-d8
Concen: 47.934 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059292.D
Acq: 22 Jun 2018 23:47

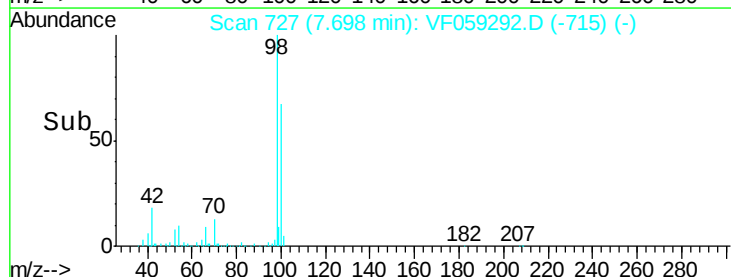
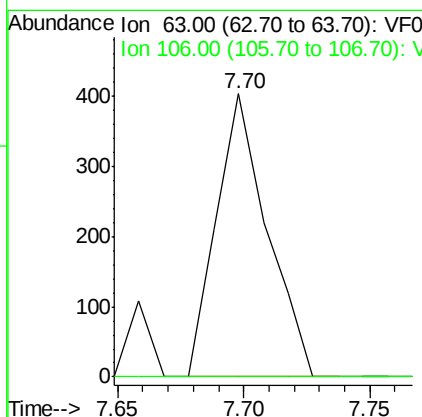
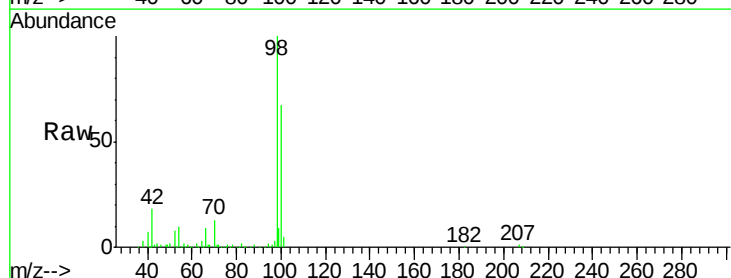
Instrument :
MSVOA_F
ClientSampleId :
S-2(8.5-9)

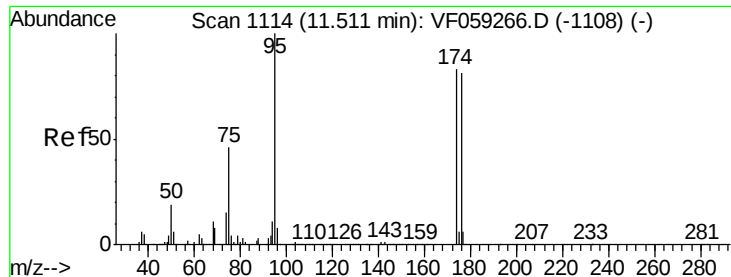
Tgt Ion: 98 Resp: 288049
Ion Ratio Lower Upper
98 100
100 66.7 52.8 79.2



#58
2-Chloroethyl Vinyl ether
Concen: 3.301 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.08 min
Lab File: VF059292.D
Acq: 22 Jun 2018 23:47

Tgt Ion: 63 Resp: 563
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0





#62

4-Bromofluorobenzene

Concen: 47.190 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059292.D

Acq: 22 Jun 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

S-2(8.5-9)

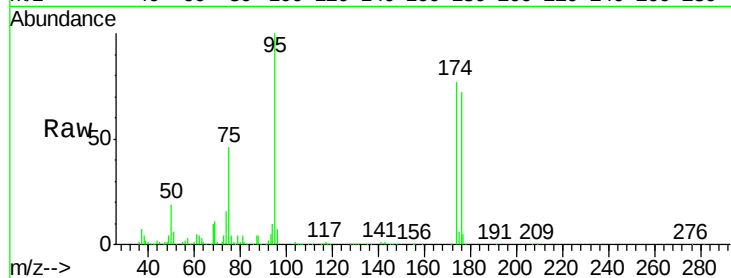
Tgt Ion: 95 Resp: 157251

Ion Ratio Lower Upper

95 100

174 76.7 0.0 166.2

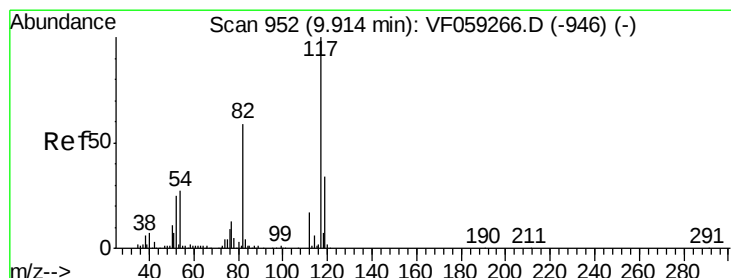
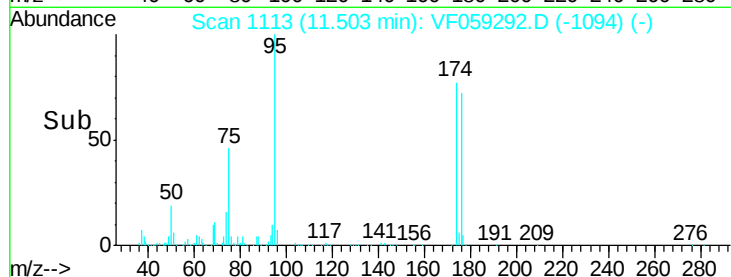
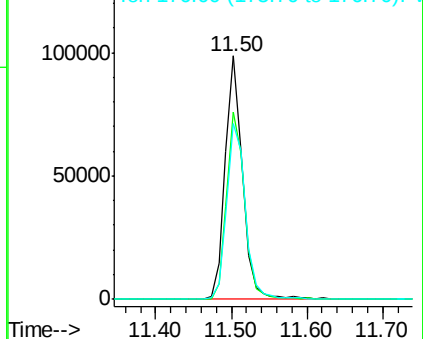
176 72.2 0.0 162.8



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# 951

Delta R.T. -0.01 min

Lab File: VF059292.D

Acq: 22 Jun 2018 23:47

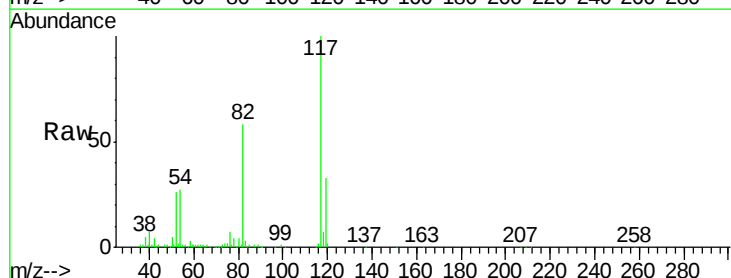
Tgt Ion: 117 Resp: 274904

Ion Ratio Lower Upper

117 100

82 58.2 47.1 70.7

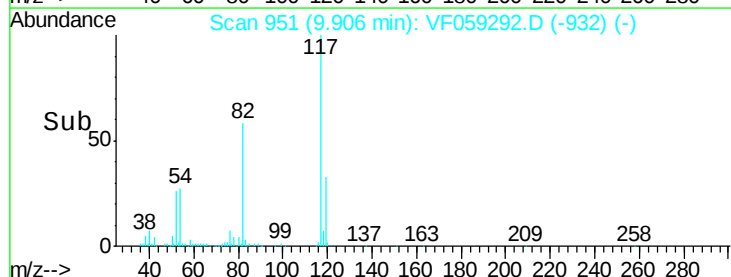
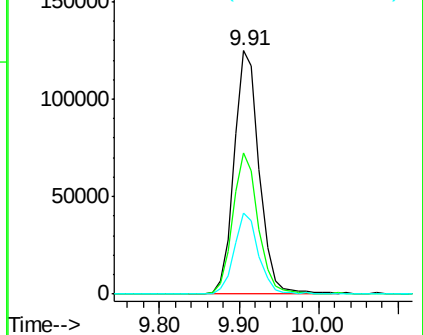
119 33.1 26.9 40.3

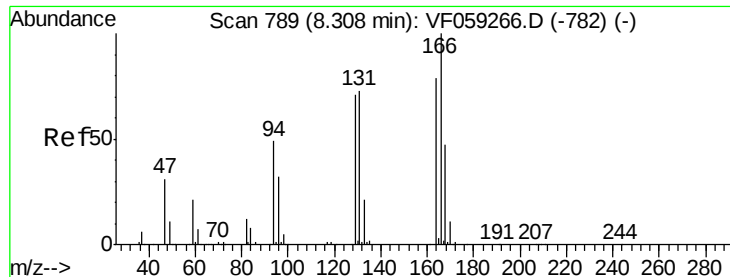


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#64

Tetrachloroethene

Concen: 60.501 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF059292.D

Acq: 22 Jun 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

S-2(8.5-9)

Tgt Ion:164 Resp: 127734

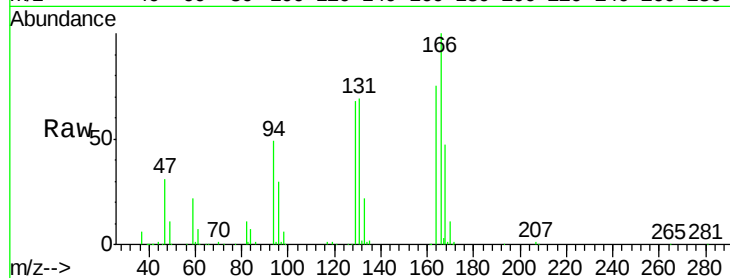
Ion Ratio Lower Upper

164 100

166 133.6 101.4 152.2

129 90.4 72.2 108.4

131 91.9 73.8 110.6



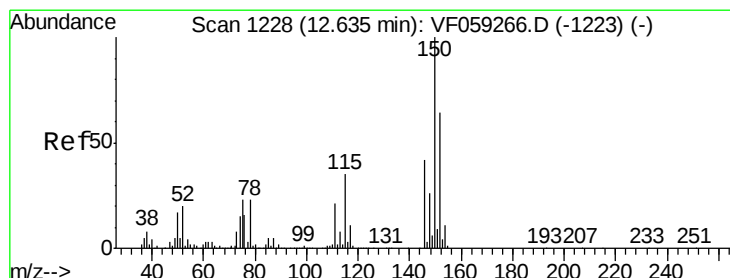
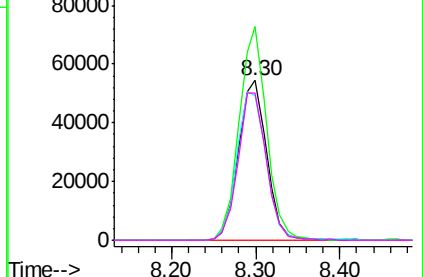
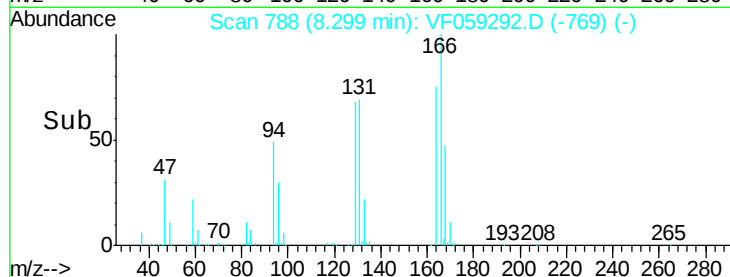
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059292.D

Acq: 22 Jun 2018 23:47

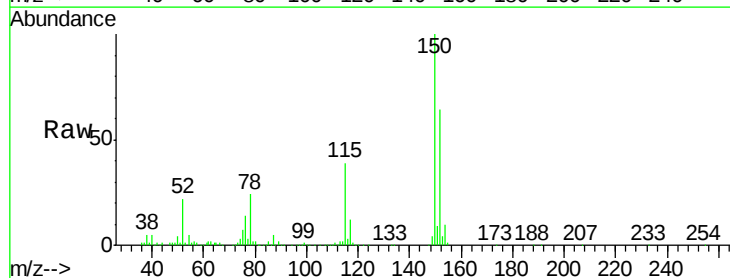
Tgt Ion:152 Resp: 179804

Ion Ratio Lower Upper

152 100

115 60.7 27.8 83.3

150 155.2 0.0 313.8



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

Time-->

