

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
 Data File : VF059280.D
 Acq On : 22 Jun 2018 18:05
 Operator : VA/AP
 Sample : VF0622SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBL01

Quant Time: Jun 23 04:35:27 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	5.03	168	259057	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	405588	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	403482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	259671	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	188449	50.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.36%		
35) Dibromofluoromethane	4.28	113	173260	50.77	ug/l	-0.02
Spiked Amount 50.000			Recovery =	101.54%		
50) Toluene-d8	7.70	98	424621	48.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.84%		
62) 4-Bromofluorobenzene	11.50	95	243253	50.54	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.08%		

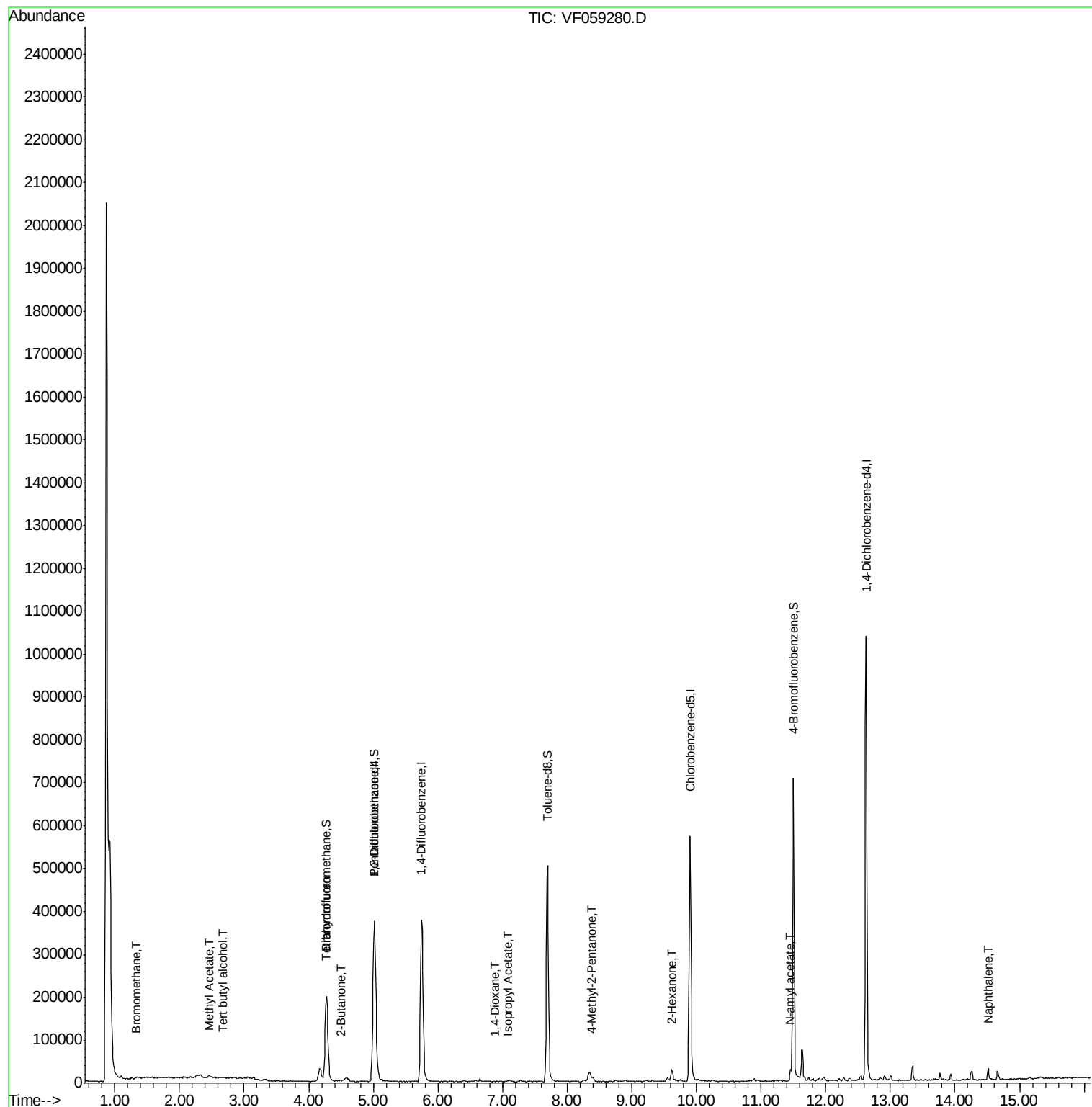
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.33	94	457	2.083	ug/l #	71
11) Tert butyl alcohol	2.66	59	923	4.260	ug/l #	17
13) Acrolein	1.92	56	577	Below Cal		88
15) Acrylonitrile	3.06	53	1168	Below Cal	#	26
18) Methyl Acetate	2.47	43	2833	1.710	ug/l #	66
20) Methylene Chloride	2.30	84	2574	Below Cal	#	74
25) 2-Butanone	4.49	43	2941	2.509	ug/l #	58
28) Bromochloromethane	3.90	49	63	Below Cal	#	8
29) Tetrahydrofuran	4.26	42	865	1.643	ug/l #	52
43) Isopropyl Acetate	7.10	43	3630	1.088	ug/l #	80
49) 1,4-Dioxane	6.87	88	247	20.158	ug/l #	67
51) 4-Methyl-2-Pentanone	8.40	43	7921	3.328	ug/l #	88
59) 2-Hexanone	9.62	43	25557	13.544	ug/l	99
74) N-amyl acetate	11.45	43	16095	2.756	ug/l #	92
95) Naphthalene	14.52	128	18378	1.426	ug/l #	97

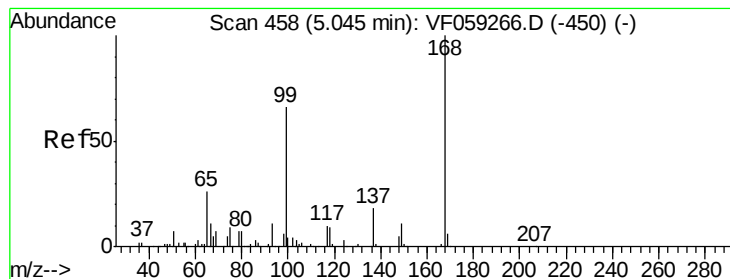
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF059280.D

Acq: 22 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

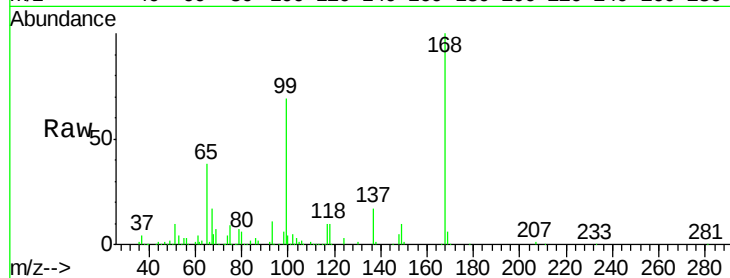
VF0622SBL01

Tgt Ion:168 Resp: 259057

Ion Ratio Lower Upper

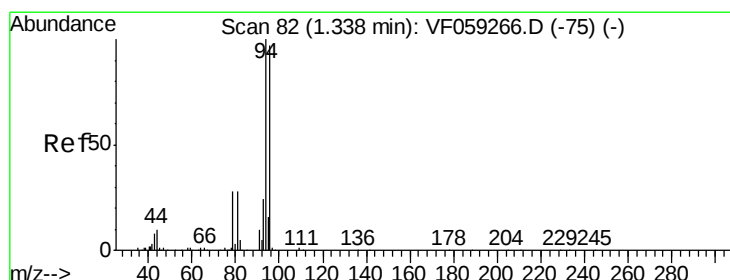
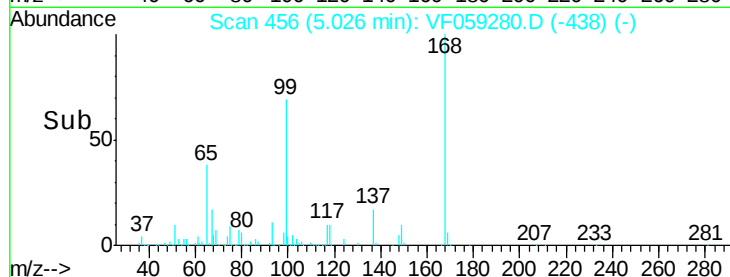
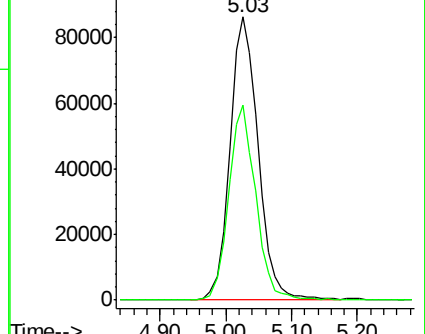
168 100

99 69.1 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#5

Bromomethane

Concen: 2.083 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059280.D

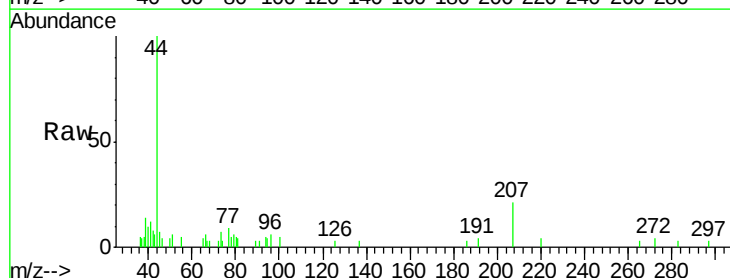
Acq: 22 Jun 2018 18:05

Tgt Ion: 94 Resp: 457

Ion Ratio Lower Upper

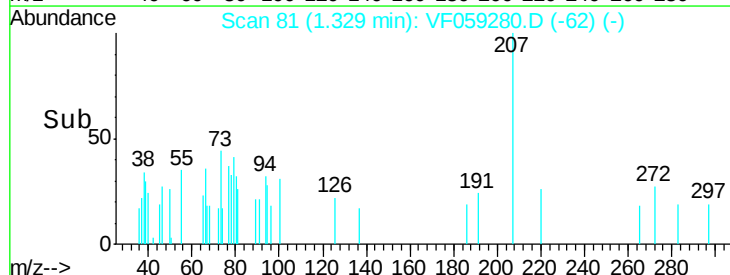
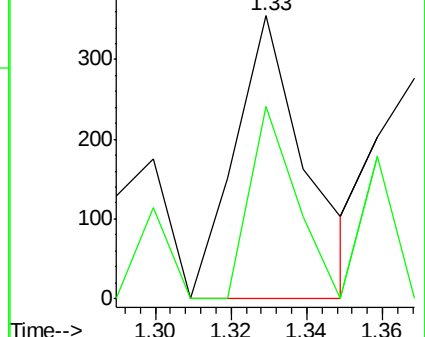
94 100

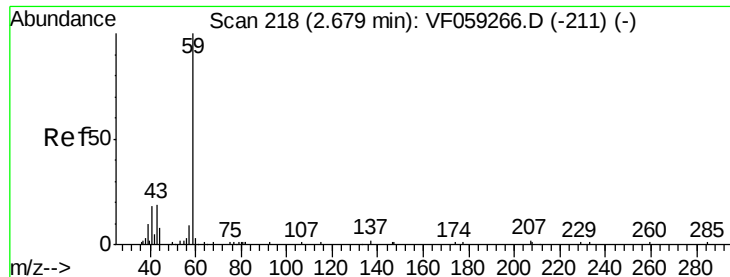
96 68.2 77.7 116.5#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

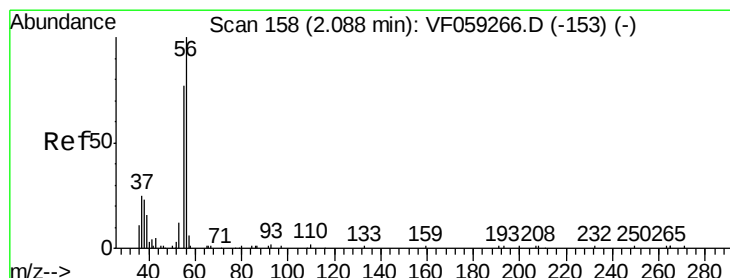
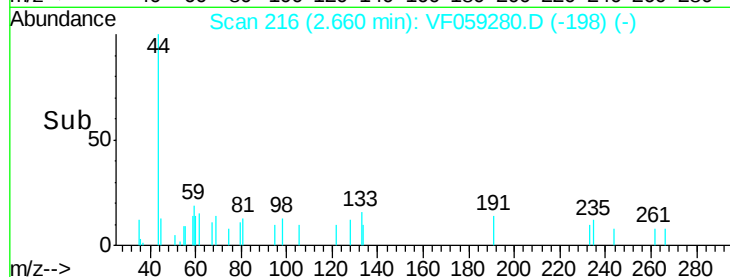
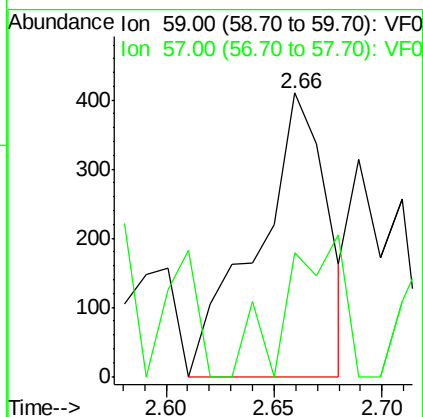
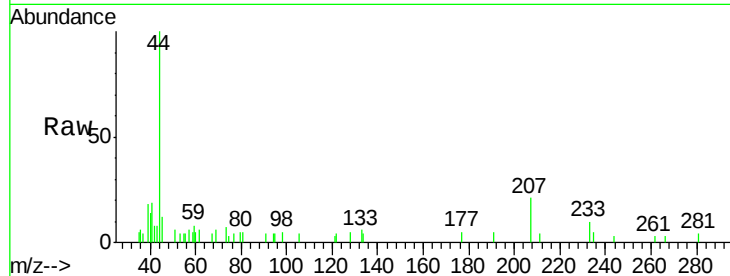




#11
Tert butyl alcohol
Concen: 4.260 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.02 min
Lab File: VF059280.D
Acq: 22 Jun 2018 18:05

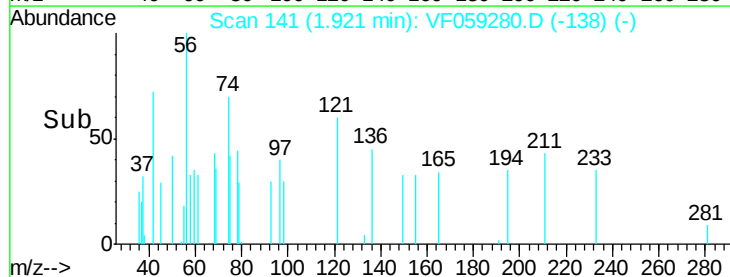
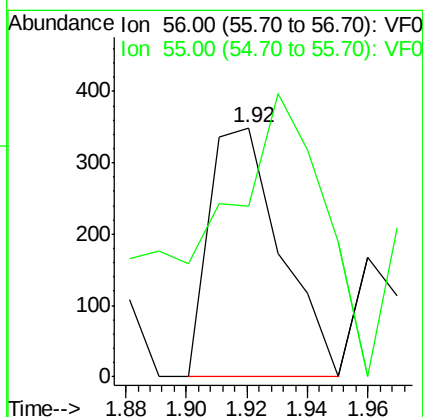
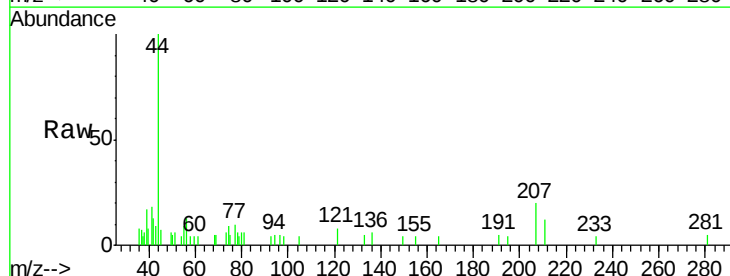
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBL01

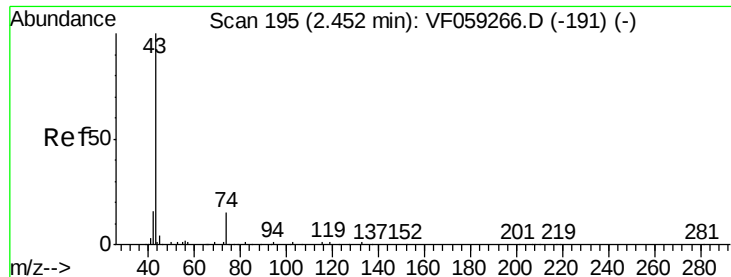
Tgt Ion: 59 Resp: 923
Ion Ratio Lower Upper
59 100
57 43.4 9.2 13.8#



#13
Acrolein
Concen: Below Cal
RT: 1.92 min Scan# 141
Delta R.T. -0.17 min
Lab File: VF059280.D
Acq: 22 Jun 2018 18:05

Tgt Ion: 56 Resp: 577
Ion Ratio Lower Upper
56 100
55 68.5 63.0 94.6

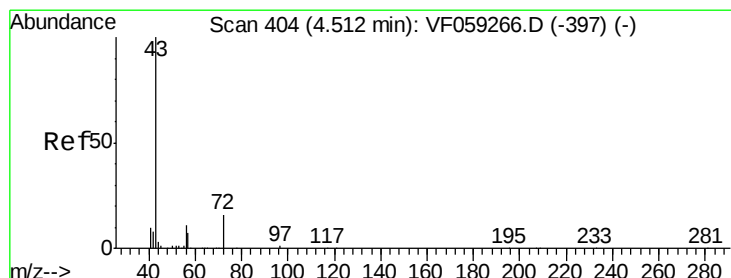
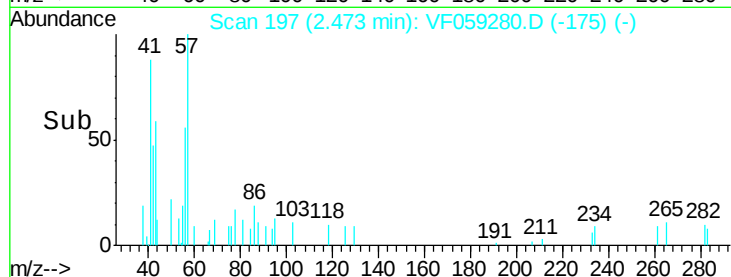
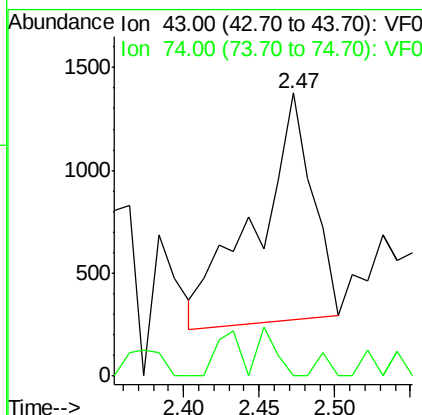
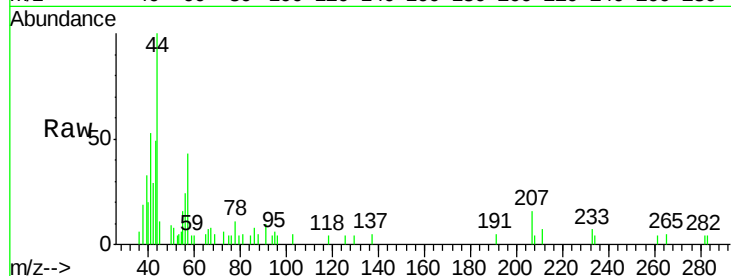




#18
Methyl Acetate
Concen: 1.710 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF059280.D
Acq: 22 Jun 2018 18:05

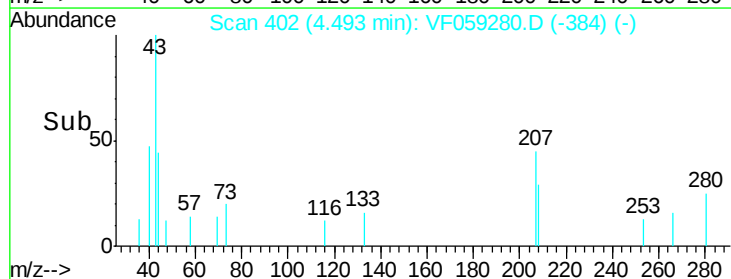
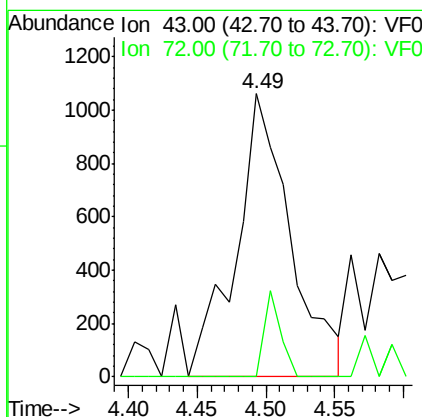
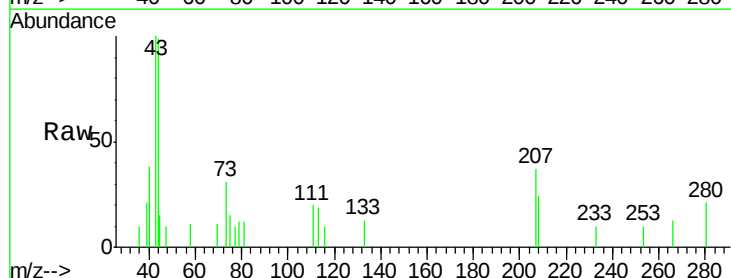
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBL01

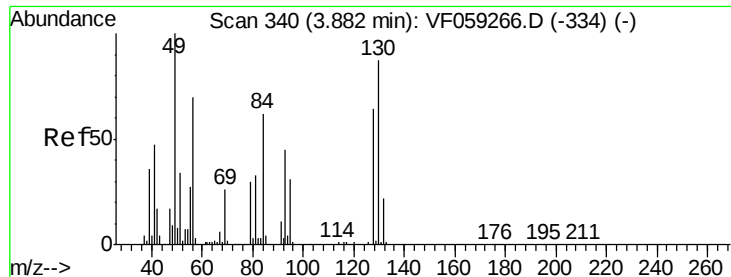
Tgt Ion: 43 Resp: 2833
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.4#



#25
2-Butanone
Concen: 2.509 ug/l
RT: 4.49 min Scan# 402
Delta R.T. -0.02 min
Lab File: VF059280.D
Acq: 22 Jun 2018 18:05

Tgt Ion: 43 Resp: 2941
Ion Ratio Lower Upper
43 100
72 0.0 15.2 22.8#





#28

Bromochloromethane

Concen: Below Cal

RT: 3.90 min Scan# 342

Delta R.T. 0.02 min

Lab File: VF059280.D

Acq: 22 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBL01

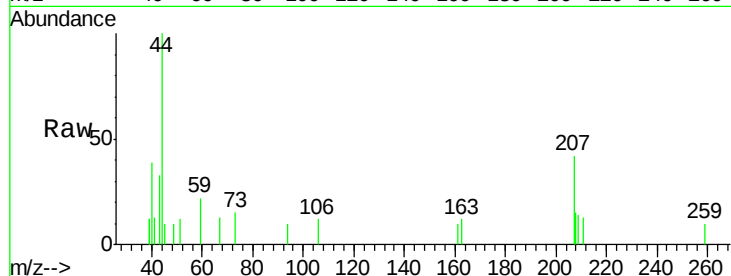
Tgt Ion: 49 Resp: 63

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

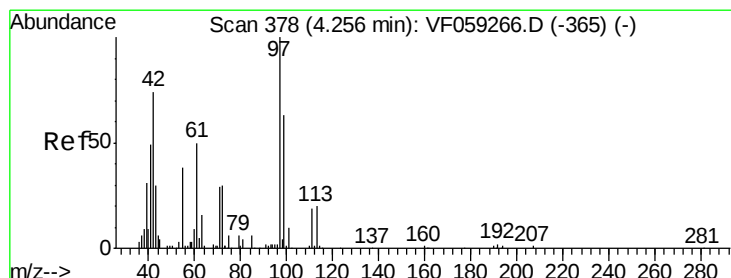
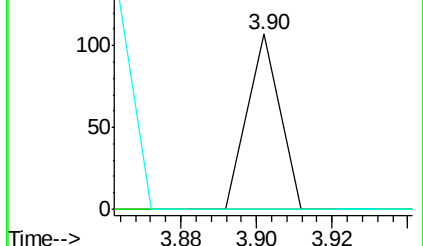
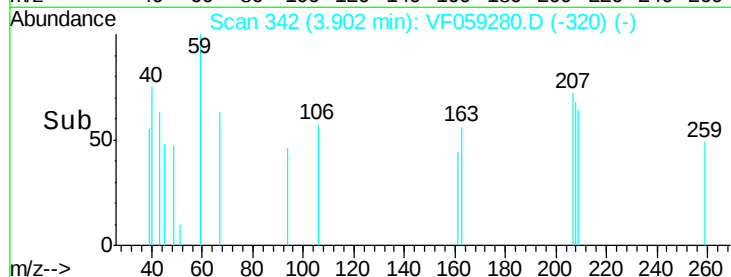
130 0.0 69.4 104.2#



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: 1.643 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059280.D

Acq: 22 Jun 2018 18:05

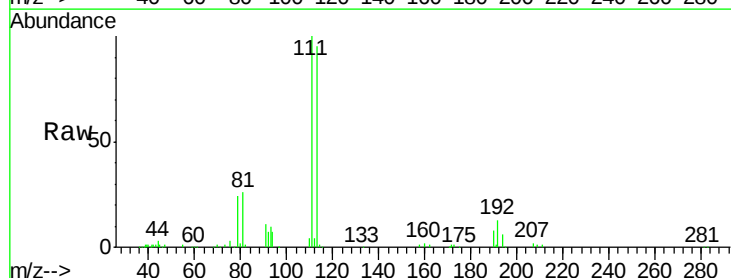
Tgt Ion: 42 Resp: 865

Ion Ratio Lower Upper

42 100

72 10.8 31.2 46.8#

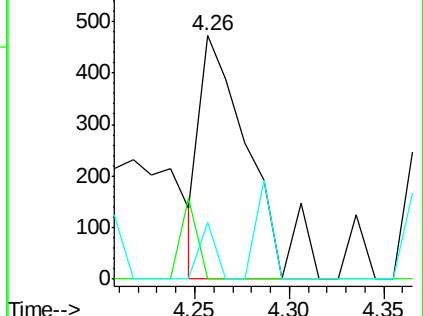
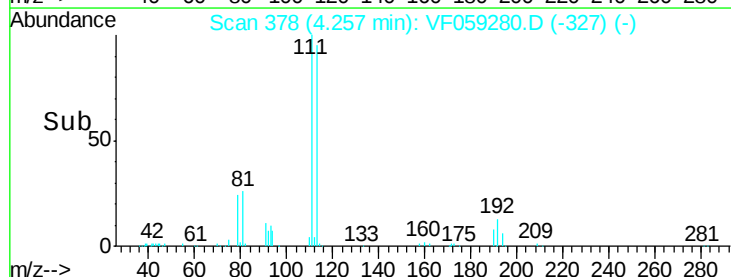
71 7.5 30.2 45.2#

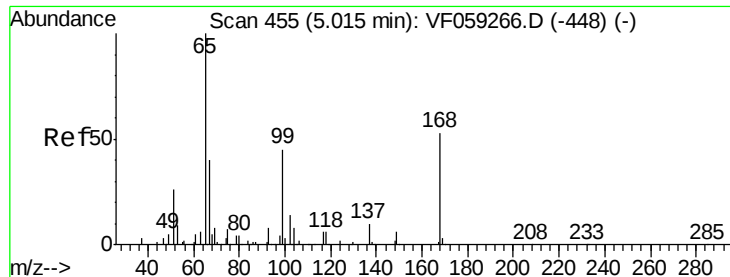


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 50.678 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059280.D

Acq: 22 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

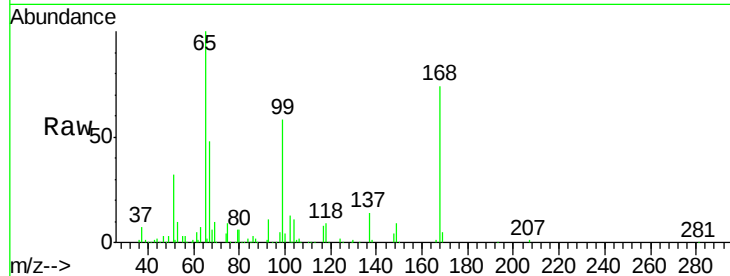
VF0622SBL01

Tgt Ion: 65 Resp: 188449

Ion Ratio Lower Upper

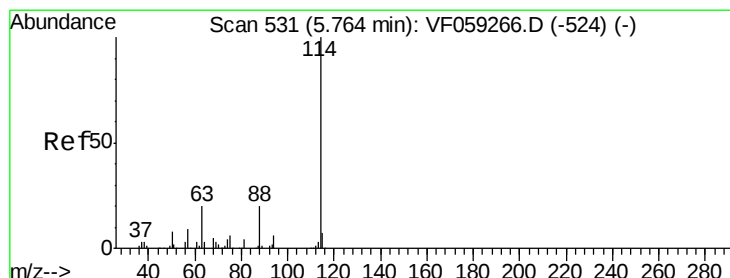
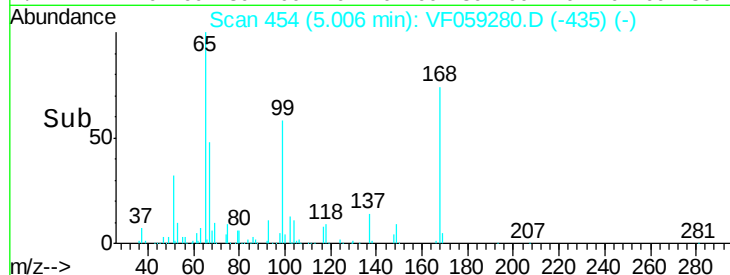
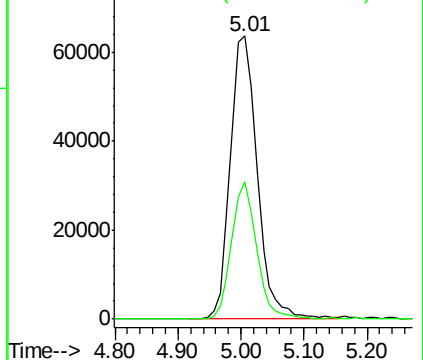
65 100

67 48.3 0.0 95.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 529

Delta R.T. -0.02 min

Lab File: VF059280.D

Acq: 22 Jun 2018 18:05

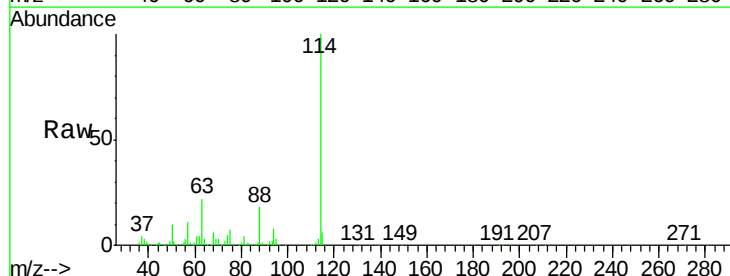
Tgt Ion: 114 Resp: 405588

Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.0

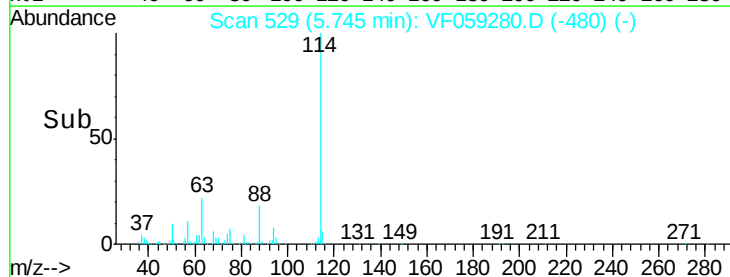
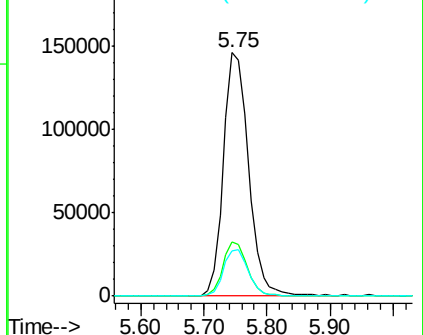
88 18.4 0.0 39.6

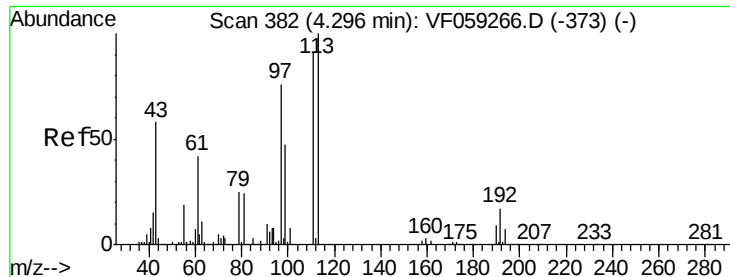


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 50.774 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059280.D

Acq: 22 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBL01

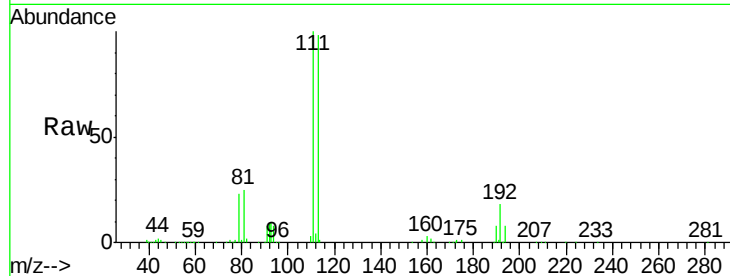
Tgt Ion:113 Resp: 173260

Ion Ratio Lower Upper

113 100

111 102.5 73.1 109.7

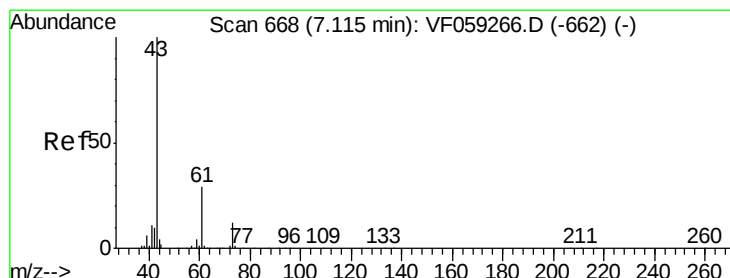
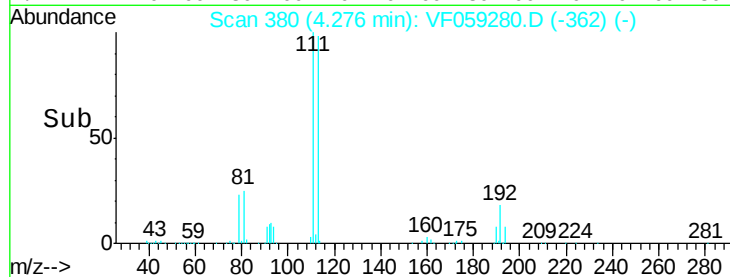
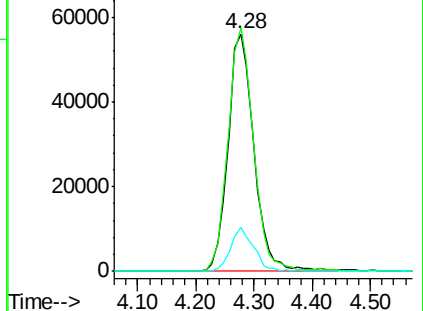
192 18.7 13.9 20.9



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



#43

Isopropyl Acetate

Concen: 1.088 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.02 min

Lab File: VF059280.D

Acq: 22 Jun 2018 18:05

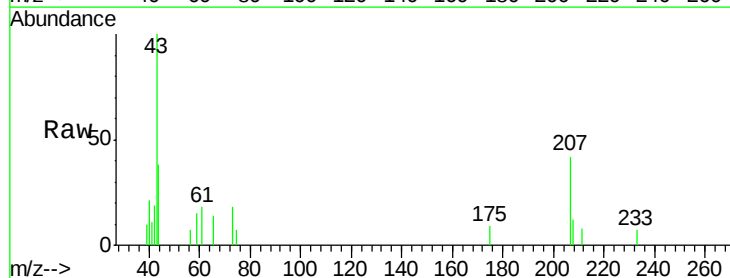
Tgt Ion: 43 Resp: 3630

Ion Ratio Lower Upper

43 100

61 17.7 22.8 34.2#

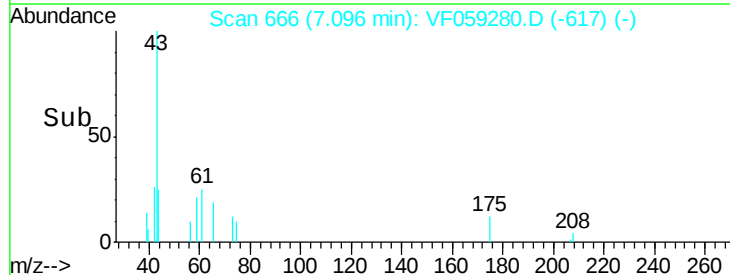
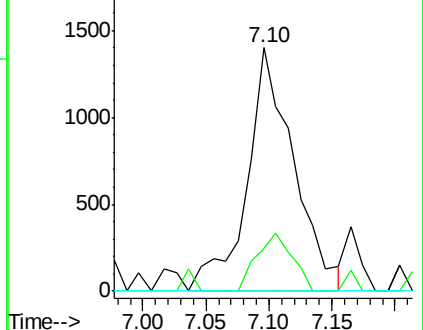
87 0.0 0.3 0.5#

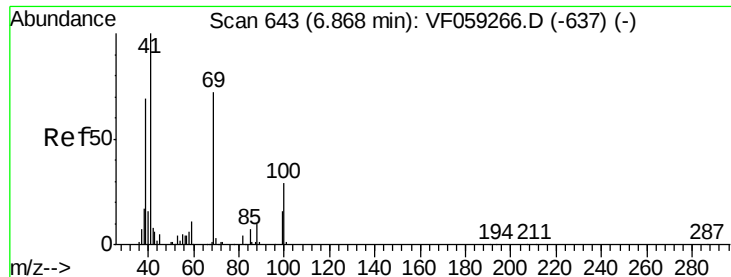


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#49

1,4-Dioxane

Concen: 20.158 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059280.D

Acq: 22 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBL01

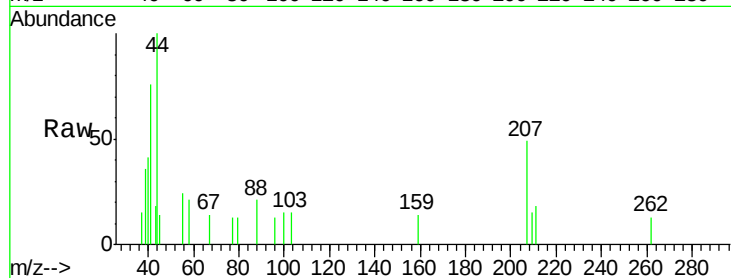
Tgt Ion: 88 Resp: 247

Ion Ratio Lower Upper

88 100

43 84.7 55.5 83.3#

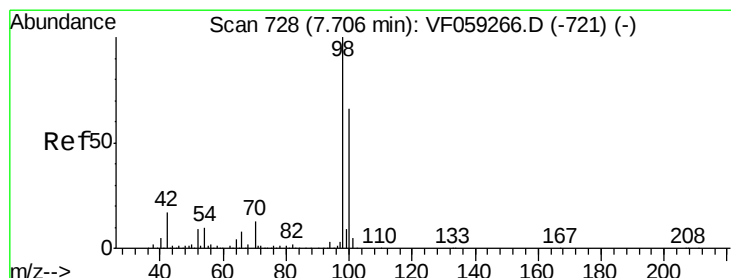
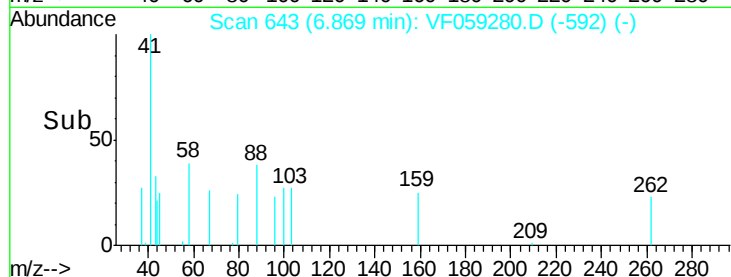
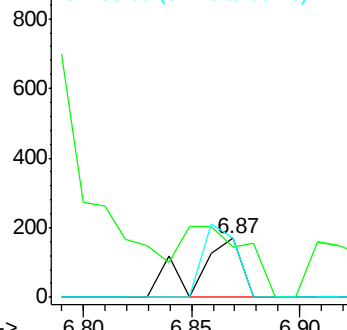
58 100.6 50.1 75.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 48.920 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059280.D

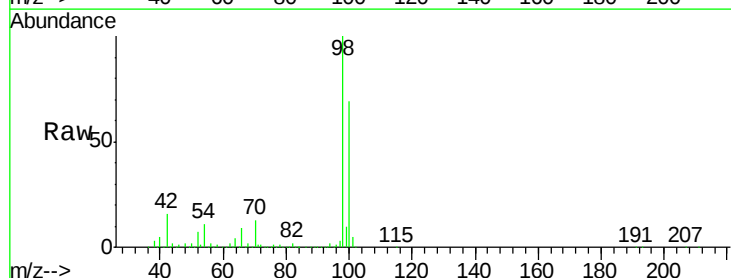
Acq: 22 Jun 2018 18:05

Tgt Ion: 98 Resp: 424621

Ion Ratio Lower Upper

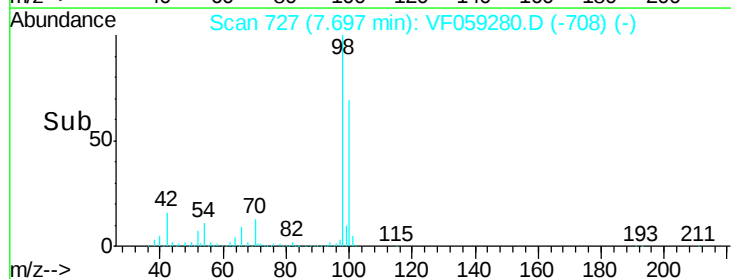
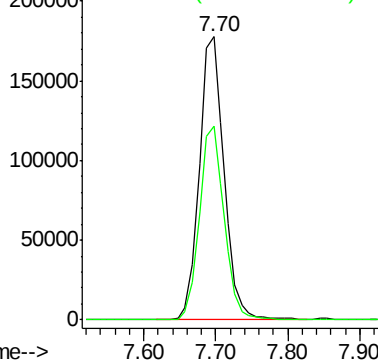
98 100

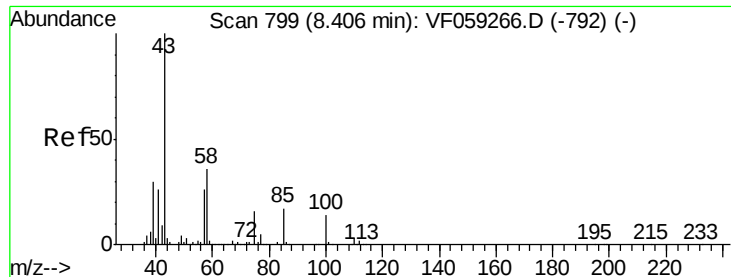
100 68.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

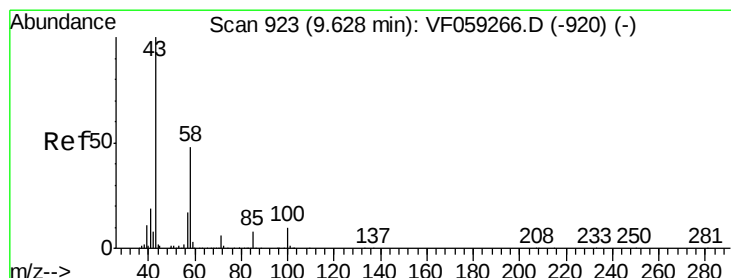
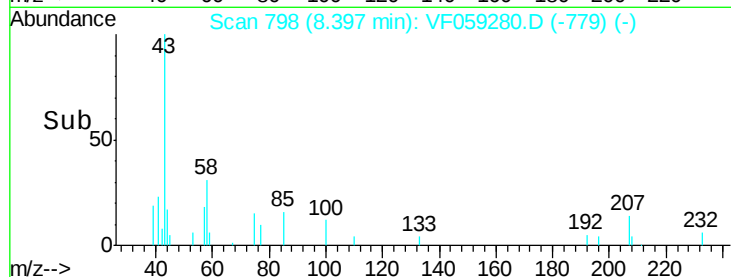
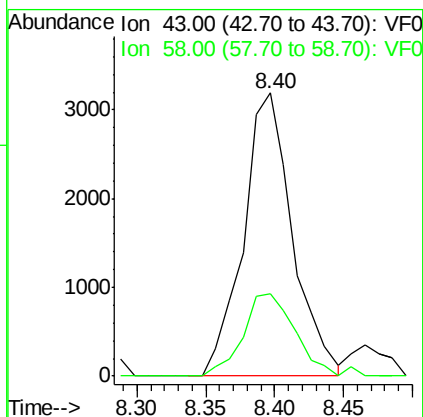
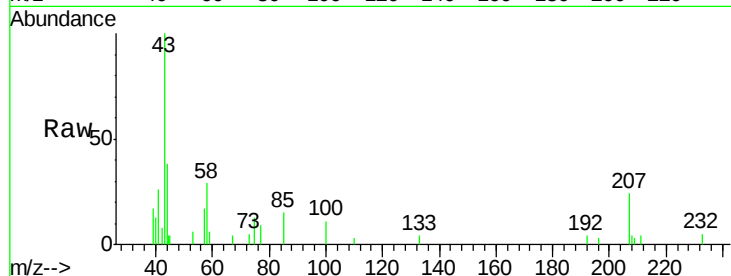




#51
4-Methyl-2-Pentanone
Concen: 3.328 ug/l
RT: 8.40 min Scan# 798
Delta R.T. -0.01 min
Lab File: VF059280.D
Acq: 22 Jun 2018 18:05

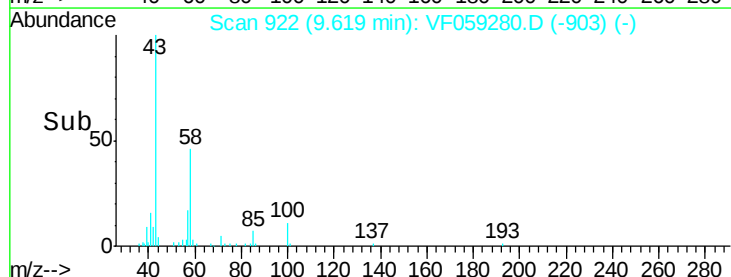
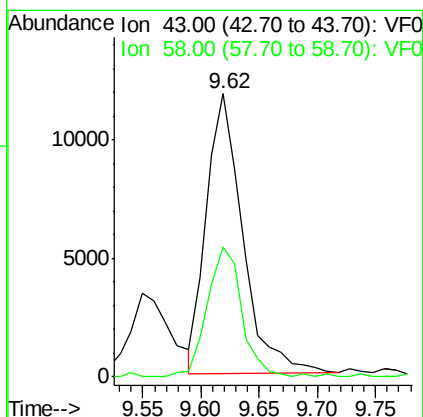
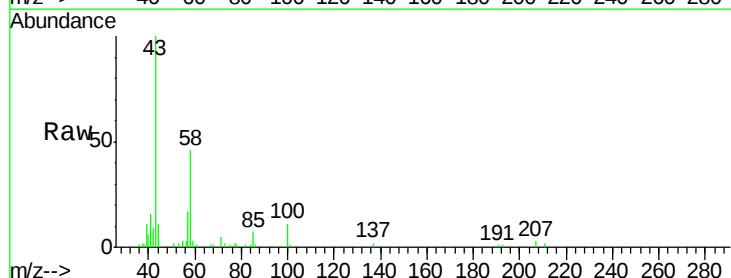
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBL01

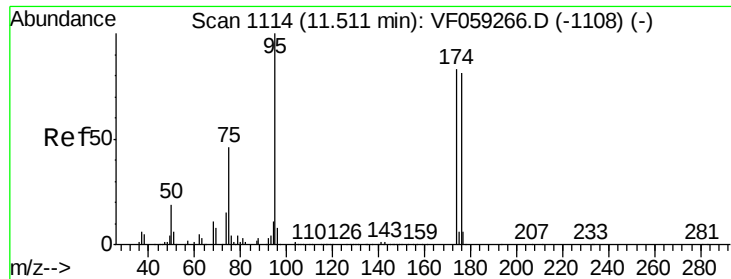
Tgt Ion: 43 Resp: 7921
Ion Ratio Lower Upper
43 100
58 28.9 29.0 43.6#



#59
2-Hexanone
Concen: 13.544 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059280.D
Acq: 22 Jun 2018 18:05

Tgt Ion: 43 Resp: 25557
Ion Ratio Lower Upper
43 100
58 45.6 23.3 69.9

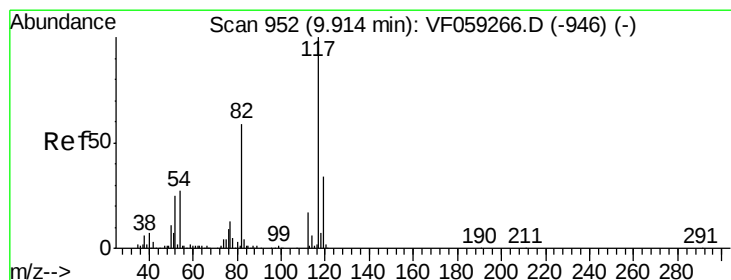
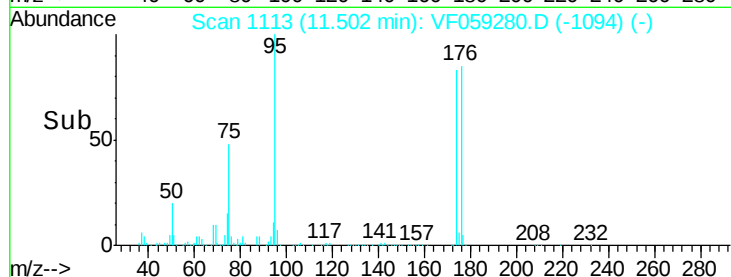
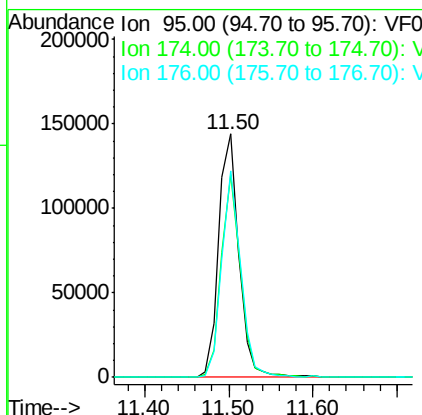
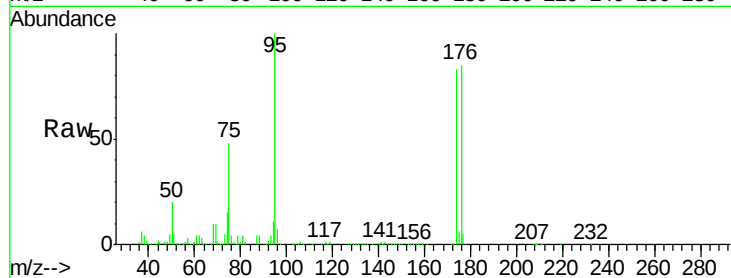




#62
4-Bromofluorobenzene
Concen: 50.539 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059280.D
Acq: 22 Jun 2018 18:05

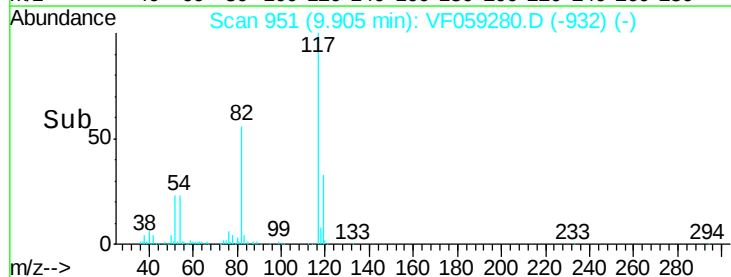
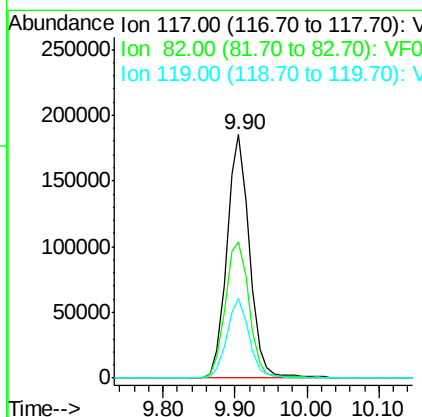
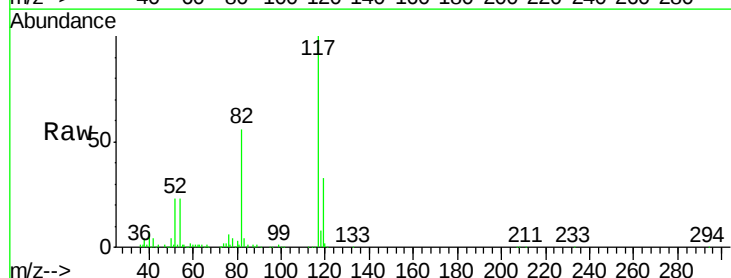
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBL01

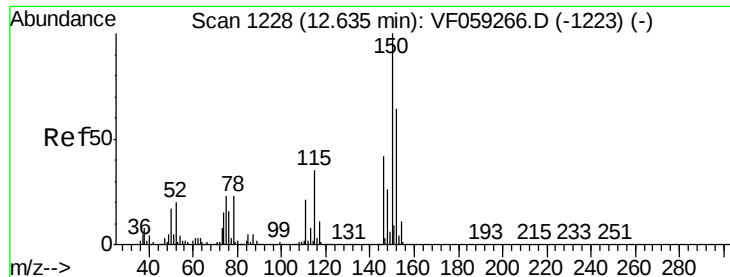
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.2	0.0	166.2
176	84.8	0.0	162.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059280.D
Acq: 22 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.7	47.1	70.7
119	32.9	26.9	40.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059280.D

Acq: 22 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBL01

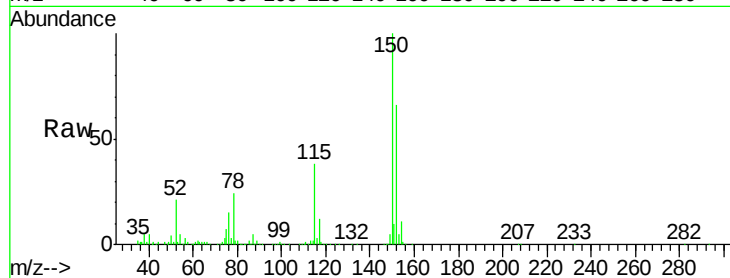
Tgt Ion:152 Resp: 259671

Ion Ratio Lower Upper

152 100

115 57.3 27.8 83.3

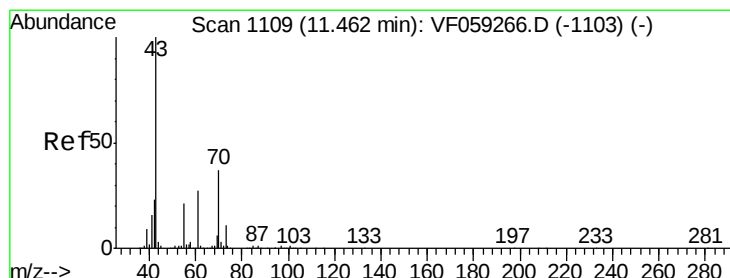
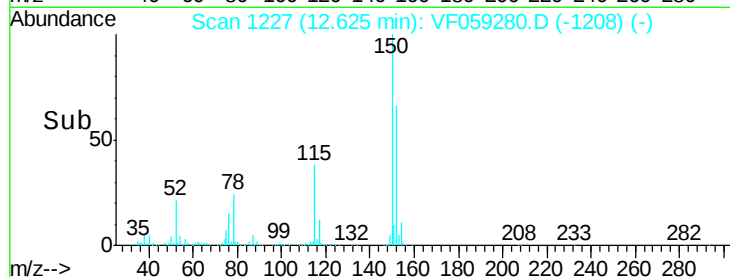
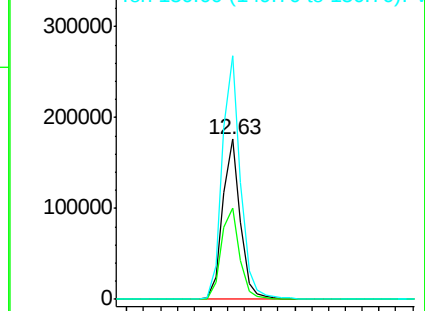
150 152.3 0.0 313.8



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



#74

N-ethyl acetate

Concen: 2.756 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059280.D

Acq: 22 Jun 2018 18:05

Tgt Ion: 43 Resp: 16095

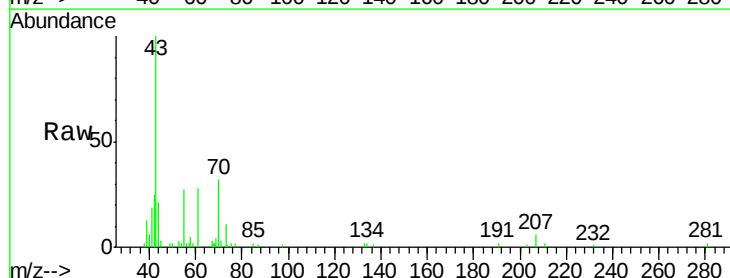
Ion Ratio Lower Upper

43 100

70 31.7 29.6 44.4

55 27.4 17.0 25.4#

61 28.2 21.4 32.2

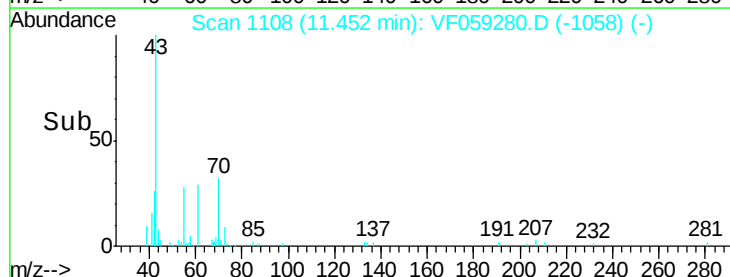
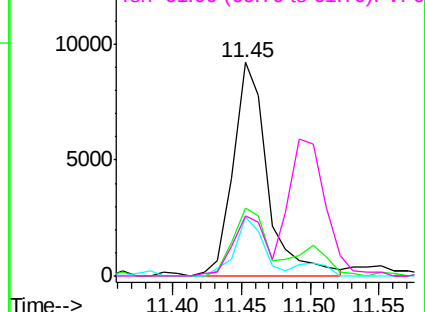


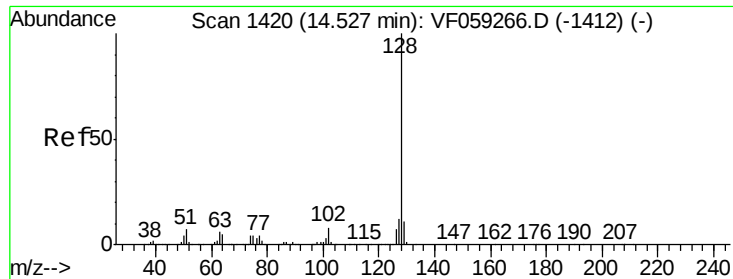
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#95

Naphthalene

Concen: 1.426 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059280.D

Acq: 22 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBL01

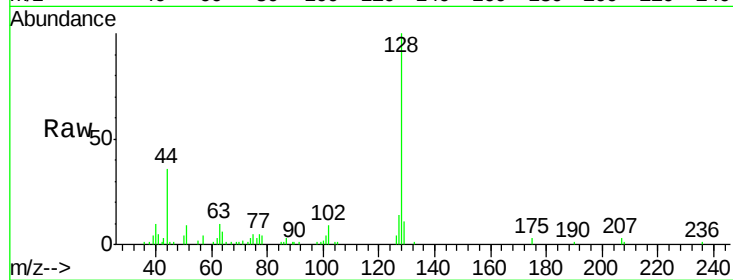
Tgt Ion:128 Resp: 18378

Ion Ratio Lower Upper

128 100

127 14.4 9.6 14.4#

129 11.4 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

