

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072318\
 Data File : VF059632.D
 Acq On : 23 Jul 2018 23:40
 Operator : VA/AP
 Sample : J4095-08
 Misc : 12.39g/5mL/MSVOA_F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CON-SB-08-9-11

Quant Time: Jul 24 04:53:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	233215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	333000	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	311936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	190448	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	105922	28.86	ug/l	0.00
Spiked Amount			Recovery	=	57.72%	
35) Dibromofluoromethane	4.29	113	105722	34.41	ug/l	0.00
Spiked Amount			Recovery	=	68.82%	
50) Toluene-d8	7.70	98	218883	28.45	ug/l	0.00
Spiked Amount			Recovery	=	56.90%	
62) 4-Bromofluorobenzene	11.50	95	121234	27.30	ug/l	0.00
Spiked Amount			Recovery	=	54.60%	

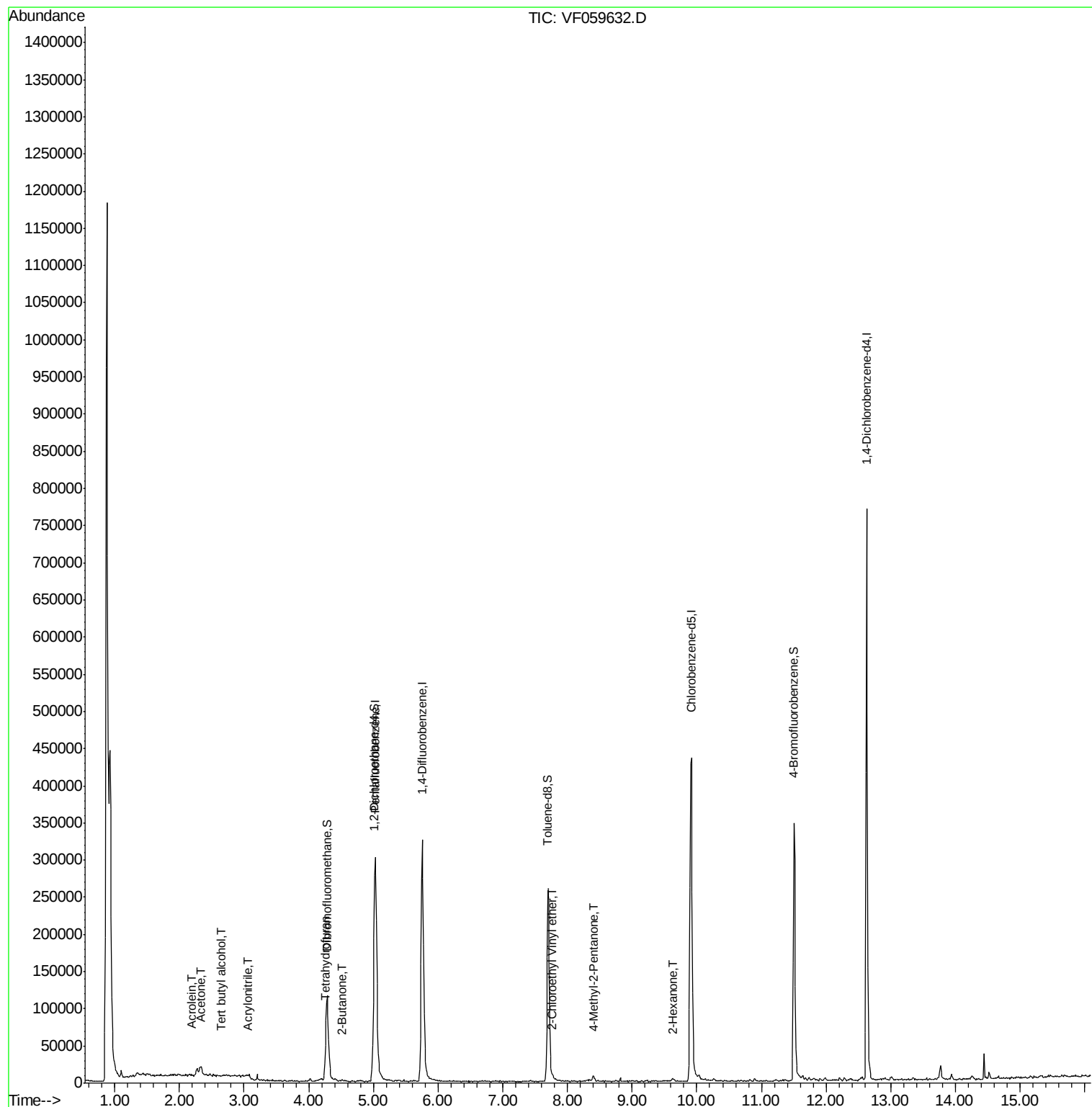
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.65	59	382	2.557	ug/l #	1
13) Acrolein	2.20	56	266	3.551	ug/l	87
15) Acrylonitrile	3.05	53	1089	4.726	ug/l #	51
16) Acetone	2.34	43	19295	30.664	ug/l #	91
18) Methyl Acetate	2.47	43	2630	Below Cal	#	65
20) Methylene Chloride	2.28	84	6245	Below Cal		81
25) 2-Butanone	4.50	43	2805	4.324	ug/l #	62
29) Tetrahydrofuran	4.25	42	500	1.902	ug/l #	52
49) 1,4-Dioxane	6.86	88	63	Below Cal	#	16
51) 4-Methyl-2-Pentanone	8.40	43	5852	4.636	ug/l #	79
58) 2-Chloroethyl Vinyl ether	7.78	63	229	1.107	ug/l	100
59) 2-Hexanone	9.62	43	4027	3.931	ug/l	68

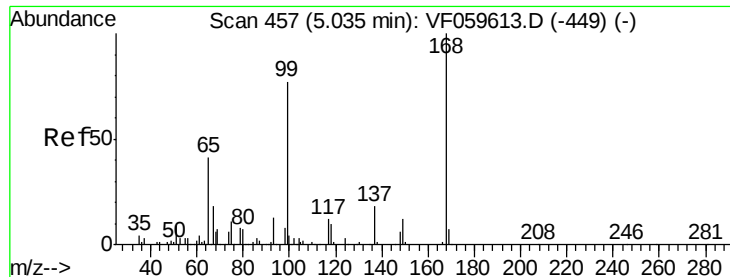
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF072318\
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Quant Title : SW846 8260
QLast Update : Tue Jul 24 04:17:55 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059632.D

Acq: 23 Jul 2018 23:40

Instrument :

MSVOA_F

ClientSampleId :

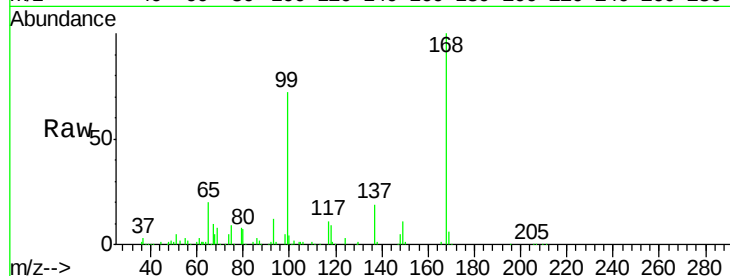
CON-SB-08-9-11

Tgt Ion:168 Resp: 233215

Ion Ratio Lower Upper

168 100

99 72.0 61.5 92.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

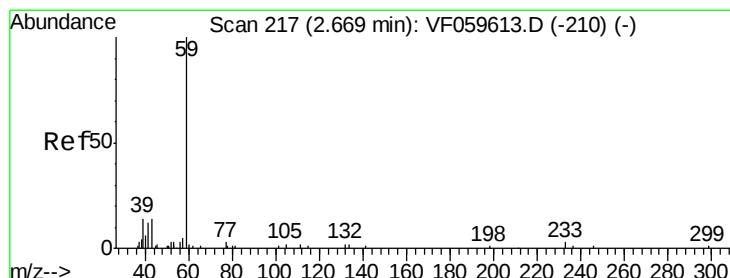
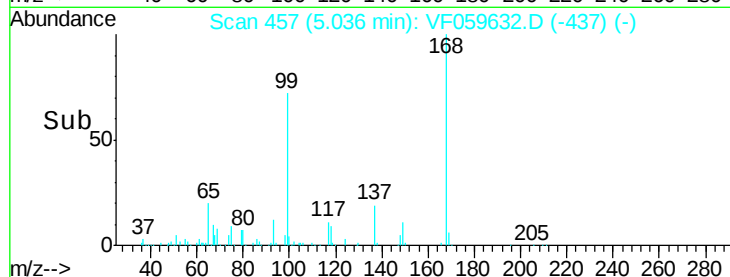
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 2.557 ug/l

RT: 2.65 min Scan# 215

Delta R.T. -0.02 min

Lab File: VF059632.D

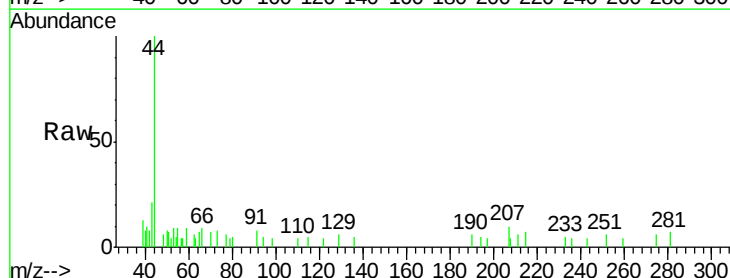
Acq: 23 Jul 2018 23:40

Tgt Ion: 59 Resp: 382

Ion Ratio Lower Upper

59 100

57 49.3 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.65

300

250

200

150

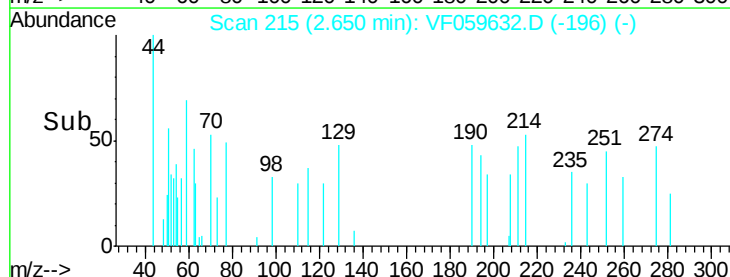
100

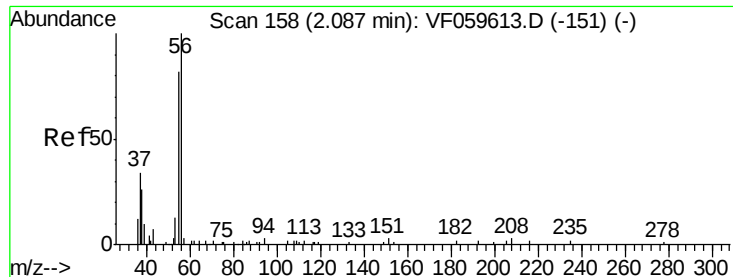
50

0

Time-->

2.62 2.64 2.66 2.68 2.70

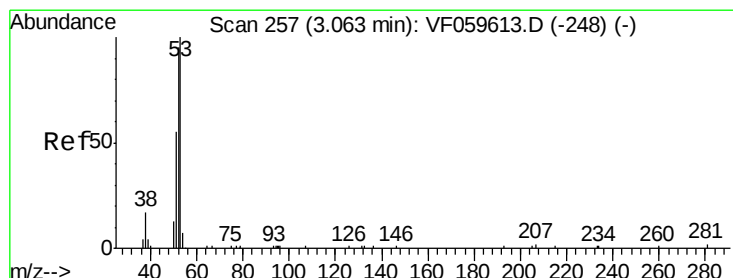
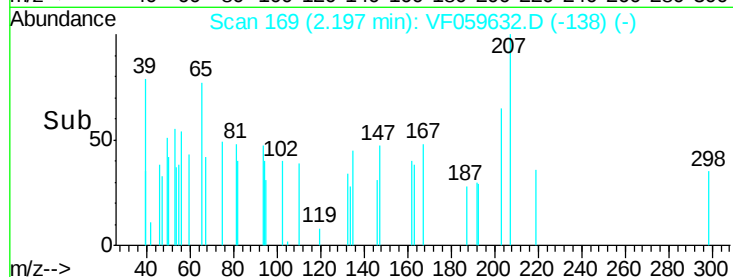
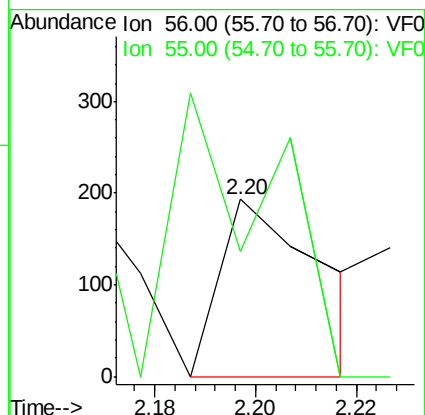
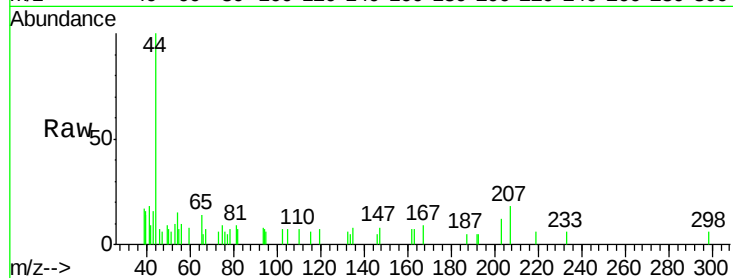




#13
Acrolein
Concen: 3.551 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.11 min
Lab File: VF059632.D
Acq: 23 Jul 2018 23:40

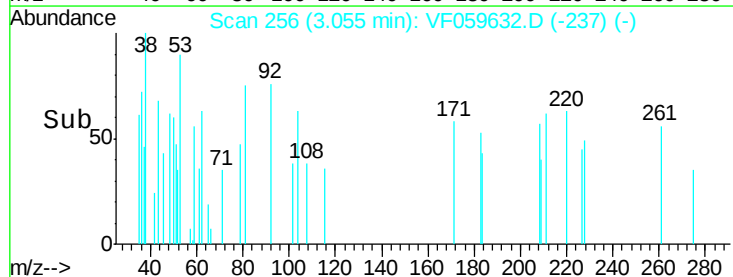
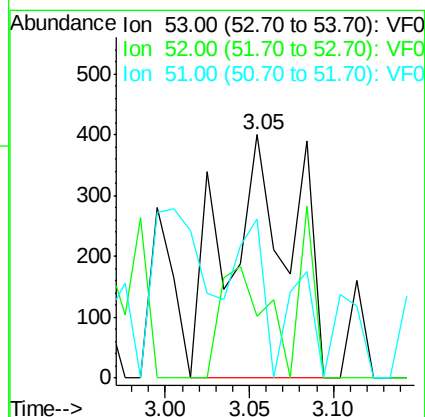
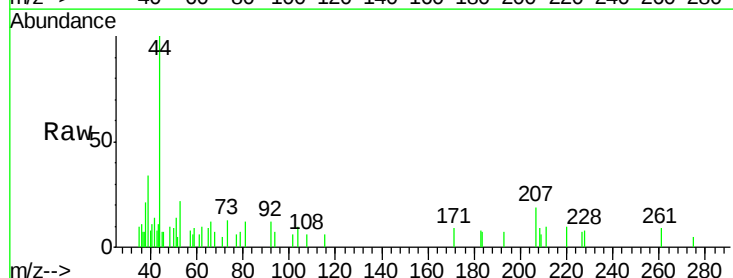
Instrument :
MSVOA_F
ClientSampleId :
CON-SB-08-9-11

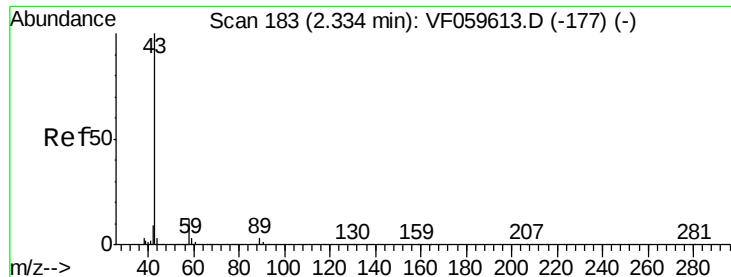
Tgt Ion: 56 Resp: 266
Ion Ratio Lower Upper
56 100
55 70.5 65.6 98.4



#15
Acrylonitrile
Concen: 4.726 ug/l
RT: 3.05 min Scan# 256
Delta R.T. -0.01 min
Lab File: VF059632.D
Acq: 23 Jul 2018 23:40

Tgt Ion: 53 Resp: 1089
Ion Ratio Lower Upper
53 100
52 25.3 76.2 114.2#
51 65.3 45.8 68.8

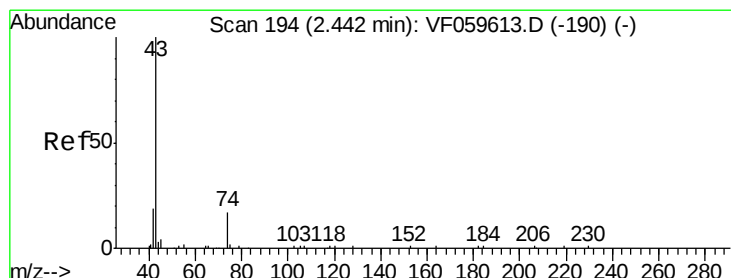
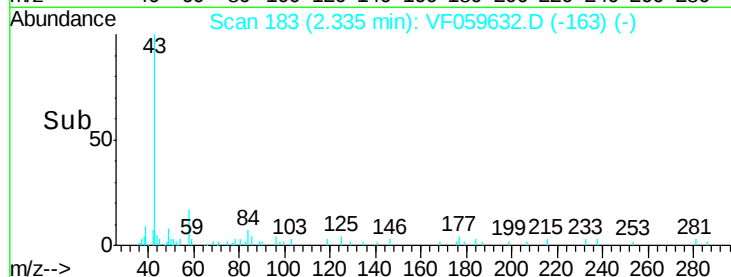
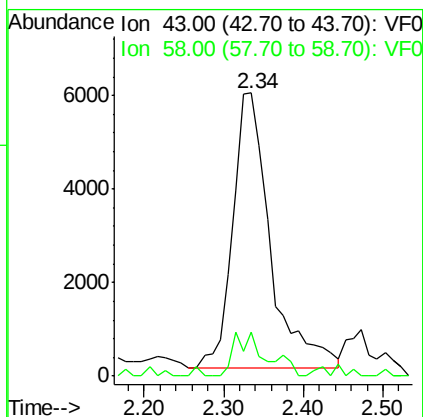
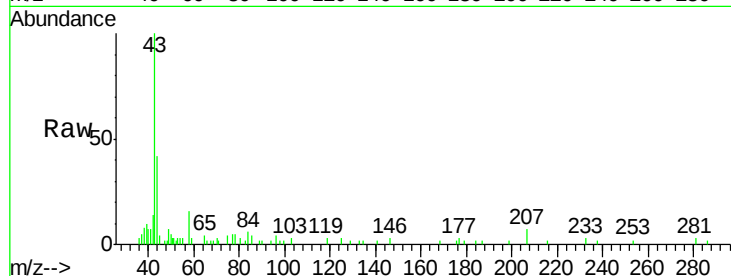




#16
Acetone
Concen: 30.664 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF059632.D
Acq: 23 Jul 2018 23:40

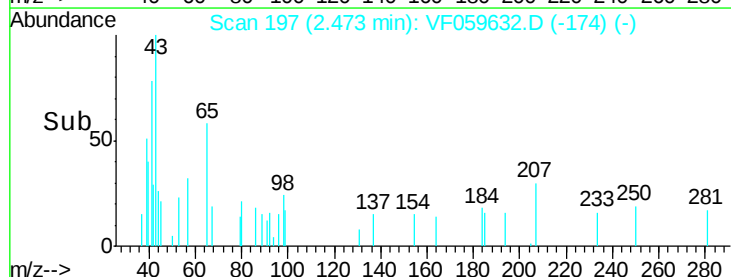
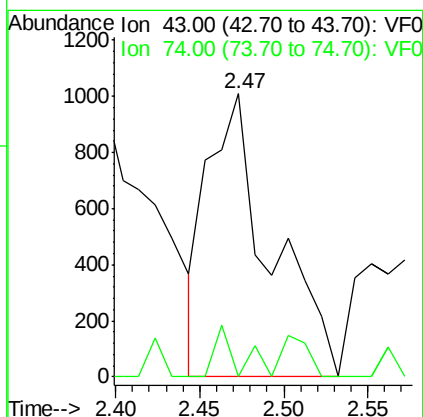
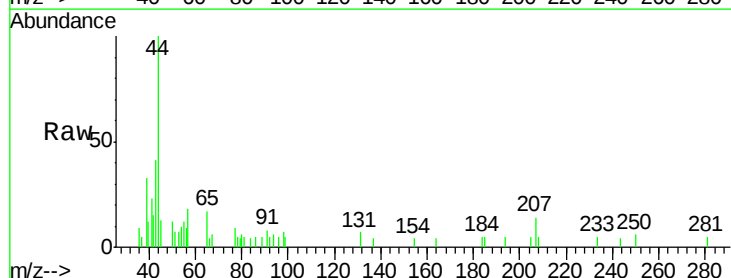
Instrument :
MSVOA_F
ClientSampleId :
CON-SB-08-9-11

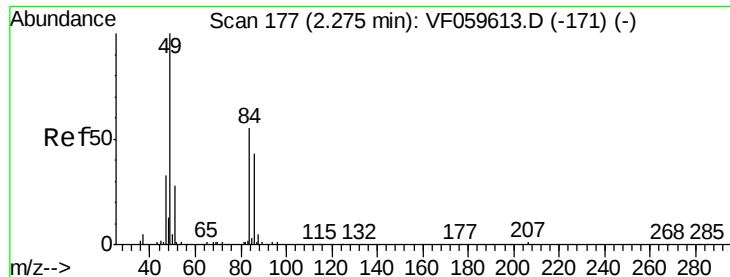
Tgt Ion: 43 Resp: 19295
Ion Ratio Lower Upper
43 100
58 15.7 9.8 14.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.47 min Scan# 197
Delta R.T. 0.03 min
Lab File: VF059632.D
Acq: 23 Jul 2018 23:40

Tgt Ion: 43 Resp: 2630
Ion Ratio Lower Upper
43 100
74 0.0 11.4 17.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.28 min Scan# 177

Delta R.T. 0.00 min

Lab File: VF059632.D

Acq: 23 Jul 2018 23:40

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-08-9-11

Tgt Ion: 84 Resp: 6245

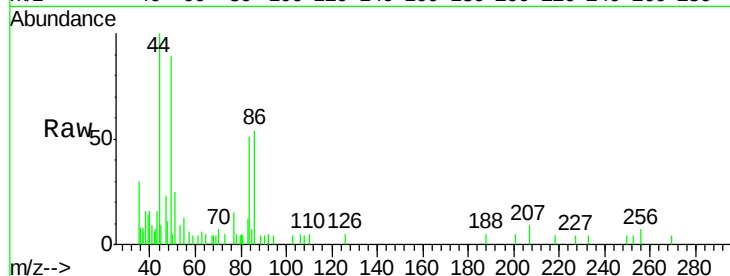
Ion Ratio Lower Upper

84 100

49 154.1 148.6 222.8

51 42.7 42.7 64.1

86 93.4 63.0 94.6

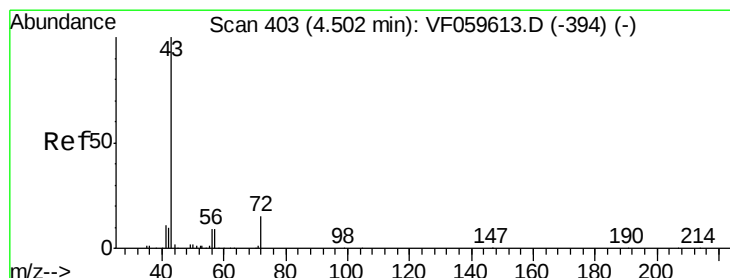
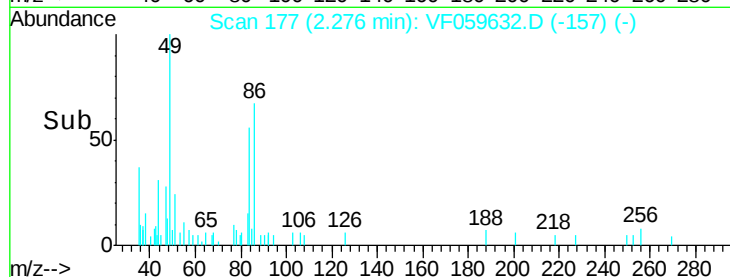
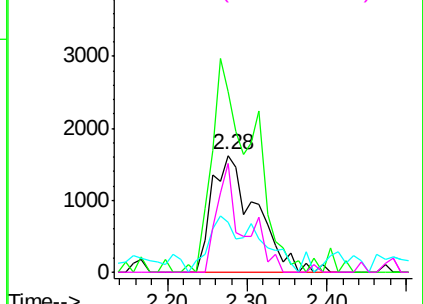


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 4.324 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059632.D

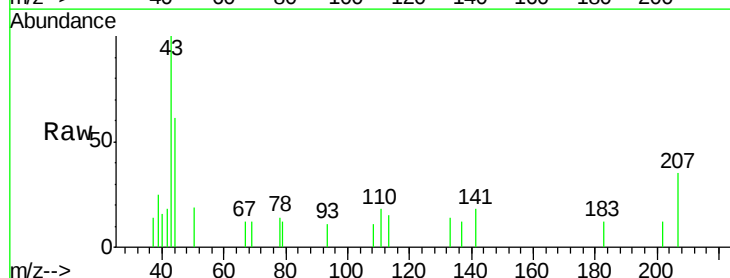
Acq: 23 Jul 2018 23:40

Tgt Ion: 43 Resp: 2805

Ion Ratio Lower Upper

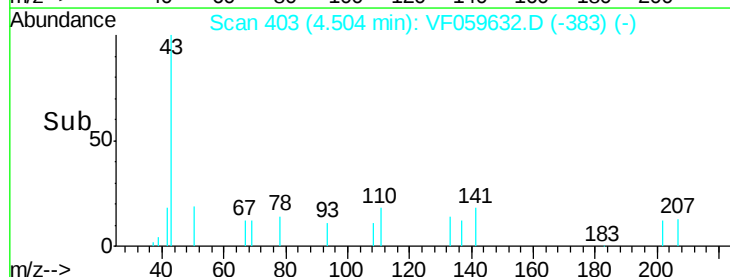
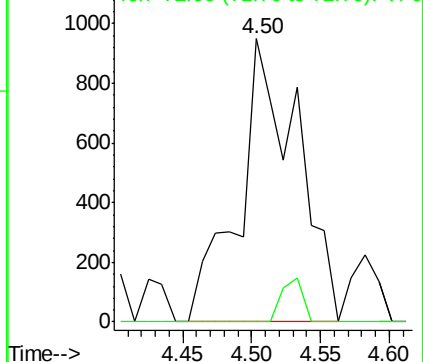
43 100

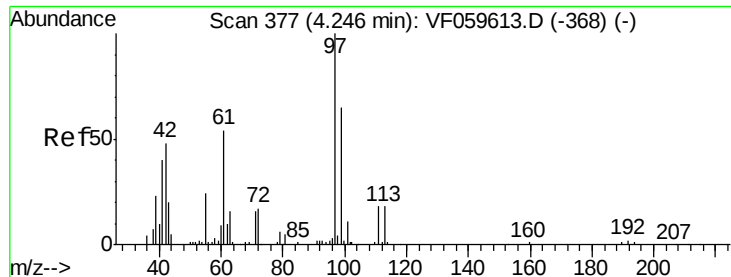
72 0.0 12.9 19.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 1.902 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.00 min

Lab File: VF059632.D

Acq: 23 Jul 2018 23:40

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-08-9-11

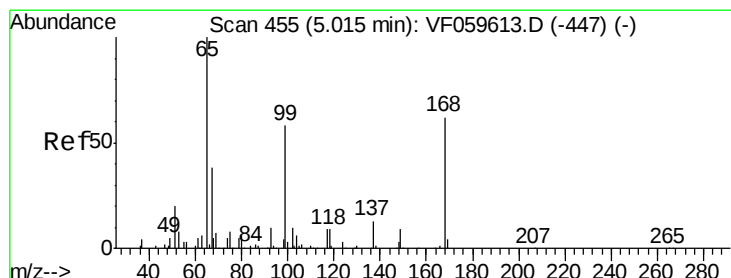
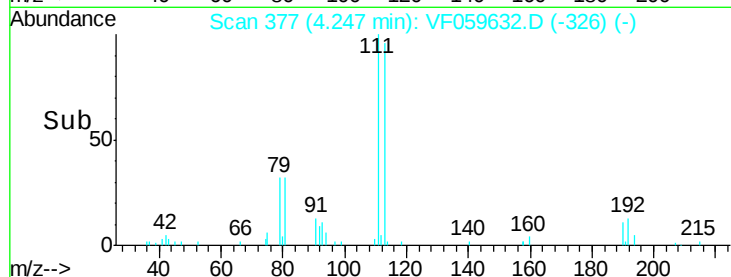
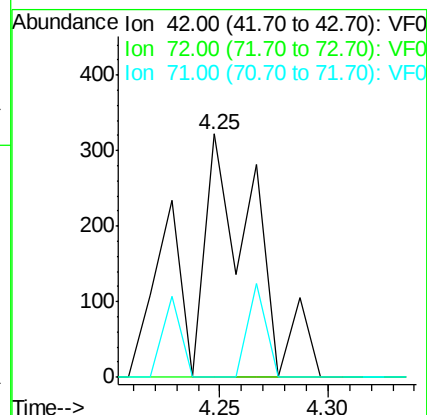
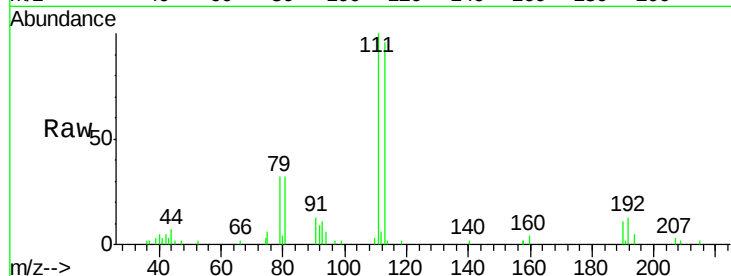
Tgt Ion: 42 Resp: 500

Ion Ratio Lower Upper

42 100

72 0.0 27.9 41.9#

71 14.6 29.3 43.9#



#33

1,2-Dichloroethane-d4

Concen: 28.862 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059632.D

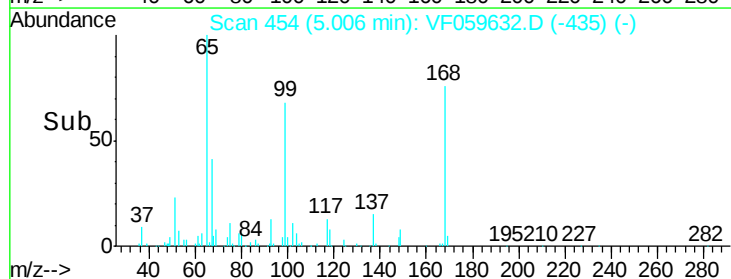
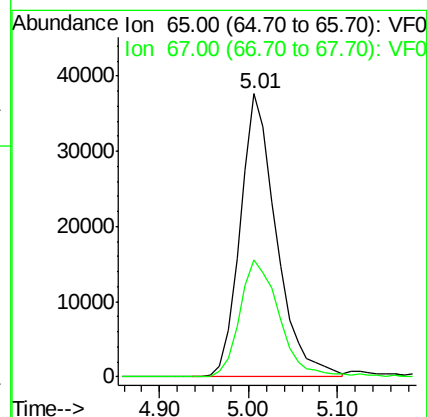
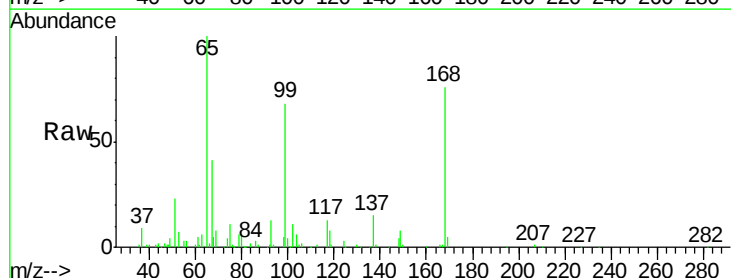
Acq: 23 Jul 2018 23:40

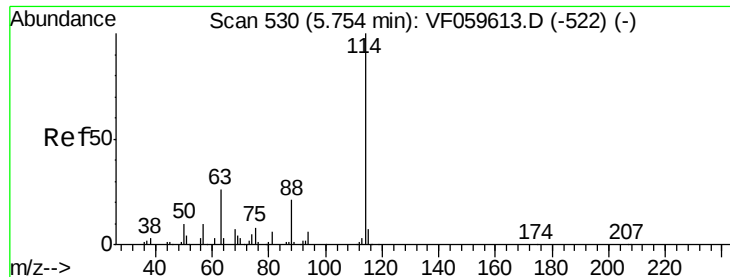
Tgt Ion: 65 Resp: 105922

Ion Ratio Lower Upper

65 100

67 41.4 0.0 83.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.00 min

Lab File: VF059632.D

Acq: 23 Jul 2018 23:40

Instrument :

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ClientSampleId :

CON-SB-08-9-11

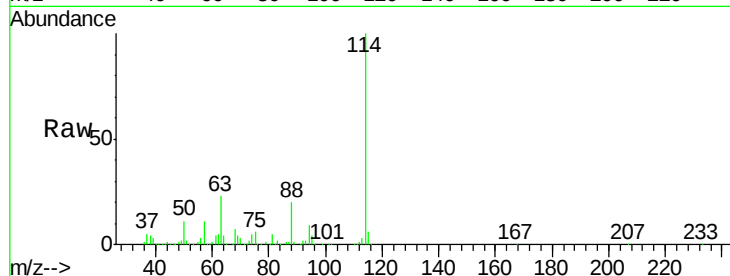
Tgt Ion:114 Resp: 333000

Ion Ratio Lower Upper

114 100

63 22.8 0.0 51.8

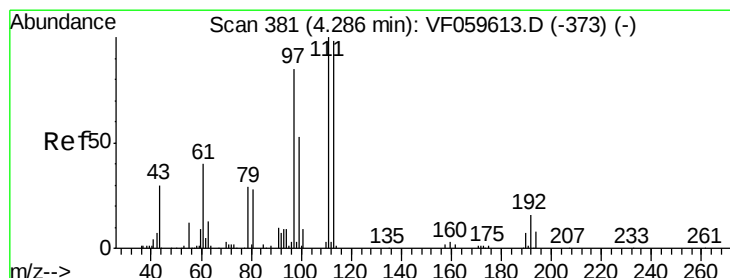
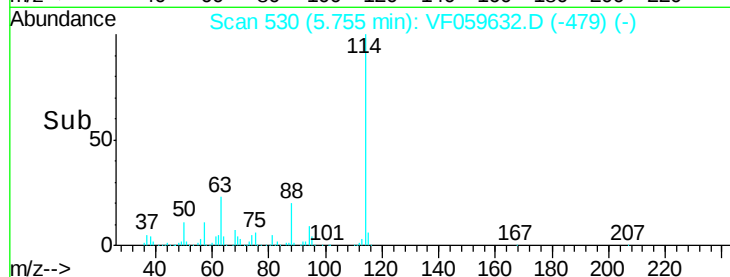
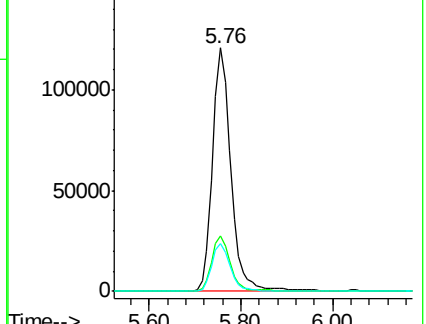
88 19.8 0.0 42.8



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: 34.410 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059632.D

Acq: 23 Jul 2018 23:40

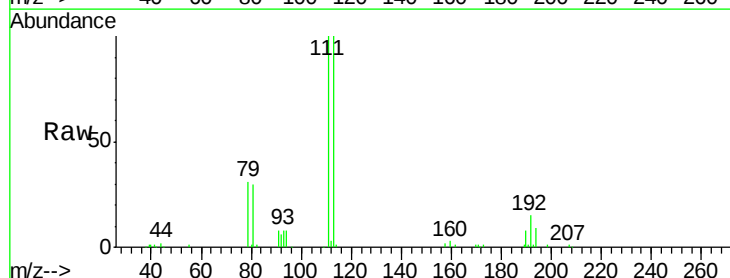
Tgt Ion:113 Resp: 105722

Ion Ratio Lower Upper

113 100

111 99.6 81.5 122.3

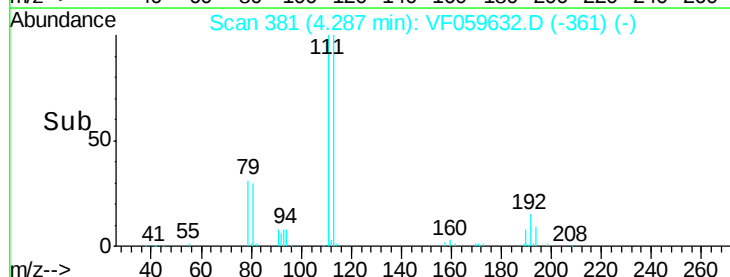
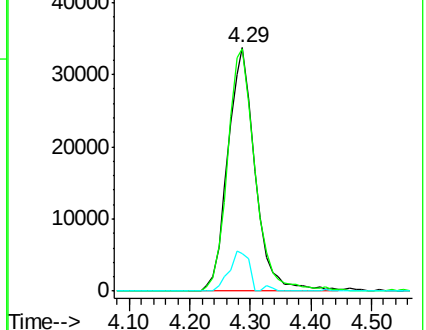
192 15.3 13.4 20.2

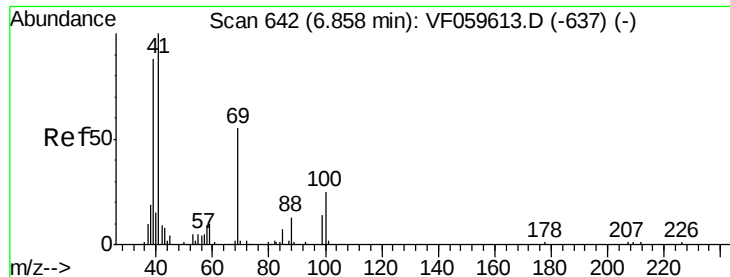


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF059632.D

Acq: 23 Jul 2018 23:40

Instrument :

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CON-SB-08-9-11

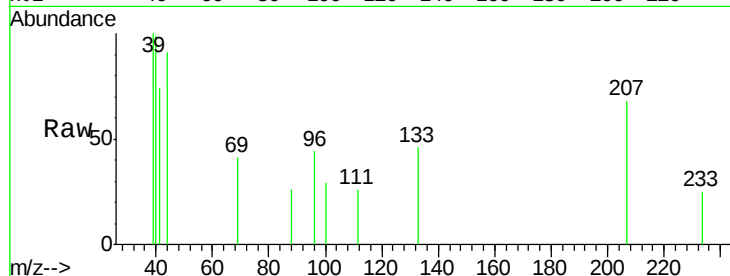
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 0.0 54.2 81.4#

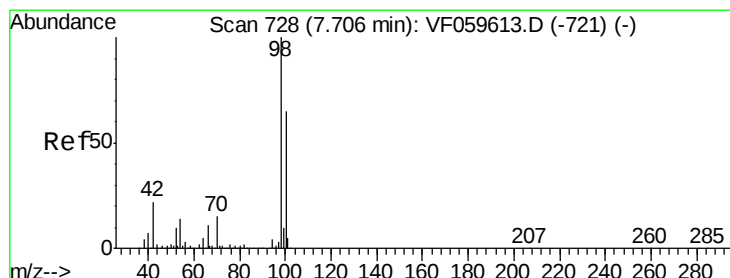
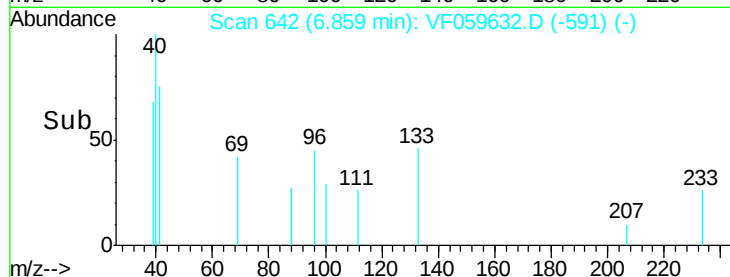
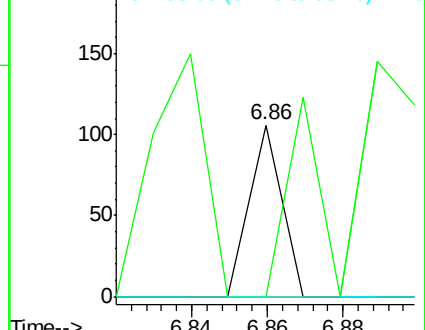
58 0.0 54.3 81.5#



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: 28.454 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059632.D

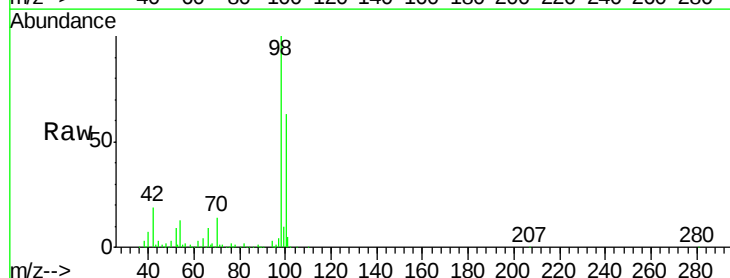
Acq: 23 Jul 2018 23:40

Tgt Ion: 98 Resp: 218883

Ion Ratio Lower Upper

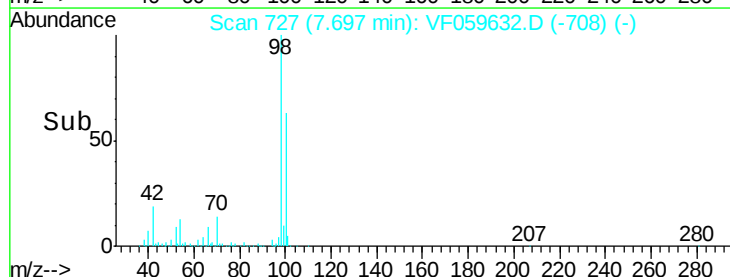
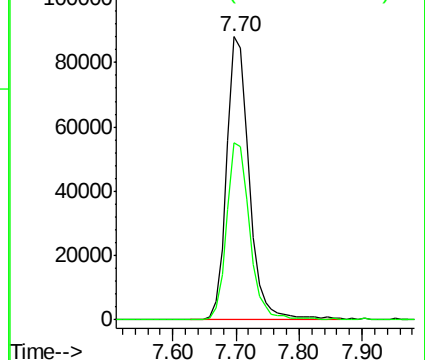
98 100

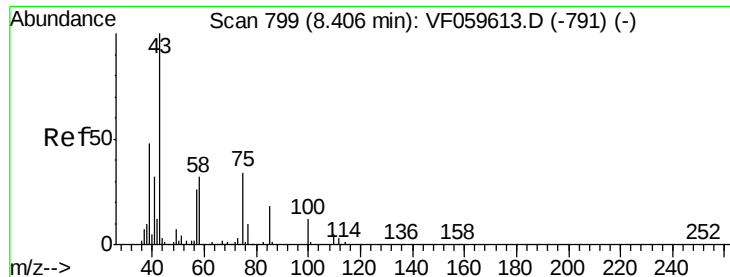
100 62.7 51.6 77.4



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: 4.636 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059632.D

Acq: 23 Jul 2018 23:40

Instrument :

MSVOA_F

ClientSampleId :

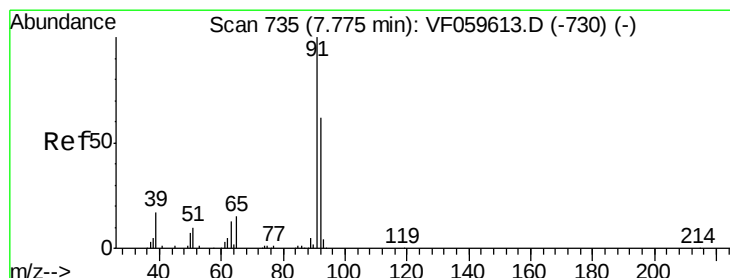
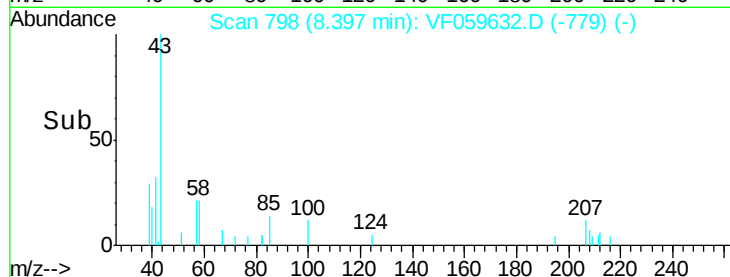
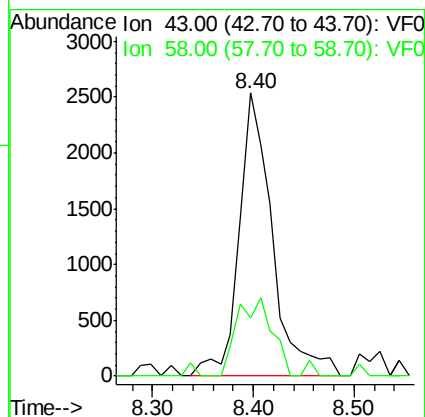
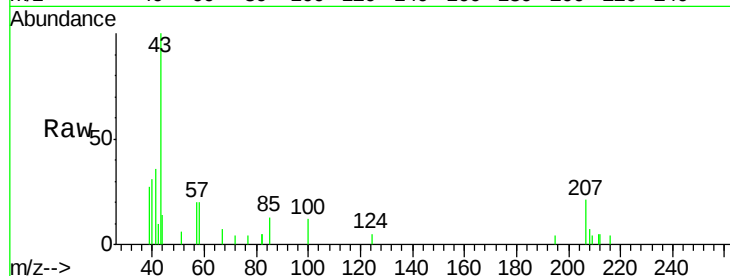
CON-SB-08-9-11

Tgt Ion: 43 Resp: 5852

Ion Ratio Lower Upper

43 100

58 20.4 25.8 38.6#



#58

2-Chloroethyl Vinyl ether

Concen: 1.107 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059632.D

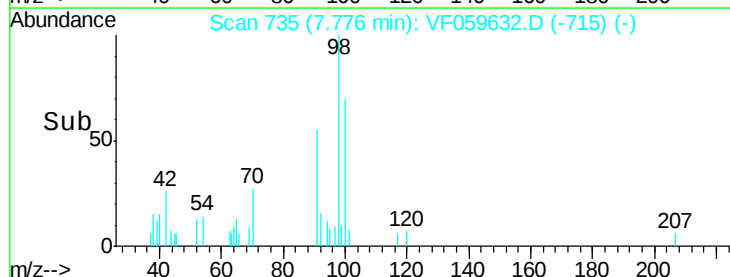
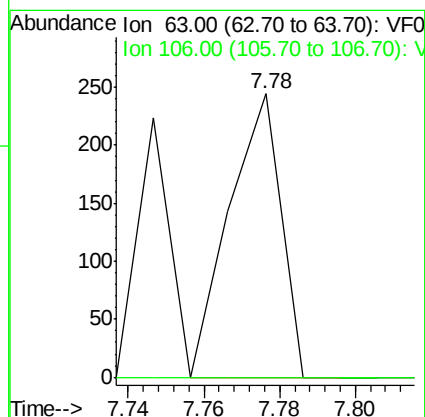
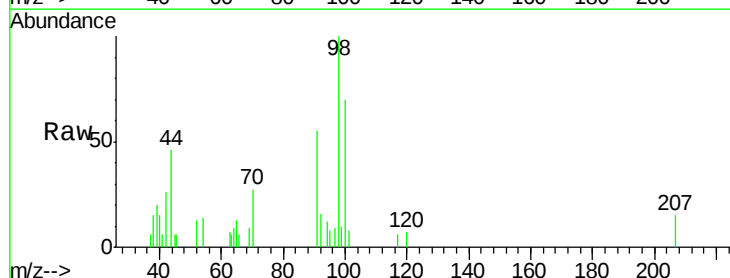
Acq: 23 Jul 2018 23:40

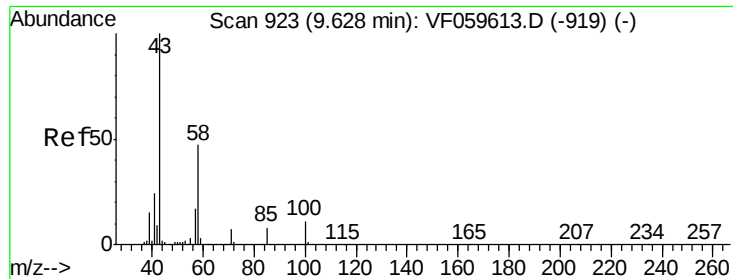
Tgt Ion: 63 Resp: 229

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

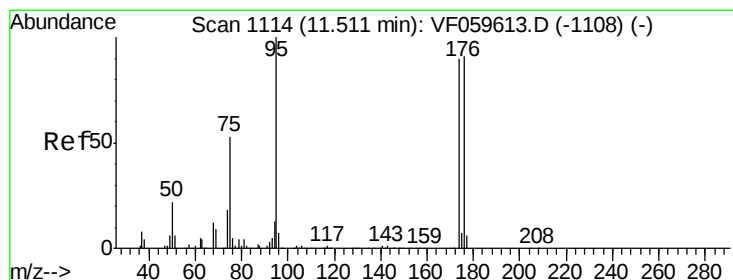
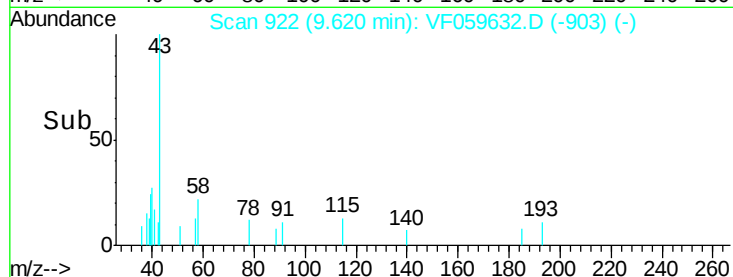
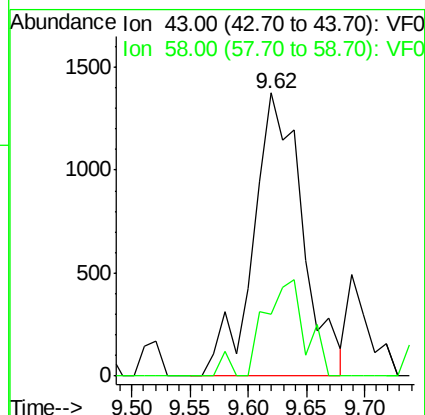
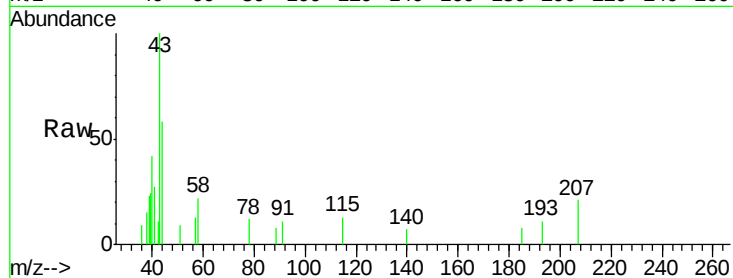




#59
2-Hexanone
Concen: 3.931 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059632.D
Acq: 23 Jul 2018 23:40

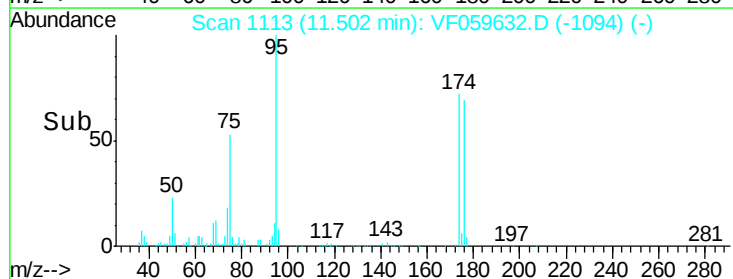
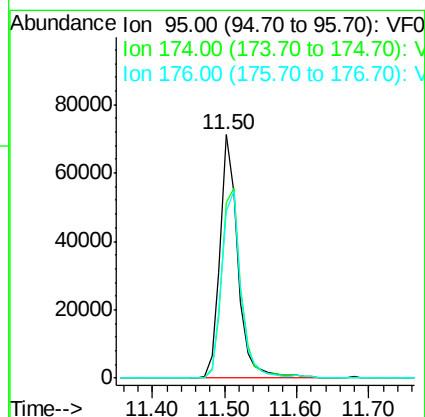
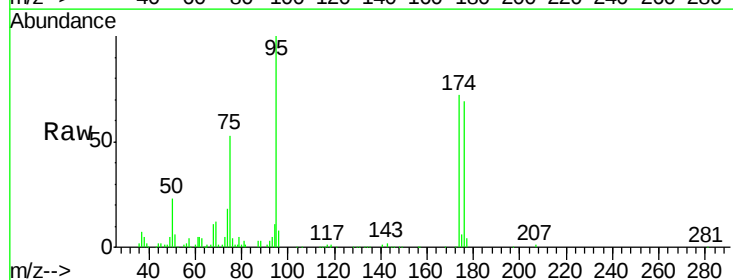
Instrument :
MSVOA_F
ClientSampleId :
CON-SB-08-9-11

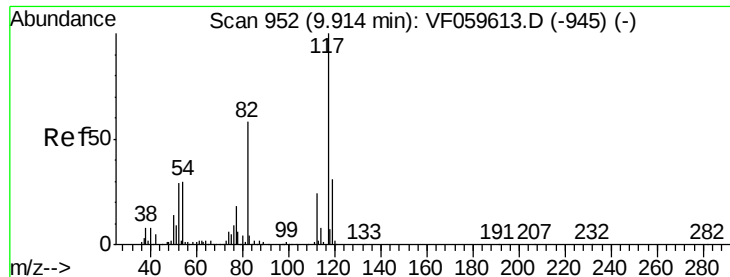
Tgt Ion: 43 Resp: 4027
Ion Ratio Lower Upper
43 100
58 21.8 21.1 63.4



#62
4-Bromofluorobenzene
Concen: 27.301 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059632.D
Acq: 23 Jul 2018 23:40

Tgt Ion: 95 Resp: 121234
Ion Ratio Lower Upper
95 100
174 72.0 0.0 180.6
176 68.5 0.0 182.4

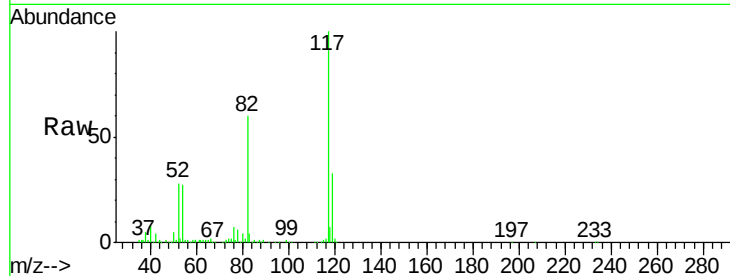




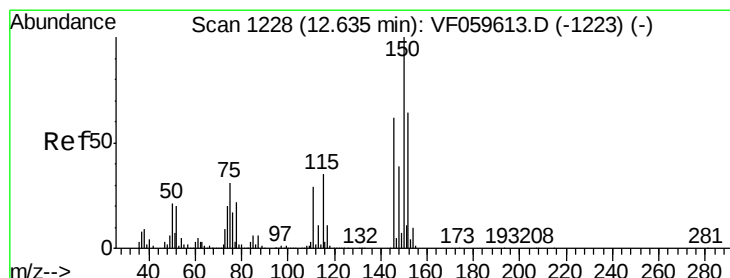
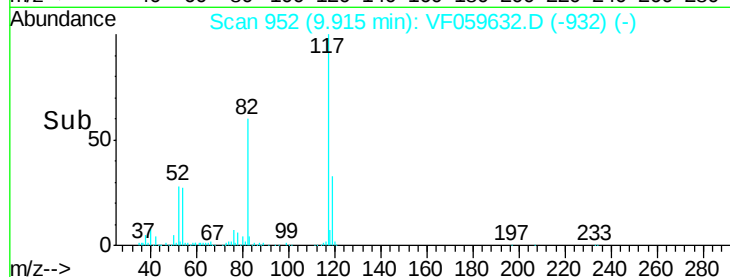
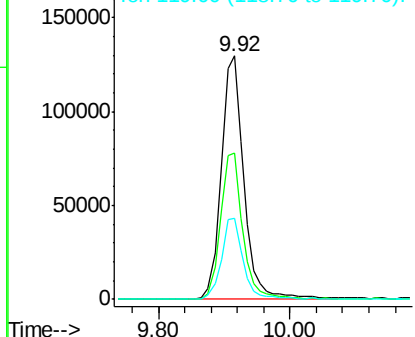
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059632.D
Acq: 23 Jul 2018 23:40

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-08-9-11

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.1	46.5	69.7
119	33.4	24.4	36.6

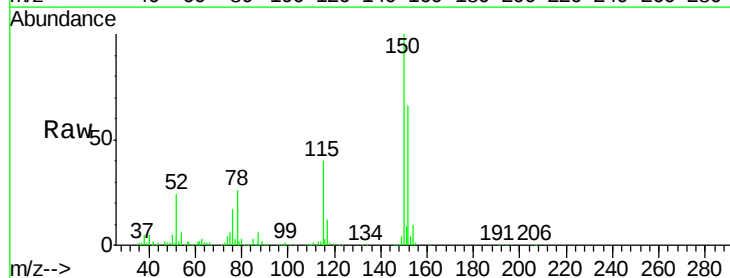


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059632.D
Acq: 23 Jul 2018 23:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	27.8	83.4
150	152.3	0.0	314.6



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

