

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059548.D
 Acq On : 19 Jul 2018 9:17
 Operator : VA/AP
 Sample : J4001-02
 Misc : 12.82g/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CON-SB-09-0-2

Quant Time: Jul 19 14:40:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	183585	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	287257	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	267763	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	132709	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	175771	61.56	ug/l	-0.03
Spiked Amount 50.000			Recovery =	123.12%		
35) Dibromofluoromethane	4.28	113	149144	59.95	ug/l	-0.03
Spiked Amount 50.000			Recovery =	119.90%		
50) Toluene-d8	7.70	98	272210	43.44	ug/l	-0.03
Spiked Amount 50.000			Recovery =	86.88%		
62) 4-Bromofluorobenzene	11.51	95	147884	44.98	ug/l	-0.02
Spiked Amount 50.000			Recovery =	89.96%		

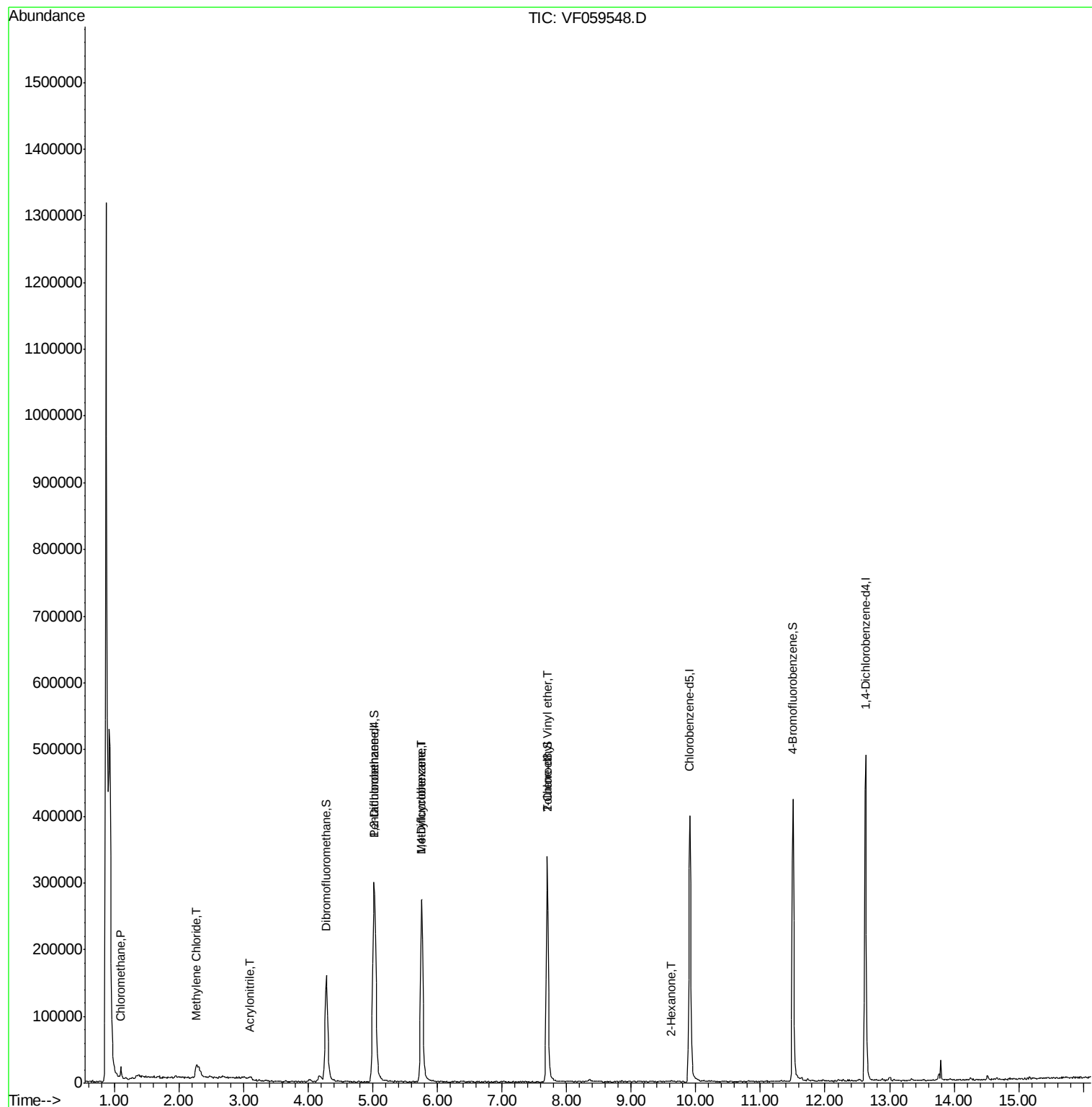
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	1341	1.08	ug/l	# 84
11) Tert butyl alcohol	2.66	59	917	Below Cal		# 74
13) Acrolein	2.09	56	542	Below Cal		# 56
15) Acrylonitrile	3.09	53	317	1.32	ug/l	# 13
16) Acetone	2.33	43	6710	Below Cal		# 97
18) Methyl Acetate	2.48	43	2053	Below Cal		# 67
20) Methylene Chloride	2.27	84	15029	7.80	ug/l	# 91
29) Tetrahydrofuran	4.29	42	205	Below Cal		# 38
37) Ethyl Acetate	4.30	43	162	Below Cal		# 41
39) Methylcyclohexane	5.76	83	5048	2.31	ug/l	# 36
49) 1,4-Dioxane	6.69	88	61	Below Cal		# 34
58) 2-Chloroethyl Vinyl ether	7.69	63	331	1.93	ug/l	100
59) 2-Hexanone	9.62	43	1391	1.26	ug/l	# 60

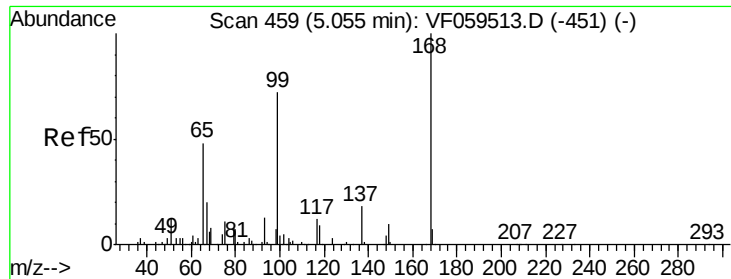
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.03 min

Lab File: VF059548.D

Acq: 19 Jul 2018 9:17

Instrument :

MSVOA_F

ClientSampleId :

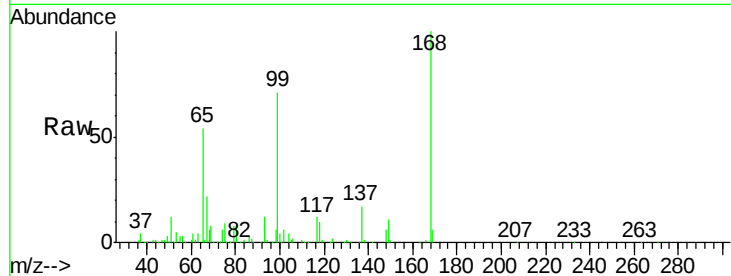
CON-SB-09-0-2

Tot Ion:168 Resp: 183585

Ion Ratio Lower Upper

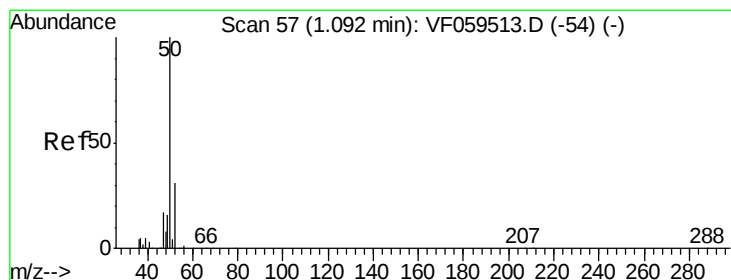
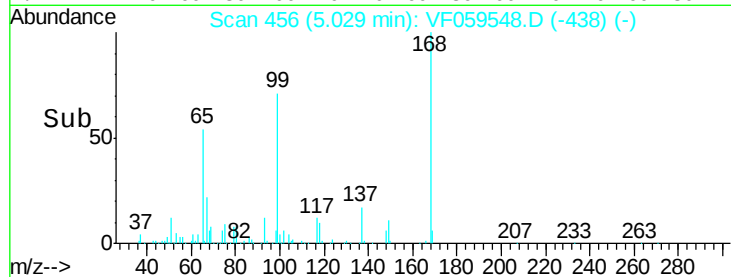
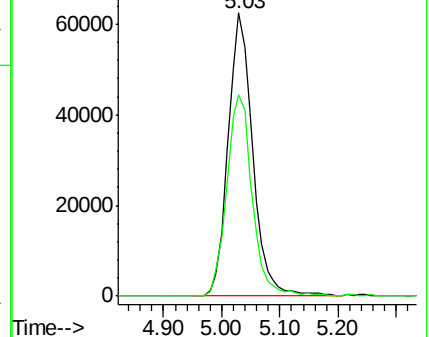
168 100

99 71.0 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 1.08 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059548.D

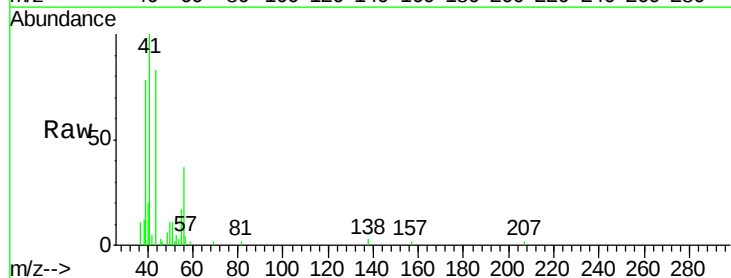
Acq: 19 Jul 2018 9:17

Tgt Ion: 50 Resp: 1341

Ion Ratio Lower Upper

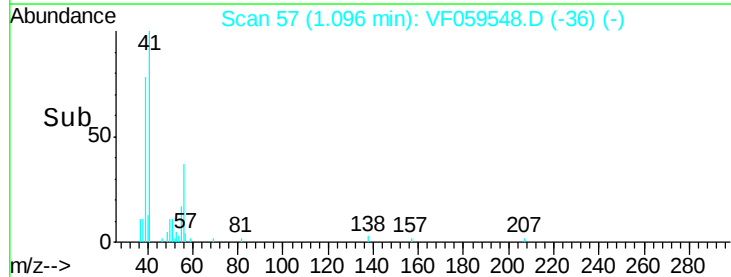
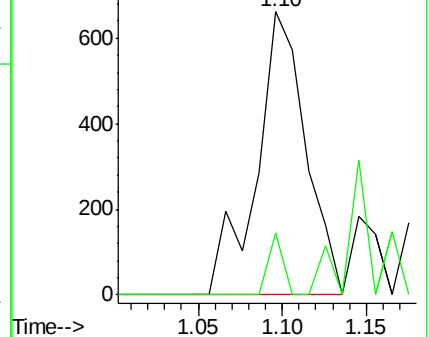
50 100

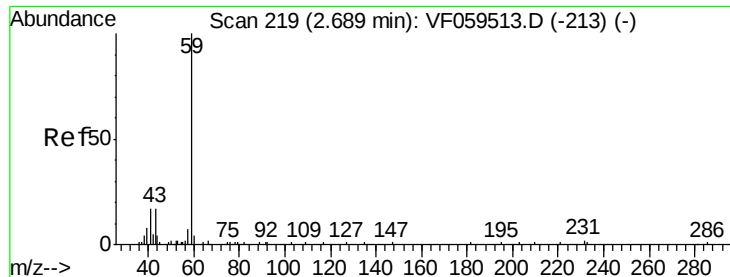
52 22.1 24.6 37.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



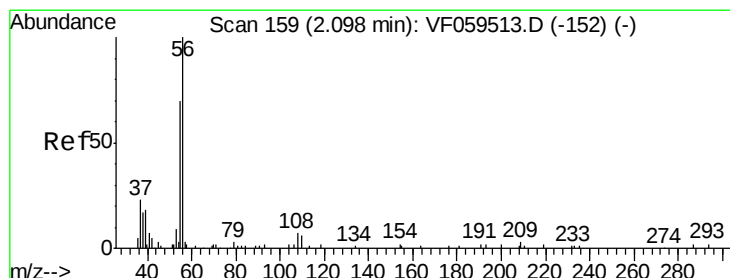
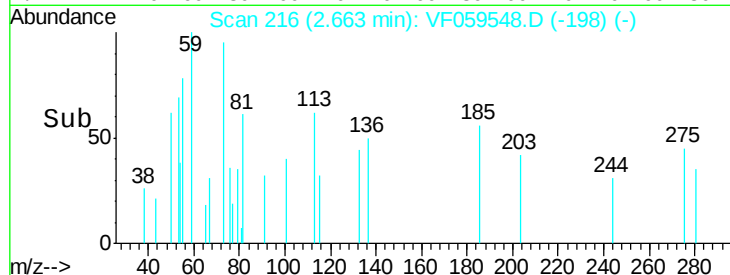
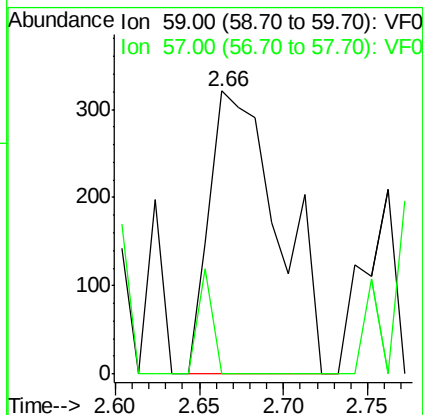
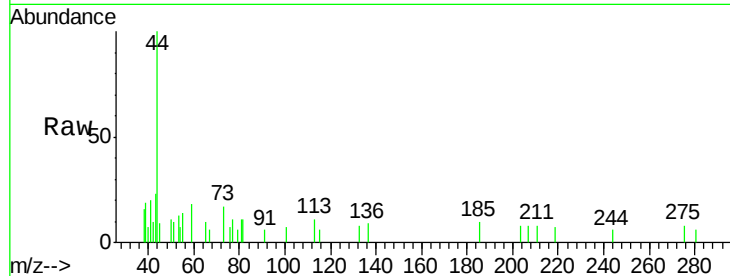


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.66 min Scan# 216
Delta R.T. -0.03 min
Lab File: VF059548.D
Acq: 19 Jul 2018 9:17

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-09-0-2

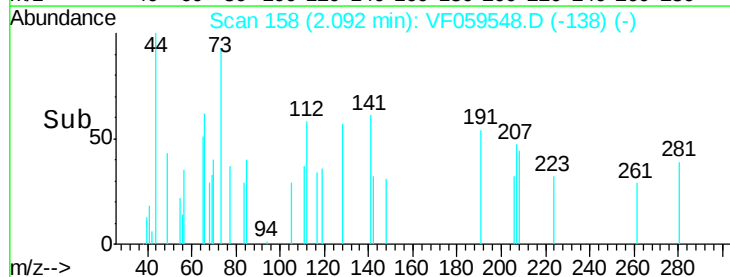
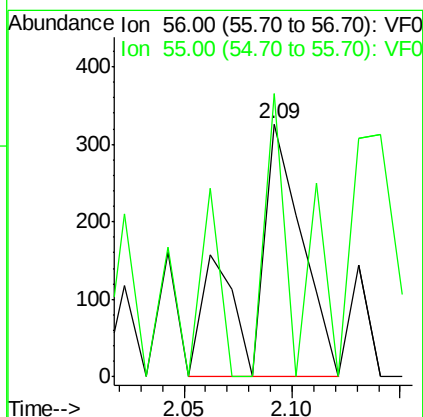
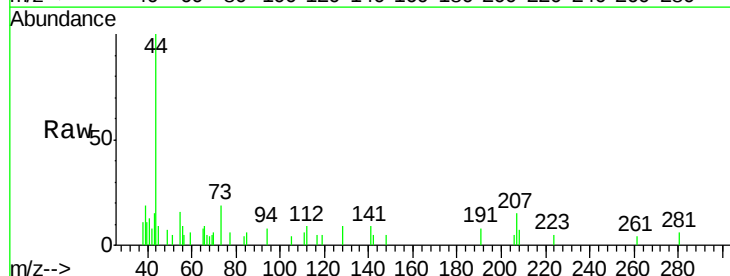
Tot Ion: 59 Resp: 917
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

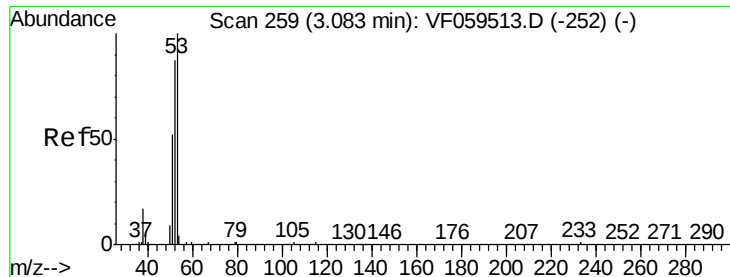


#13

Acrolein
Concen: Below Cal
RT: 2.09 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF059548.D
Acq: 19 Jul 2018 9:17

Tgt Ion: 56 Resp: 542
Ion Ratio Lower Upper
56 100
55 112.0 59.4 89.2#





#15

Acrylonitrile

Concen: 1.32 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059548.D

Acq: 19 Jul 2018 9:17

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-09-0-2

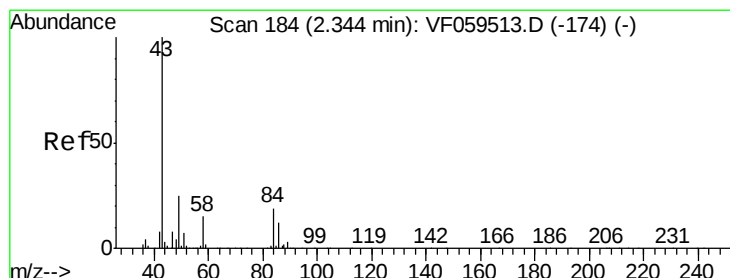
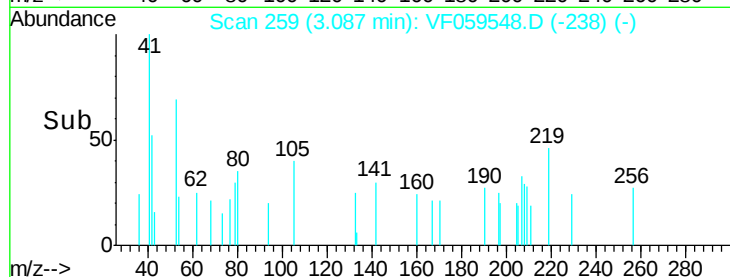
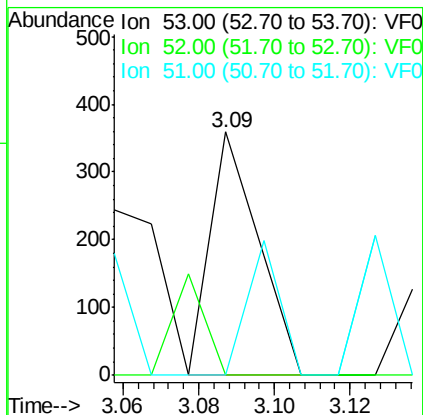
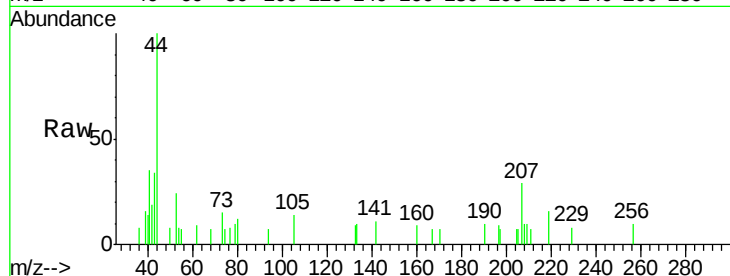
Tot Ion: 53 Resp: 317

Ion Ratio Lower Upper

53 100

52 0.0 70.1 105.1#

51 0.0 42.5 63.7#



#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 182

Delta R.T. -0.02 min

Lab File: VF059548.D

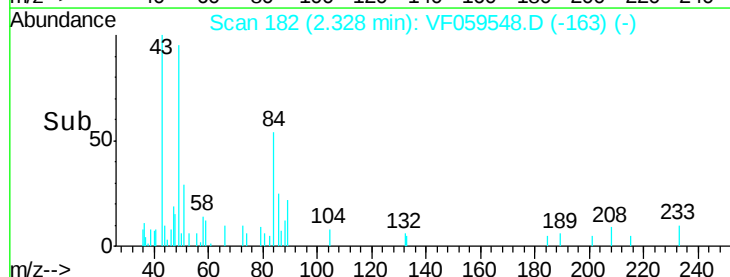
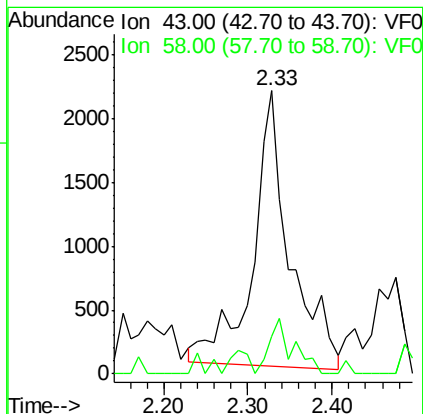
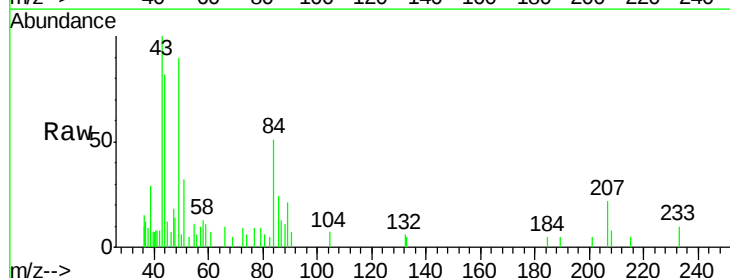
Acq: 19 Jul 2018 9:17

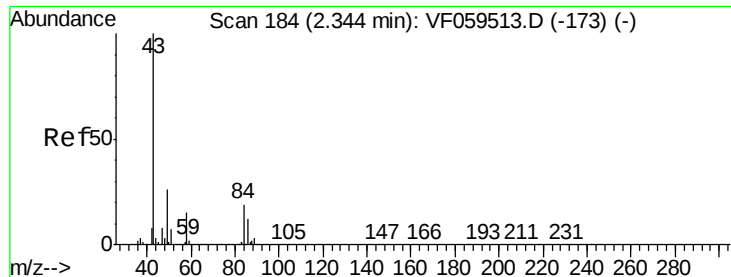
Tgt Ion: 43 Resp: 6710

Ion Ratio Lower Upper

43 100

58 13.5 11.8 17.6

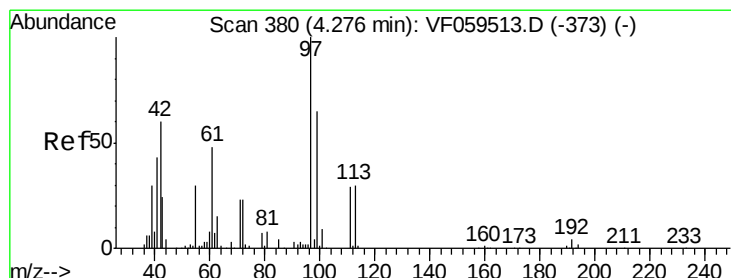
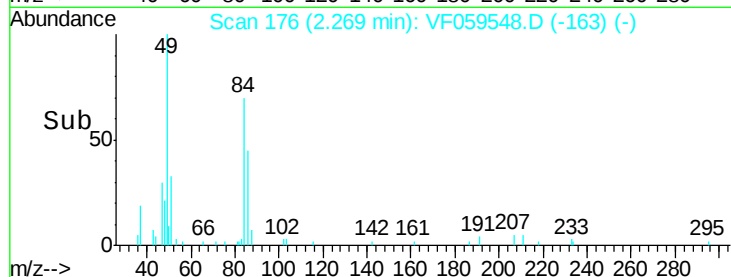
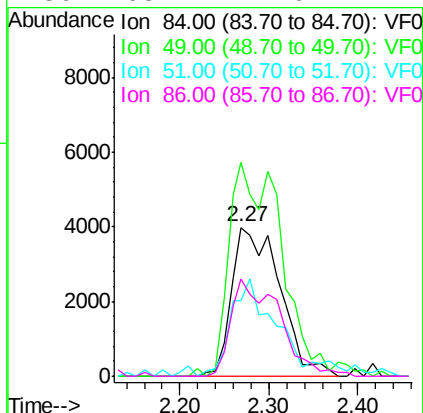
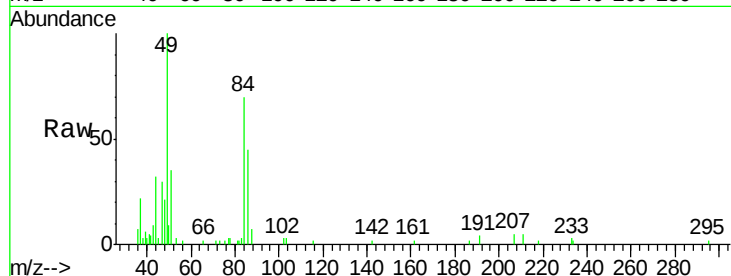




#20
Methvlene Chloride
Concen: 7.80 ua/l
RT: 2.27 min Scan# 176
Delta R.T. -0.07 min
Lab File: VF059548.D
Acq: 19 Jul 2018 9:17

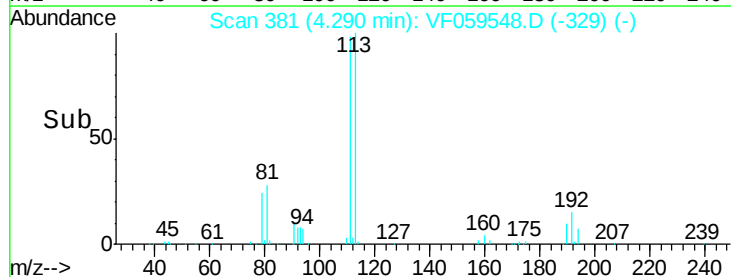
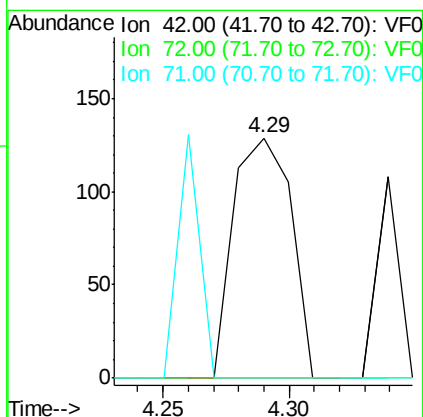
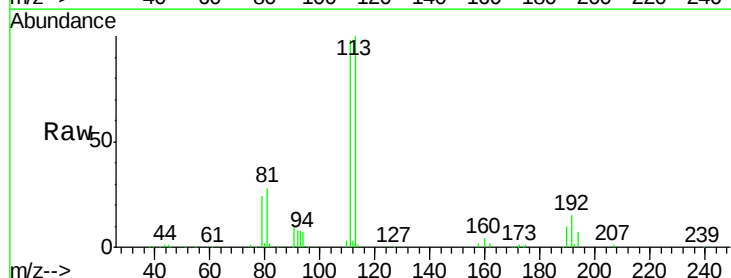
Instrument :
MSVOA_F
ClientSampleId :
CON-SB-09-0-2

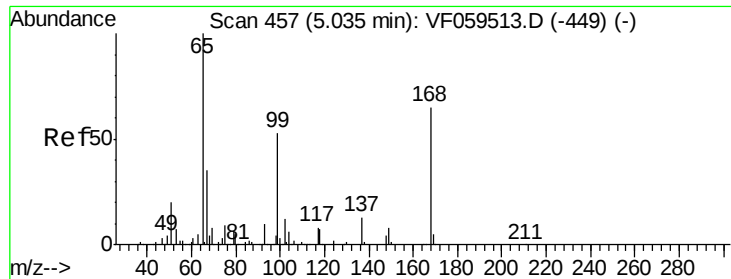
Tot Ion: 84 Resp: 15029
Ion Ratio Lower Upper
84 100
49 143.7 109.4 164.2
51 50.8 30.5 45.7#
86 65.1 47.6 71.4



#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059548.D
Acq: 19 Jul 2018 9:17

Tgt Ion: 42 Resp: 205
Ion Ratio Lower Upper
42 100
72 0.0 28.7 43.1#
71 0.0 30.8 46.2#





#33

1,2-Dichloroethane-d4

Concen: 61.56 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF059548.D

Acq: 19 Jul 2018 9:17

Instrument :

MSVOA_F

ClientSampleId :

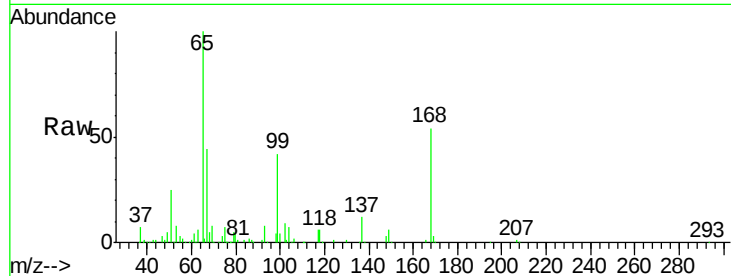
CON-SB-09-0-2

Tot Ion: 65 Resp: 175771

Ion Ratio Lower Upper

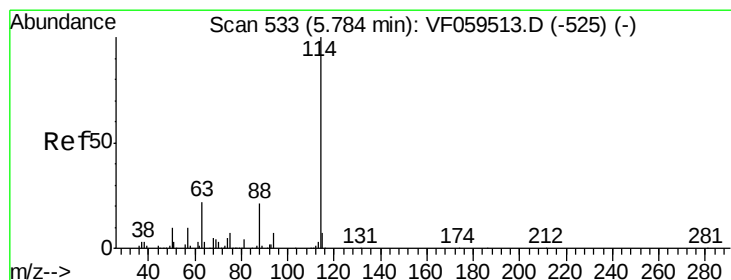
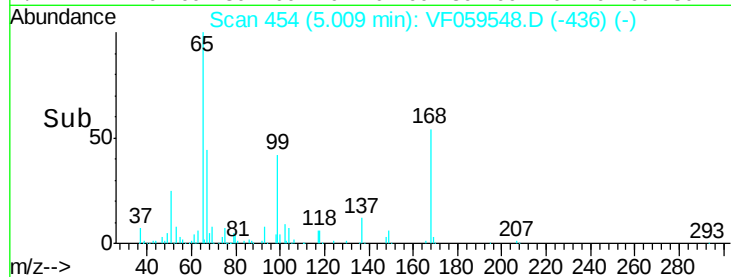
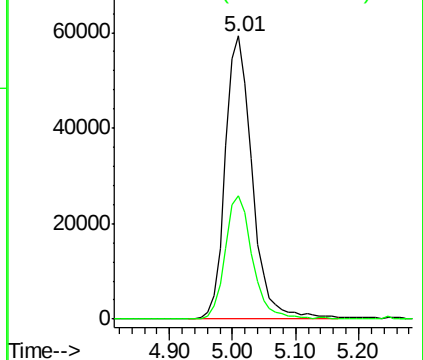
65 100

67 43.5 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.03 min

Lab File: VF059548.D

Acq: 19 Jul 2018 9:17

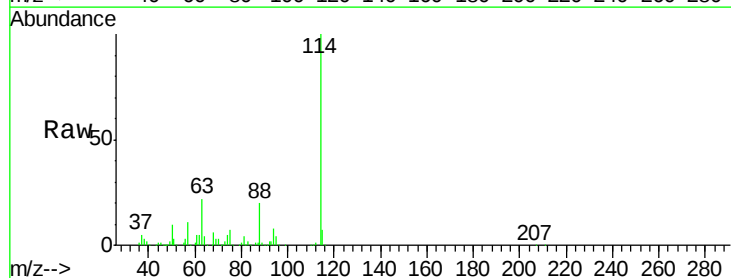
Tgt Ion: 114 Resp: 287257

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.8

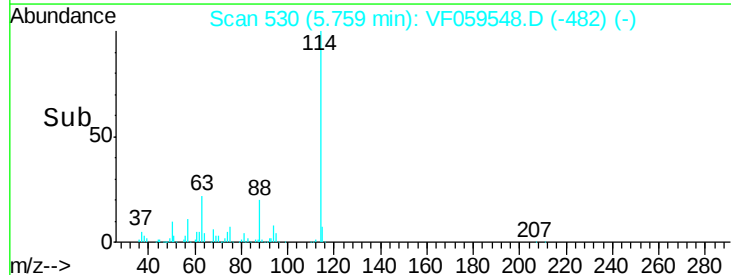
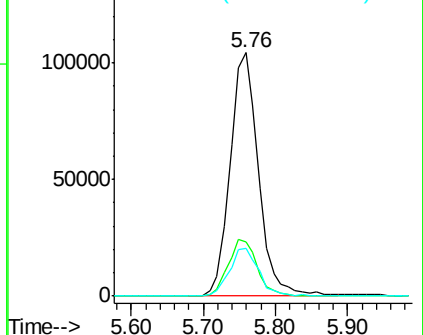
88 19.6 0.0 42.6

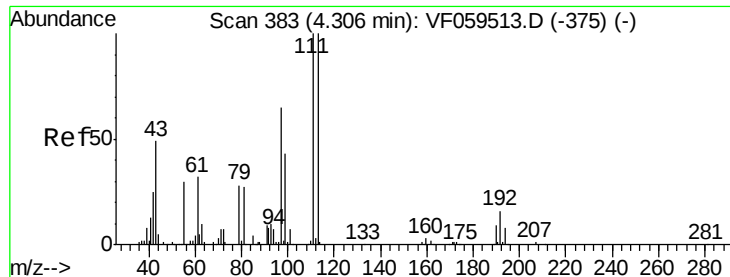


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 59.95 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF059548.D

Acq: 19 Jul 2018 9:17

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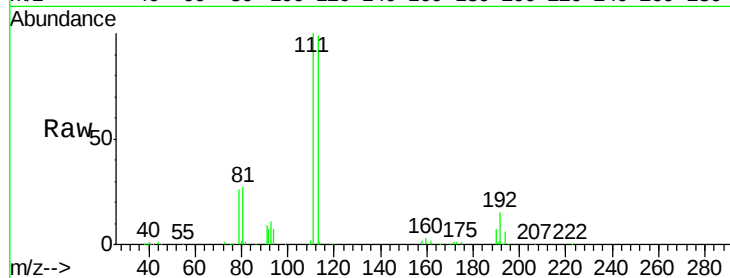
Tot Ion:113 Resp: 149144

Ion Ratio Lower Upper

113 100

111 100.7 80.3 120.5

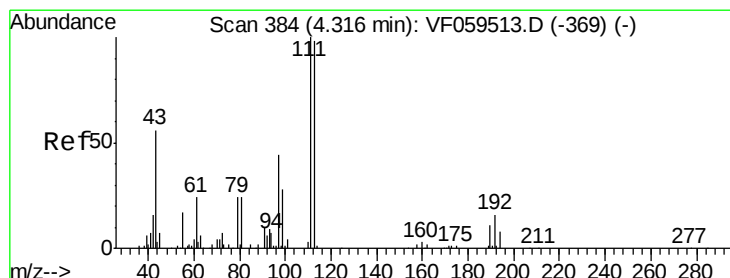
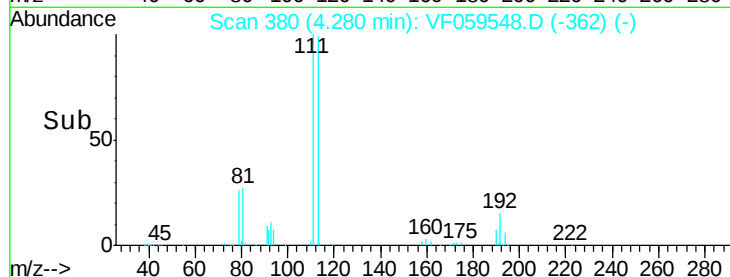
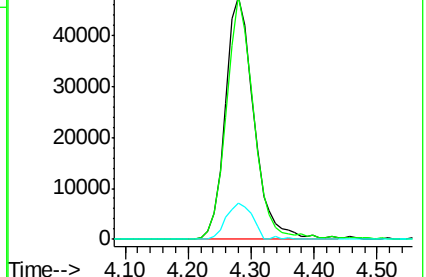
192 15.0 13.1 19.7



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: 4.30 min Scan# 382

Delta R.T. -0.02 min

Lab File: VF059548.D

Acq: 19 Jul 2018 9:17

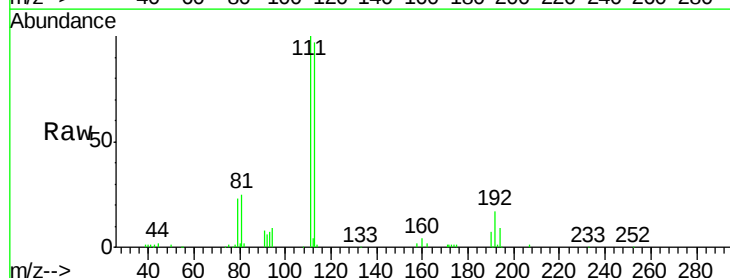
Tgt Ion: 43 Resp: 162

Ion Ratio Lower Upper

43 100

61 0.0 33.7 50.5#

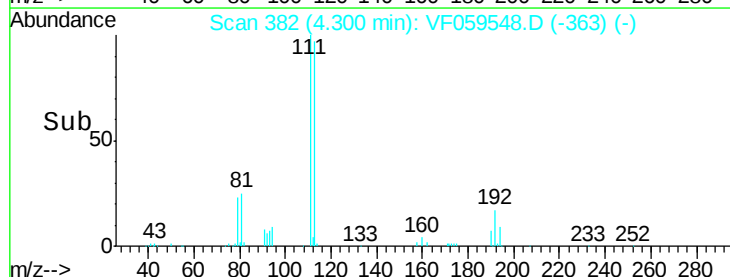
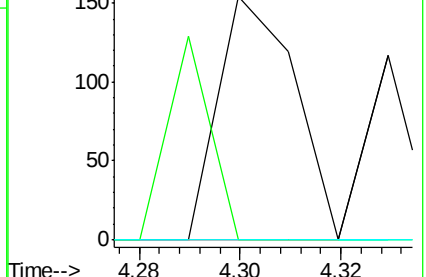
70 0.0 7.4 11.0#

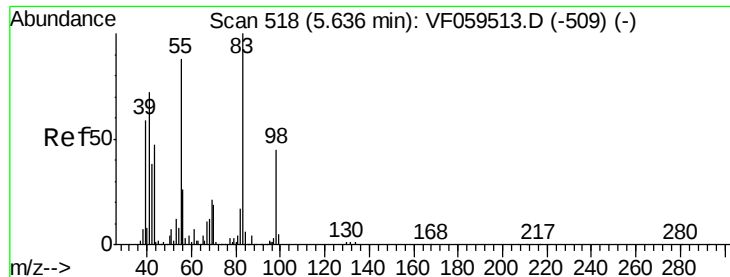


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

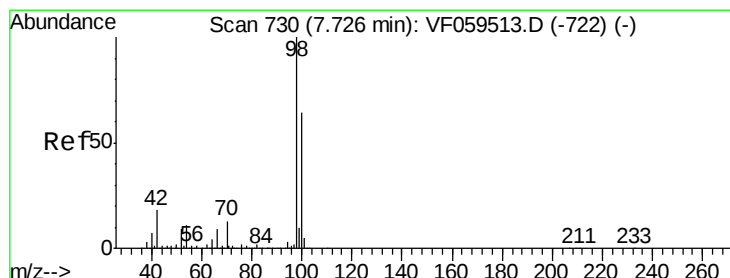
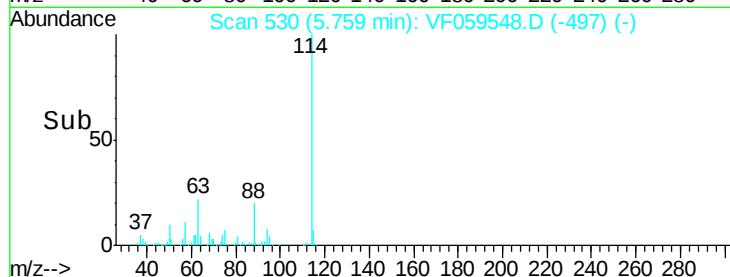
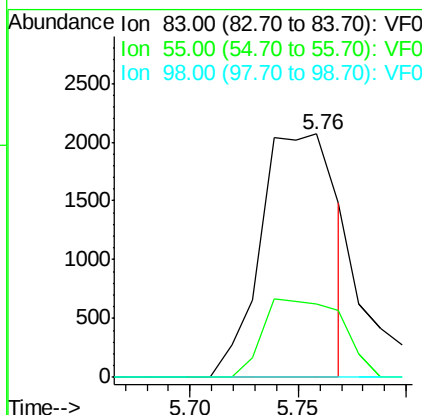
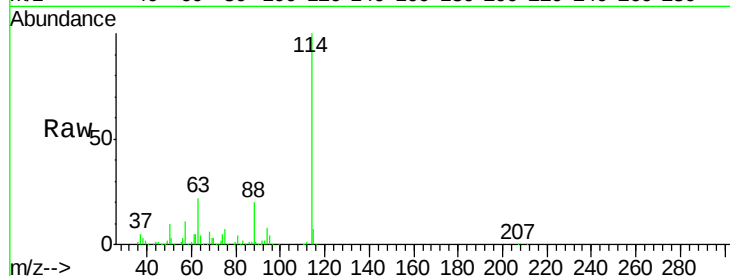




#39
Methvlcvclohexane
Concen: 2.31 ug/l
RT: 5.76 min Scan# 530
Delta R.T. 0.12 min
Lab File: VF059548.D
Acq: 19 Jul 2018 9:17

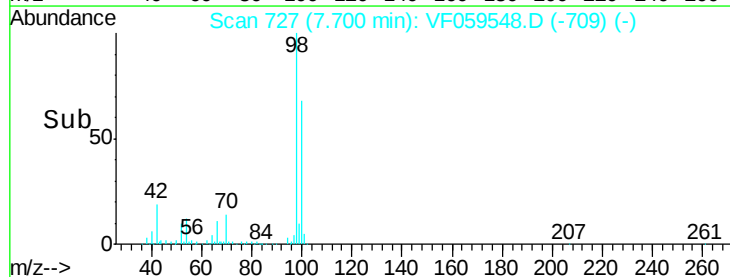
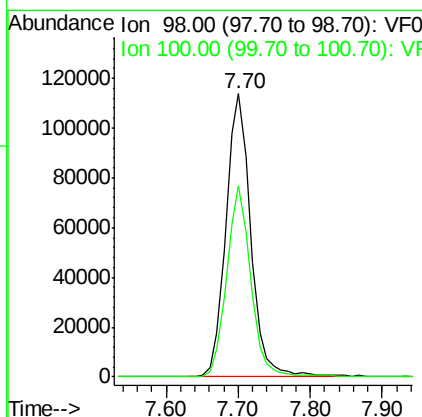
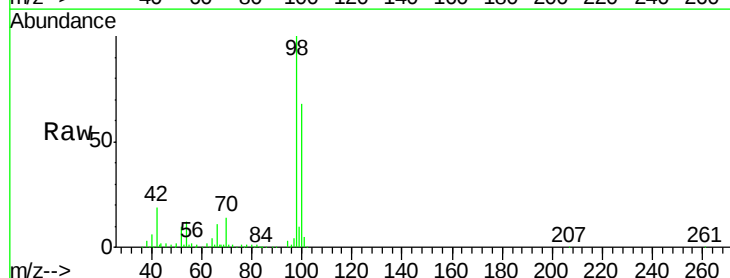
Instrument :
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CON-SB-09-0-2

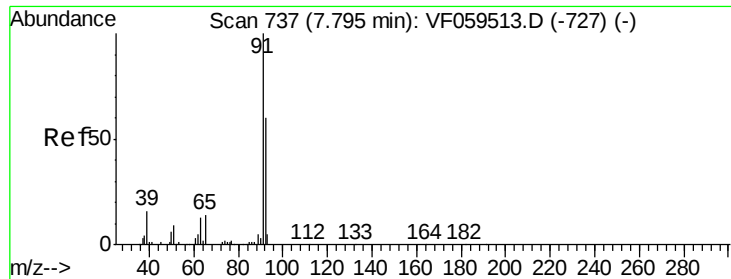
Tot Ion: 83 Resp: 5048
Ion Ratio Lower Upper
83 100
55 30.1 70.2 105.4#
98 0.0 36.2 54.2#



#50
Toluene-d8
Concen: 43.44 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.03 min
Lab File: VF059548.D
Acq: 19 Jul 2018 9:17

Tgt Ion: 98 Resp: 272210
Ion Ratio Lower Upper
98 100
100 67.8 50.9 76.3





#58

2-Chloroethyl Vinyl ether

Concen: 1.93 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.10 min

Lab File: VF059548.D

Acq: 19 Jul 2018 9:17

Instrument :

MSVOA_F

ClientSampleId :

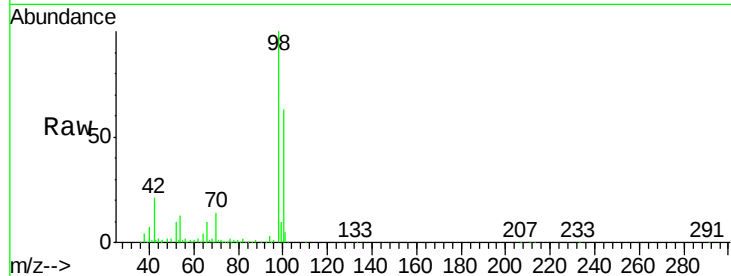
CON-SB-09-0-2

Tot Ion: 63 Resp: 331

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): VF0

7.69

150

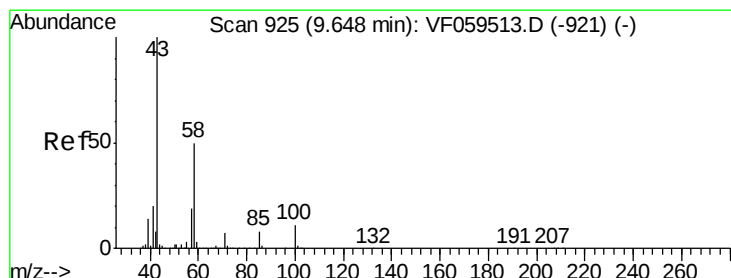
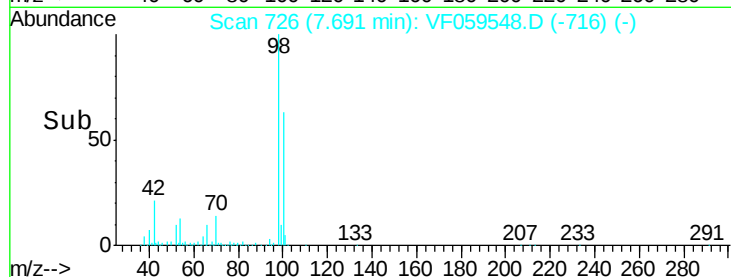
100

50

0

7.65 7.70 7.75

Time-->



#59

2-Hexanone

Concen: 1.26 ug/l

RT: 9.62 min Scan# 922

Delta R.T. -0.03 min

Lab File: VF059548.D

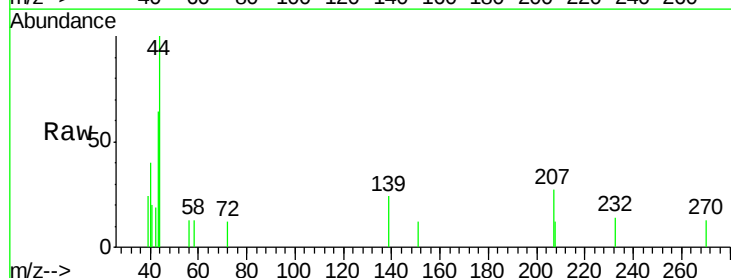
Acq: 19 Jul 2018 9:17

Tgt Ion: 43 Resp: 1391

Ion Ratio Lower Upper

43 100

58 19.8 23.3 69.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.62

600

500

400

300

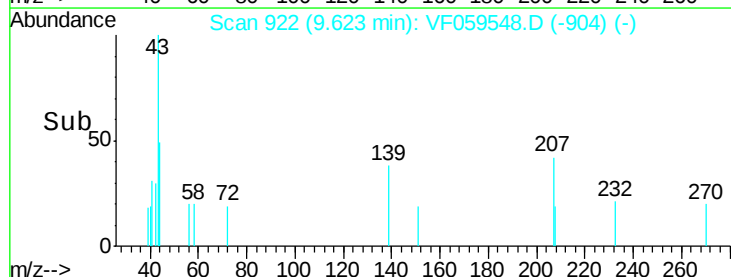
200

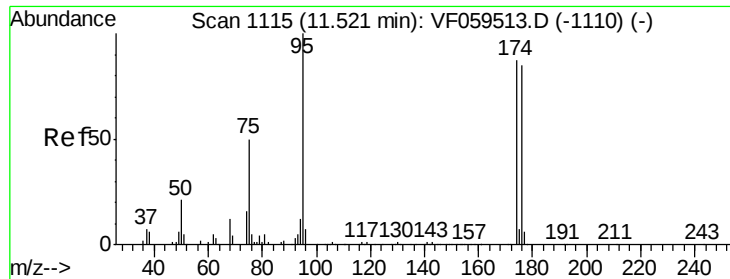
100

0

9.50 9.55 9.60 9.65 9.70

Time-->

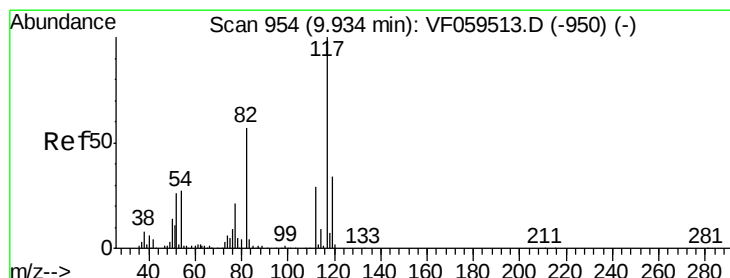
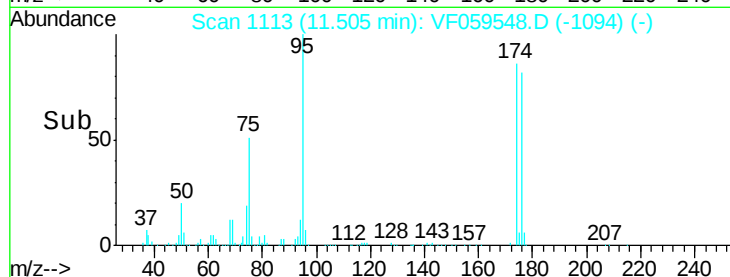
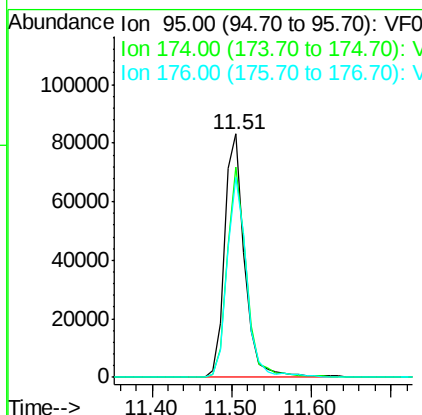
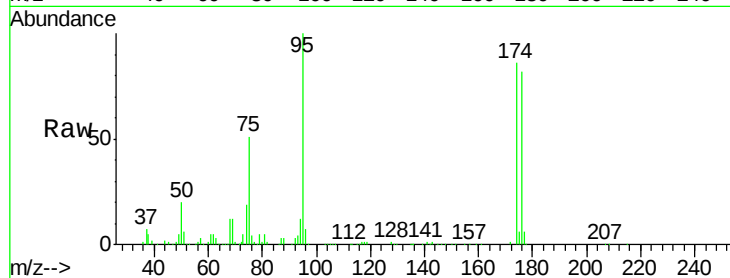




#62
4-Bromofluorobenzene
Concen: 44.98 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VF059548.D
Acq: 19 Jul 2018 9:17

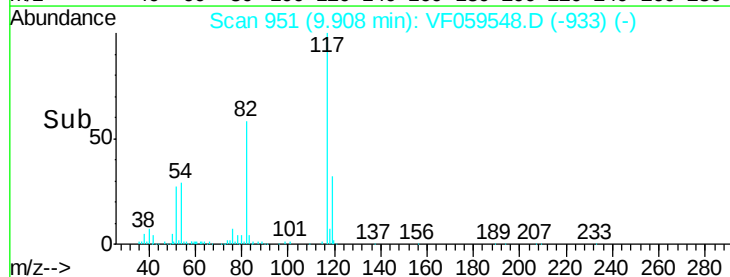
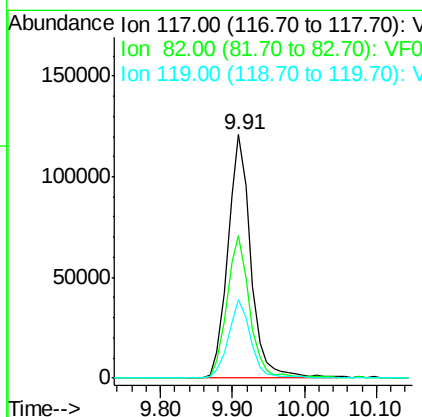
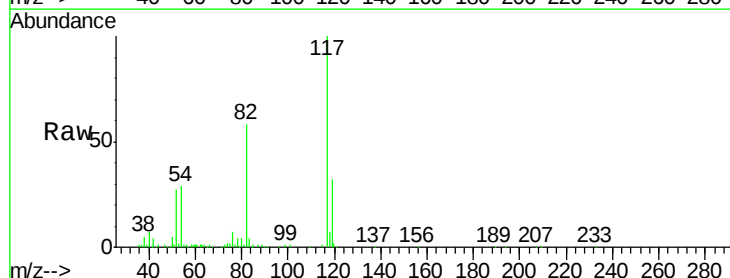
Instrument :
MSVOA_F
ClientSampleId :
CON-SB-09-0-2

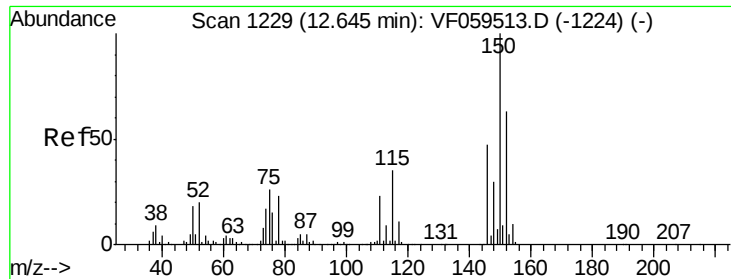
Tot Ion: 95 Resp: 147884
Ion Ratio Lower Upper
95 100
174 86.2 0.0 174.4
176 82.0 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF059548.D
Acq: 19 Jul 2018 9:17

Tgt Ion: 117 Resp: 267763
Ion Ratio Lower Upper
117 100
82 58.3 46.1 69.1
119 32.1 27.2 40.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VF059548.D

Acq: 19 Jul 2018 9:17

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-09-0-2

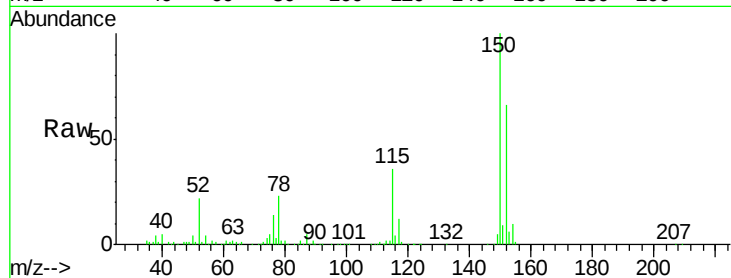
Tot Ion:152 Resp: 132709

Ion Ratio Lower Upper

152 100

115 54.7 27.8 83.3

150 151.8 0.0 318.4



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

