

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
 Data File : VF062055.D
 Acq On : 21 Mar 2019 12:27
 Operator : VA/AP
 Sample : VF0321SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBL01

Quant Time: Mar 22 08:06:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	270366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	422066	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	344002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	197867	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	107211	55.09	ug/l	0.00
Spiked Amount			Recovery	=	110.18%	
35) Dibromofluoromethane	4.11	113	164399	58.00	ug/l	0.00
Spiked Amount			Recovery	=	116.00%	
50) Toluene-d8	7.55	98	413957	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.41	95	176176	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	

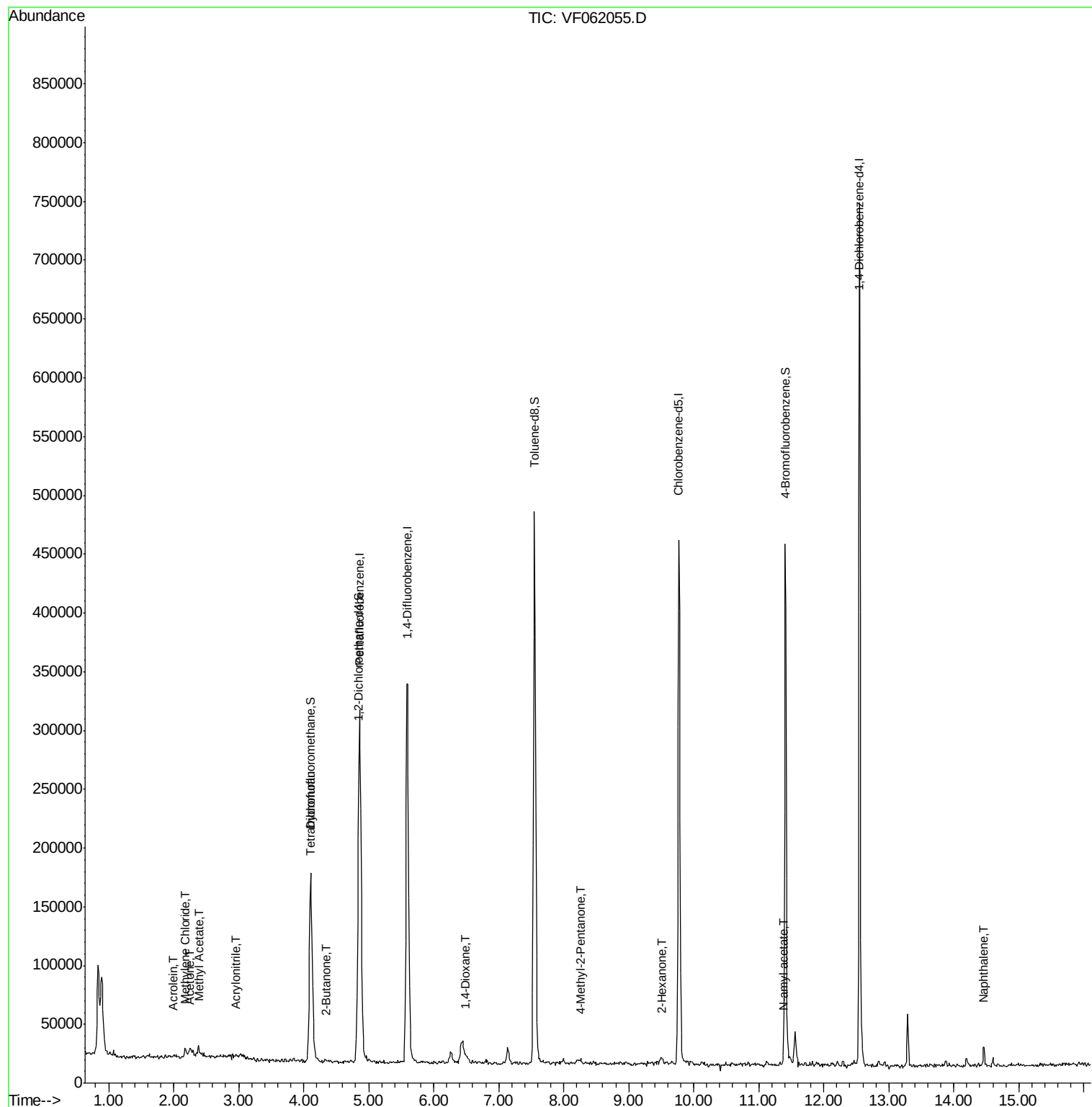
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	1.99	56	877	6.822	ug/l #	65
15) Acrylonitrile	2.95	53	918	2.535	ug/l #	80
16) Acetone	2.24	43	2706	6.192	ug/l #	89
18) Methyl Acetate	2.37	43	4571	4.615	ug/l #	53
20) Methylene Chloride	2.18	84	3571	1.566	ug/l	85
25) 2-Butanone	4.36	43	1505	1.739	ug/l #	36
29) Tetrahydrofuran	4.09	42	1011	2.686	ug/l #	51
49) 1,4-Dioxane	6.49	88	73	6.271	ug/l #	1
51) 4-Methyl-2-Pentanone	8.26	43	3406	2.369	ug/l #	78
59) 2-Hexanone	9.49	43	4935	4.742	ug/l	90
74) N-amyl acetate	11.37	43	3787	1.209	ug/l #	85
95) Naphthalene	14.46	128	10737	1.488	ug/l #	93

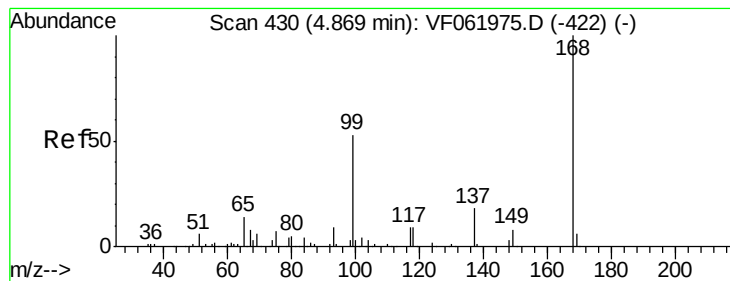
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
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Quant Title : SW846 8260
QLast Update : Fri Mar 22 03:22:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF062055.D

Acq: 21 Mar 2019 12:27

Instrument :

MSVOA_F

ClientSampleId :

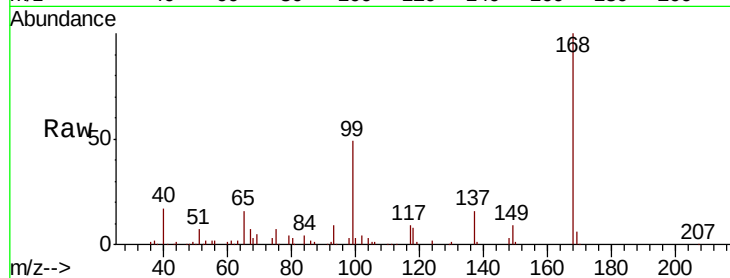
VF0321SBL01

Tgt Ion:168 Resp: 270366

Ion Ratio Lower Upper

168 100

99 49.3 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

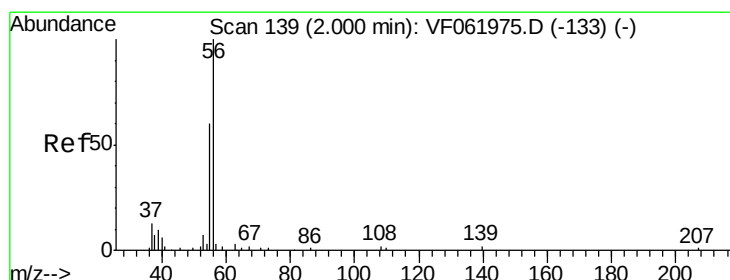
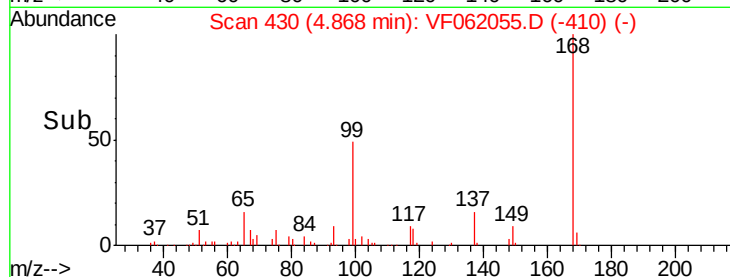
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#13

Acrolein

Concen: 6.822 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF062055.D

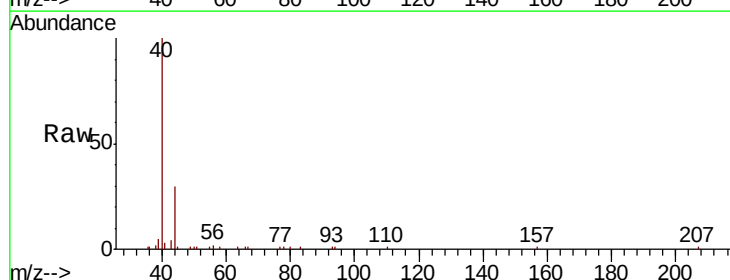
Acq: 21 Mar 2019 12:27

Tgt Ion: 56 Resp: 877

Ion Ratio Lower Upper

56 100

55 34.5 49.1 73.7#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.99

500

400

300

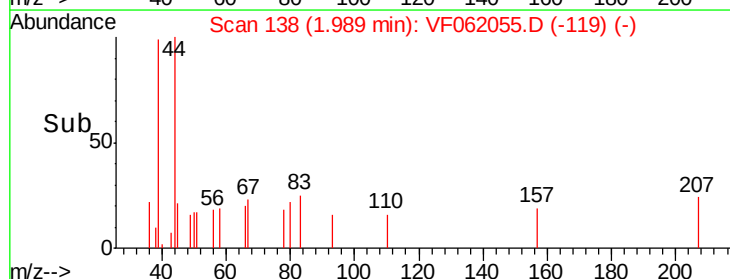
200

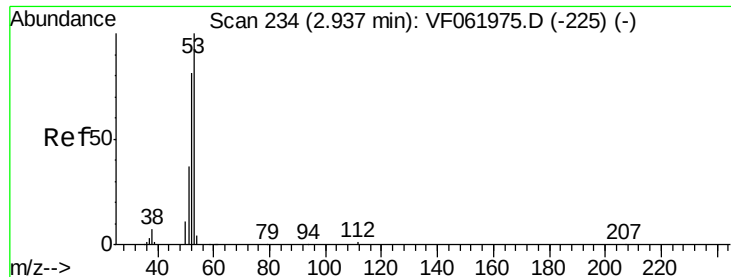
100

0

1.95 2.00 2.05 2.10

Time-->





#15

Acrylonitrile

Concen: 2.535 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF062055.D

Acq: 21 Mar 2019 12:27

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBL01

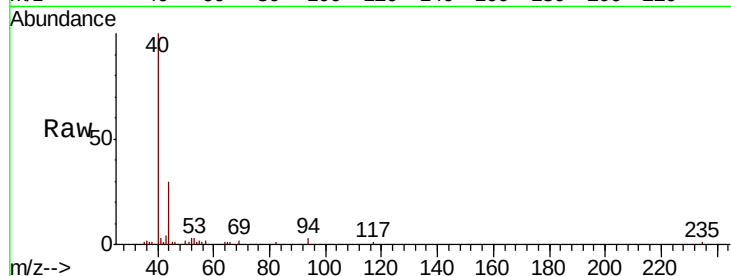
Tgt Ion: 53 Resp: 918

Ion Ratio Lower Upper

53 100

52 98.7 64.4 96.6#

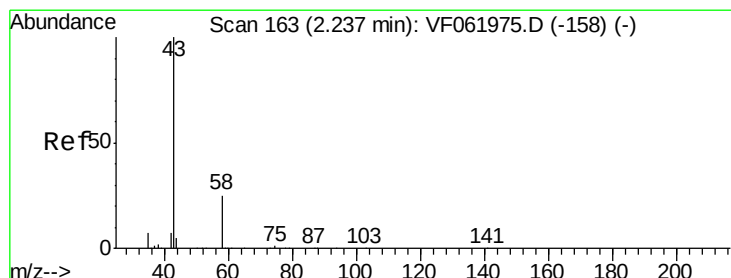
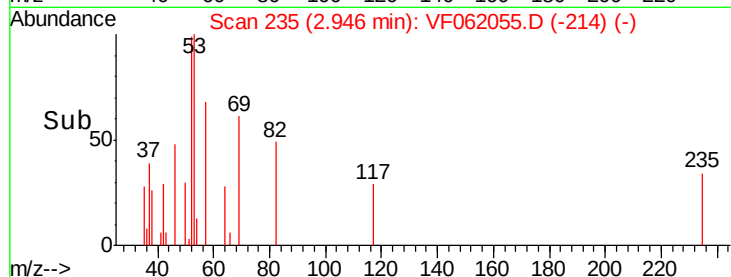
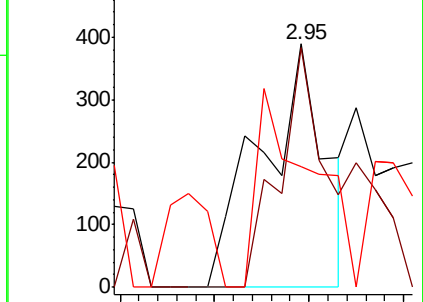
51 49.6 30.3 45.5#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 6.192 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF062055.D

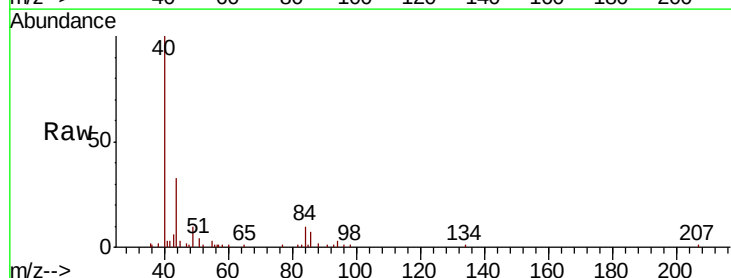
Acq: 21 Mar 2019 12:27

Tgt Ion: 43 Resp: 2706

Ion Ratio Lower Upper

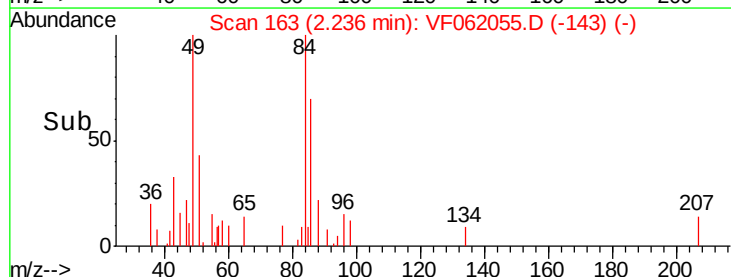
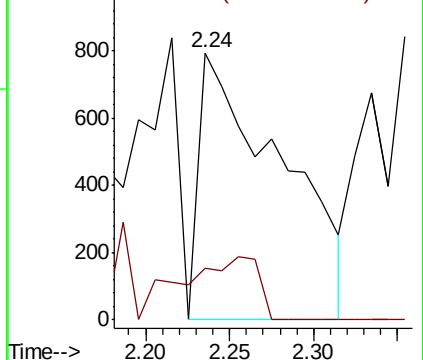
43 100

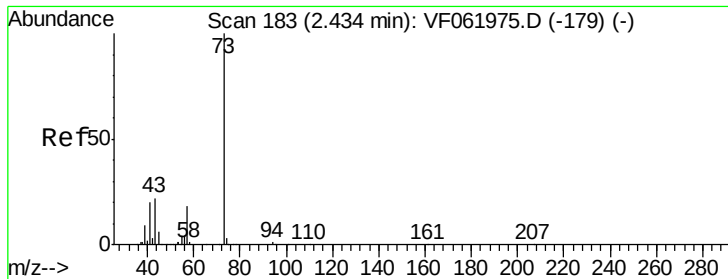
58 19.4 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

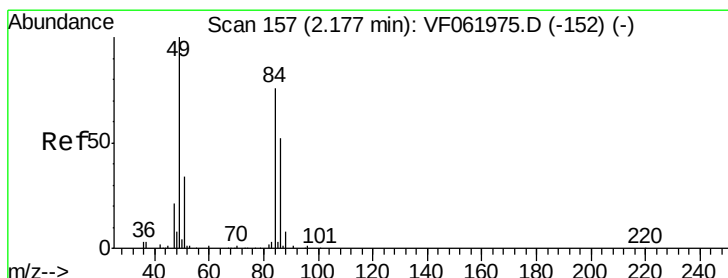
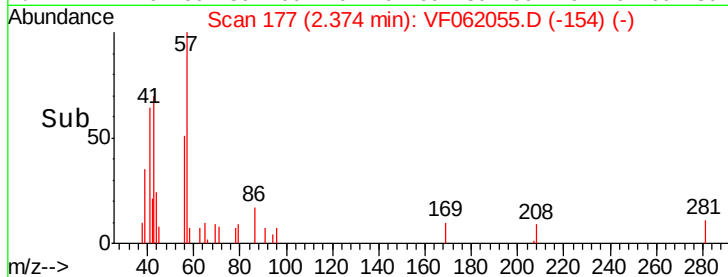
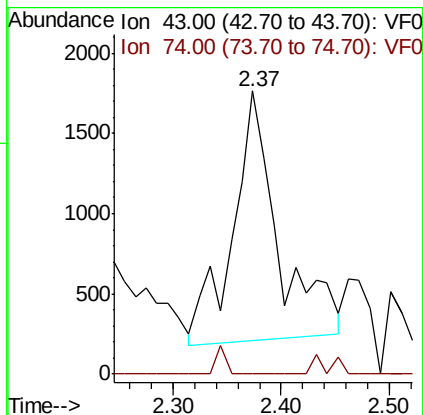
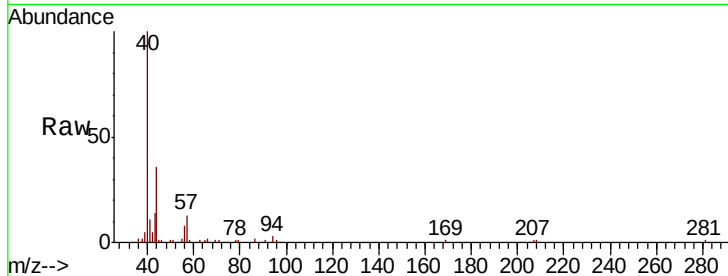




#18
Methyl Acetate
Concen: 4.615 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.03 min
Lab File: VF062055.D
Acq: 21 Mar 2019 12:27

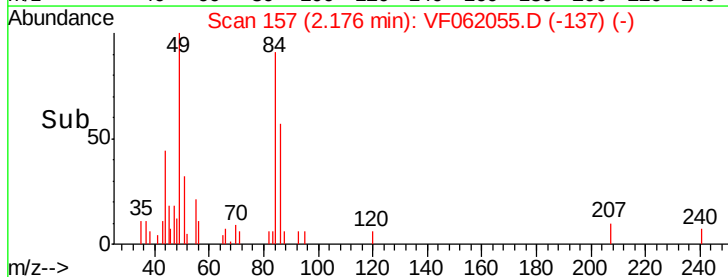
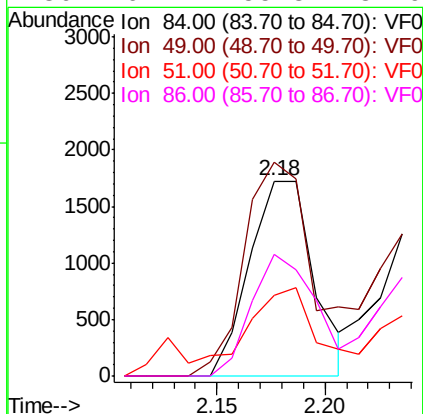
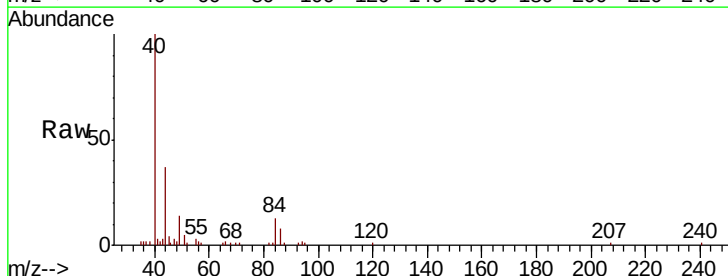
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBL01

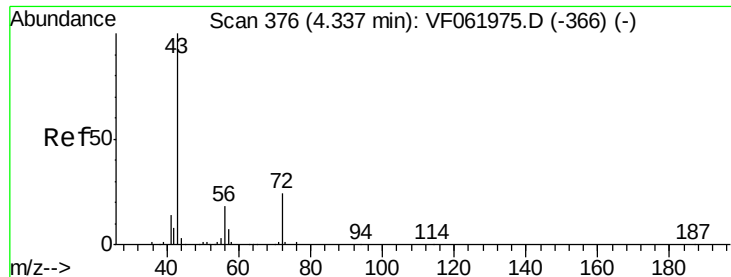
Tgt Ion: 43 Resp: 4571
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#20
Methylene Chloride
Concen: 1.566 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF062055.D
Acq: 21 Mar 2019 12:27

Tgt Ion: 84 Resp: 3571
Ion Ratio Lower Upper
84 100
49 109.6 107.0 160.6
51 41.4 37.2 55.8
86 62.1 55.3 82.9





#25

2-Butanone

Concen: 1.739 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.02 min

Lab File: VF062055.D

Acq: 21 Mar 2019 12:27

Instrument :

MSVOA_F

ClientSampleId :

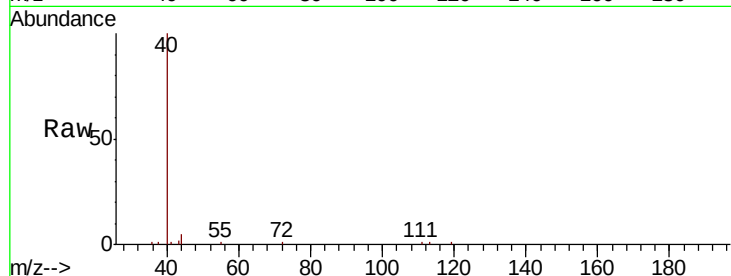
VF0321SBL01

Tgt Ion: 43 Resp: 1505

Ion Ratio Lower Upper

43 100

72 56.6 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

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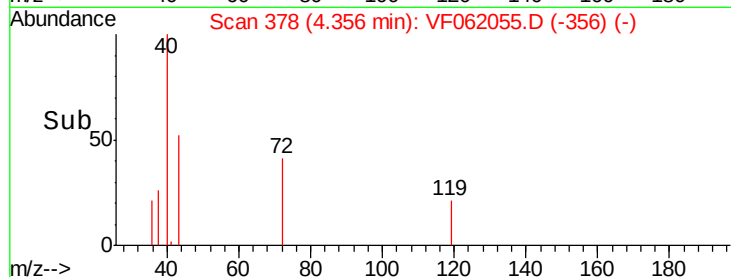
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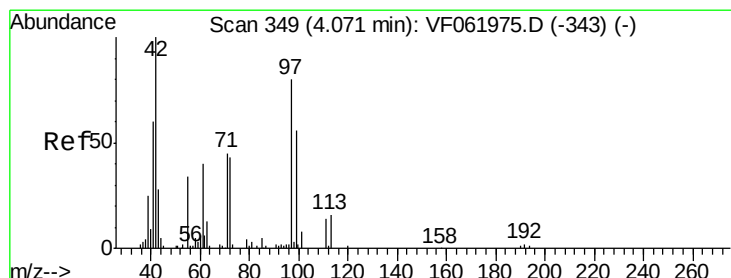
4.36

4.36

4.36



Time-->



#29

Tetrahydrofuran

Concen: 2.686 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.02 min

Lab File: VF062055.D

Acq: 21 Mar 2019 12:27

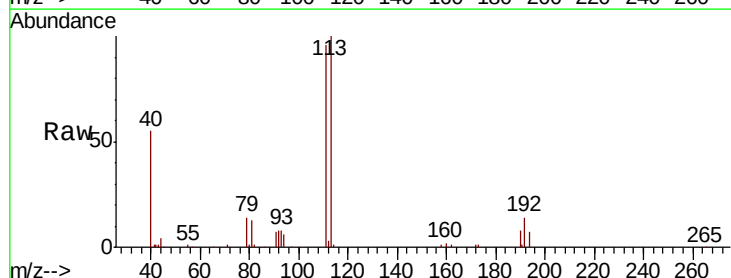
Tgt Ion: 42 Resp: 1011

Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

71 23.1 34.2 51.4#



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

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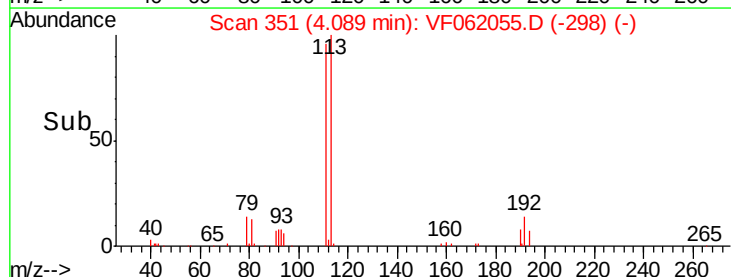
4.09

4.09

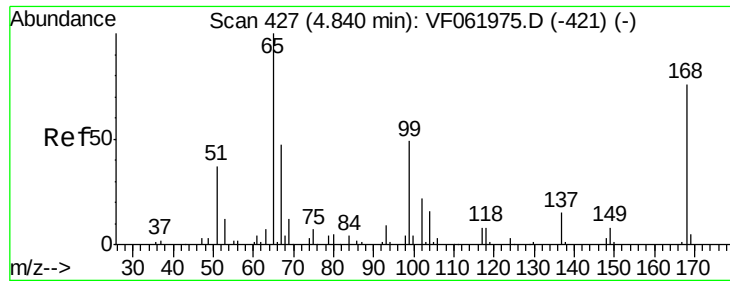
4.09

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4.09



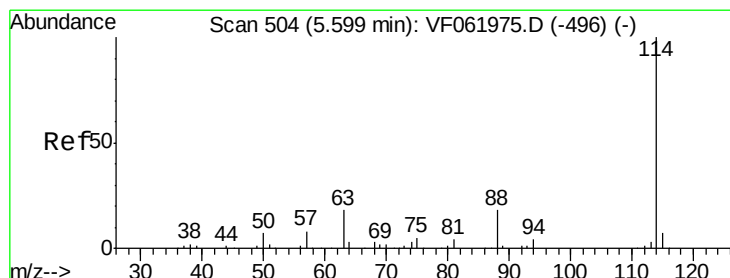
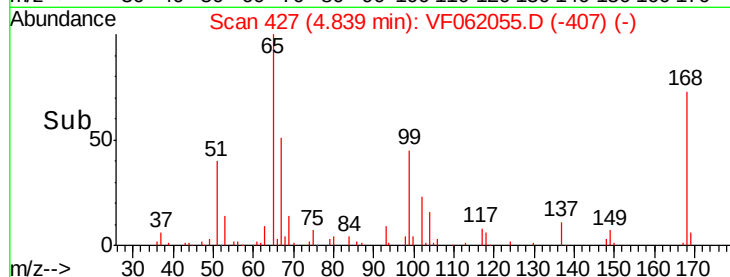
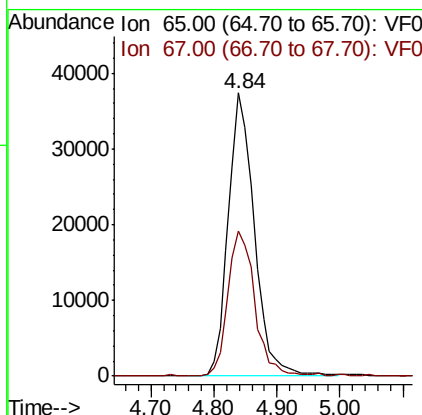
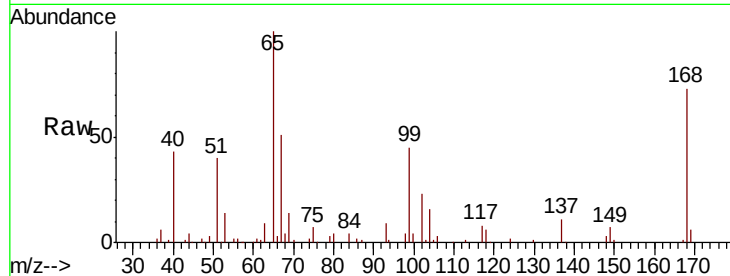
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 55.087 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: VF062055.D
 Acq: 21 Mar 2019 12:27

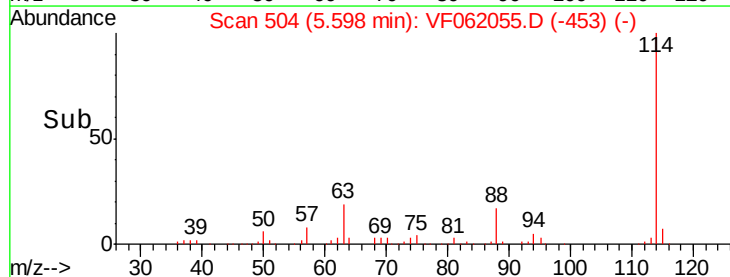
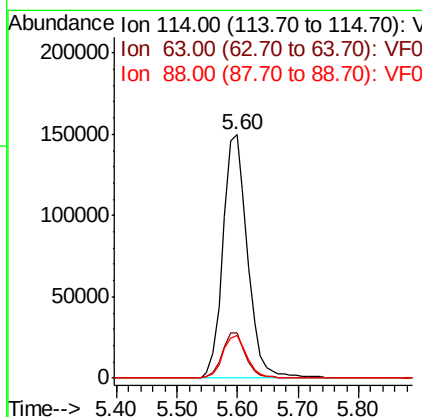
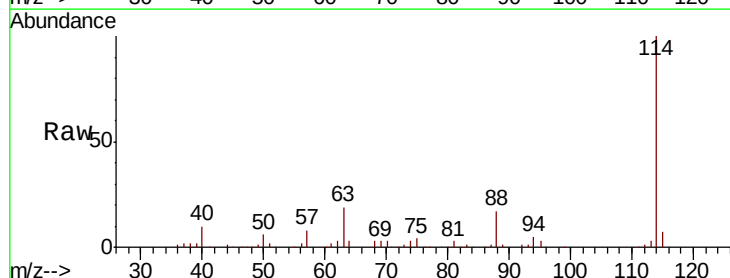
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 VF0321SBL01

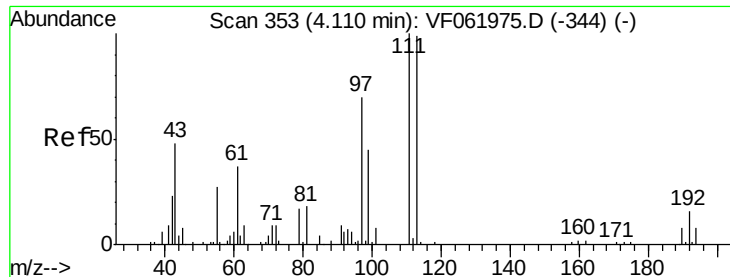
Tgt Ion: 65 Resp: 107211
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VF062055.D
 Acq: 21 Mar 2019 12:27

Tgt Ion: 114 Resp: 422066
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.4
 88 17.4 0.0 36.4

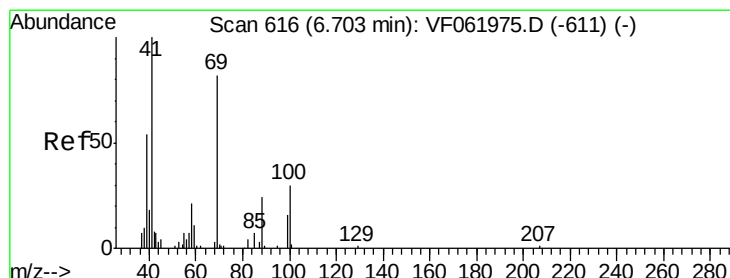
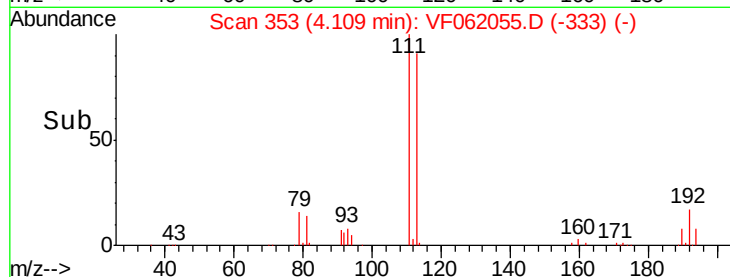
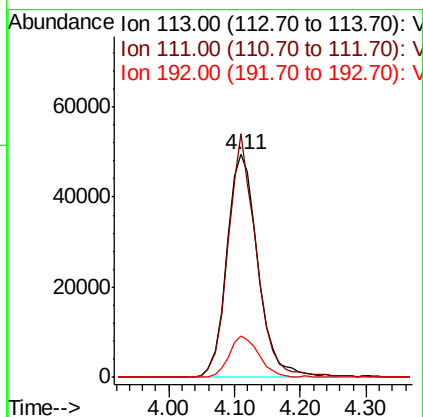
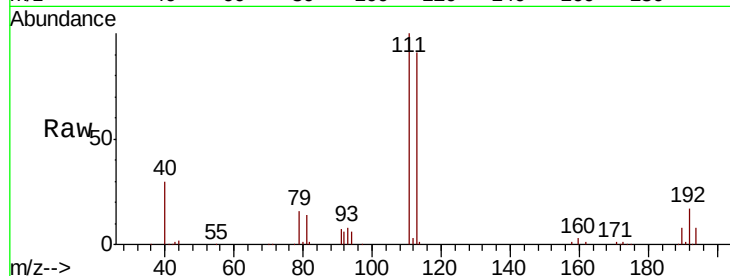




#35
 Dibromofluoromethane
 Concen: 58.004 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VF062055.D
 Acq: 21 Mar 2019 12:27

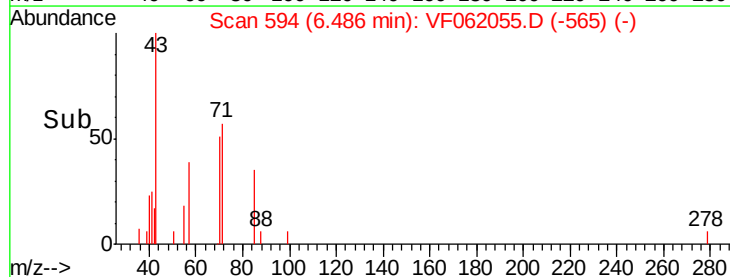
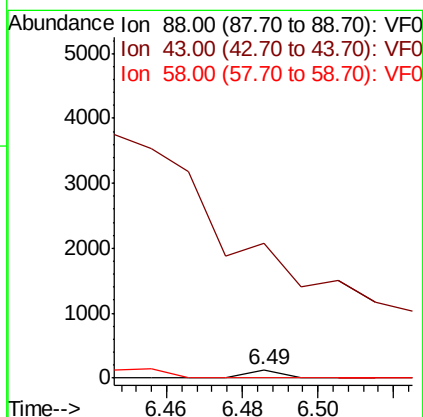
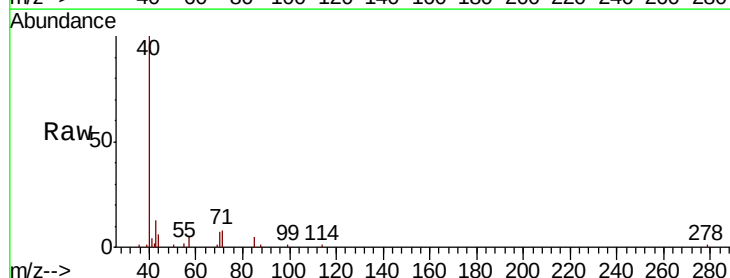
Instrument :
 MSVOA_F
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 VF0321SBL01

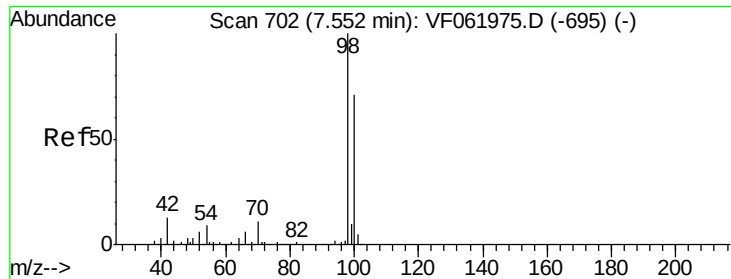
Tgt Ion: 113 Resp: 164399
 Ion Ratio Lower Upper
 113 100
 111 109.3 80.8 121.2
 192 19.1 13.0 19.6



#49
 1,4-Dioxane
 Concen: 6.271 ug/l
 RT: 6.49 min Scan# 594
 Delta R.T. -0.22 min
 Lab File: VF062055.D
 Acq: 21 Mar 2019 12:27

Tgt Ion: 88 Resp: 73
 Ion Ratio Lower Upper
 88 100
 43 1671.8 31.2 46.8#
 58 0.0 69.9 104.9#





#50

Toluene-d8

Concen: 49.962 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF062055.D

Acq: 21 Mar 2019 12:27

Instrument :

MSVOA_F

ClientSampleId :

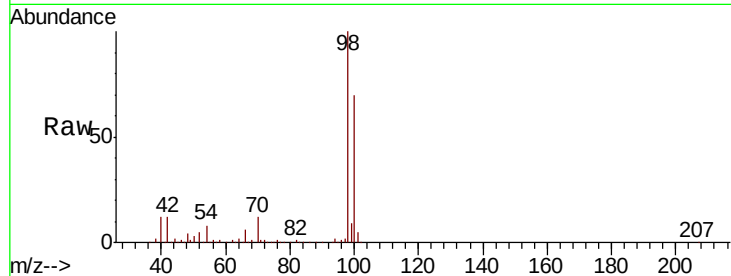
VF0321SBL01

Tgt Ion: 98 Resp: 413957

Ion Ratio Lower Upper

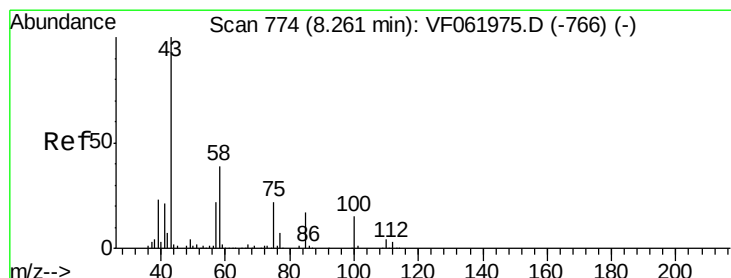
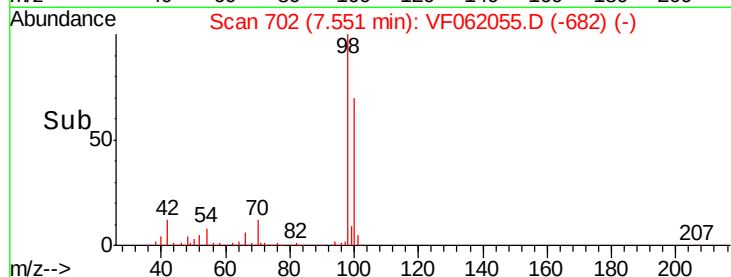
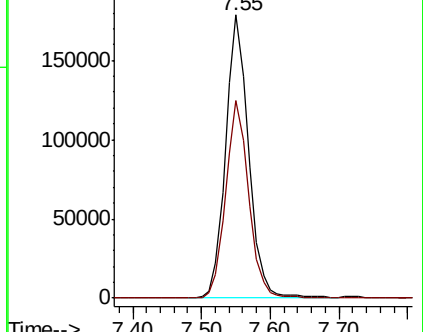
98 100

100 69.9 56.8 85.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#51

4-Methyl-2-Pentanone

Concen: 2.369 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF062055.D

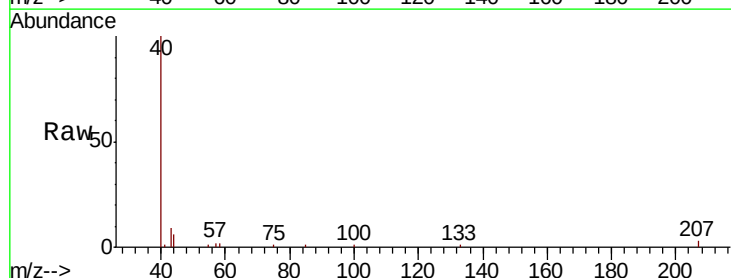
Acq: 21 Mar 2019 12:27

Tgt Ion: 43 Resp: 3406

Ion Ratio Lower Upper

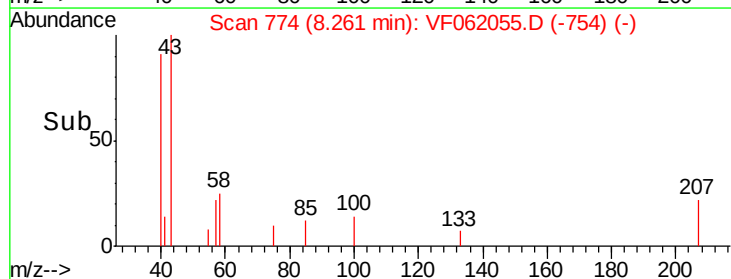
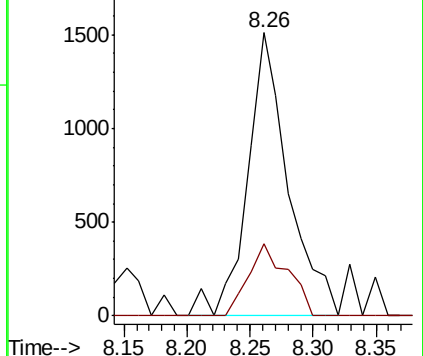
43 100

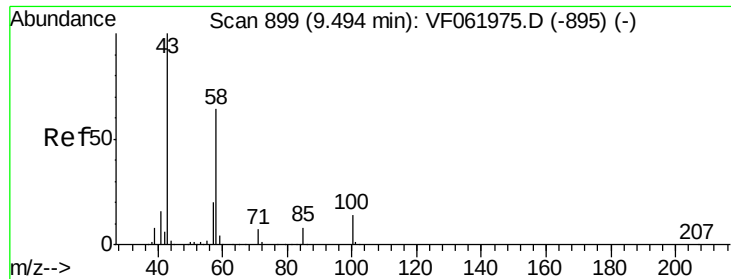
58 25.3 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#59

2-Hexanone

Concen: 4.742 ug/l

RT: 9.49 min Scan# 899

Delta R.T. -0.00 min

Lab File: VF062055.D

Acq: 21 Mar 2019 12:27

Instrument :

MSVOA_F

ClientSampleId :

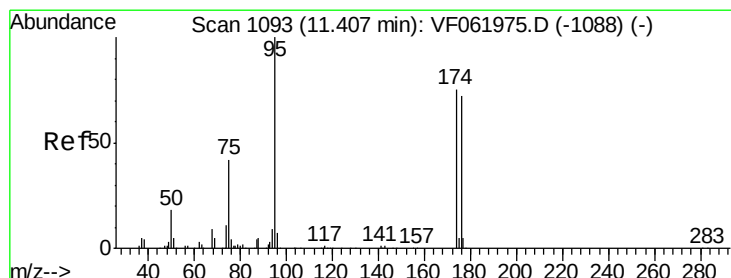
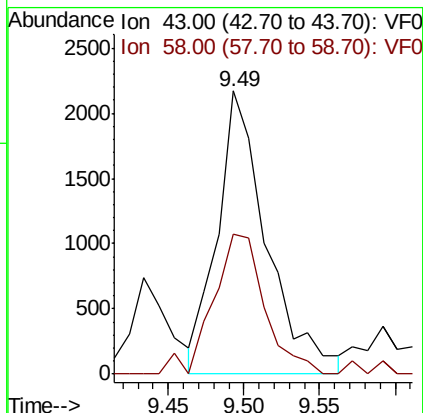
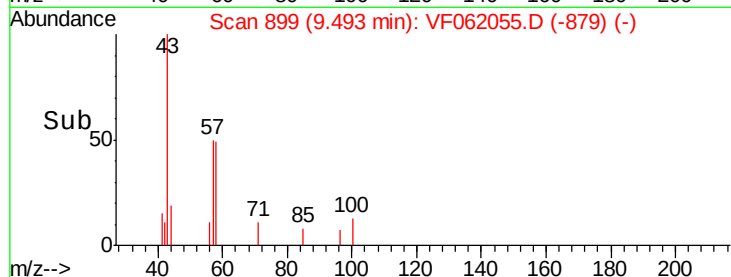
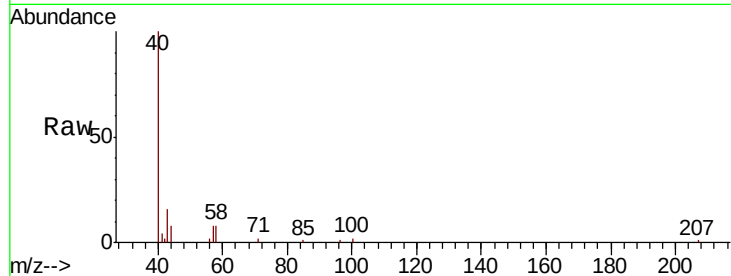
VF0321SBL01

Tgt Ion: 43 Resp: 4935

Ion Ratio Lower Upper

43 100

58 49.4 28.4 85.2



#62

4-Bromofluorobenzene

Concen: 53.525 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF062055.D

Acq: 21 Mar 2019 12:27

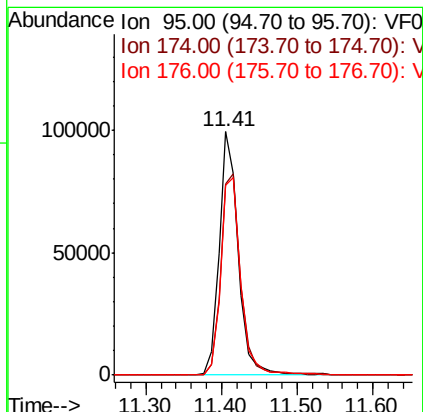
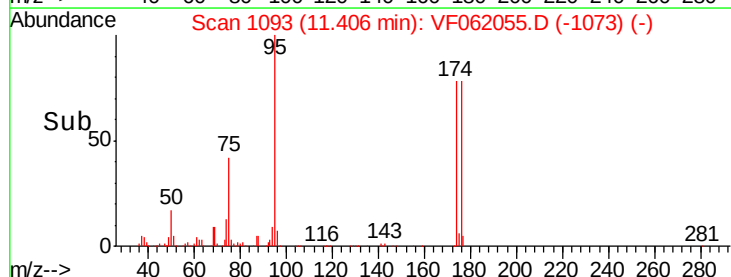
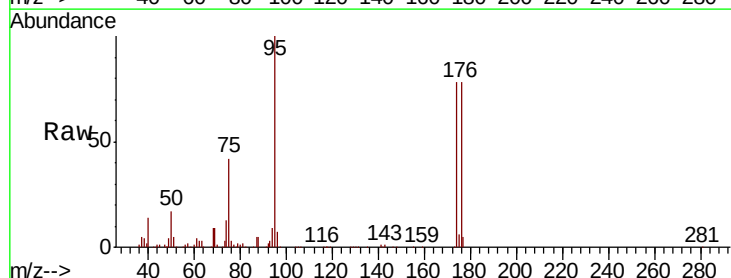
Tgt Ion: 95 Resp: 176176

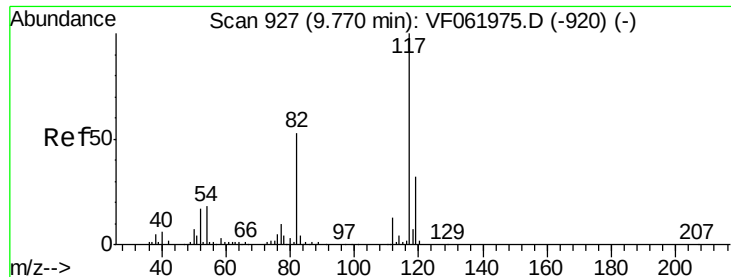
Ion Ratio Lower Upper

95 100

174 78.5 0.0 149.4

176 78.2 0.0 143.4

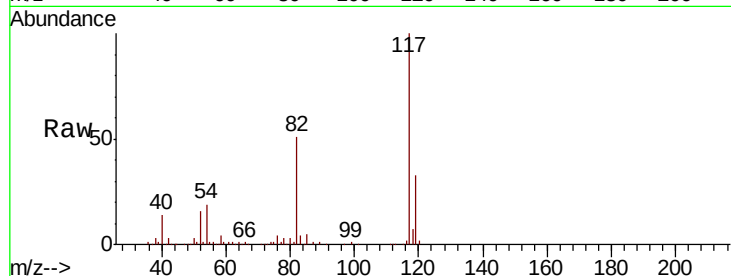




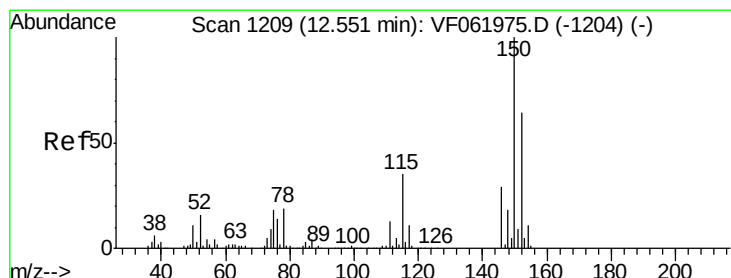
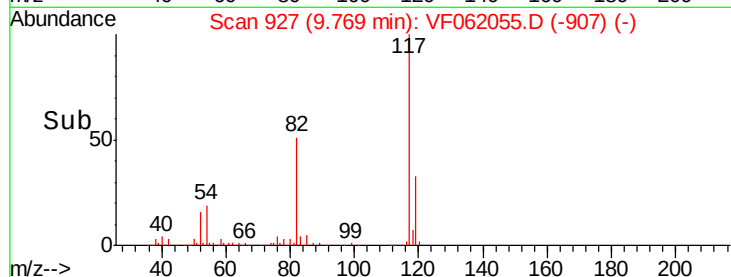
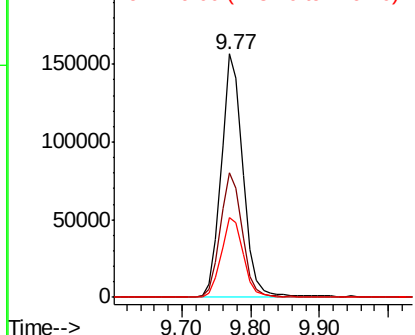
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF062055.D
Acq: 21 Mar 2019 12:27

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBL01

Tgt Ion:117 Resp: 344002
Ion Ratio Lower Upper
117 100
82 50.9 42.5 63.7
119 32.5 25.4 38.0

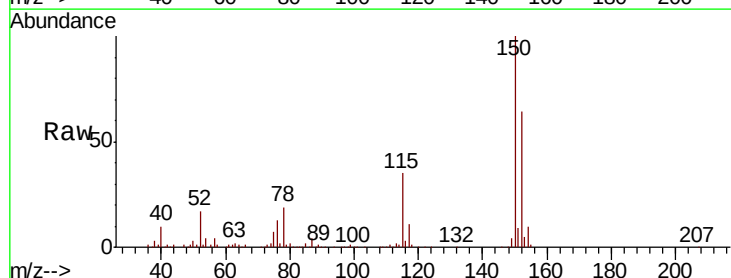


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

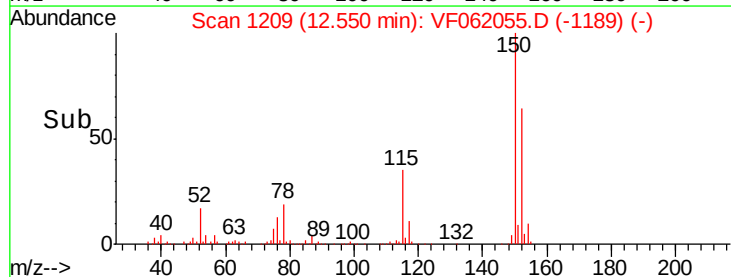
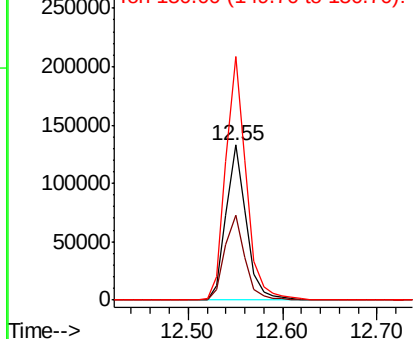


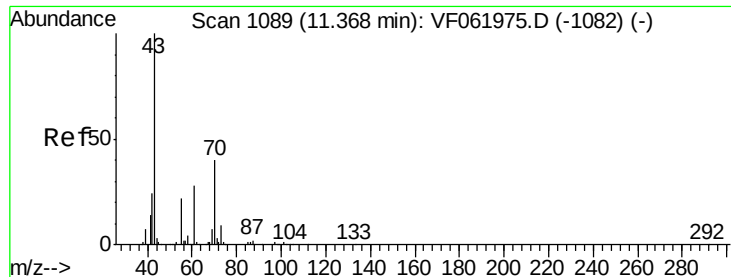
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF062055.D
Acq: 21 Mar 2019 12:27

Tgt Ion:152 Resp: 197867
Ion Ratio Lower Upper
152 100
115 54.8 27.3 81.9
150 156.9 0.0 316.2



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





#74

N-ethyl acetate

Concen: 1.209 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF062055.D

Acq: 21 Mar 2019 12:27

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBL01

Tgt Ion: 43 Resp: 3787

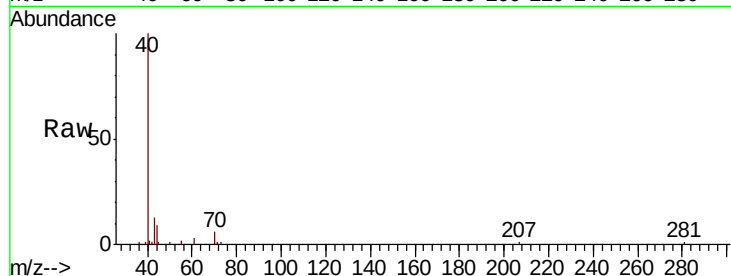
Ion Ratio Lower Upper

43 100

70 48.0 31.9 47.9#

55 13.7 17.9 26.9#

61 20.1 22.2 33.2#

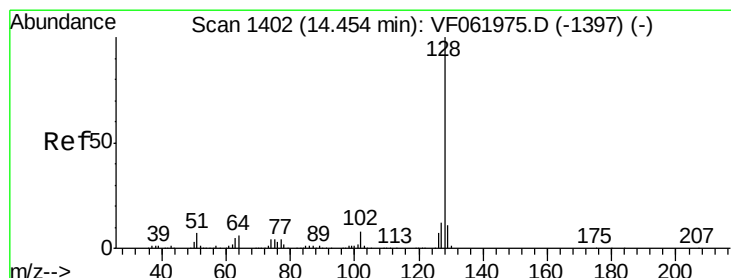
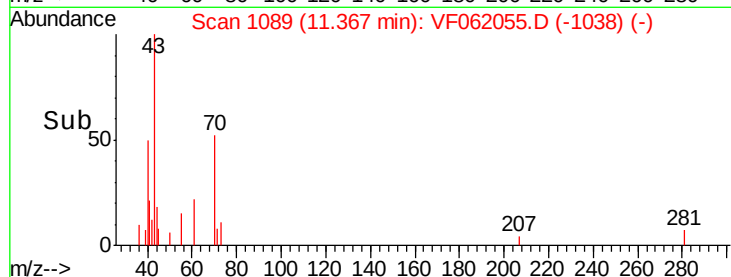
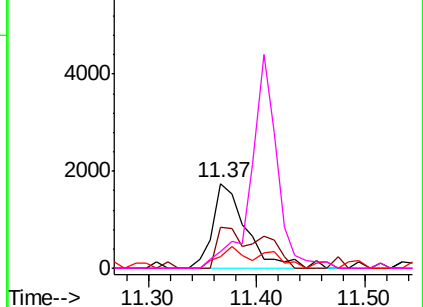


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 1.488 ug/l

RT: 14.46 min Scan# 1403

Delta R.T. 0.01 min

Lab File: VF062055.D

Acq: 21 Mar 2019 12:27

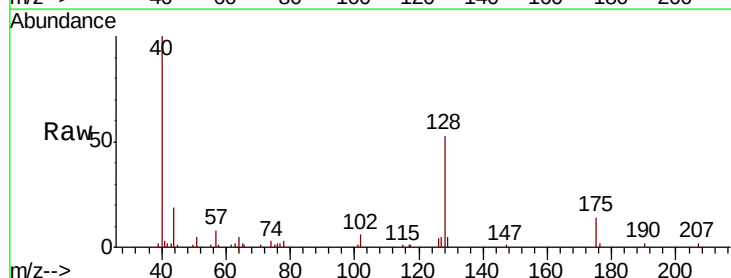
Tgt Ion: 128 Resp: 10737

Ion Ratio Lower Upper

128 100

127 8.6 9.3 13.9#

129 8.7 9.1 13.7#



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

