

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122718\
 Data File : VF061211.D
 Acq On : 27 Dec 2018 16:40
 Operator : VA/AP
 Sample : J6447-05
 Misc : 5.71g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS024-1824-01

Quant Time: Dec 27 23:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	128081	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	219296	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	172644	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	67434	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	91946	55.81	ug/l	-0.02
Spiked Amount			Recovery	=	111.62%	
35) Dibromofluoromethane	4.09	113	97671	55.60	ug/l	-0.02
Spiked Amount			Recovery	=	111.20%	
50) Toluene-d8	7.53	98	215228	43.23	ug/l	-0.02
Spiked Amount			Recovery	=	86.46%	
62) 4-Bromofluorobenzene	11.40	95	84816	36.96	ug/l	-0.01
Spiked Amount			Recovery	=	73.92%	

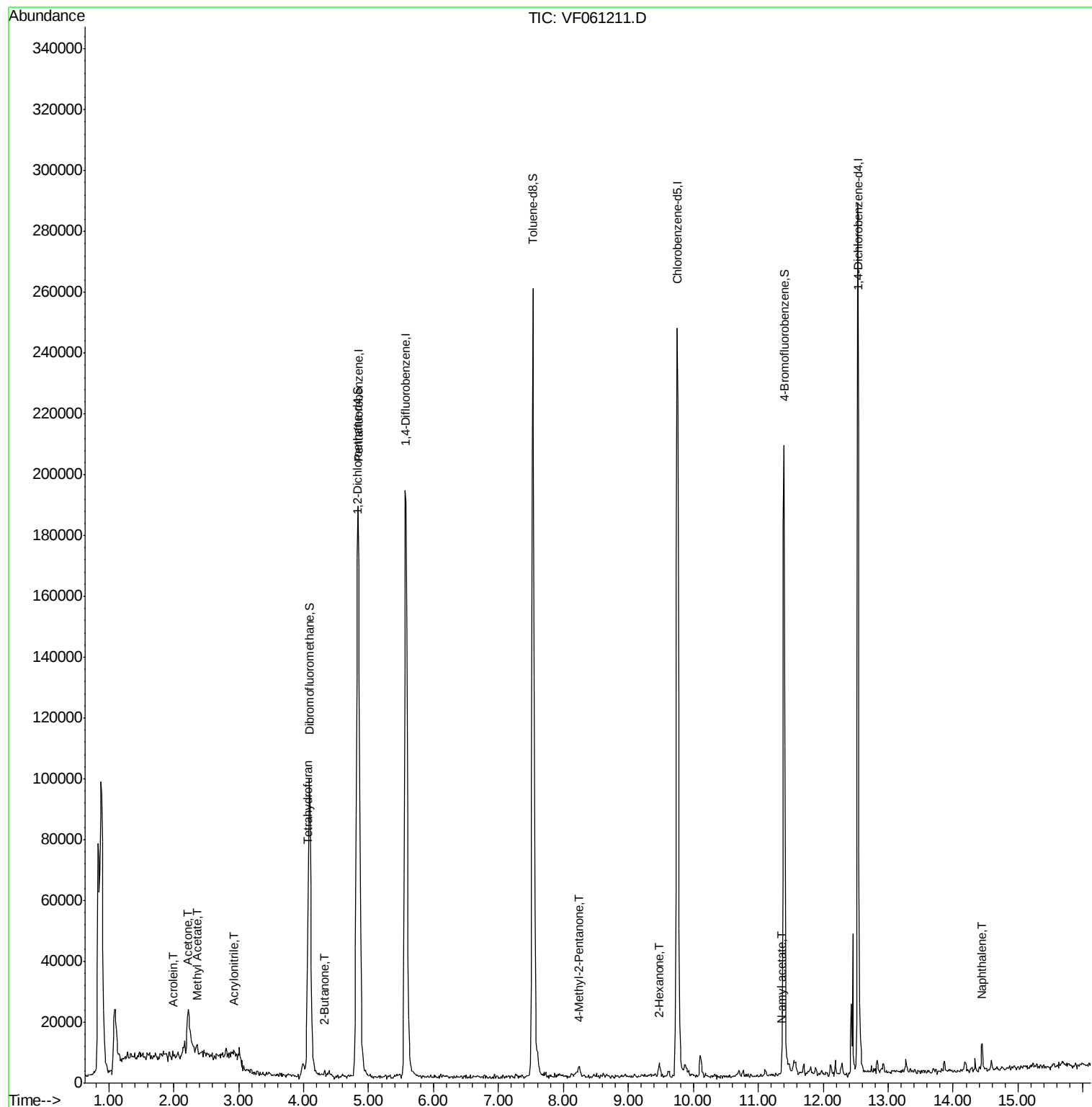
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.00	56	508	10.575	ug/l	94
15) Acrylonitrile	2.93	53	893	5.809	ug/l #	72
16) Acetone	2.22	43	22357	67.888	ug/l	98
18) Methyl Acetate	2.36	43	2217	3.254	ug/l #	66
20) Methylene Chloride	2.24	84	3787	Below Cal	#	74
25) 2-Butanone	4.32	43	3004	5.624	ug/l #	80
29) Tetrahydrofuran	4.06	42	1179	5.424	ug/l #	63
51) 4-Methyl-2-Pentanone	8.24	43	4251	4.850	ug/l #	73
59) 2-Hexanone	9.47	43	4379	6.908	ug/l	94
70) Styrene	10.77	104	946	Below Cal	#	71
74) N-amyl acetate	11.35	43	1876	1.454	ug/l #	83
87) 1,3-Dichlorobenzene	12.46	146	968	Below Cal	#	74
95) Naphthalene	14.45	128	6556	2.264	ug/l	96

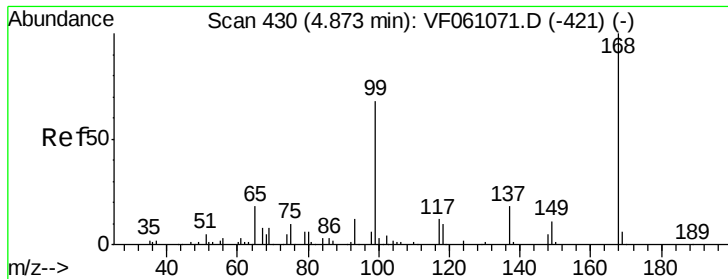
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF122718\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061211.D

Acq: 27 Dec 2018 16:40

Instrument :

MSVOA_F

ClientSampleId :

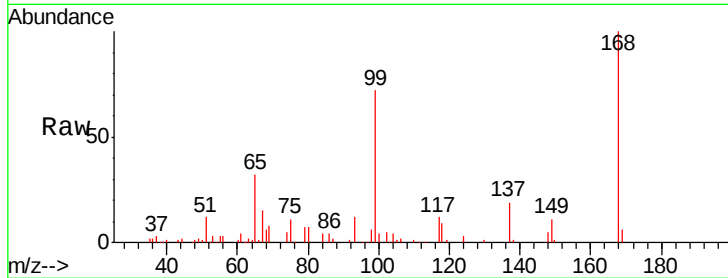
P001-SS024-1824-01

Tgt Ion:168 Resp: 128081

Ion Ratio Lower Upper

168 100

99 71.8 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

40000

30000

20000

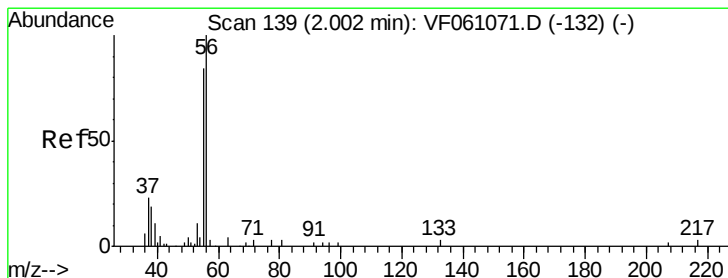
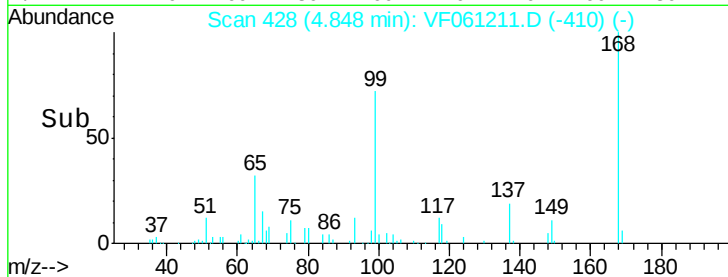
10000

0

4.80

5.00

Time-->



#13

Acrolein

Concen: 10.575 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061211.D

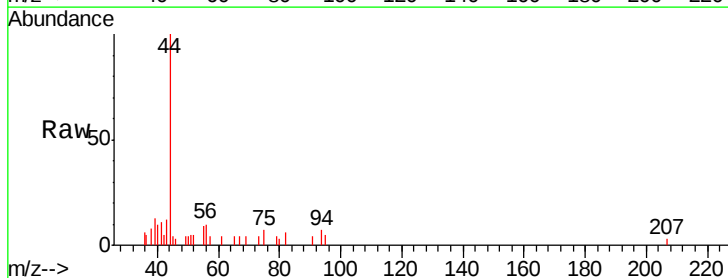
Acq: 27 Dec 2018 16:40

Tgt Ion: 56 Resp: 508

Ion Ratio Lower Upper

56 100

55 92.8 70.2 105.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

400

300

200

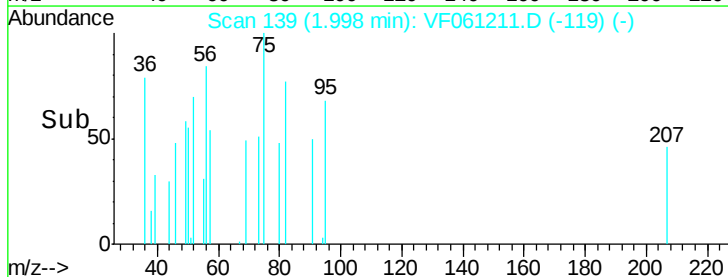
100

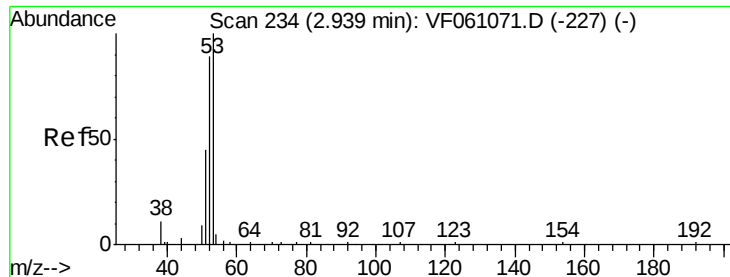
0

1.95

2.00

Time-->





#15

Acrylonitrile

Concen: 5.809 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061211.D

Acq: 27 Dec 2018 16:40

Instrument :

MSVOA_F

ClientSampleId :

P001-SS024-1824-01

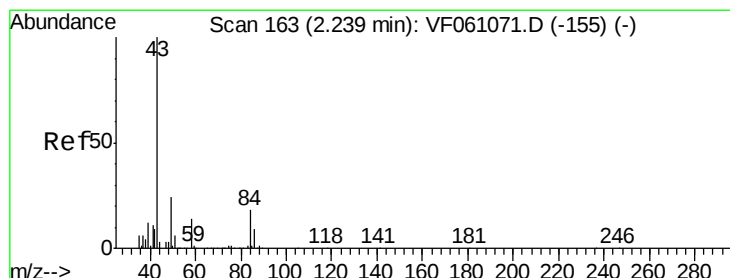
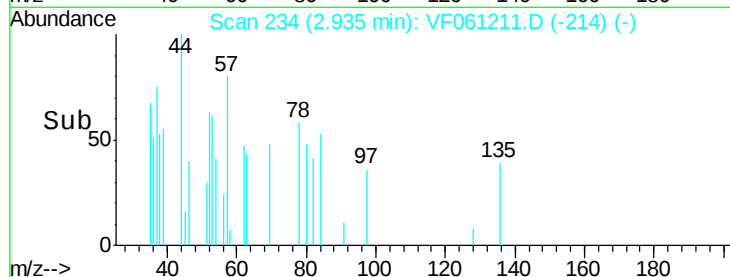
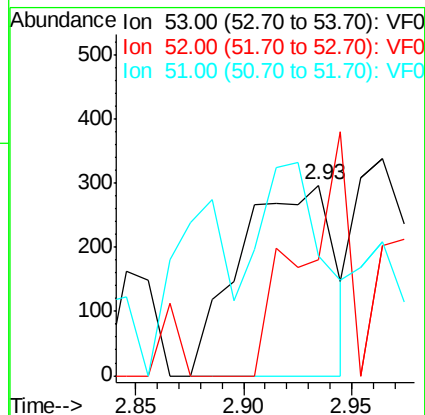
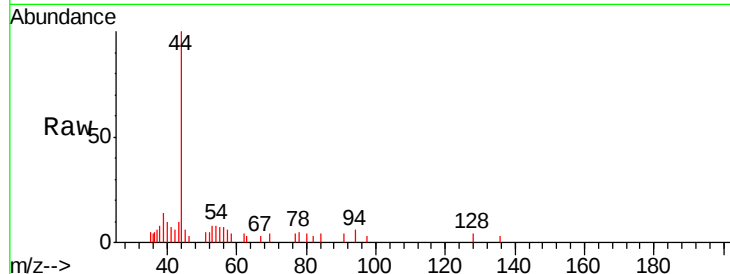
Tgt Ion: 53 Resp: 893

Ion Ratio Lower Upper

53 100

52 60.9 71.3 106.9#

51 62.6 36.8 55.2#



#16

Acetone

Concen: 67.888 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061211.D

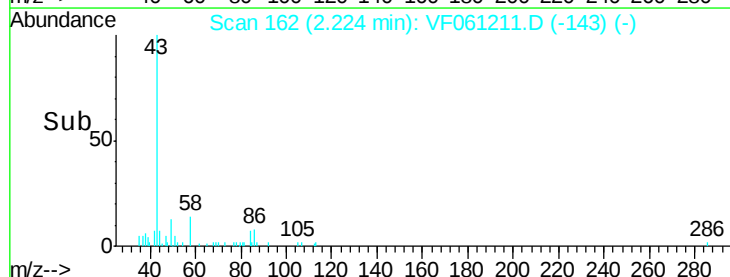
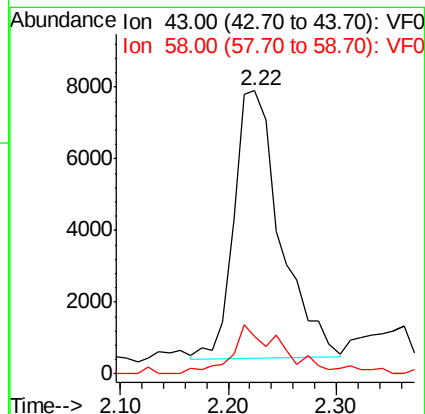
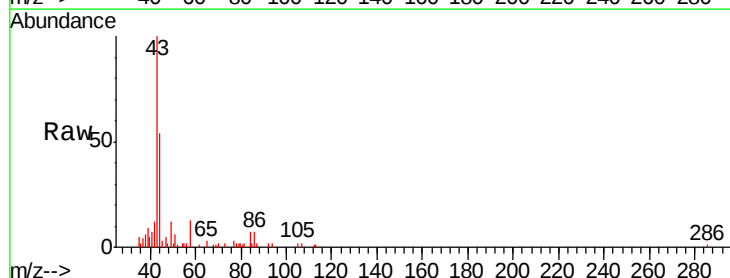
Acq: 27 Dec 2018 16:40

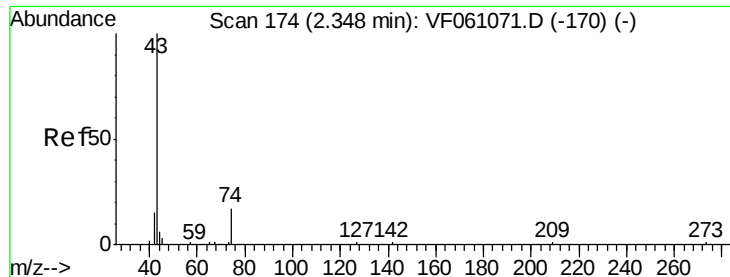
Tgt Ion: 43 Resp: 22357

Ion Ratio Lower Upper

43 100

58 13.2 11.1 16.7

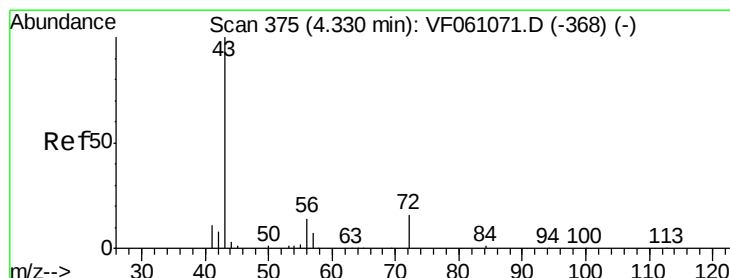
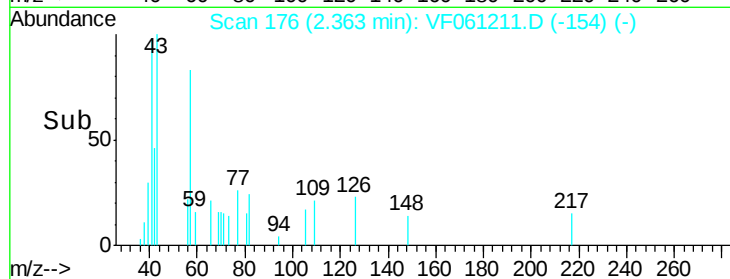
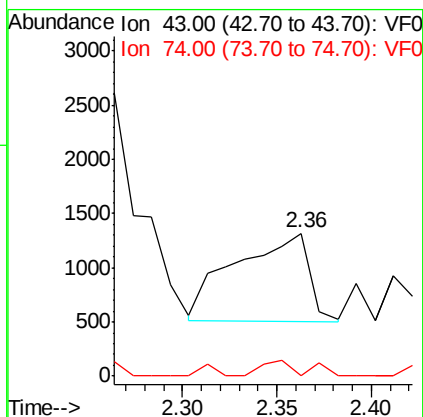
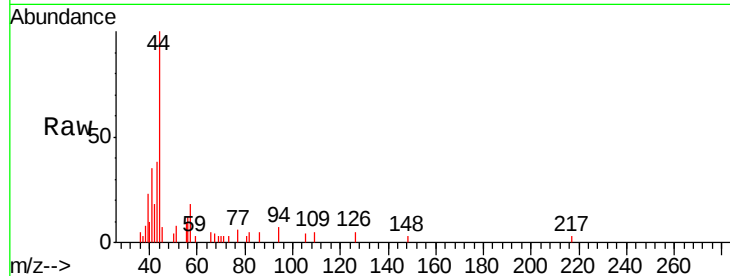




#18
Methyl Acetate
Concen: 3.254 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF061211.D
Acq: 27 Dec 2018 16:40

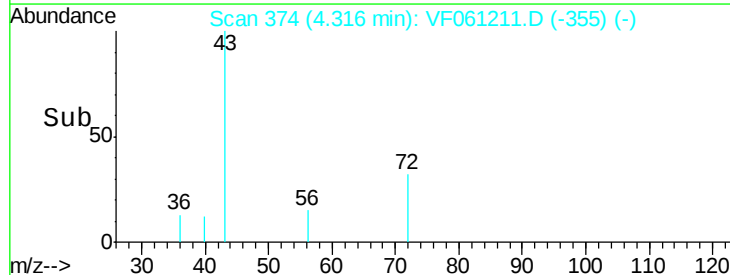
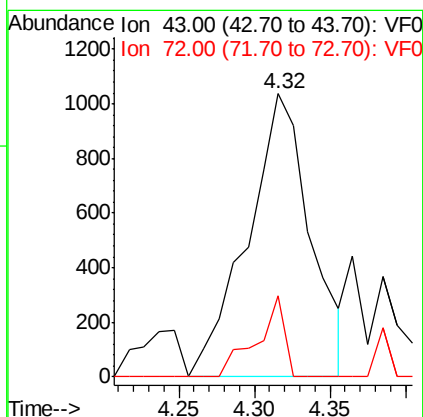
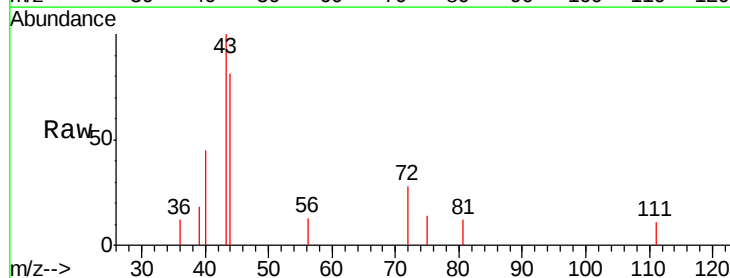
Instrument :
MSVOA_F
ClientSampleId :
P001-SS024-1824-01

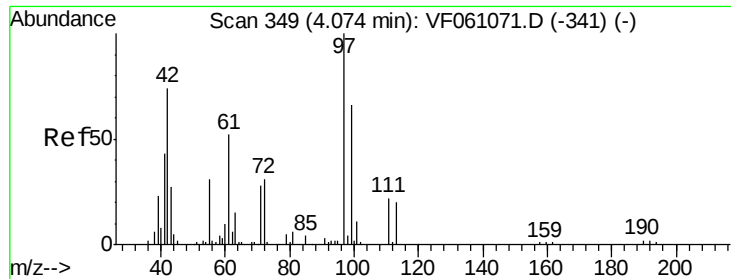
Tgt Ion: 43 Resp: 2217
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.6#



#25
2-Butanone
Concen: 5.624 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.01 min
Lab File: VF061211.D
Acq: 27 Dec 2018 16:40

Tgt Ion: 43 Resp: 3004
Ion Ratio Lower Upper
43 100
72 28.4 15.6 23.4#





#29

Tetrahydrofuran

Concen: 5.424 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.01 min

Lab File: VF061211.D

Acq: 27 Dec 2018 16:40

Instrument :

MSVOA_F

ClientSampleId :

P001-SS024-1824-01

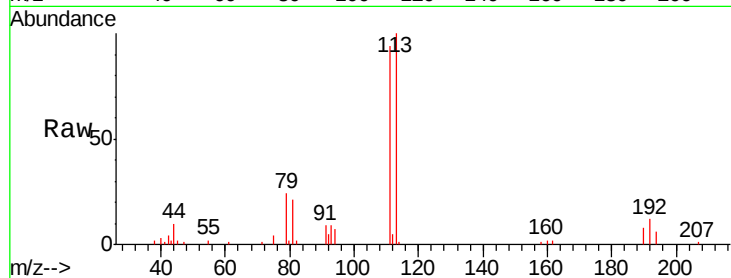
Tgt Ion: 42 Resp: 1179

Ion Ratio Lower Upper

42 100

72 5.3 31.8 47.8#

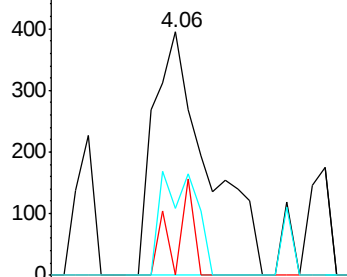
71 27.5 29.7 44.5#



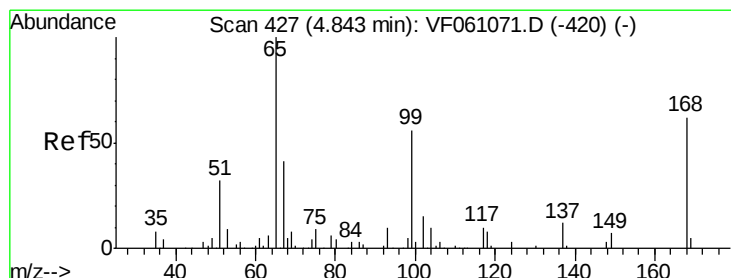
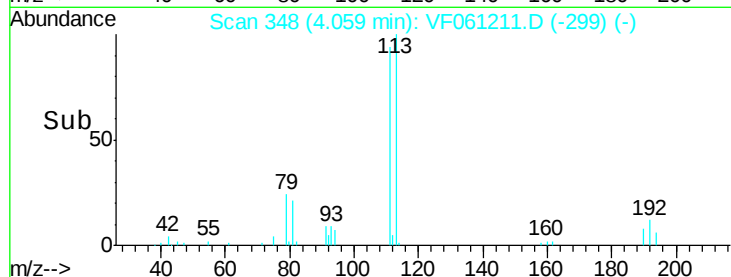
Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.815 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061211.D

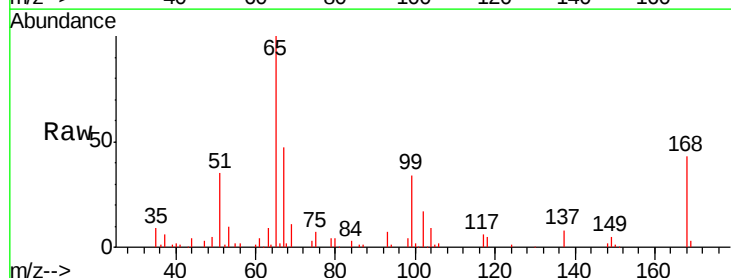
Acq: 27 Dec 2018 16:40

Tgt Ion: 65 Resp: 91946

Ion Ratio Lower Upper

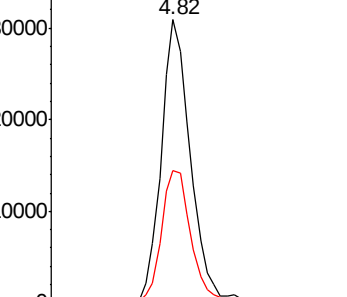
65 100

67 47.0 0.0 94.6

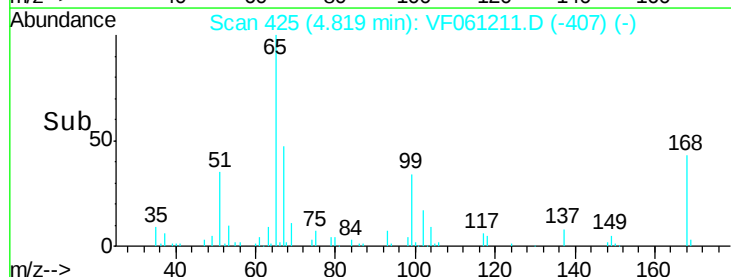


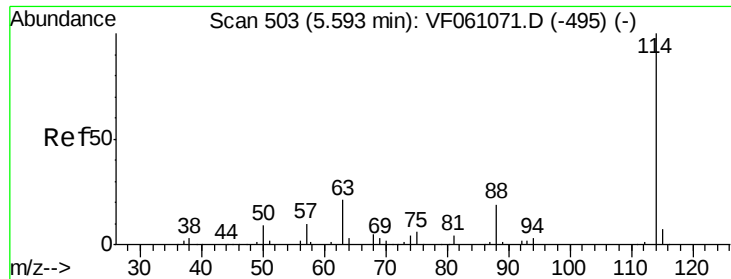
Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



Time-->

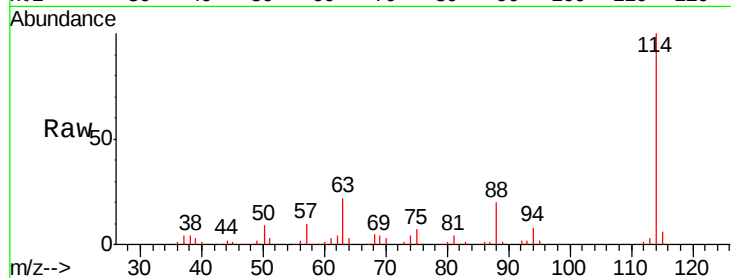




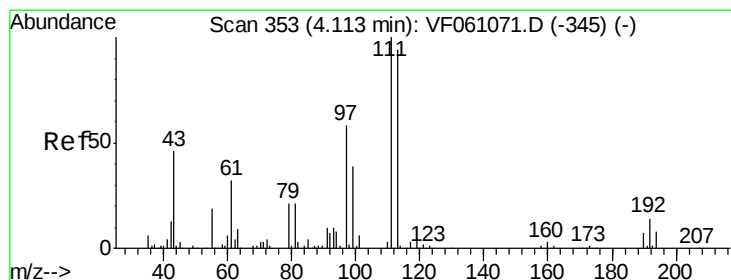
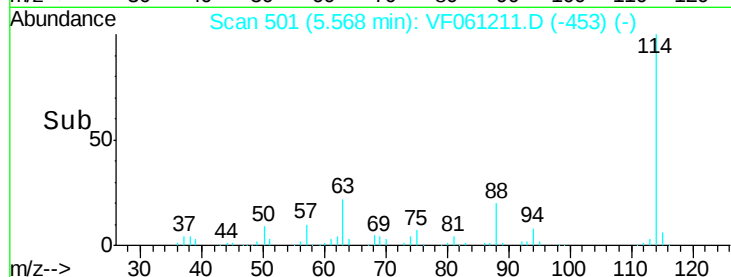
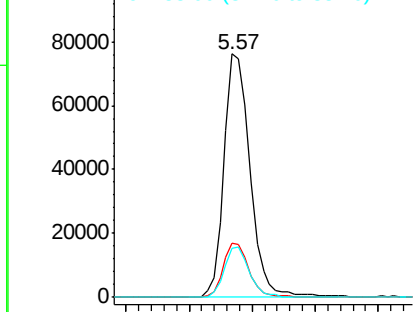
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.02 min
 Lab File: VF061211.D
 Acq: 27 Dec 2018 16:40

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS024-1824-01

Tgt Ion:114 Resp: 219296
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 41.6
 88 20.2 0.0 38.0

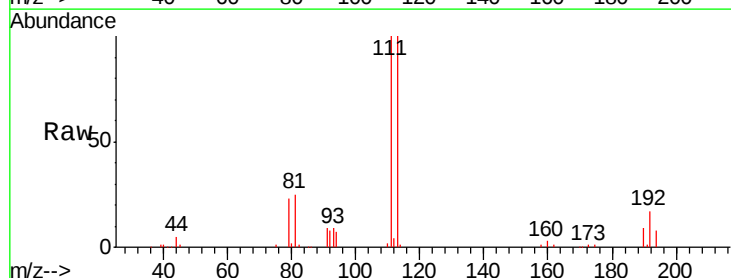


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

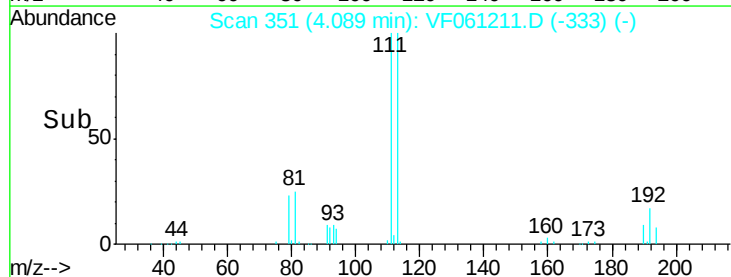
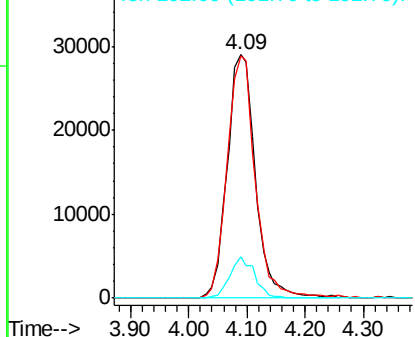


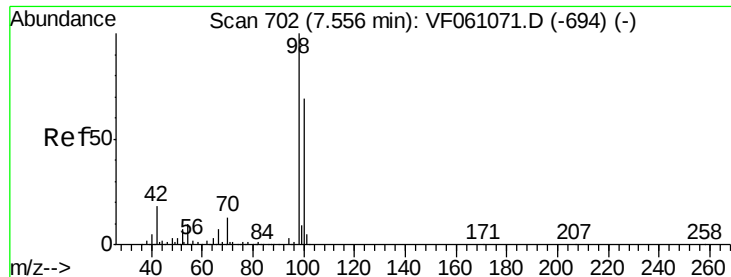
#35
 Dibromofluoromethane
 Concen: 55.600 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VF061211.D
 Acq: 27 Dec 2018 16:40

Tgt Ion:113 Resp: 97671
 Ion Ratio Lower Upper
 113 100
 111 99.5 85.2 127.8
 192 16.8 12.8 19.2



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





#50

Toluene-d8

Concen: 43.234 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF061211.D

Acq: 27 Dec 2018 16:40

Instrument :

MSVOA_F

ClientSampleId :

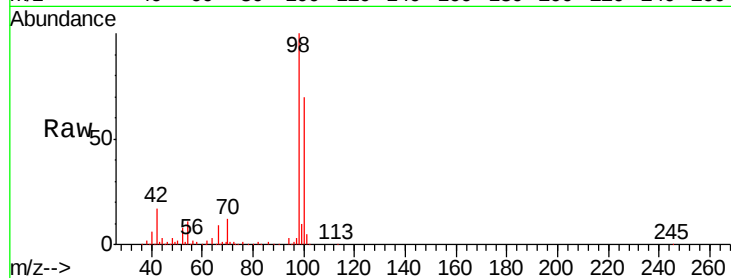
P001-SS024-1824-01

Tgt Ion: 98 Resp: 215228

Ion Ratio Lower Upper

98 100

100 70.4 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.53

100000

80000

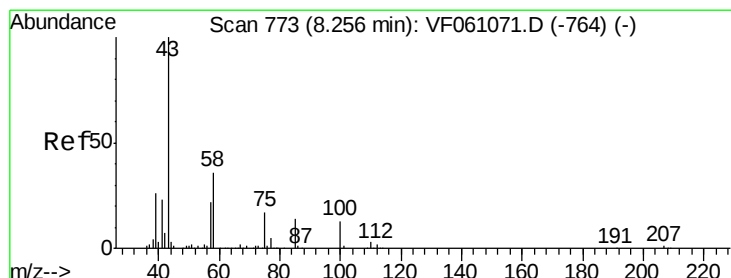
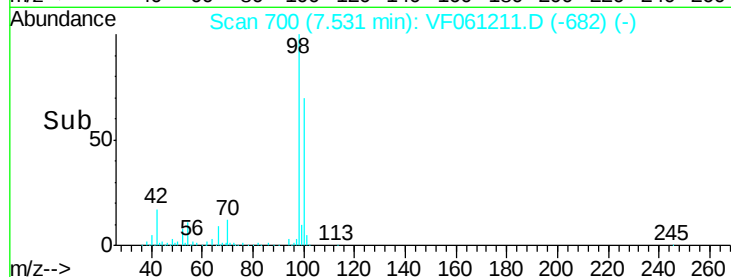
60000

40000

20000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 4.850 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061211.D

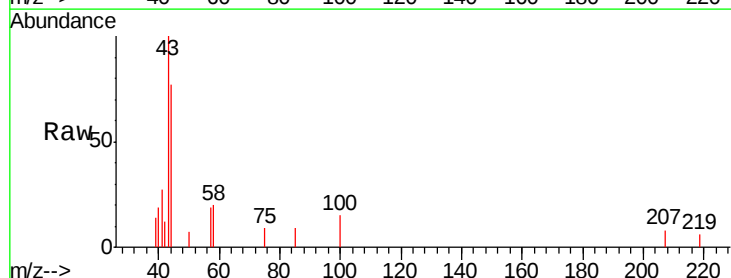
Acq: 27 Dec 2018 16:40

Tgt Ion: 43 Resp: 4251

Ion Ratio Lower Upper

43 100

58 20.4 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.24

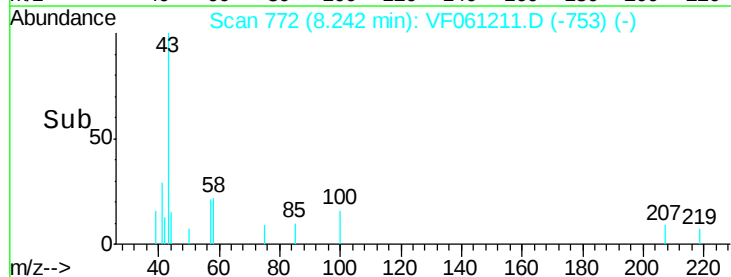
1500

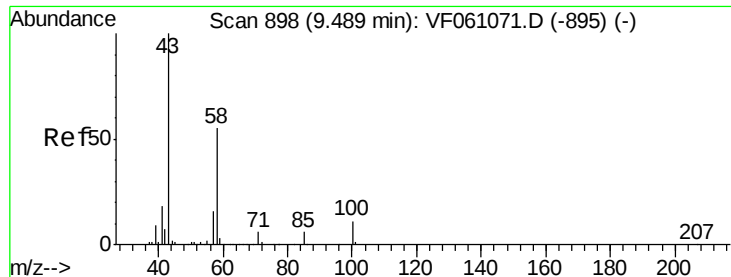
1000

500

0

Time-->

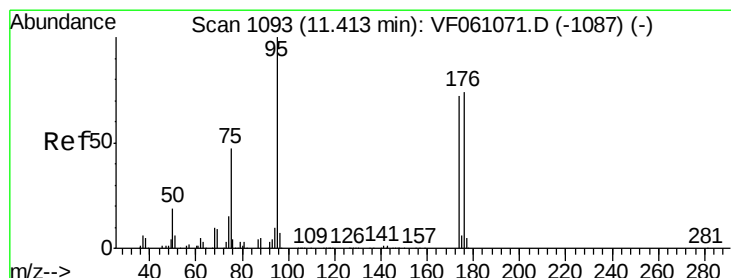
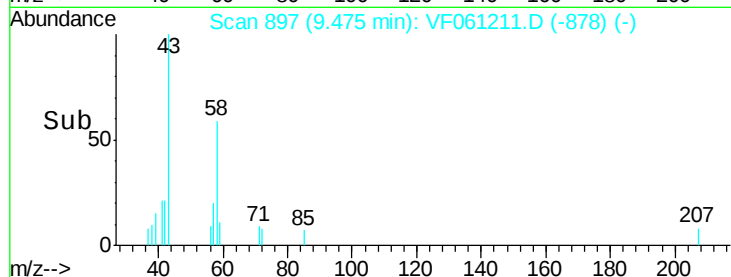
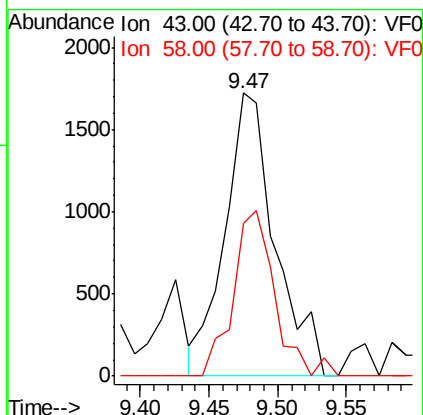
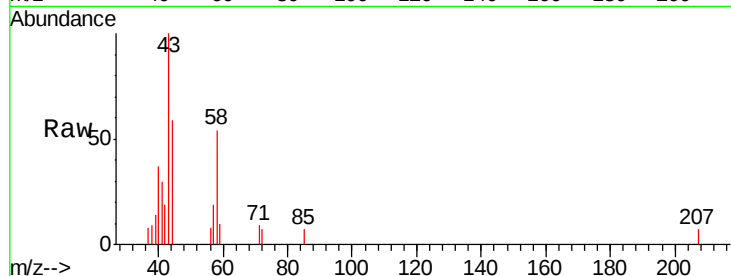




#59
2-Hexanone
Concen: 6.908 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF061211.D
Acq: 27 Dec 2018 16:40

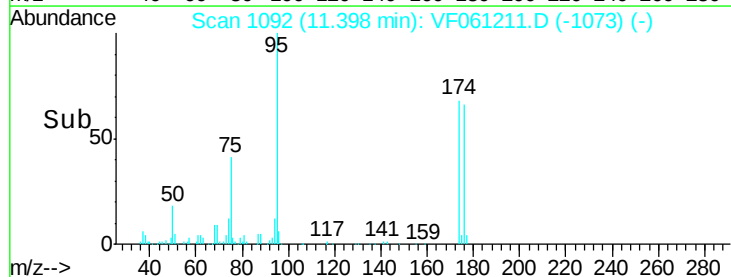
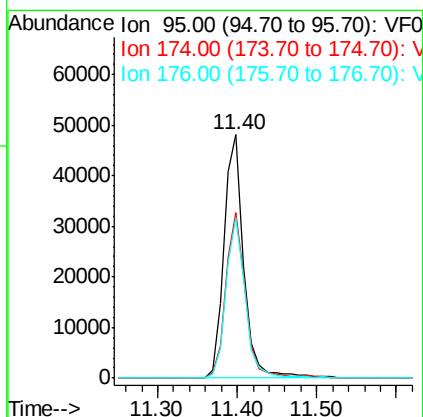
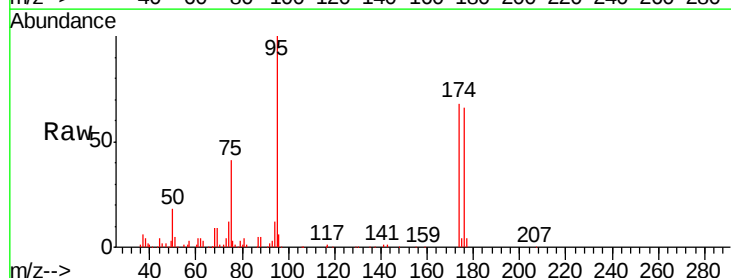
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MSVOA_F
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P001-SS024-1824-01

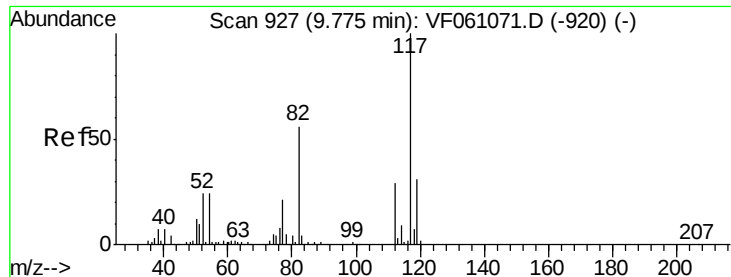
Tgt Ion: 43 Resp: 4379
Ion Ratio Lower Upper
43 100
58 54.1 25.1 75.2



#62
4-Bromofluorobenzene
Concen: 36.956 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061211.D
Acq: 27 Dec 2018 16:40

Tgt Ion: 95 Resp: 84816
Ion Ratio Lower Upper
95 100
174 68.1 0.0 143.8
176 65.8 0.0 147.6

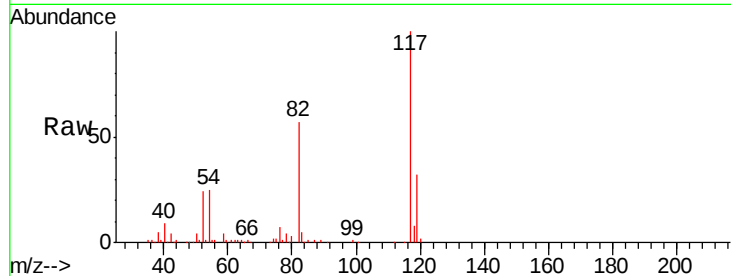




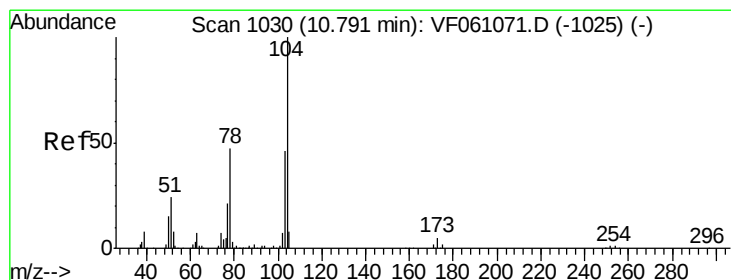
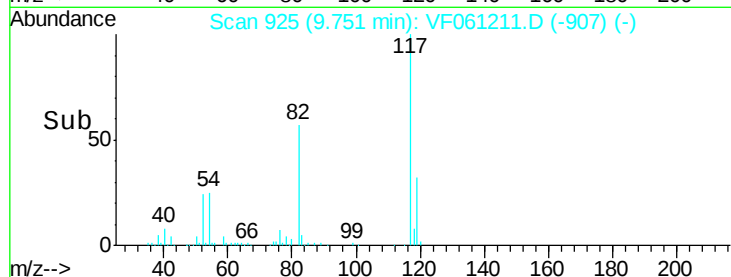
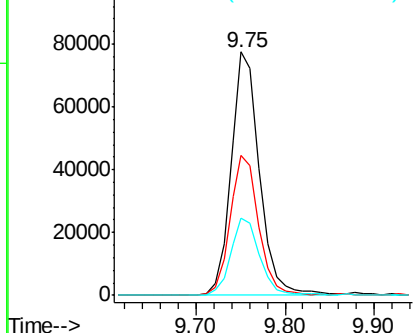
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061211.D
Acq: 27 Dec 2018 16:40

Instrument :
MSVOA_F
ClientSampleId :
P001-SS024-1824-01

Tgt Ion:117 Resp: 172644
Ion Ratio Lower Upper
117 100
82 57.2 45.0 67.4
119 31.7 24.8 37.2

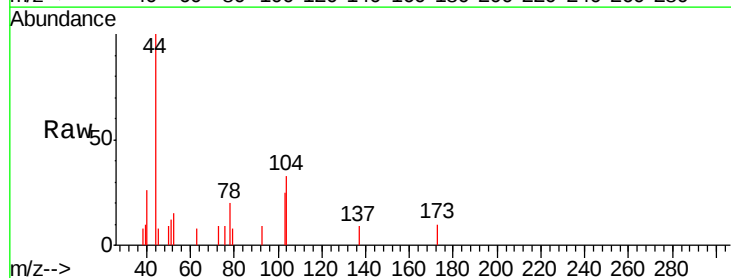


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

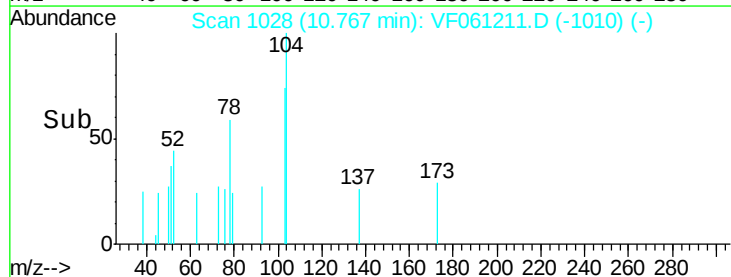
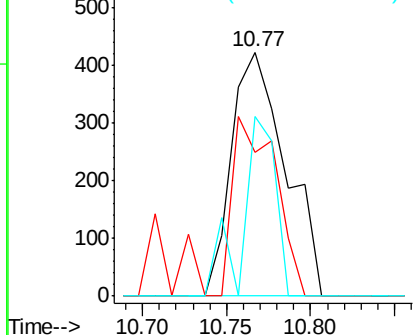


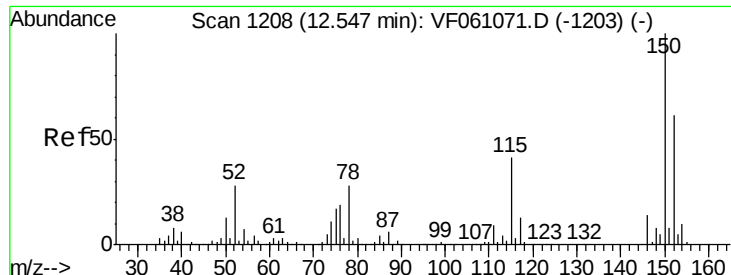
#70
Styrene
Concen: Below Cal
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061211.D
Acq: 27 Dec 2018 16:40

Tgt Ion:104 Resp: 946
Ion Ratio Lower Upper
104 100
78 58.9 38.4 57.6#
103 73.8 37.0 55.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V



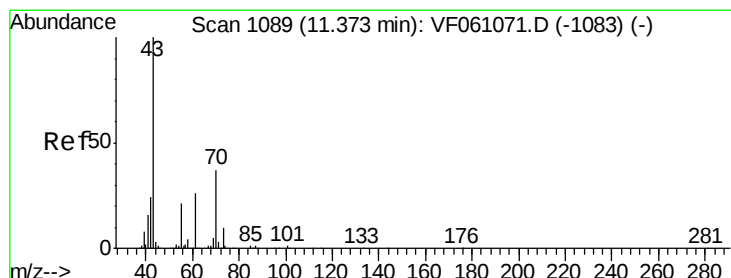
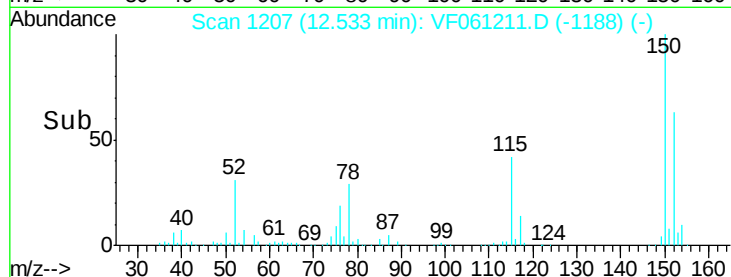
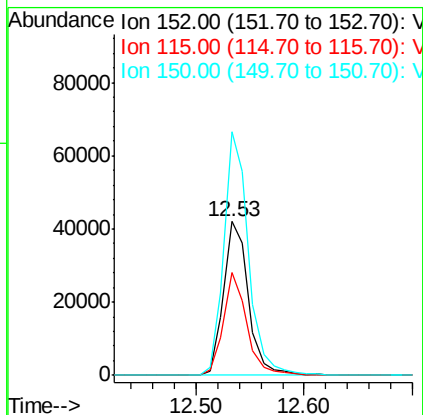
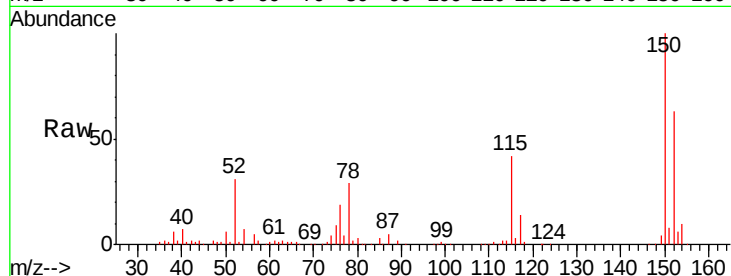


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061211.D
Acq: 27 Dec 2018 16:40

Instrument :
MSVOA_F
ClientSampleId :
P001-SS024-1824-01

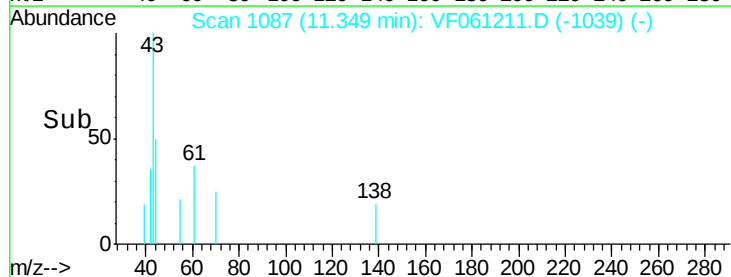
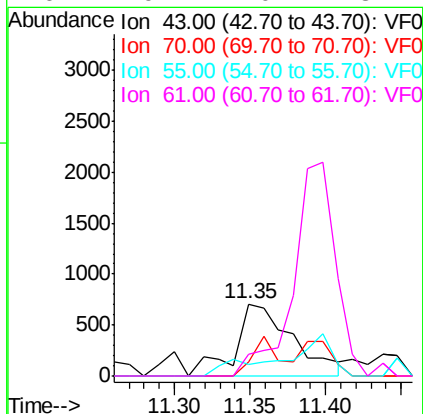
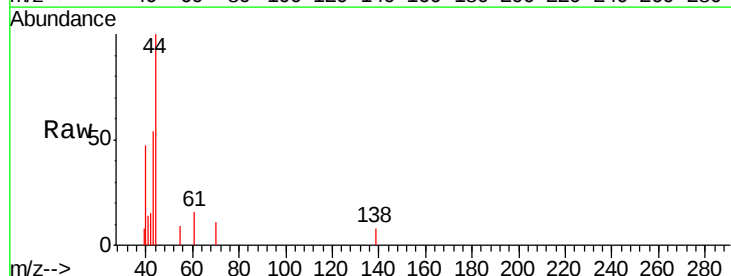
Tgt Ion:152 Resp: 67434
Ion Ratio Lower Upper
152 100
115 66.8 33.3 99.9
150 158.6 0.0 328.2

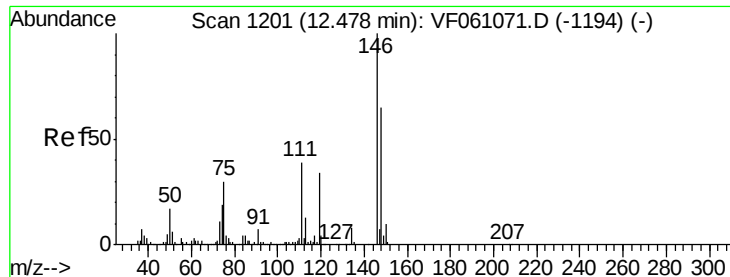


#74

N-ethyl acetate
Concen: 1.454 ug/l
RT: 11.35 min Scan# 1087
Delta R.T. -0.02 min
Lab File: VF061211.D
Acq: 27 Dec 2018 16:40

Tgt Ion: 43 Resp: 1876
Ion Ratio Lower Upper
43 100
70 19.9 29.2 43.8#
55 16.3 16.5 24.7#
61 29.4 20.7 31.1





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.46 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF061211.D

Acq: 27 Dec 2018 16:40

Instrument :

MSVOA_F

ClientSampleId :

P001-SS024-1824-01

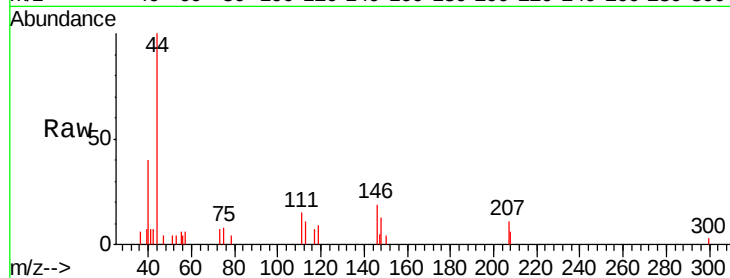
Tgt Ion:146 Resp: 968

Ion Ratio Lower Upper

146 100

111 77.8 19.3 57.9#

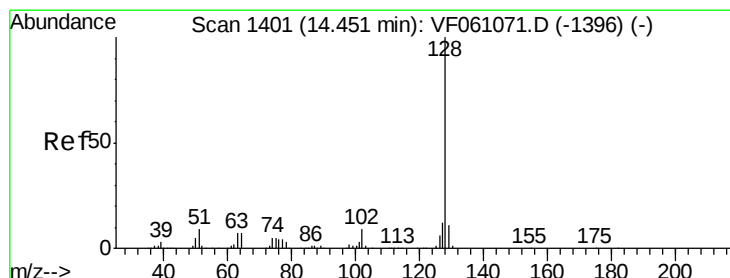
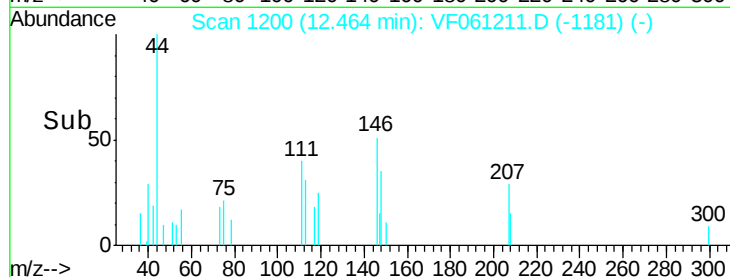
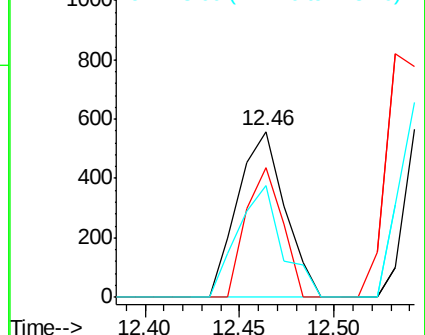
148 67.4 32.4 97.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#95

Naphthalene

Concen: 2.264 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061211.D

Acq: 27 Dec 2018 16:40

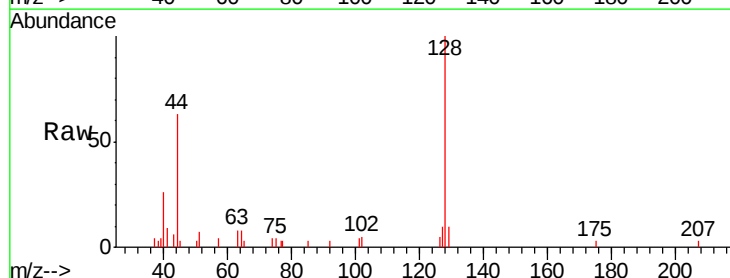
Tgt Ion:128 Resp: 6556

Ion Ratio Lower Upper

128 100

127 9.8 9.4 14.2

129 10.3 8.8 13.2



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

