

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
 Data File : VF061111.D
 Acq On : 20 Dec 2018 16:42
 Operator : VA/AP
 Sample : J6377-12
 Misc : 4.64g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 21 06:43:12 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	4.89	168	11058	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	12652	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.78	117	7014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	1838	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.70	65	69	0.49	ug/l	-0.14
Spiked Amount			Recovery	=		0.98%
35) Dibromofluoromethane	4.12	113	2635	26.00	ug/l	0.00
Spiked Amount			Recovery	=		52.00%
50) Toluene-d8	7.56	98	10252	35.69	ug/l	0.00
Spiked Amount			Recovery	=		71.38%
62) 4-Bromofluorobenzene	11.42	95	1924	14.53	ug/l	0.00
Spiked Amount			Recovery	=		29.06%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.18	50	207	1.470	ug/l #	67
5) Bromomethane	1.33	94	146	1.612	ug/l #	3
6) Chloroethane	1.48	64	65	1.080	ug/l #	36
8) Diethyl Ether	1.65	74	82	2.401	ug/l	61
11) Tert butyl alcohol	2.54	59	76	13.242	ug/l #	1
12) 1,1-Dichloroethene	1.83	96	127	1.303	ug/l #	1
13) Acrolein	2.07	56	210	50.636	ug/l	94
14) Allyl chloride	2.10	41	450	4.436	ug/l #	43
15) Acrylonitrile	2.94	53	370	27.879	ug/l #	32
16) Acetone	2.22	43	1172	41.221	ug/l #	66
18) Methyl Acetate	2.38	43	1061	18.037	ug/l #	66
19) Methyl tert-butyl Ether	2.43	73	219	1.012	ug/l #	1
20) Methylene Chloride	2.28	84	88	Below Cal	#	8
21) trans-1,2-Dichloroethene	2.29	96	324	3.108	ug/l #	1
22) Diisopropyl ether	2.82	45	435	1.287	ug/l #	52
23) Vinyl Acetate	3.23	43	897	5.754	ug/l #	78
25) 2-Butanone	4.33	43	301	6.528	ug/l #	57
29) Tetrahydrofuran	4.08	42	78	4.156	ug/l #	19
37) Ethyl Acetate	4.12	43	173	2.355	ug/l #	21
41) Methacrylonitrile	4.76	41	413	12.805	ug/l #	50
43) Isopropyl Acetate	6.98	43	216	2.929	ug/l #	45
46) Dibromomethane	6.23	93	72	1.242	ug/l #	5
48) Methyl methacrylate	6.72	41	141	2.739	ug/l #	19
51) 4-Methyl-2-Pentanone	8.26	43	284	5.616	ug/l	91
52) Toluene	7.63	92	292	1.343	ug/l	81
55) 1,1,2-Trichloroethane	8.59	97	69	1.059	ug/l #	12
59) 2-Hexanone	9.50	43	259	7.082	ug/l #	27
68) m/p-Xylenes	10.15	106	856	9.214	ug/l	78
74) N-amyl acetate	11.39	43	177	5.033	ug/l #	46
79) 2-Chlorotoluene	11.69	91	215	1.979	ug/l #	42
84) 1,2,4-Trimethylbenzene	12.21	105	225	1.730	ug/l #	29
85) sec-Butylbenzene	12.21	105	225	1.285	ug/l #	58
87) 1,3-Dichlorobenzene	12.57	146	102	Below Cal	#	25
88) 1,4-Dichlorobenzene	12.57	146	102	1.629	ug/l #	25

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Response via : Initial Calibration

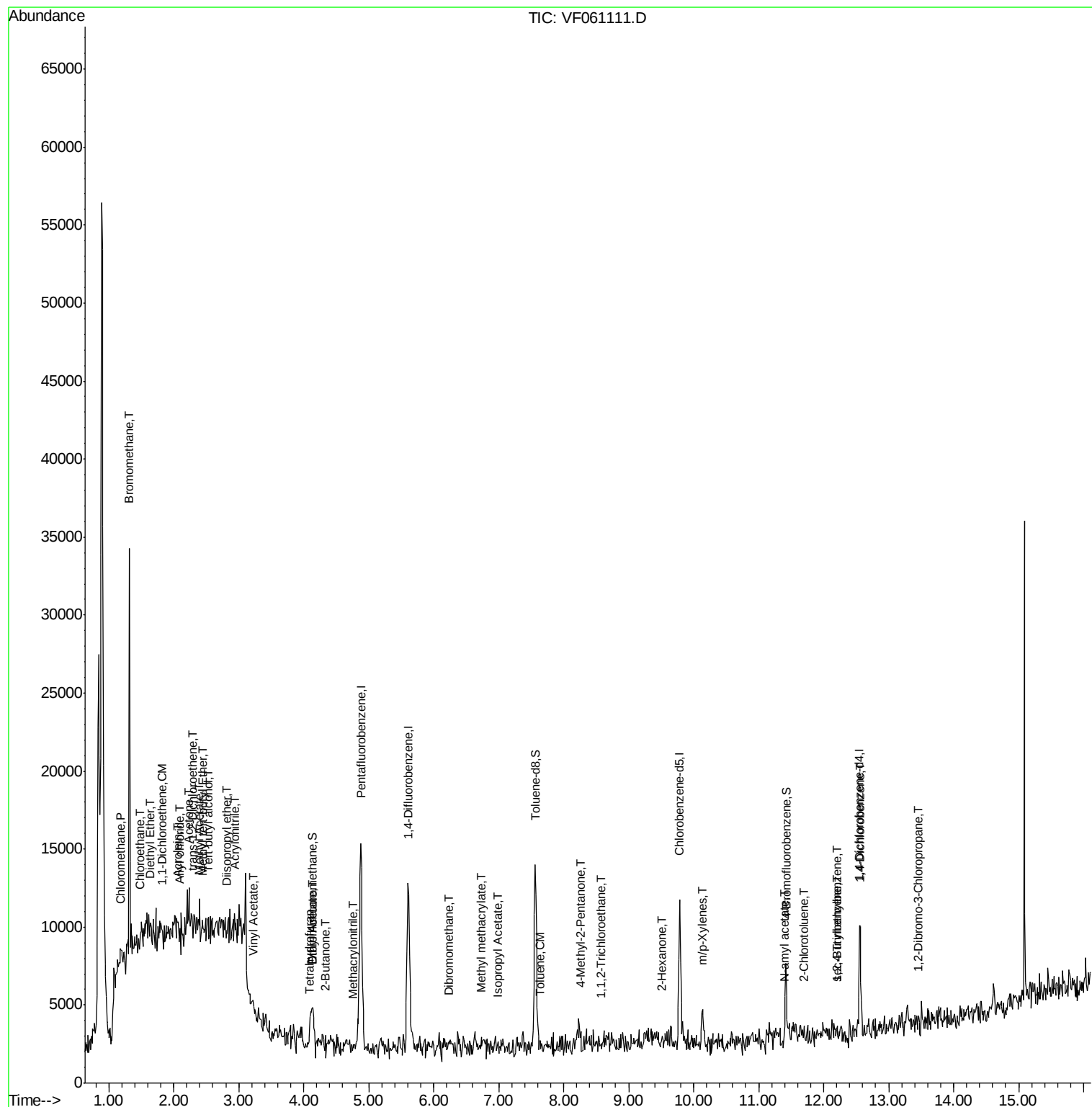
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	13.47	75	66	13.682	ug/l #	2

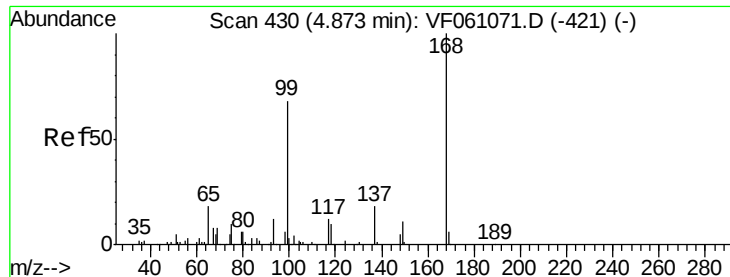
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF122018\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

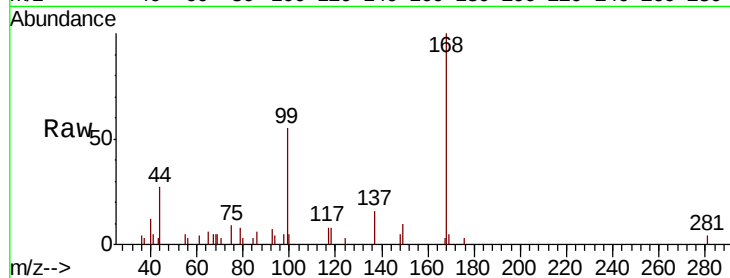
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 11058

Ion Ratio Lower Upper

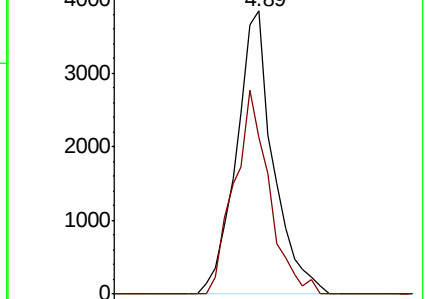
168 100

99 55.1 54.4 81.6

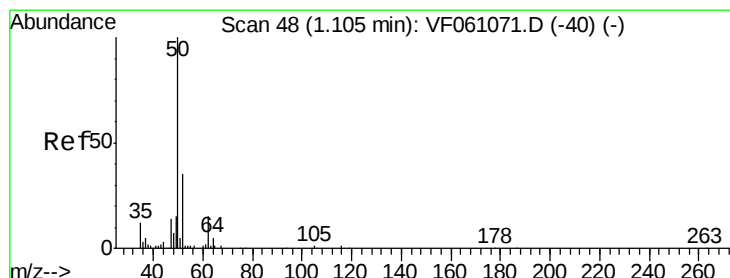
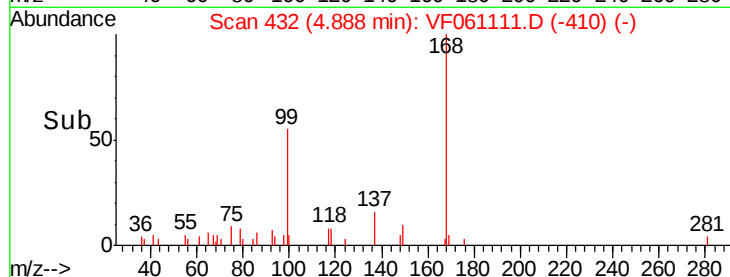


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



Time-->



#3

Chloromethane

Concen: 1.470 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.07 min

Lab File: VF061111.D

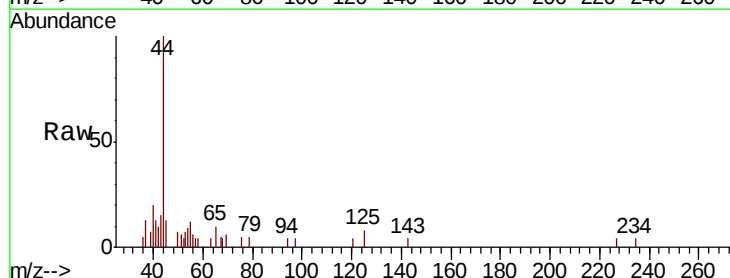
Acq: 20 Dec 2018 16:42

Tgt Ion: 50 Resp: 207

Ion Ratio Lower Upper

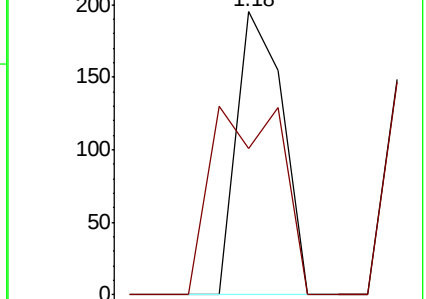
50 100

52 51.8 26.3 39.5#

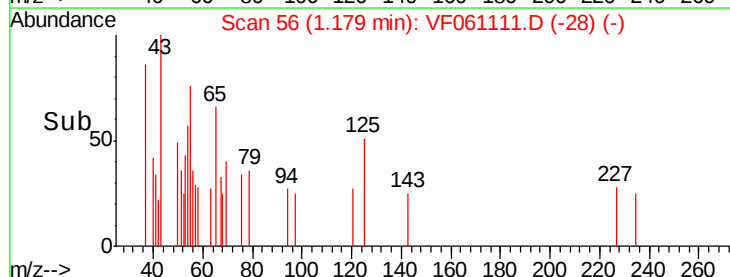


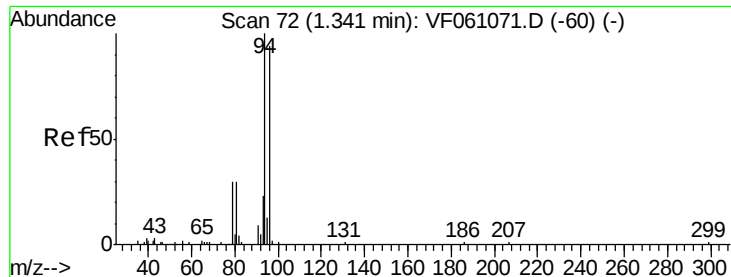
Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



Time-->





#5

Bromomethane

Concen: 1.612 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

Instrument :

MSVOA_F

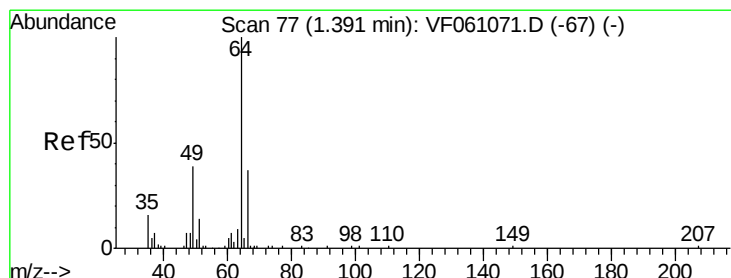
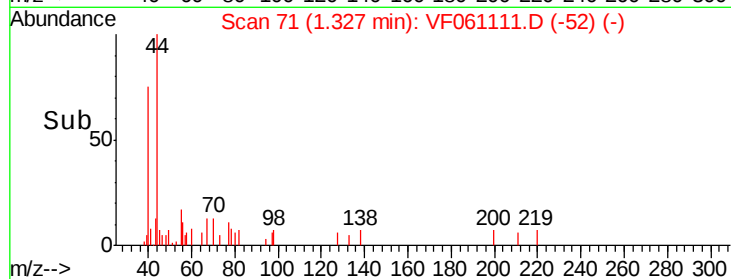
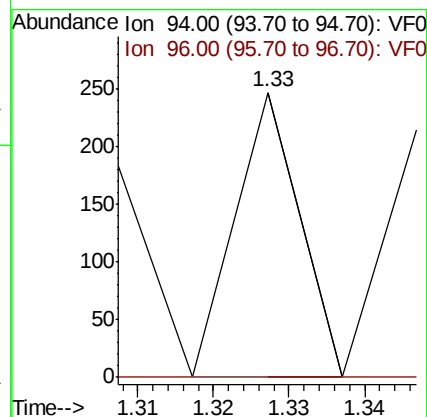
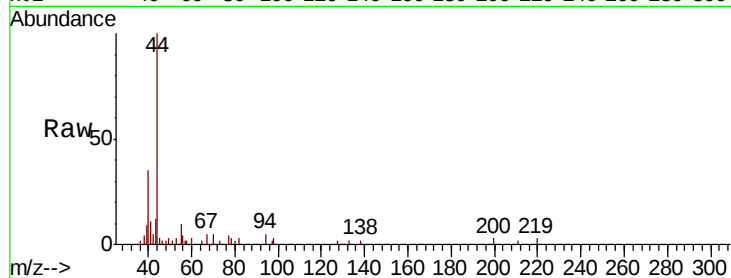
ClientSampleId :

Tot Ion: 94 Resp: 146

Ion Ratio Lower Upper

94 100

96 0.0 74.4 111.6#



#6

Chloroethane

Concen: 1.080 ug/l

RT: 1.48 min Scan# 86

Delta R.T. 0.08 min

Lab File: VF061111.D

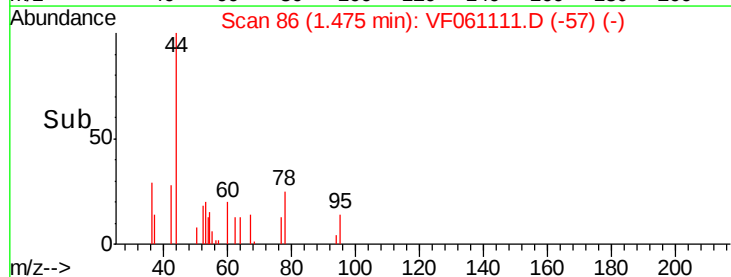
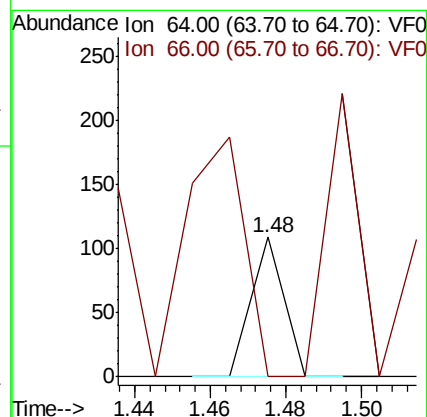
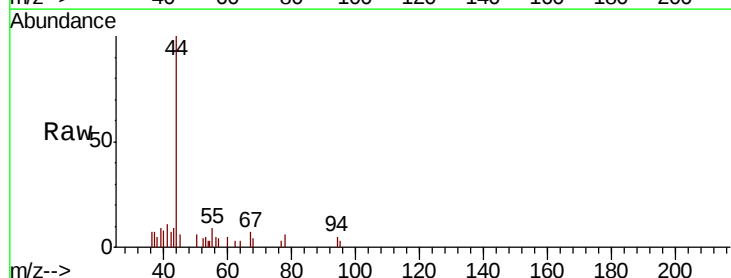
Acq: 20 Dec 2018 16:42

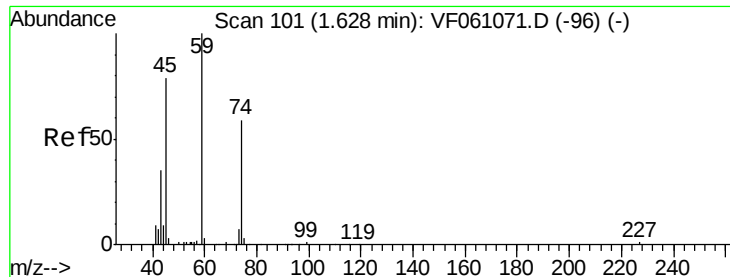
Tgt Ion: 64 Resp: 65

Ion Ratio Lower Upper

64 100

66 0.0 30.9 46.3#

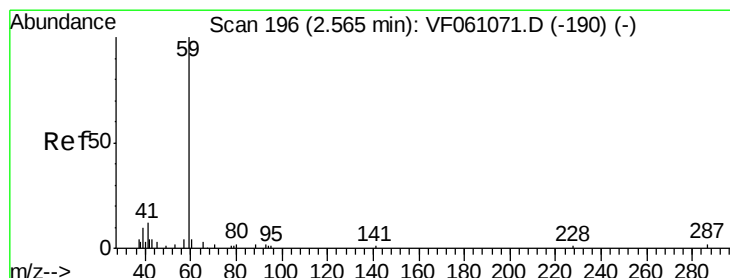
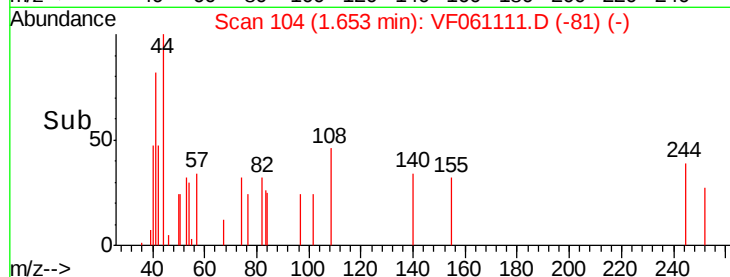
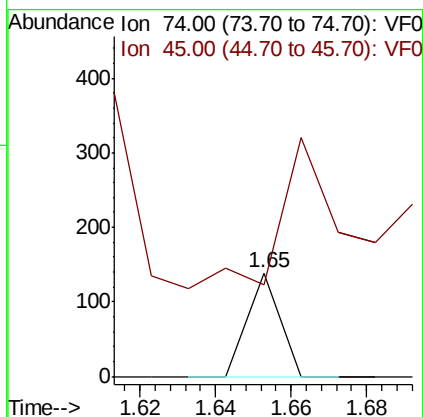
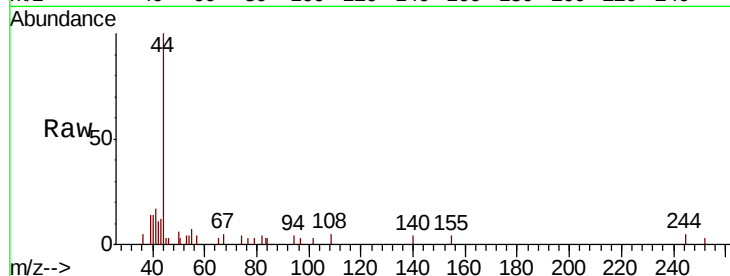




#8
Diethyl Ether
Concen: 2.401 ug/l
RT: 1.65 min Scan# 104
Delta R.T. 0.03 min
Lab File: VF061111.D
Acq: 20 Dec 2018 16:42

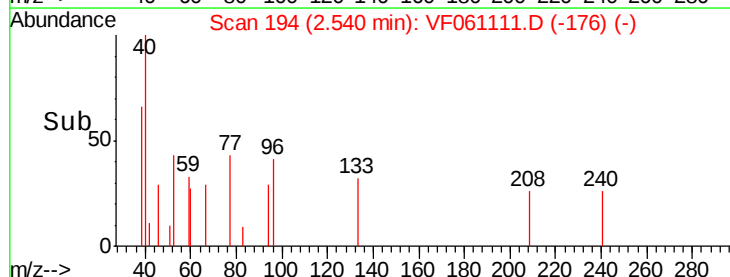
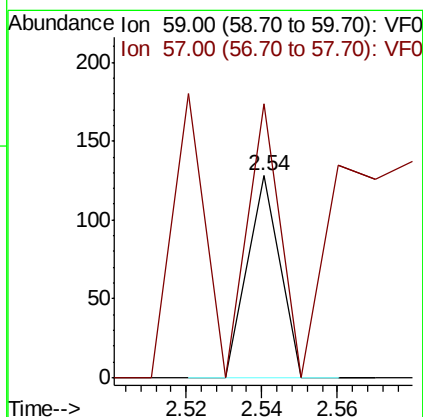
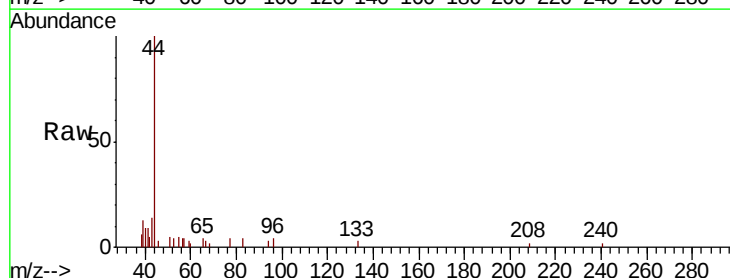
Instrument :
MSVOA_F
ClientSampleId :

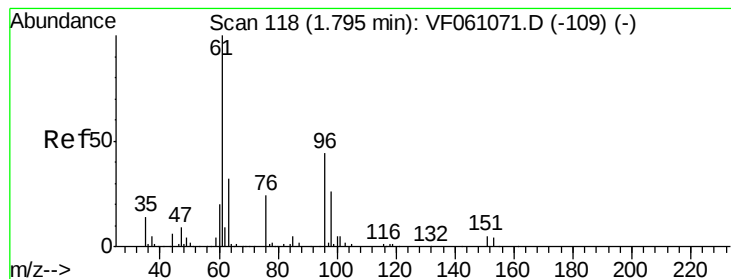
Tot Ion: 74 Resp: 82
Ion Ratio Lower Upper
74 100
45 88.5 67.8 203.4



#11
Tert butyl alcohol
Concen: 13.242 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.02 min
Lab File: VF061111.D
Acq: 20 Dec 2018 16:42

Tgt Ion: 59 Resp: 76
Ion Ratio Lower Upper
59 100
57 135.9 11.5 17.3#





#12

1,1-Dichloroethene

Concen: 1.303 ug/l

RT: 1.83 min Scan# 122

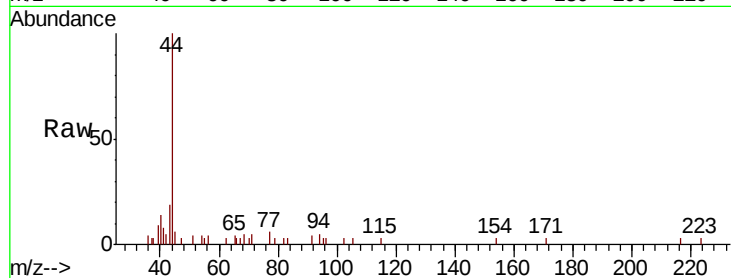
Delta R.T. 0.03 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

Instrument :
MSVOA_F
ClientSampleId :

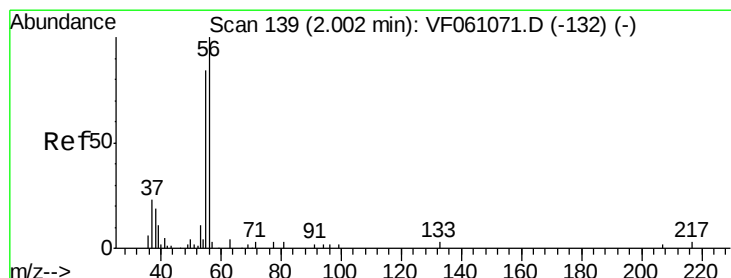
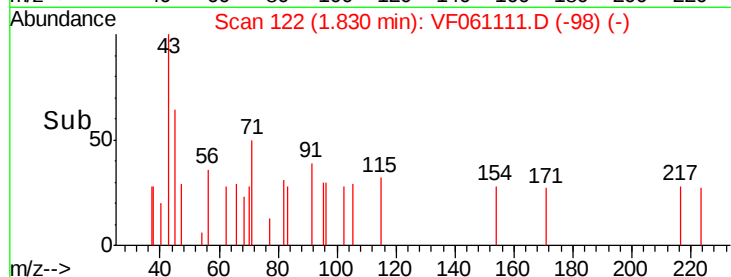
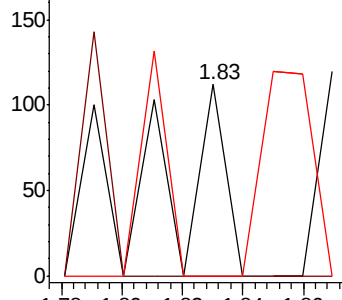
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	182.0	273.0#
98	0.0	46.5	69.7#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 50.636 ug/l

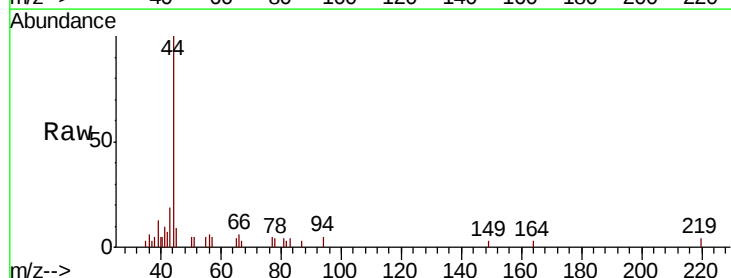
RT: 2.07 min Scan# 146

Delta R.T. 0.06 min

Lab File: VF061111.D

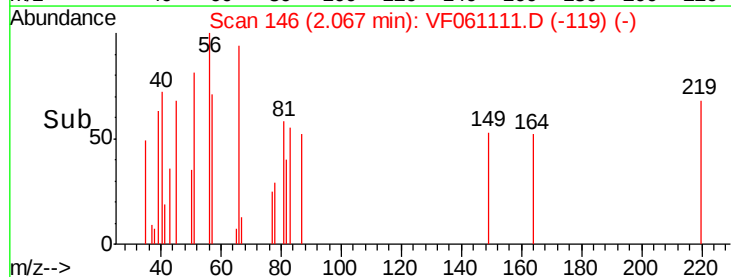
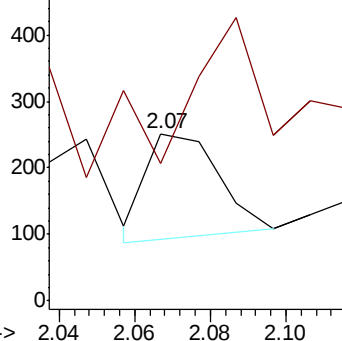
Acq: 20 Dec 2018 16:42

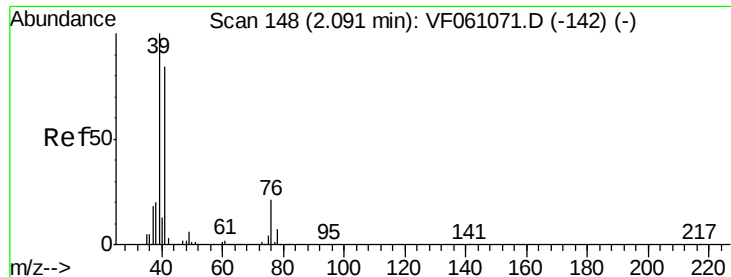
Tgt Ion	Ratio	Lower	Upper
56	100		
55	82.5	70.2	105.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#14

Allvl chloride

Concen: 4.436 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

Instrument :
MSVOA_F
ClientSampleId :

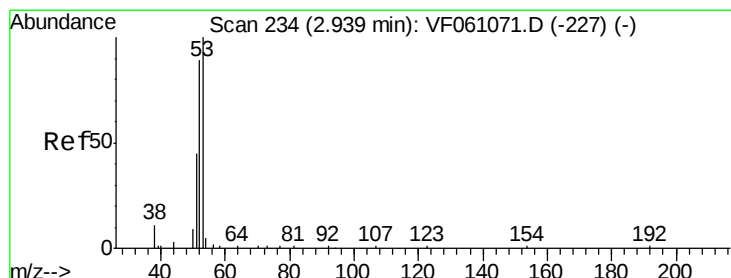
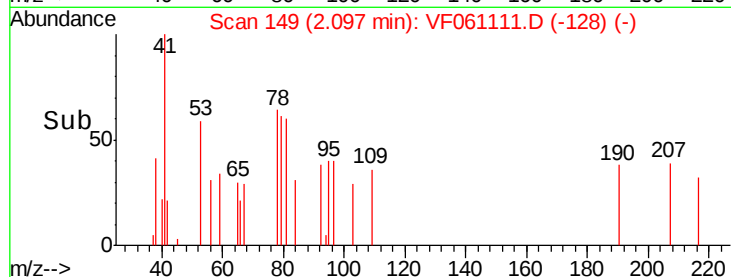
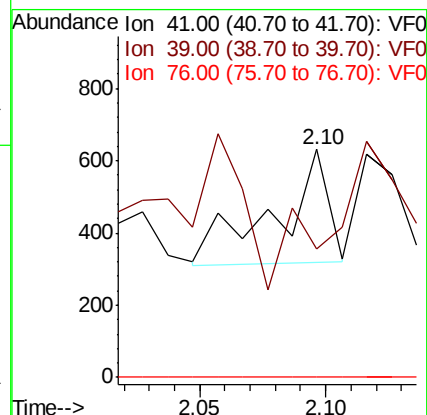
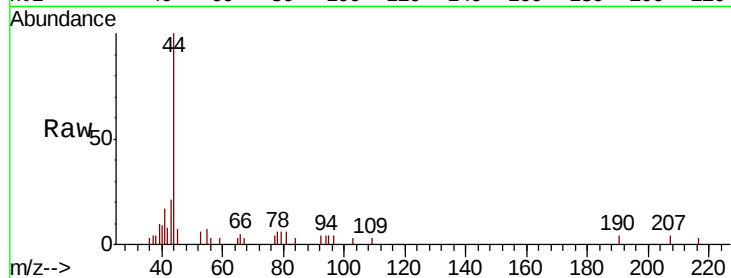
Tot Ion: 41 Resp: 450

Ion Ratio Lower Upper

41 100

39 56.5 96.4 144.6#

76 0.0 25.4 38.0#



#15

Acrylonitrile

Concen: 27.879 ug/l

RT: 2.94 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

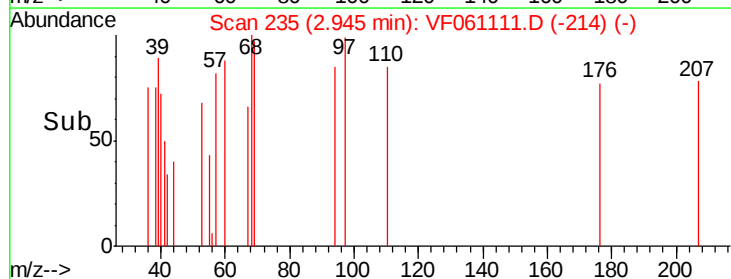
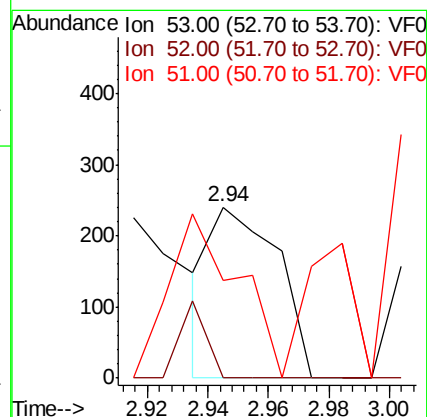
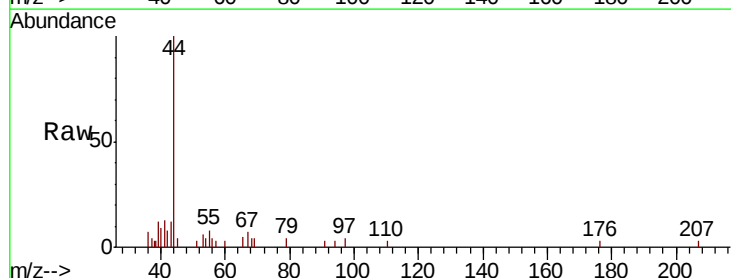
Tgt Ion: 53 Resp: 370

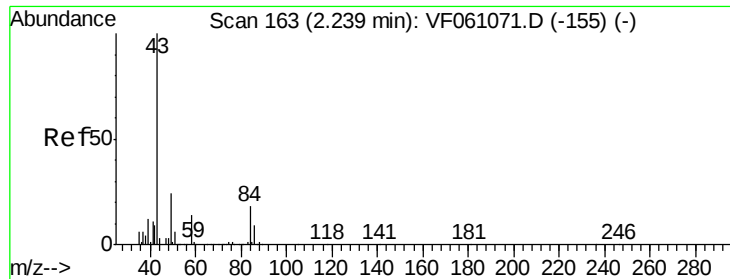
Ion Ratio Lower Upper

53 100

52 0.0 71.3 106.9#

51 57.1 36.8 55.2#

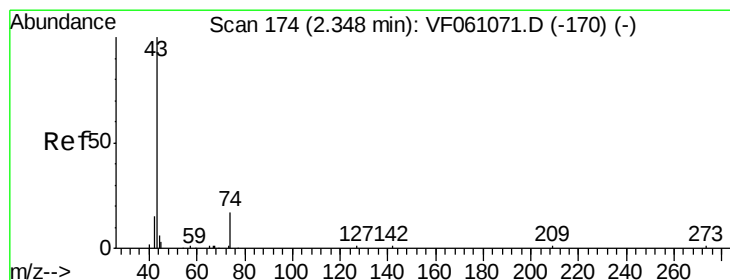
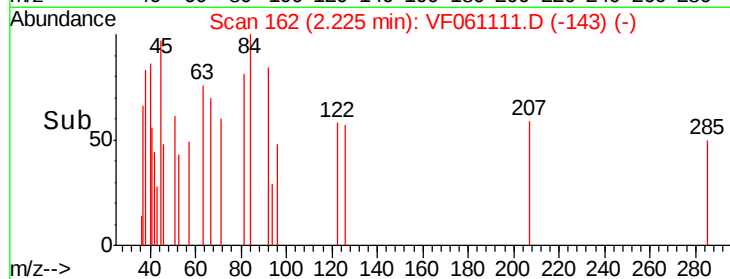
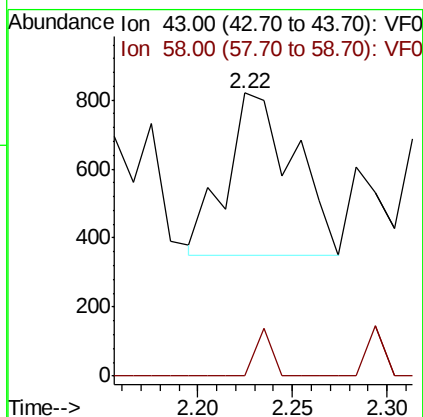
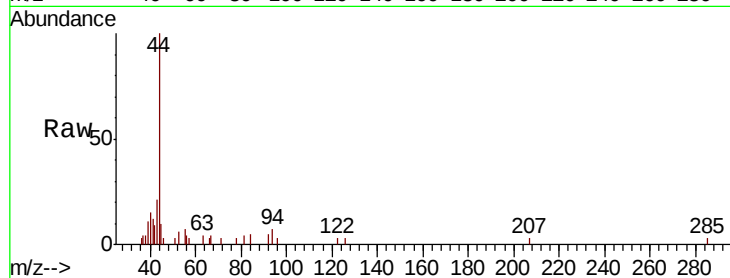




#16
Acetone
Concen: 41.221 ug/l
RT: 2.22 min Scan# 162
Delta R.T. -0.01 min
Lab File: VF061111.D
Acq: 20 Dec 2018 16:42

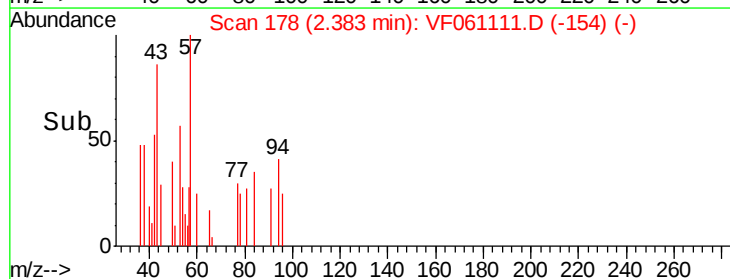
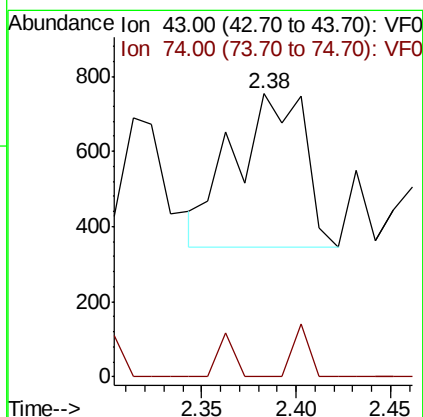
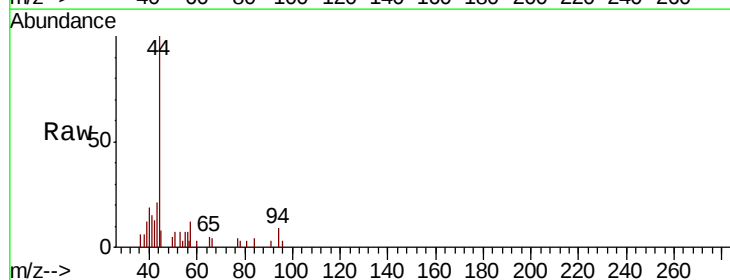
Instrument :
MSVOA_F
ClientSampleId :

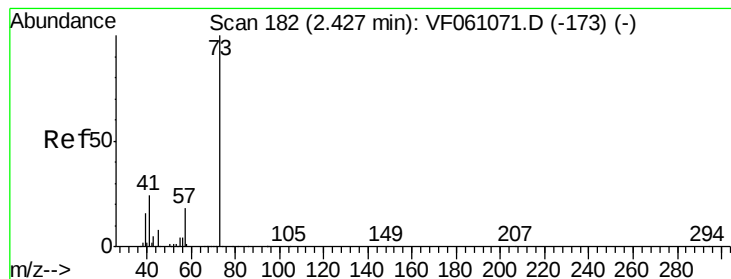
Tot Ion: 43 Resp: 1172
Ion Ratio Lower Upper
43 100
58 0.0 11.1 16.7#



#18
Methyl Acetate
Concen: 18.037 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.03 min
Lab File: VF061111.D
Acq: 20 Dec 2018 16:42

Tgt Ion: 43 Resp: 1061
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.6#



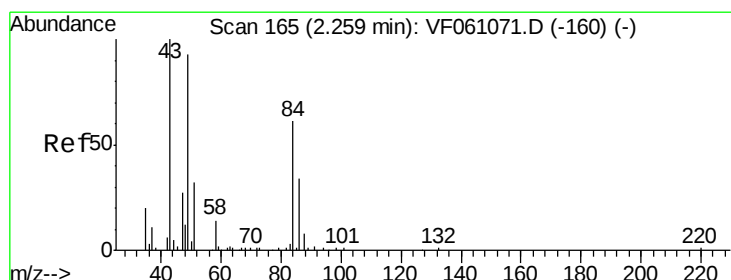
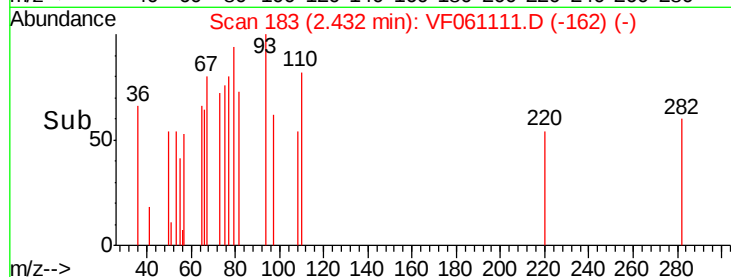
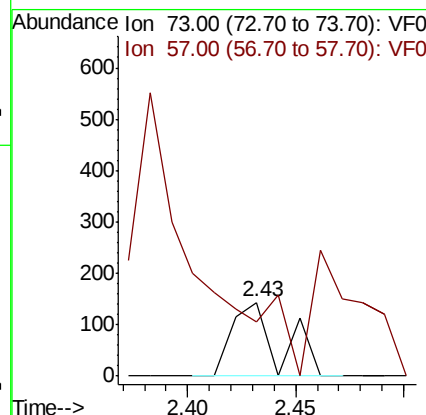
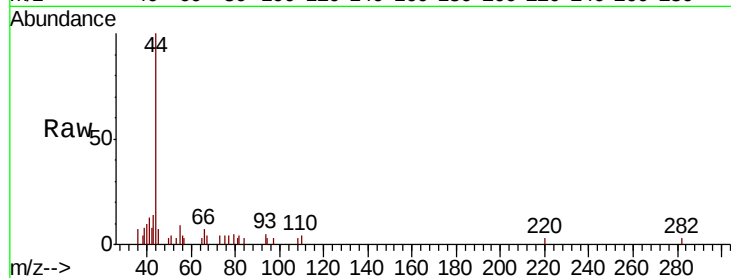


#19

Methyl tert-butyl Ether
 Concen: 1.012 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF061111.D
 Acq: 20 Dec 2018 16:42

Instrument :
 MSVOA_F
 ClientSampleId :

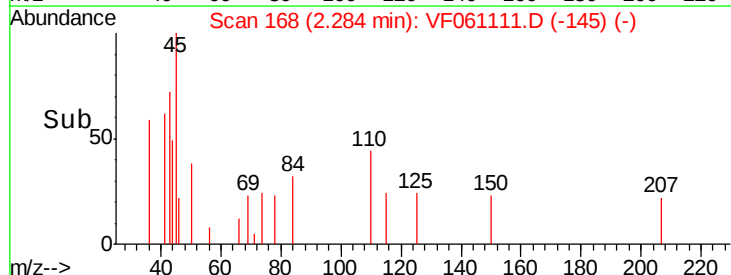
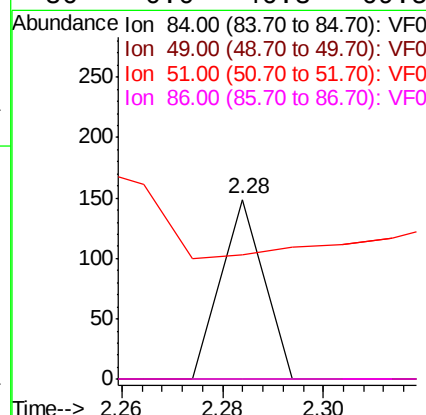
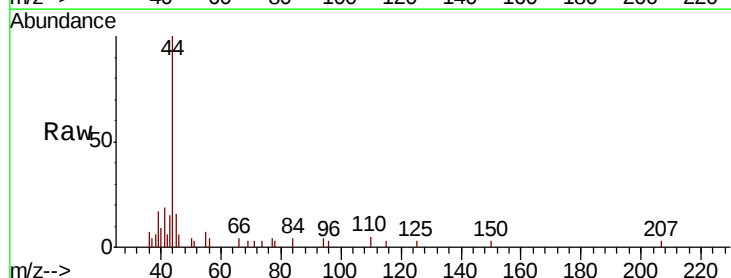
Tot Ion: 73 Resp: 219
 Ion Ratio Lower Upper
 73 100
 57 73.4 14.5 21.7#

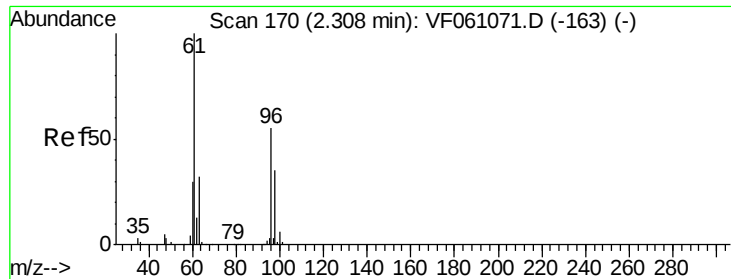


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.28 min Scan# 168
 Delta R.T. 0.03 min
 Lab File: VF061111.D
 Acq: 20 Dec 2018 16:42

Tgt Ion: 84 Resp: 88
 Ion Ratio Lower Upper
 84 100
 49 0.0 129.4 194.2#
 51 69.1 44.0 66.0#
 86 0.0 46.3 69.5#





#21

trans-1,2-Dichloroethene

Concen: 3.108 ug/l

RT: 2.29 min Scan# 169

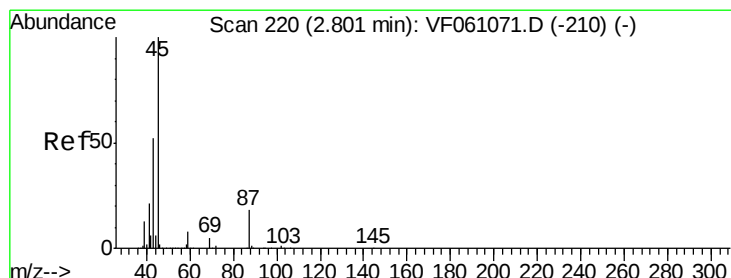
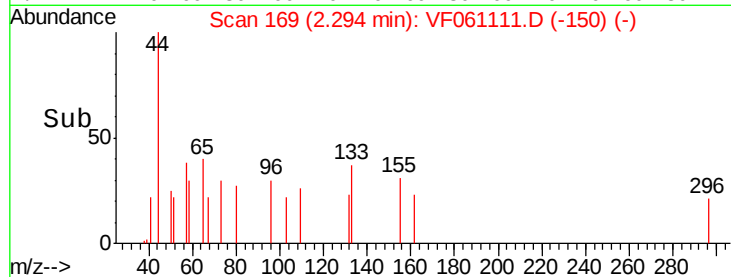
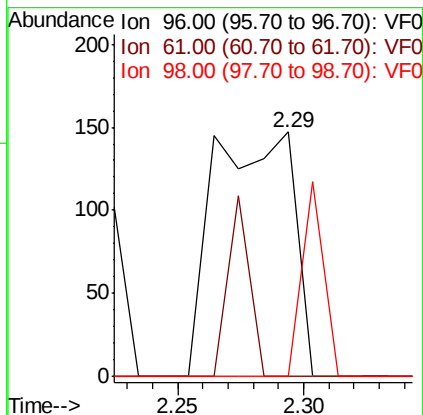
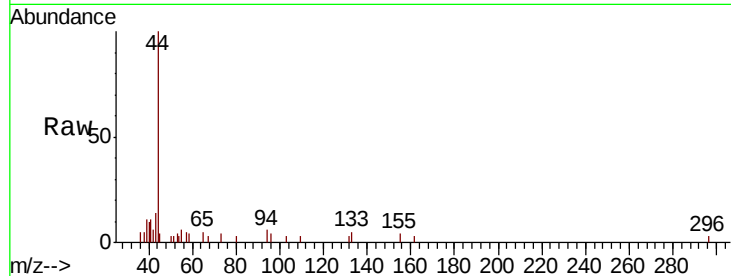
Delta R.T. -0.01 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	96	Resp:	324
Ion	Ratio	Lower	Upper
96	100		
61	0.0	146.0	219.0#
98	0.0	51.6	77.4#



#22

Diisopropyl ether

Concen: 1.287 ug/l

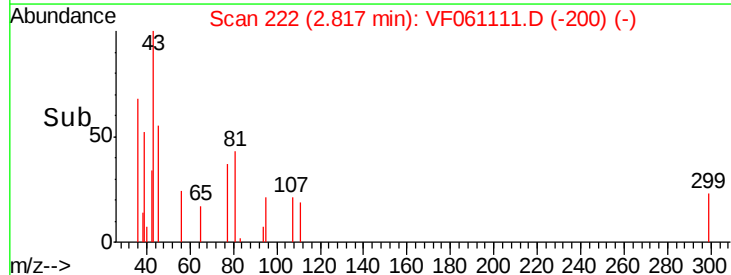
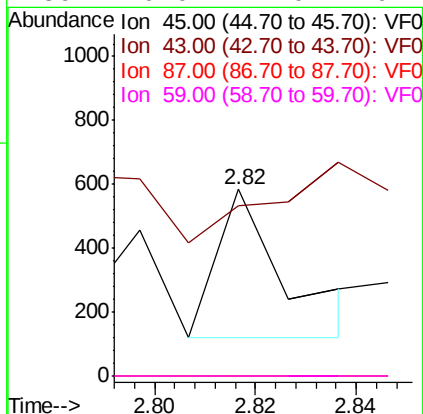
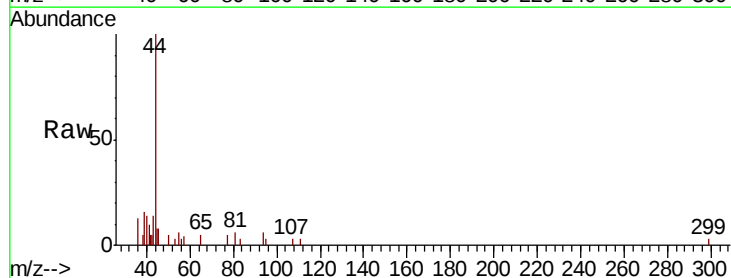
RT: 2.82 min Scan# 222

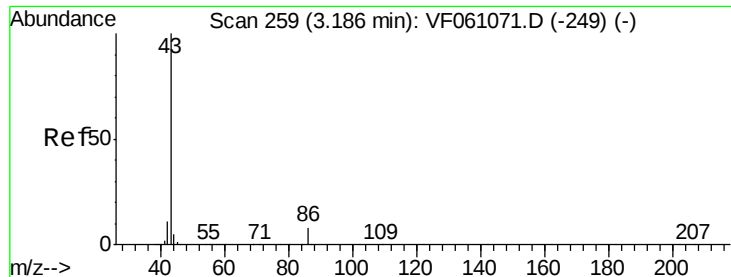
Delta R.T. 0.02 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

Tgt Ion:	45	Resp:	435
Ion	Ratio	Lower	Upper
45	100		
43	91.4	42.2	63.2#
87	0.0	14.6	22.0#
59	0.0	7.0	10.4#





#23

Vinyl Acetate

Concen: 5.754 ug/l

RT: 3.23 min Scan# 264

Delta R.T. 0.04 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

Instrument :

MSVOA_F

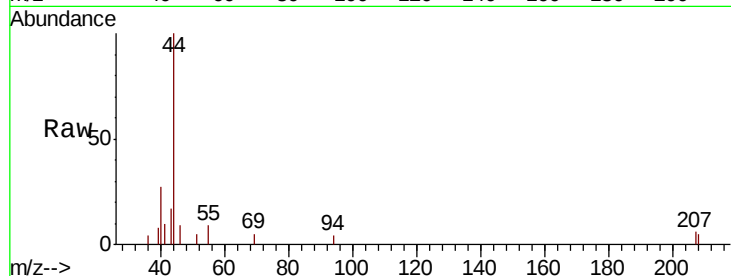
ClientSampled :

Tot Ion: 43 Resp: 897

Ion Ratio Lower Upper

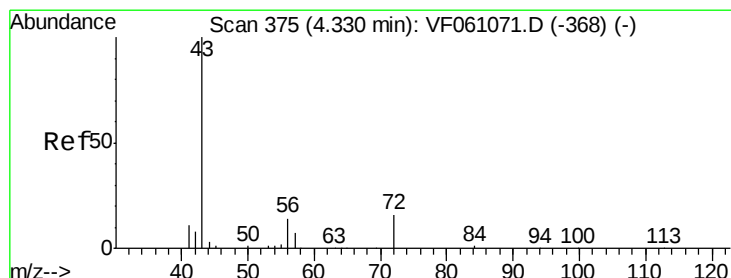
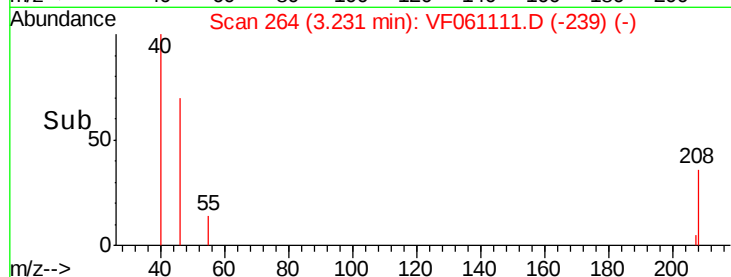
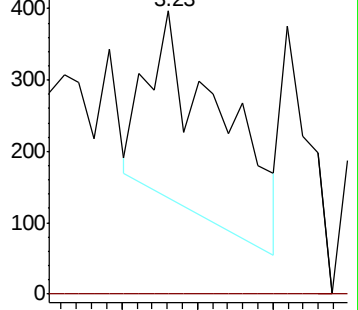
43 100

86 0.0 6.3 9.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 6.528 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.00 min

Lab File: VF061111.D

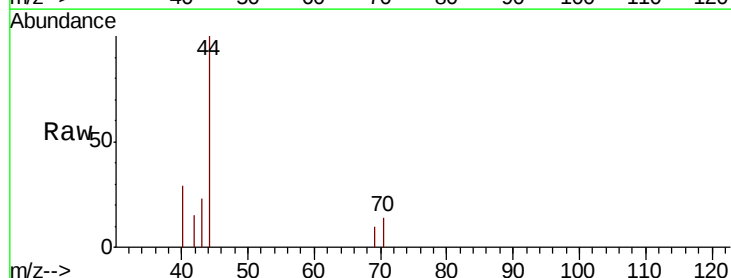
Acq: 20 Dec 2018 16:42

Tgt Ion: 43 Resp: 301

Ion Ratio Lower Upper

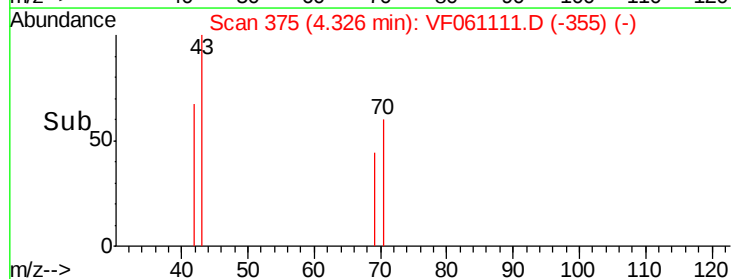
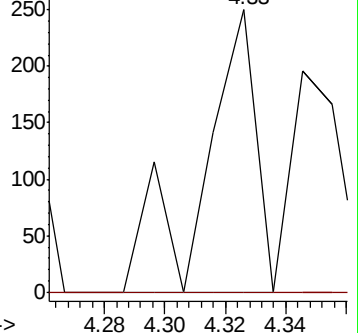
43 100

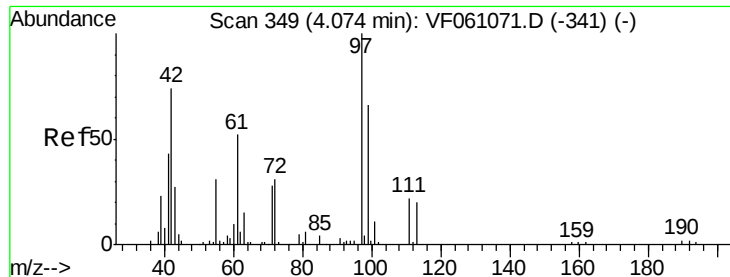
72 0.0 15.6 23.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 4.156 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

Instrument :

MSVOA_F

ClientSampleId :

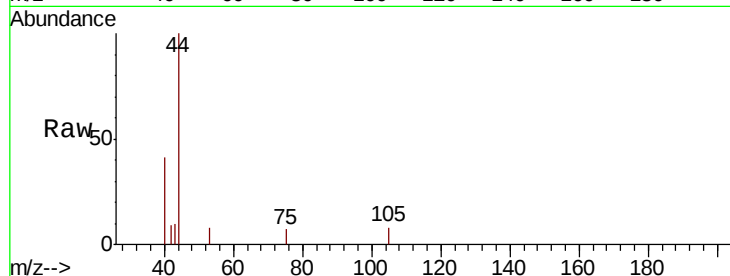
Tot Ion: 42 Resp: 78

Ion Ratio Lower Upper

42 100

72 0.0 31.8 47.8#

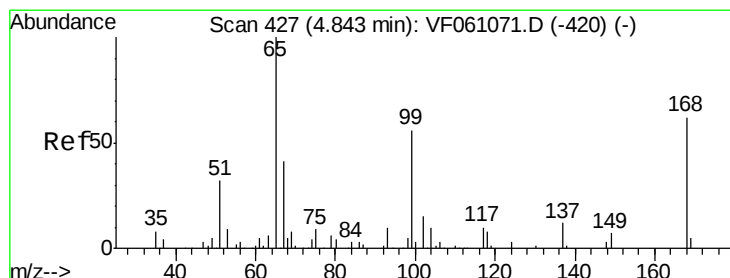
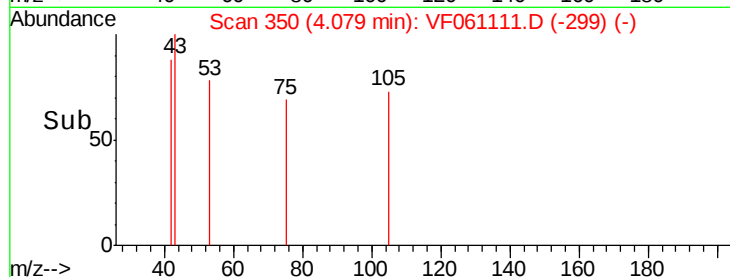
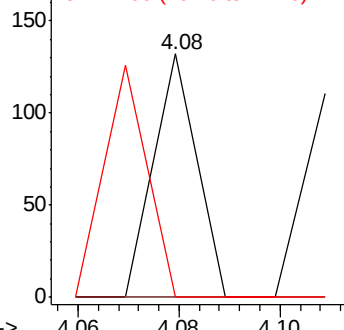
71 96.2 29.7 44.5#



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



#33

1,2-Dichloroethane-d4

Concen: 0.485 ug/l

RT: 4.70 min Scan# 413

Delta R.T. -0.14 min

Lab File: VF061111.D

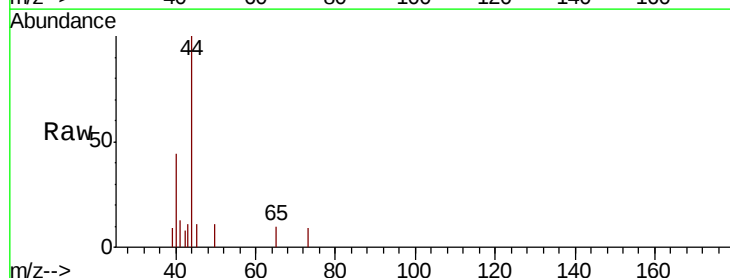
Acq: 20 Dec 2018 16:42

Tgt Ion: 65 Resp: 69

Ion Ratio Lower Upper

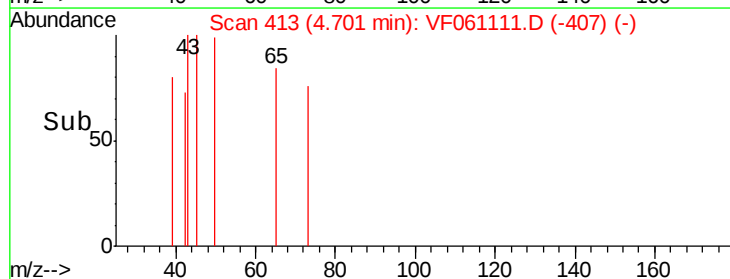
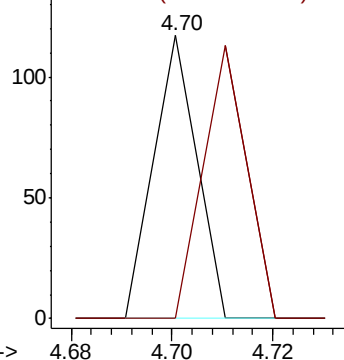
65 100

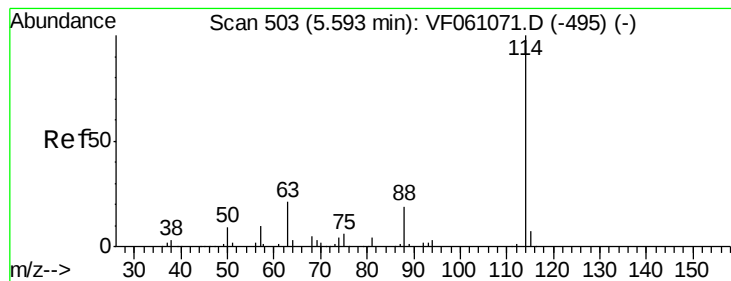
67 0.0 0.0 94.6



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: 5.61 min Scan# 505

Delta R.T. 0.02 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

Instrument :

MSVOA_F

ClientSampleId :

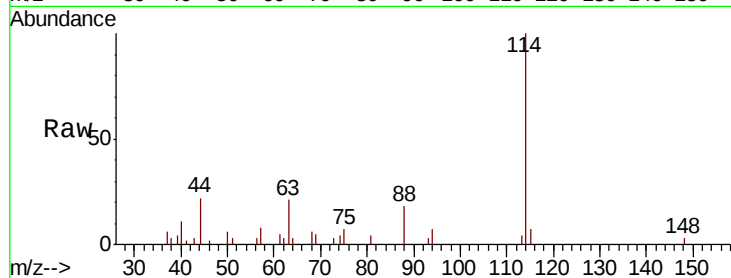
Tot Ion:114 Resp: 12652

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.6

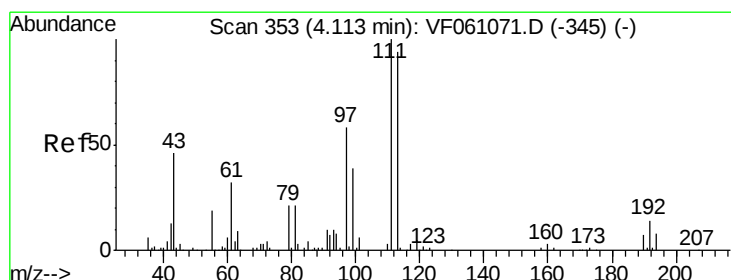
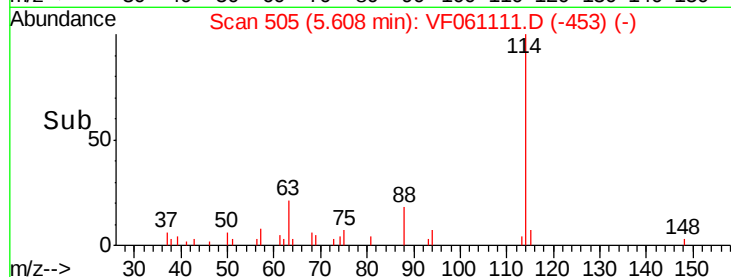
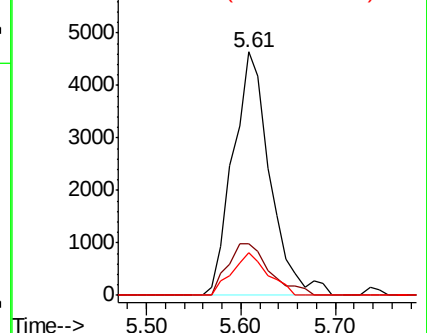
88 17.7 0.0 38.0



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: 25.999 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

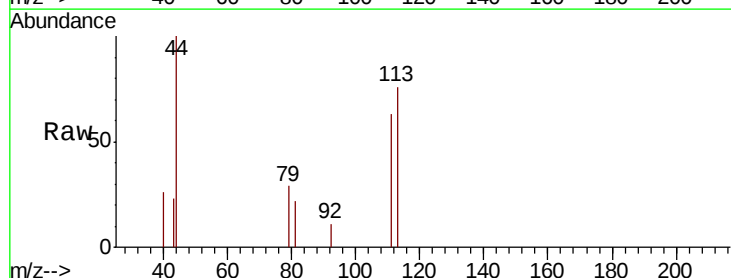
Tgt Ion:113 Resp: 2635

Ion Ratio Lower Upper

113 100

111 83.9 85.2 127.8#

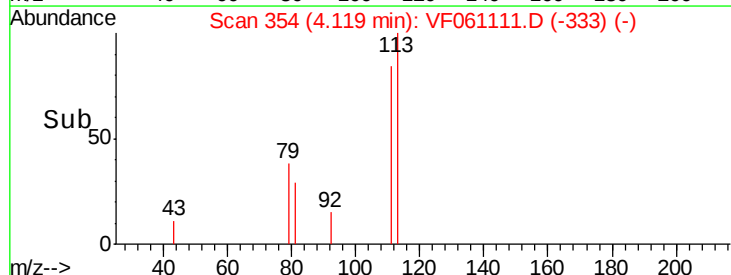
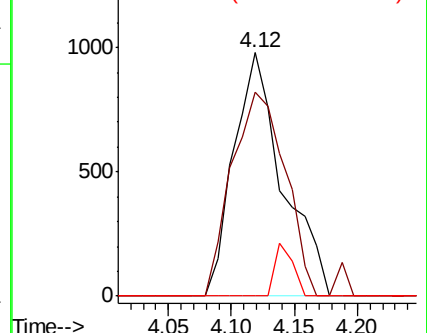
192 0.0 12.8 19.2#

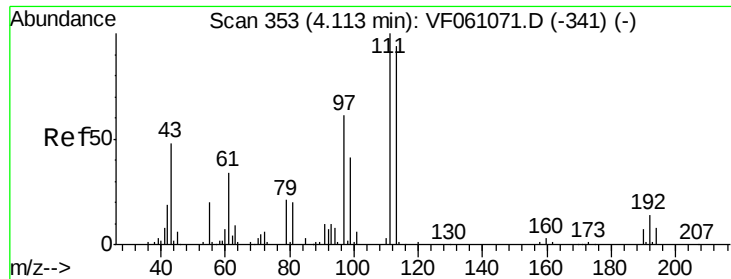


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

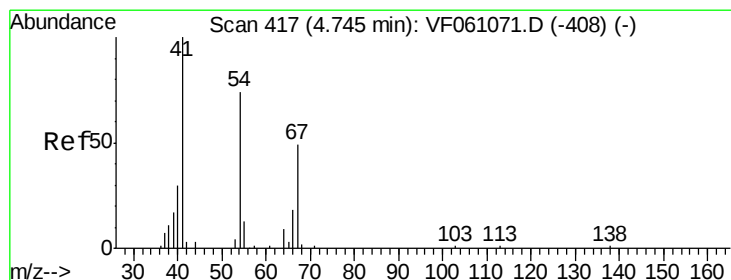
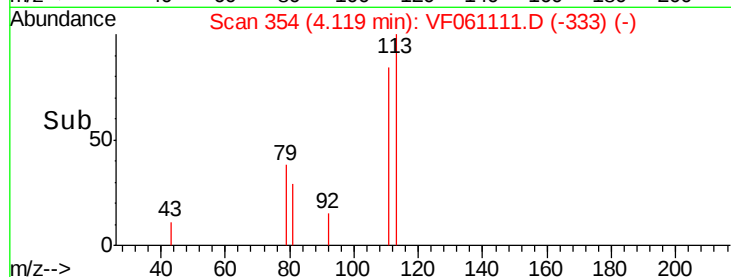
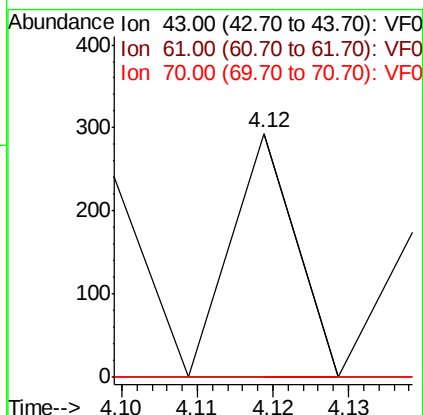
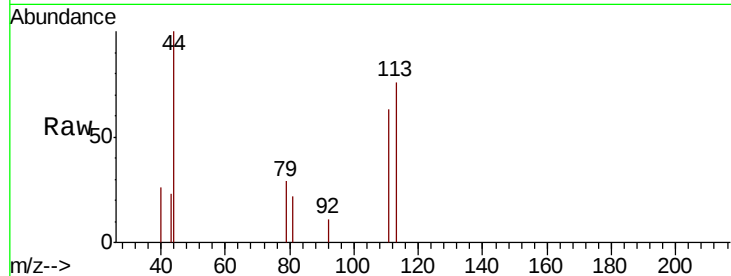




#37
Ethyl Acetate
Concen: 2.355 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061111.D
Acq: 20 Dec 2018 16:42

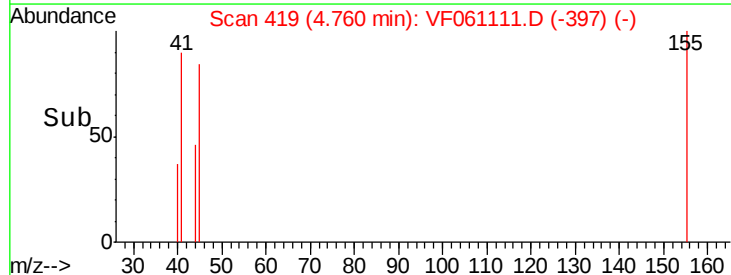
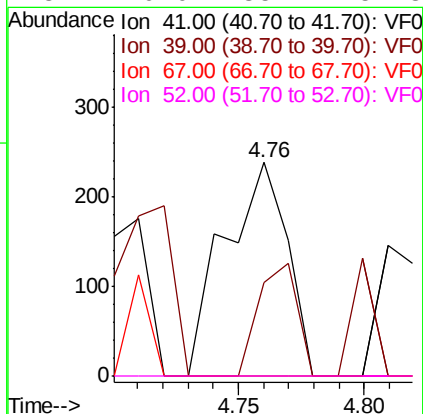
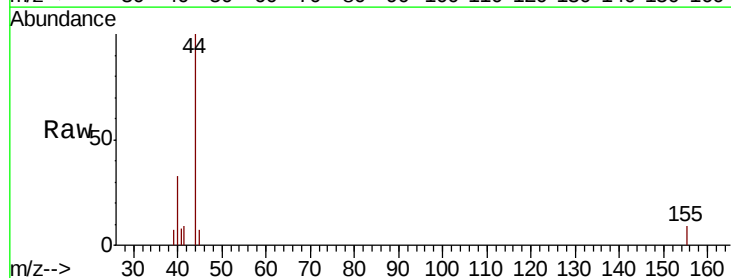
Instrument :
MSVOA_F
ClientSampleId :

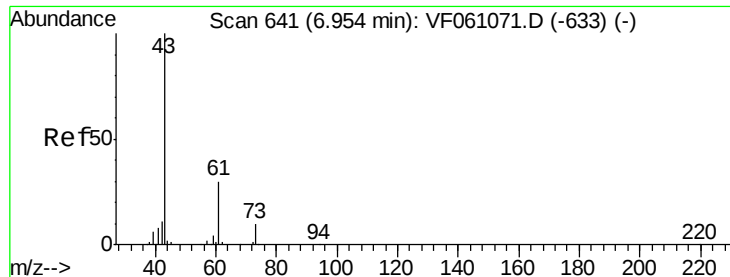
Tot Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
61 0.0 56.6 84.8#
70 0.0 6.3 9.5#



#41
Methacrylonitrile
Concen: 12.805 ug/l
RT: 4.76 min Scan# 419
Delta R.T. 0.02 min
Lab File: VF061111.D
Acq: 20 Dec 2018 16:42

Tgt Ion: 41 Resp: 413
Ion Ratio Lower Upper
41 100
39 44.1 45.7 68.5#
67 0.0 38.9 58.3#
52 0.0 35.2 52.8#





#43

Isopropyl Acetate

Concen: 2.929 ug/l

RT: 6.98 min Scan# 644

Delta R.T. 0.03 min

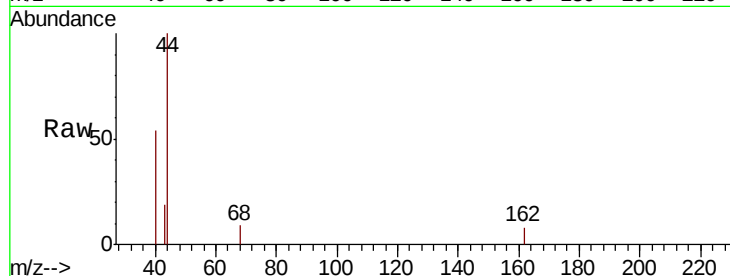
Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

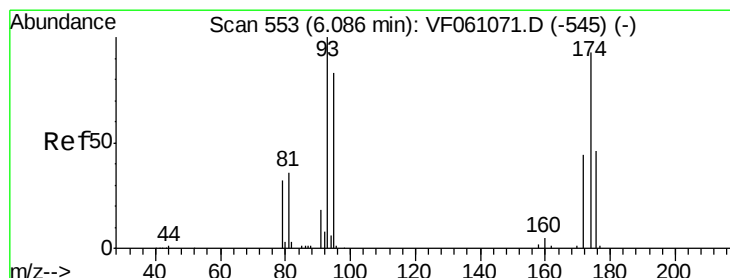
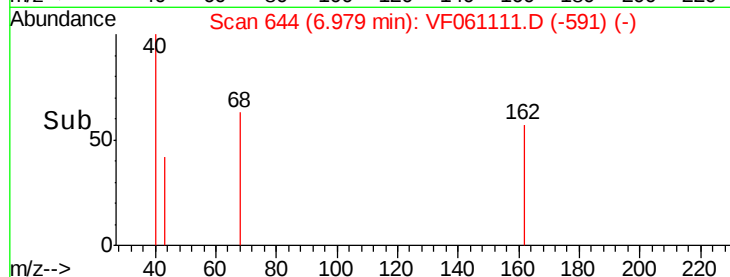
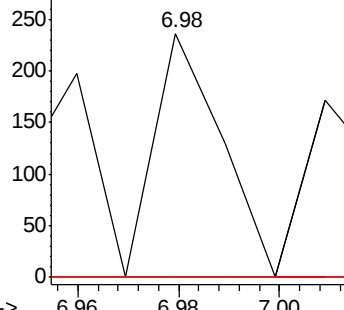
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 216

Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.8#
87	0.0	0.0	0.0



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



#46

Dibromomethane

Concen: 1.242 ug/l

RT: 6.23 min Scan# 568

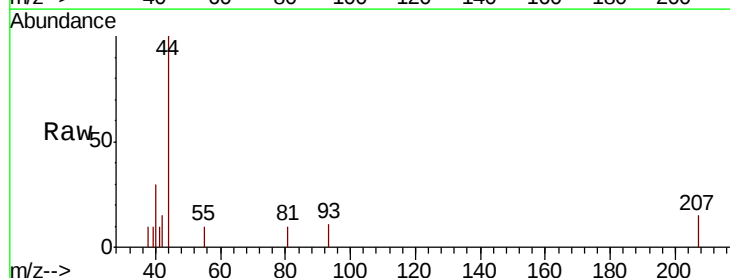
Delta R.T. 0.14 min

Lab File: VF061111.D

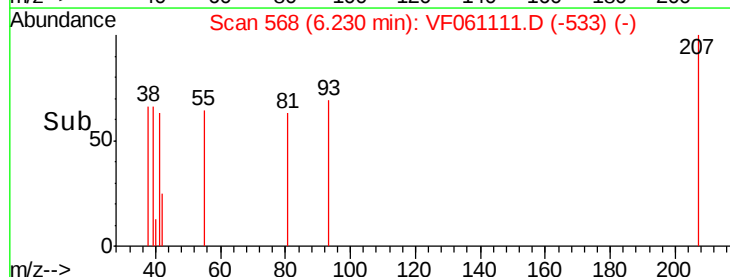
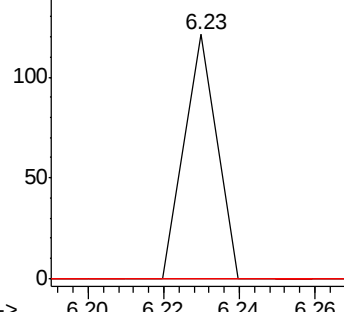
Acq: 20 Dec 2018 16:42

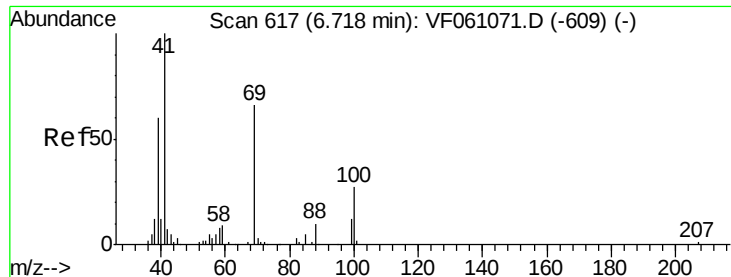
Tgt Ion: 93 Resp: 72

Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.9	100.3#
174	0.0	74.1	111.1#



Abundance Ion 93.00 (92.70 to 93.70): VF0
Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V

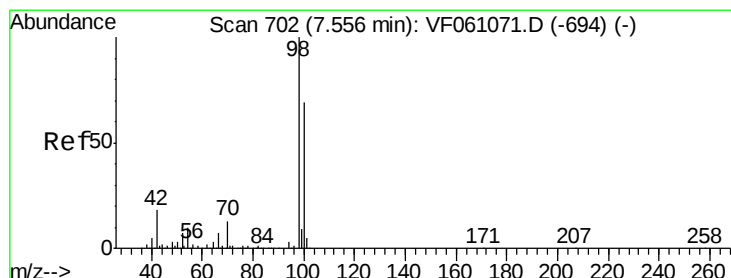
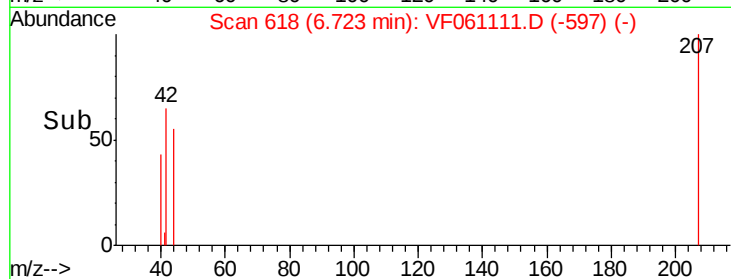
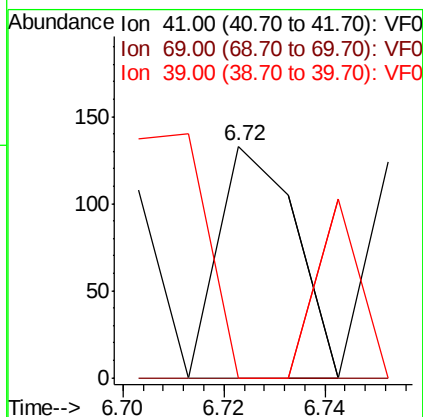
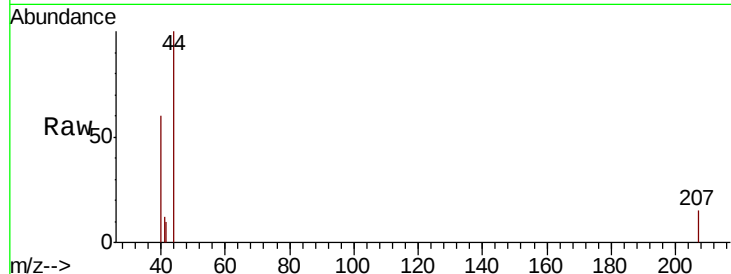




#48
Methvl methacrylate
Concen: 2.739 ug/l
RT: 6.72 min Scan# 618
Delta R.T. 0.01 min
Lab File: VF061111.D
Acq: 20 Dec 2018 16:42

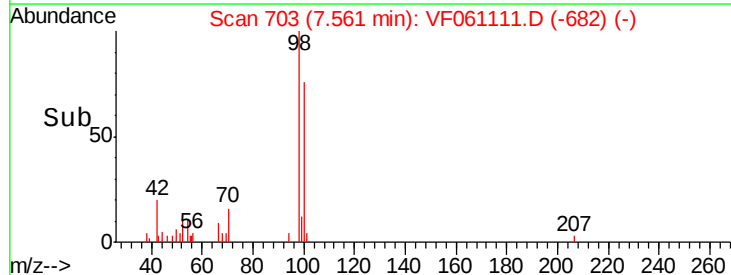
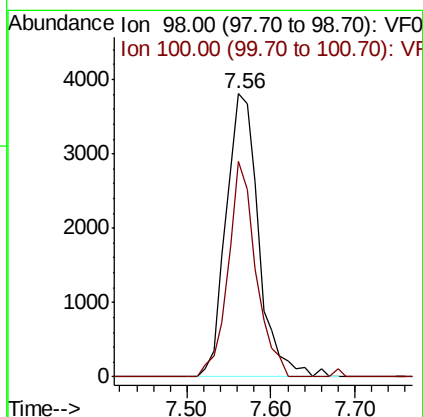
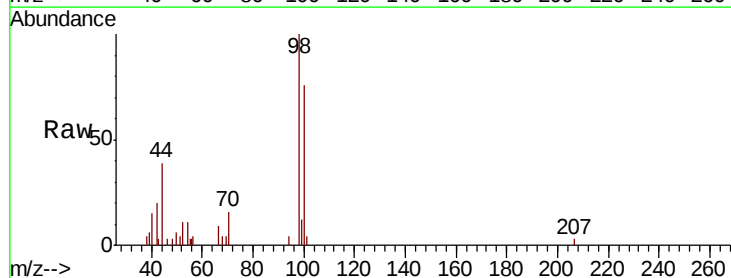
Instrument :
MSVOA_F
ClientSampled :

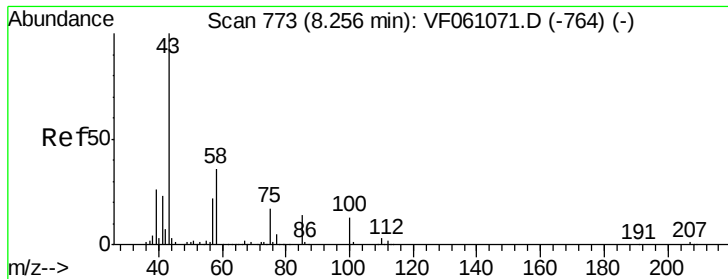
Tot Ion: 41 Resp: 141
Ion Ratio Lower Upper
41 100
69 0.0 52.7 79.1#
39 0.0 47.8 71.6#



#50
Toluene-d8
Concen: 35.695 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF061111.D
Acq: 20 Dec 2018 16:42

Tgt Ion: 98 Resp: 10252
Ion Ratio Lower Upper
98 100
100 76.0 55.3 82.9





#51

4-Methyl-2-Pentanone

Concen: 5.616 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.01 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

Instrument :

MSVOA_F

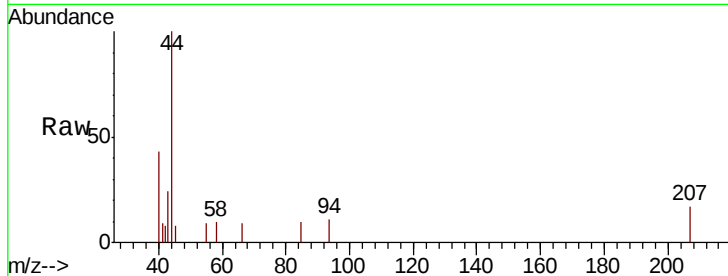
ClientSampleId :

Tot Ion: 43 Resp: 284

Ion Ratio Lower Upper

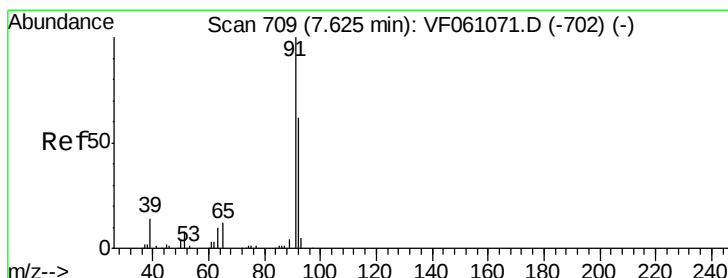
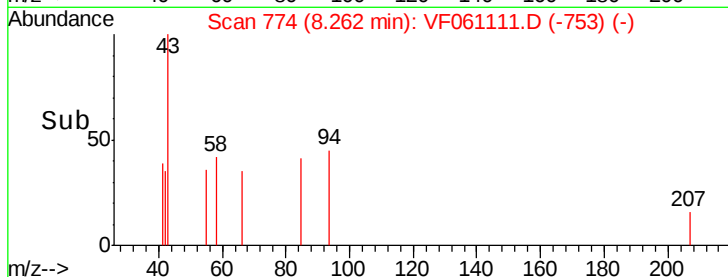
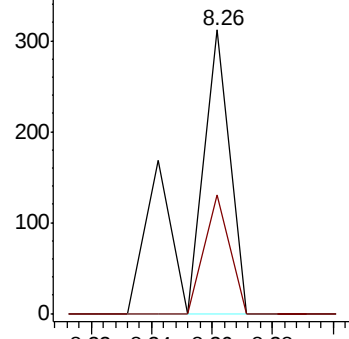
43 100

58 42.0 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 1.343 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF061111.D

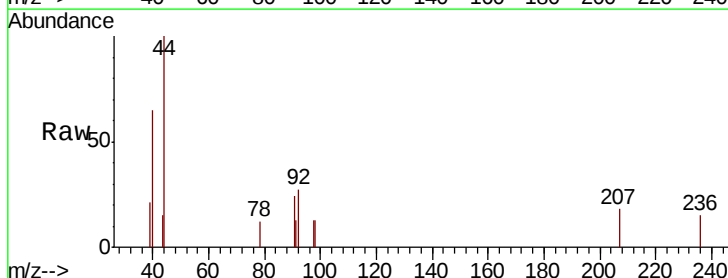
Acq: 20 Dec 2018 16:42

Tgt Ion: 92 Resp: 292

Ion Ratio Lower Upper

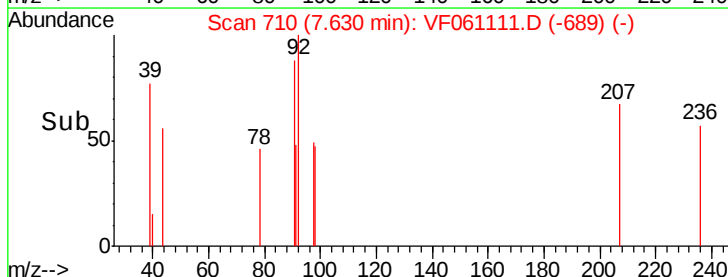
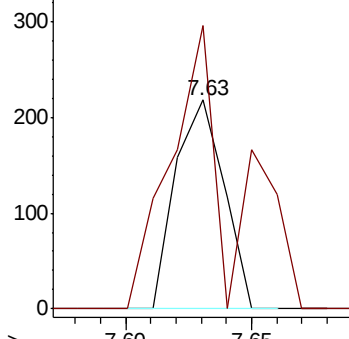
92 100

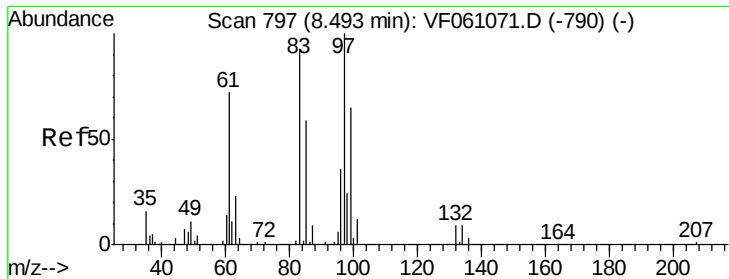
91 135.8 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#55

1,1,2-Trichloroethane

Concen: 1.059 ug/l

RT: 8.59 min Scan# 807

Delta R.T. 0.09 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 69

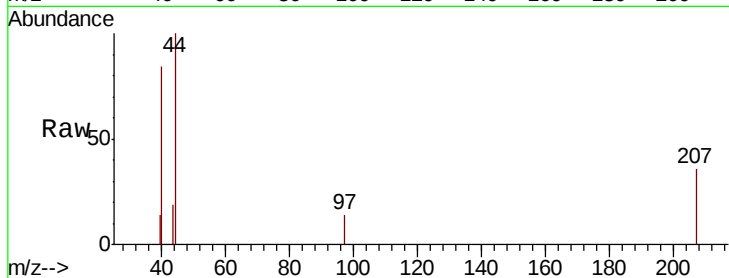
Ion Ratio Lower Upper

97 100

83 0.0 75.0 112.4#

85 0.0 47.5 71.3#

99 0.0 51.9 77.9#

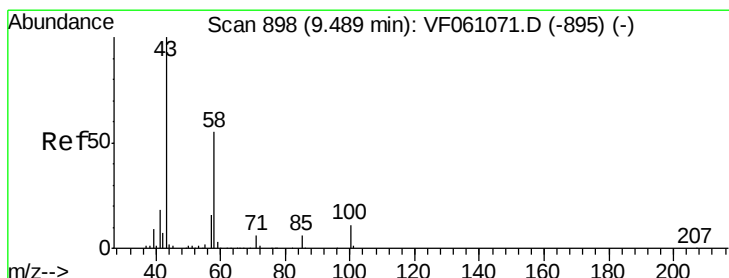
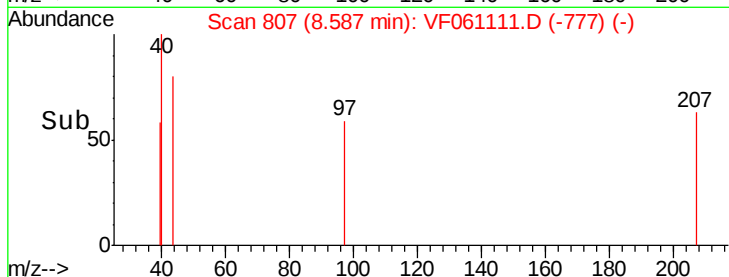
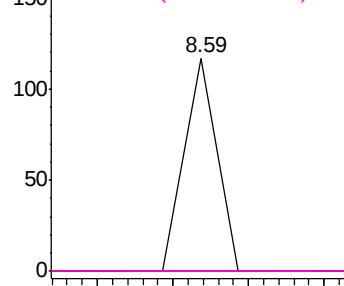


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#59

2-Hexanone

Concen: 7.082 ug/l

RT: 9.50 min Scan# 900

Delta R.T. 0.02 min

Lab File: VF061111.D

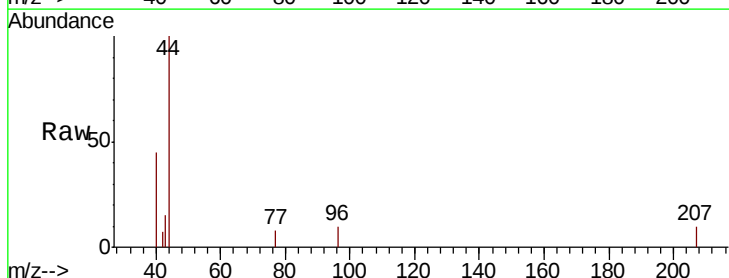
Acq: 20 Dec 2018 16:42

Tgt Ion: 43 Resp: 259

Ion Ratio Lower Upper

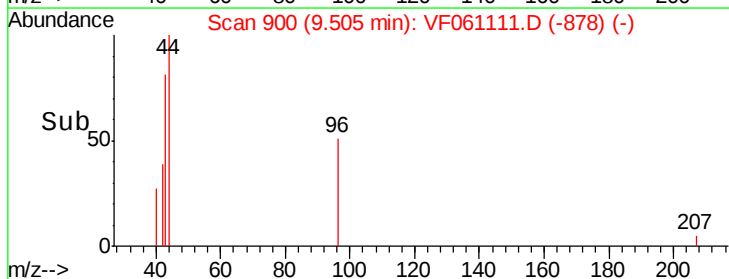
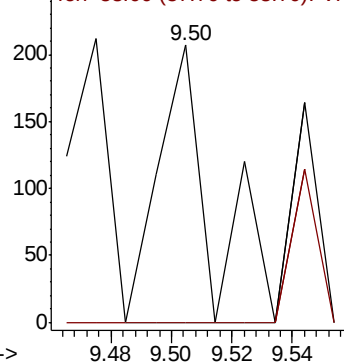
43 100

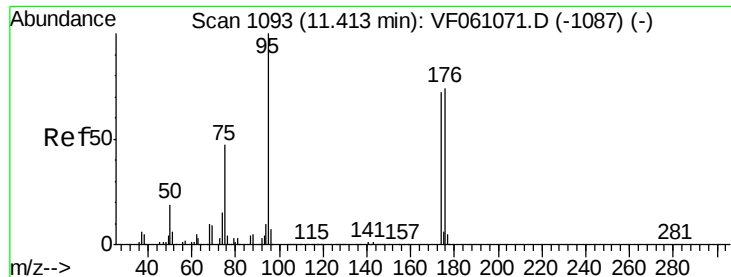
58 0.0 25.1 75.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 14.531 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

Instrument :

MSVOA_F

ClientSampleId :

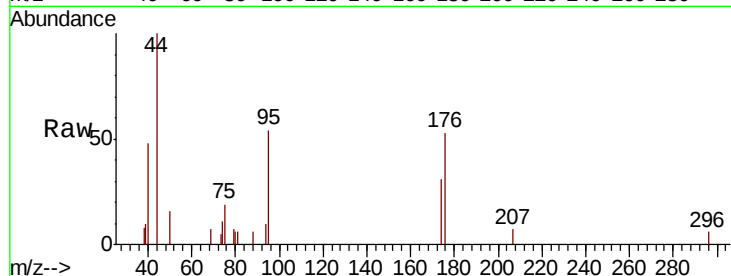
Tot Ion: 95 Resp: 1924

Ion Ratio Lower Upper

95 100

174 56.4 0.0 143.8

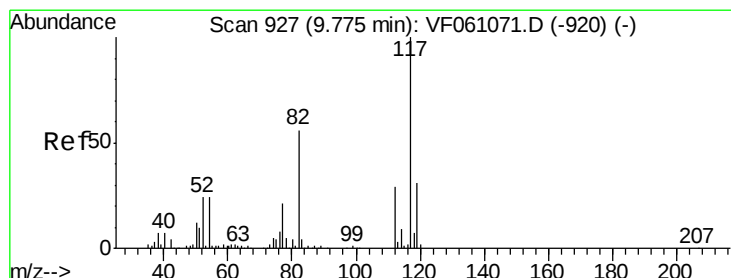
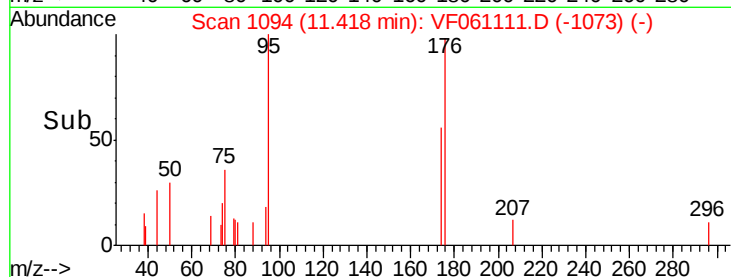
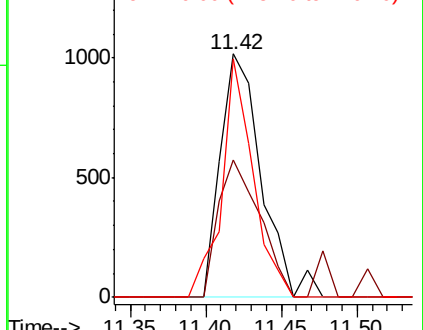
176 97.9 0.0 147.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. 0.01 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

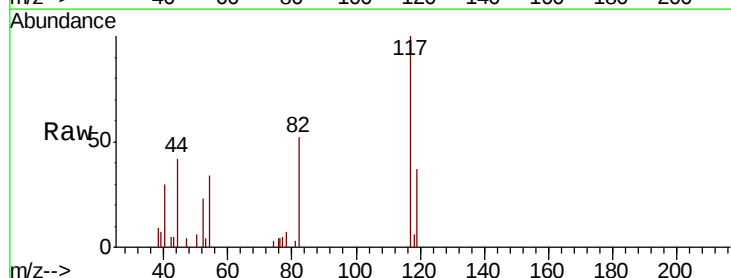
Tgt Ion: 117 Resp: 7014

Ion Ratio Lower Upper

117 100

82 52.2 45.0 67.4

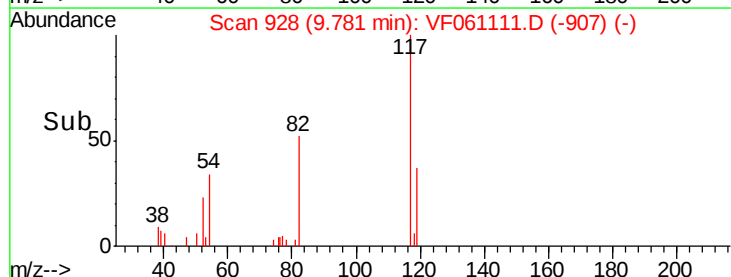
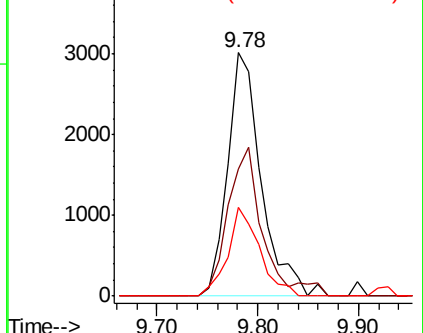
119 36.6 24.8 37.2

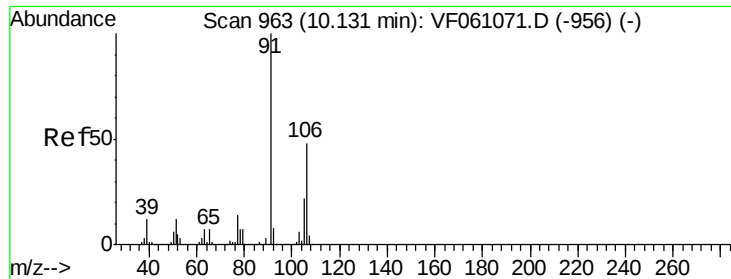


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

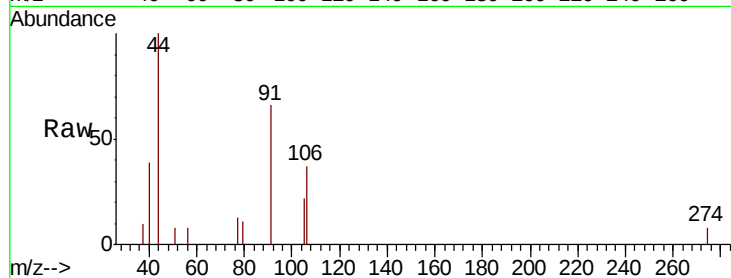




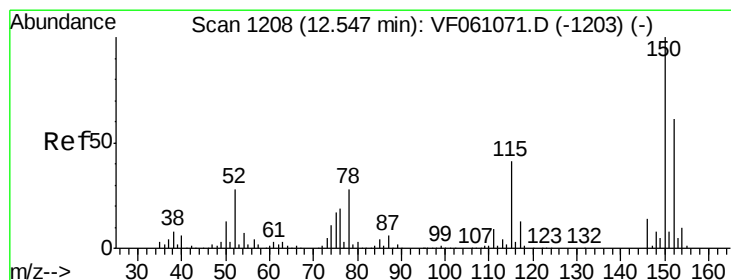
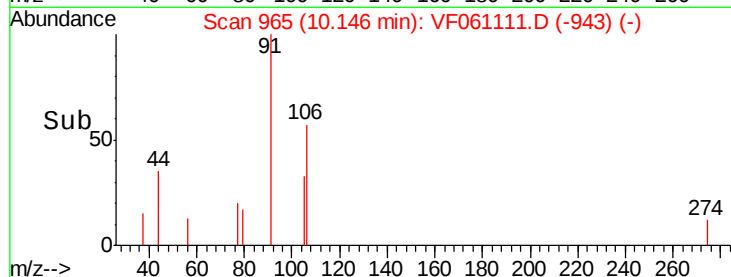
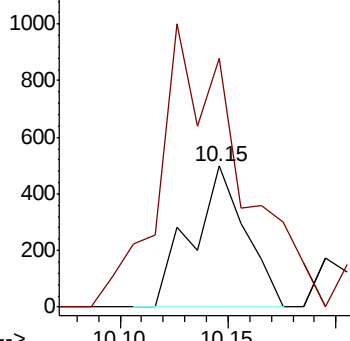
#68
m/p-Xvlenes
Concen: 9.214 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.02 min
Lab File: VF061111.D
Acq: 20 Dec 2018 16:42

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 856
Ion Ratio Lower Upper
106 100
91 176.5 168.2 252.2

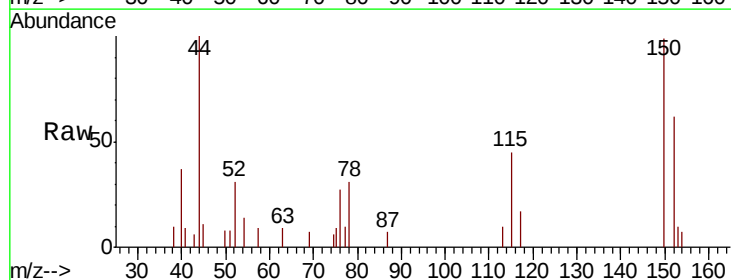


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

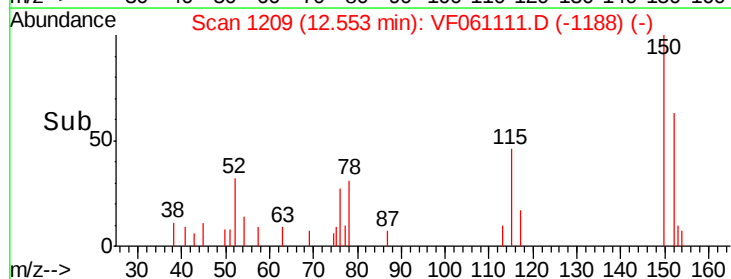
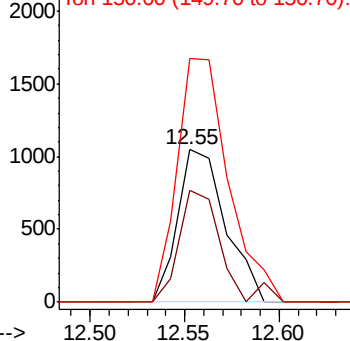


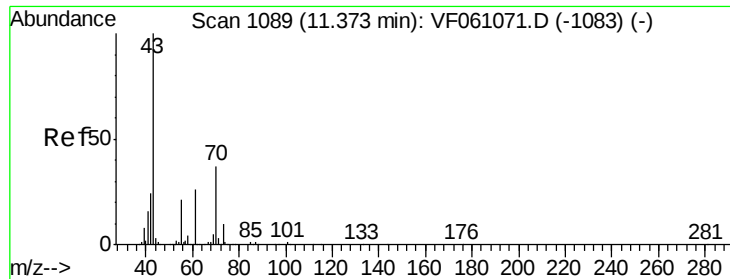
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061111.D
Acq: 20 Dec 2018 16:42

Tgt Ion:152 Resp: 1838
Ion Ratio Lower Upper
152 100
115 73.3 33.3 99.9
150 159.8 0.0 328.2



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-amyl acetate

Concen: 5.033 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 177

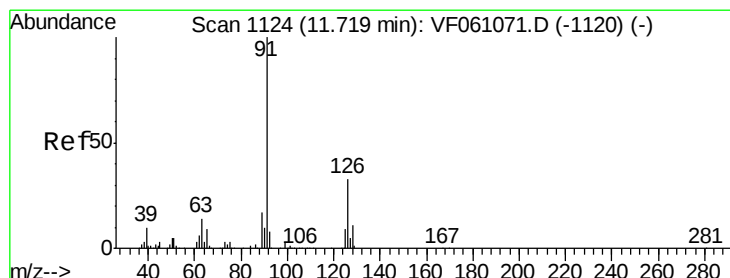
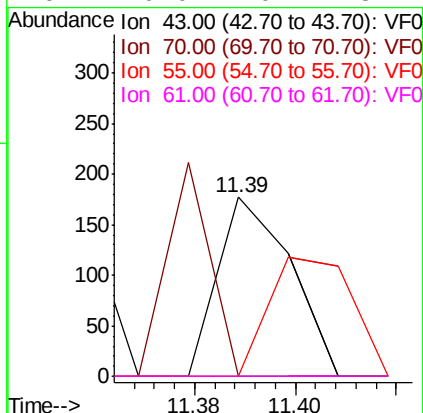
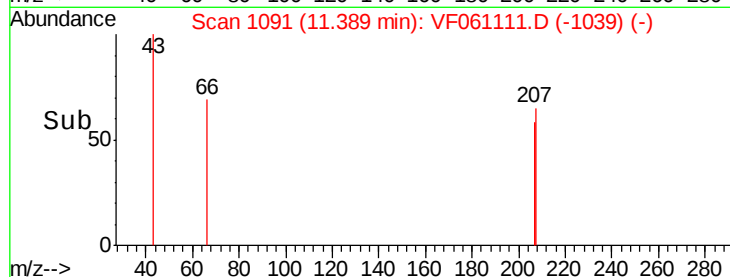
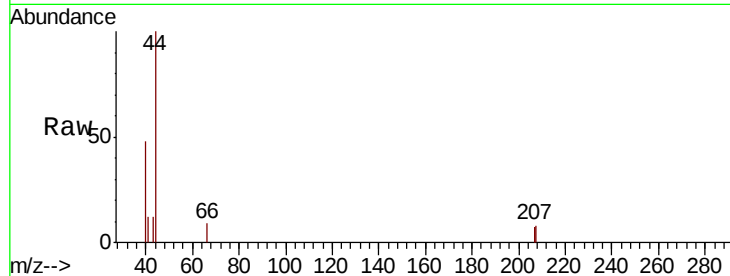
Ion Ratio Lower Upper

43 100

70 0.0 29.2 43.8#

55 0.0 16.5 24.7#

61 0.0 20.7 31.1#



#79

2-Chlorotoluene

Concen: 1.979 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VF061111.D

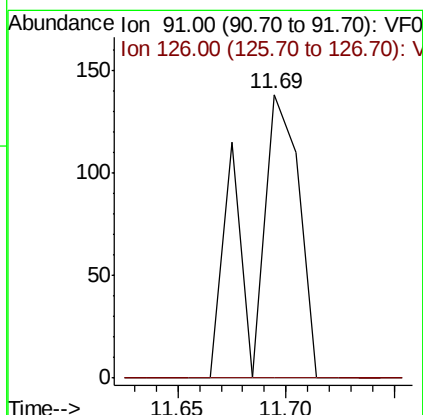
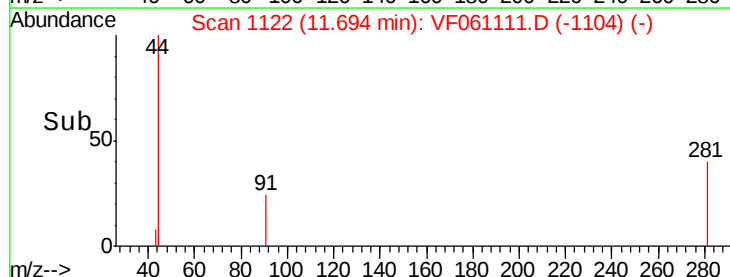
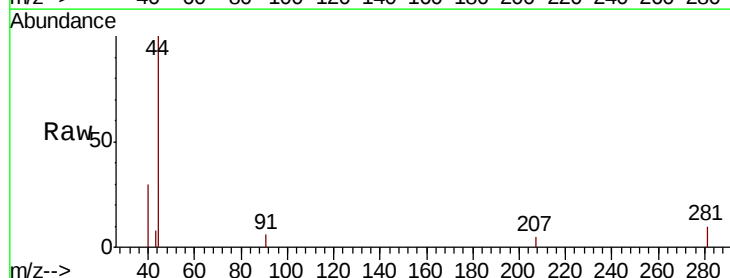
Acq: 20 Dec 2018 16:42

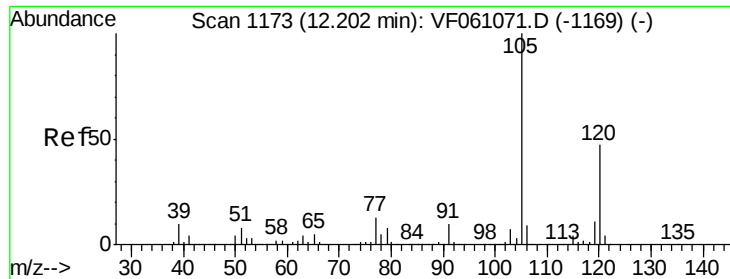
Tgt Ion: 91 Resp: 215

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#

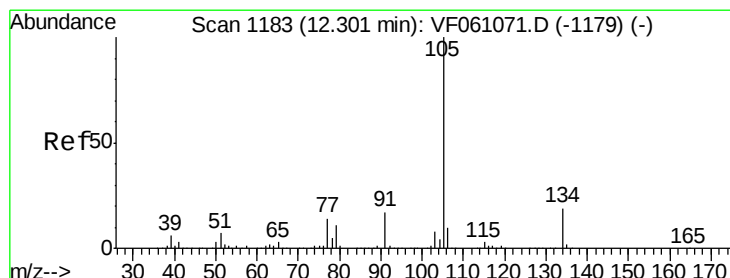
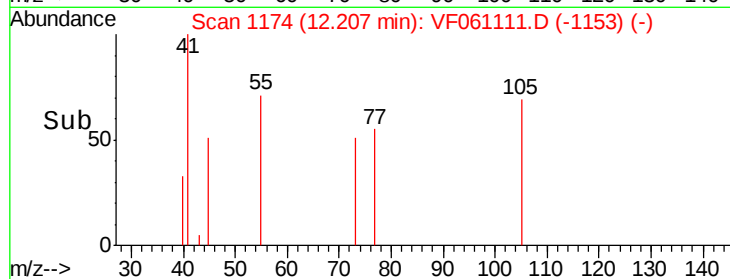
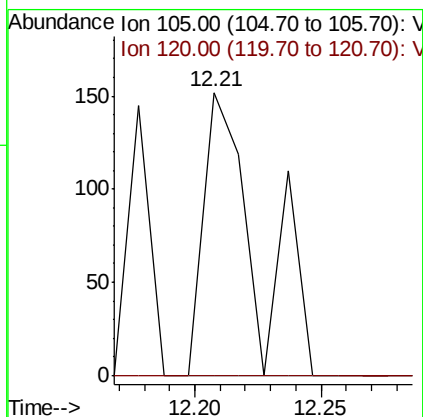
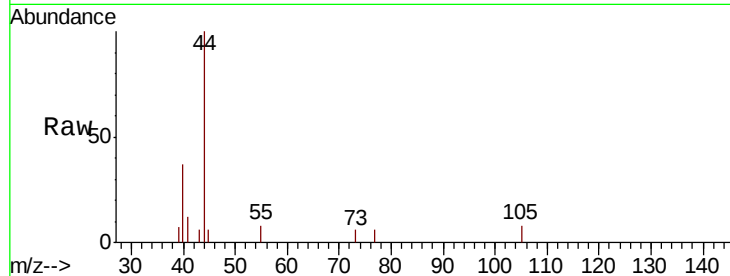




#84
1,2,4-Trimethylbenzene
Concen: 1.730 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF061111.D
Acq: 20 Dec 2018 16:42

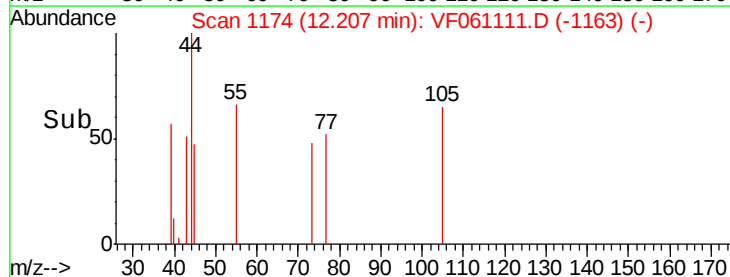
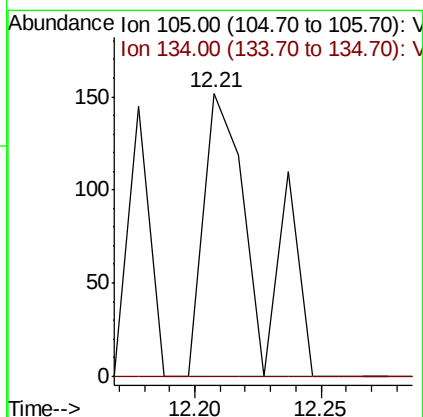
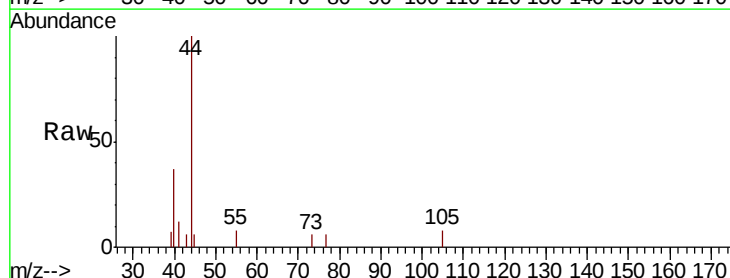
Instrument :
MSVOA_F
ClientSampleId :

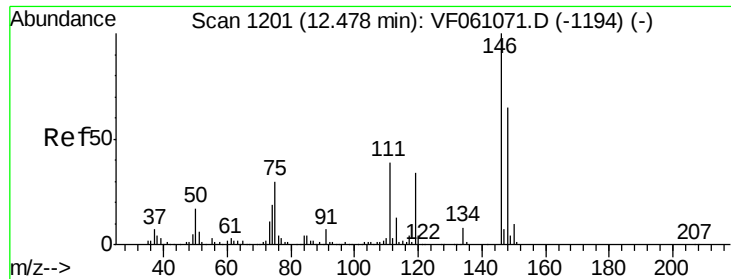
Tot Ion:105 Resp: 225
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#



#85
sec-Butylbenzene
Concen: 1.285 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.09 min
Lab File: VF061111.D
Acq: 20 Dec 2018 16:42

Tgt Ion:105 Resp: 225
Ion Ratio Lower Upper
105 100
134 0.0 9.4 28.2#





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.57 min Scan# 1211

Delta R.T. 0.09 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

Instrument :

MSVOA_F

ClientSampleId :

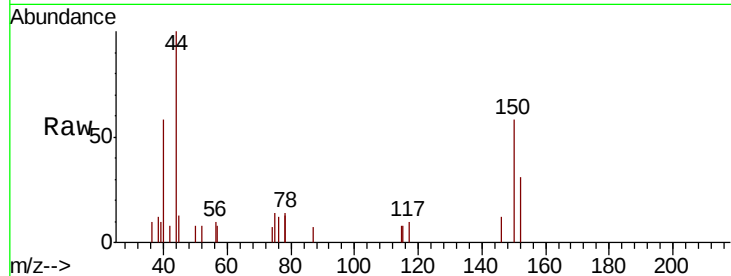
Tot Ion:146 Resp: 102

Ion Ratio Lower Upper

146 100

111 0.0 19.3 57.9#

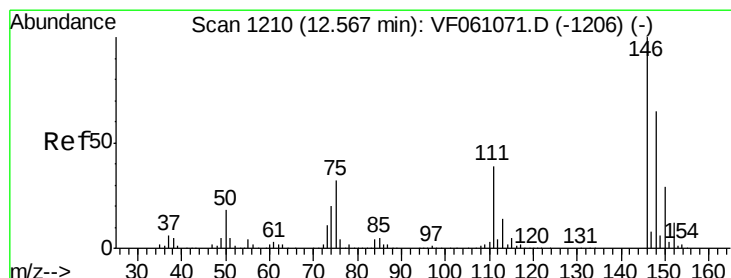
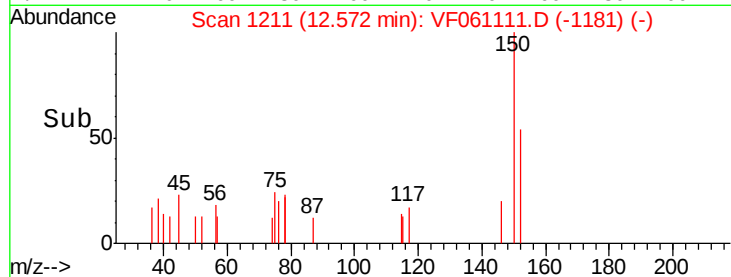
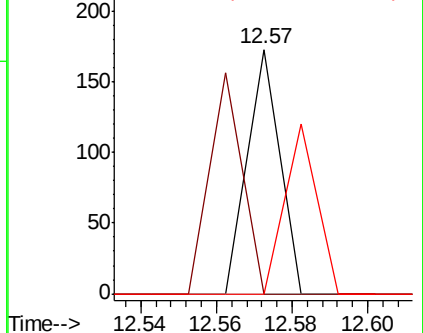
148 0.0 32.4 97.2#



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



#88

1,4-Dichlorobenzene

Concen: 1.629 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. 0.01 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

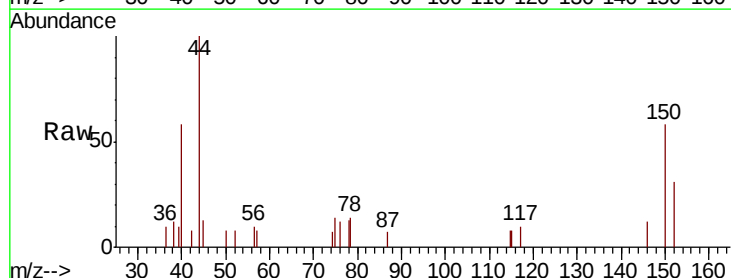
Tgt Ion:146 Resp: 102

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.4#

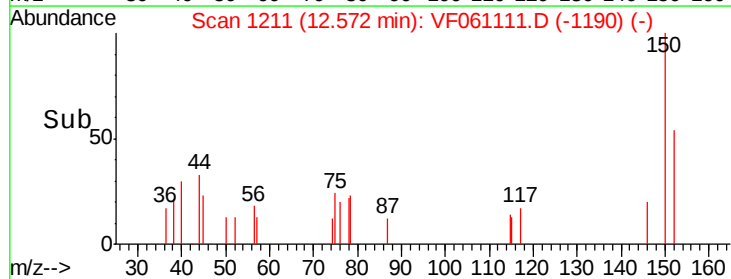
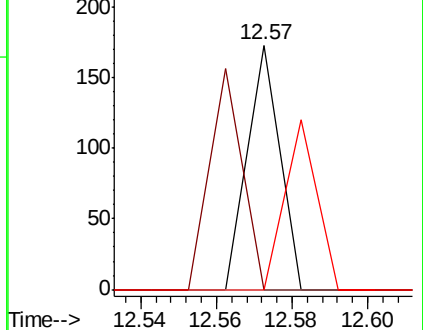
148 0.0 32.4 97.0#

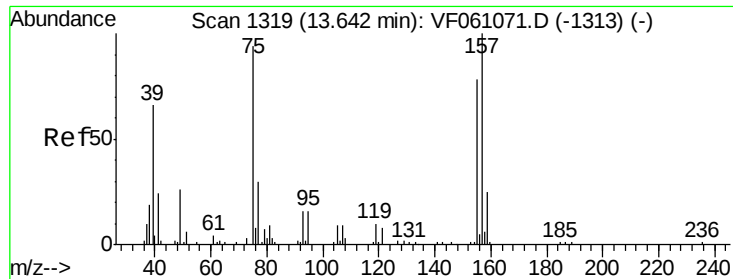


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 13.682 ug/l

RT: 13.47 min Scan# 1302

Delta R.T. -0.17 min

Lab File: VF061111.D

Acq: 20 Dec 2018 16:42

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.5#

157 0.0 53.2 159.6#

