

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061041.D
 Acq On : 17 Dec 2018 15:14
 Operator : VA/AP
 Sample : J6453-01RE
 Misc : 6.43g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 18 03:08:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

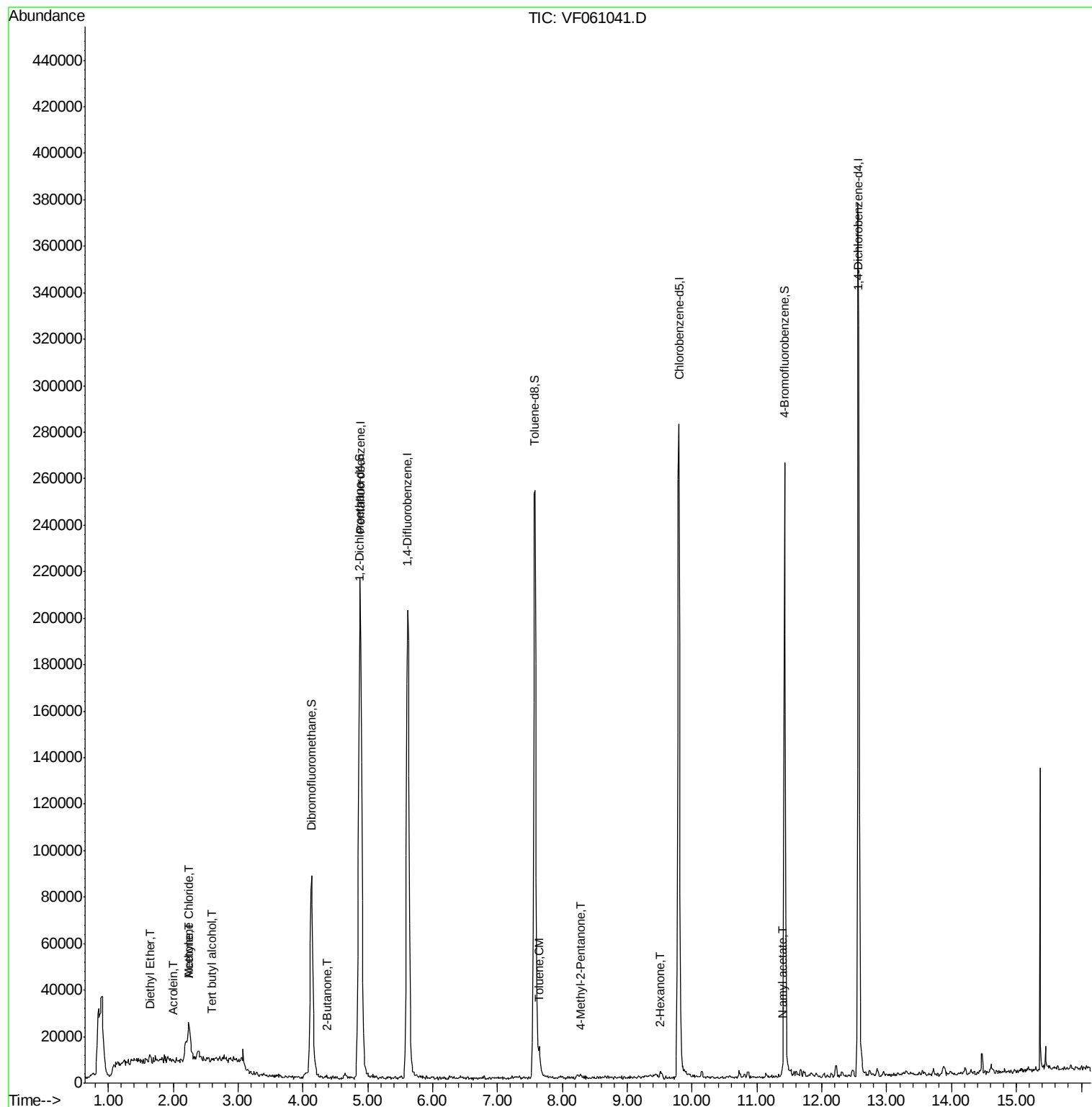
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	155790	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	226741	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.80	117	203663	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	95751	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	75114	40.93	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	81.86%	
35) Dibromofluoromethane	4.13	113	83575	46.46	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	92.92%	
50) Toluene-d8	7.58	98	221967	41.89	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	83.78%	
62) 4-Bromofluorobenzene	11.42	95	99807	41.44	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	82.88%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.63	74	819	1.877	ug/l	77
11) Tert butyl alcohol	2.60	59	727	9.663	ug/l #	1
13) Acrolein	2.00	56	798	11.195	ug/l	92
16) Acetone	2.25	43	6827	20.172	ug/l #	90
18) Methyl Acetate	2.47	43	697	Below Cal		93
20) Methylene Chloride	2.25	84	11856	9.549	ug/l	92
25) 2-Butanone	4.36	43	700	1.196	ug/l #	72
41) Methacrylonitrile	4.77	41	549	Below Cal	#	37
43) Isopropyl Acetate	6.98	43	162	Below Cal	#	49
51) 4-Methyl-2-Pentanone	8.27	43	1764	1.872	ug/l	96
52) Toluene	7.65	92	6184	1.585	ug/l	87
59) 2-Hexanone	9.51	43	2612	3.950	ug/l	92
74) N-amyl acetate	11.38	43	1955	1.119	ug/l #	77
95) Naphthalene	14.47	128	6326	Below Cal	#	94

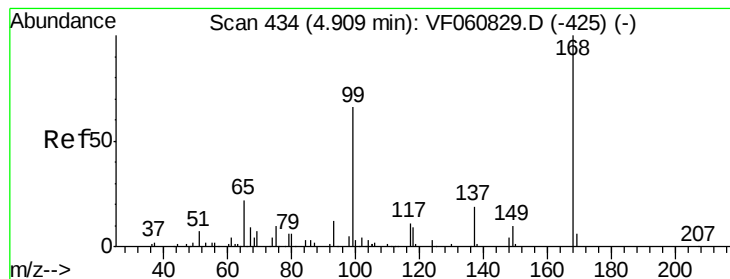
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121718\
Data File : VF061041.D
Acq On : 17 Dec 2018 15:14
Operator : VA/AP
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Misc : 6.43g/5mL/MSVOA-F/SOIL
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Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 18 03:08:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF061041.D

Acq: 17 Dec 2018 15:14

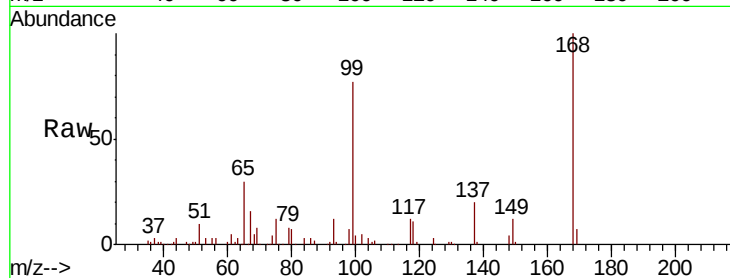
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 155790

Ion Ratio Lower Upper

168 100

99 76.9 52.6 79.0

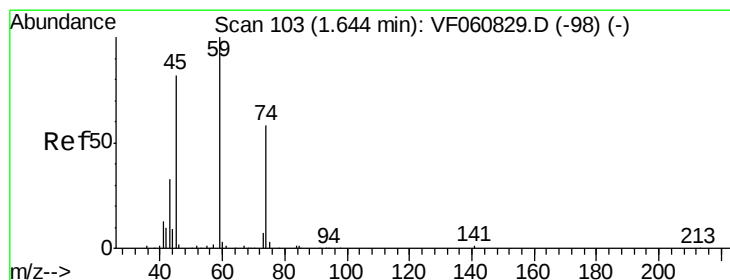
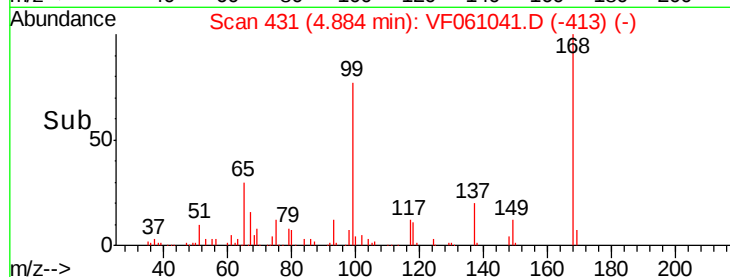


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

Time-->



#8

Diethyl Ether

Concen: 1.877 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF061041.D

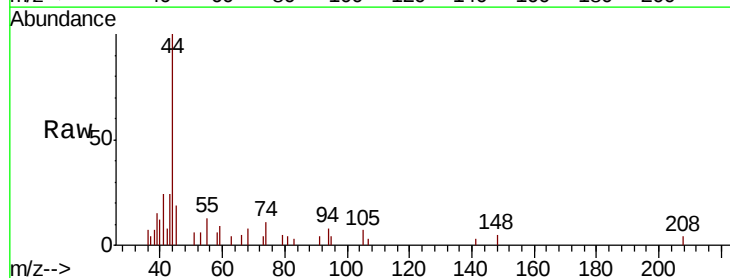
Acq: 17 Dec 2018 15:14

Tgt Ion: 74 Resp: 819

Ion Ratio Lower Upper

74 100

45 170.3 71.0 212.8

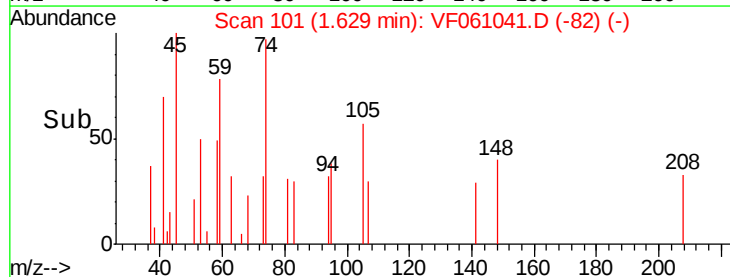


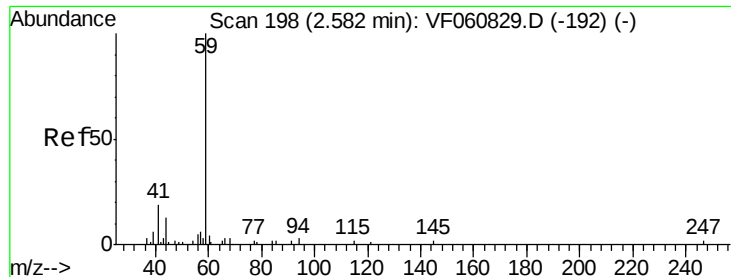
Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.63

Time-->

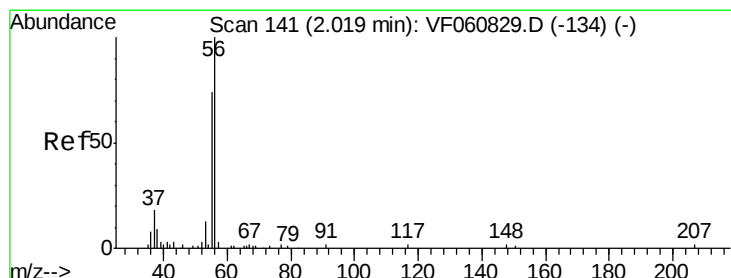
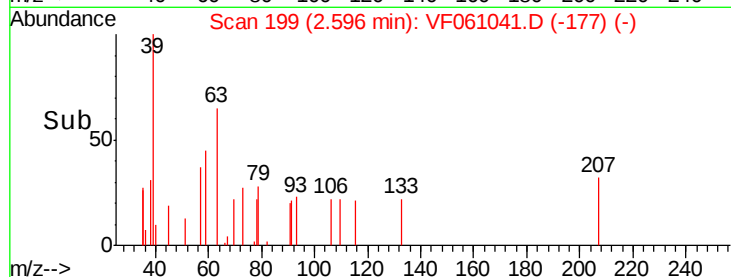
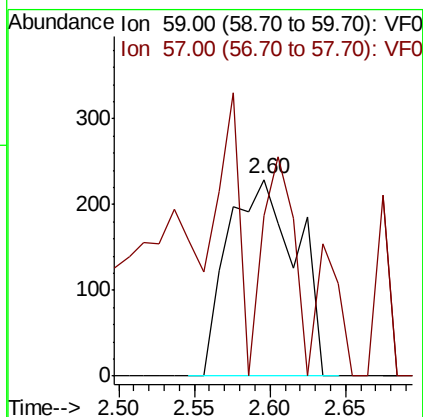
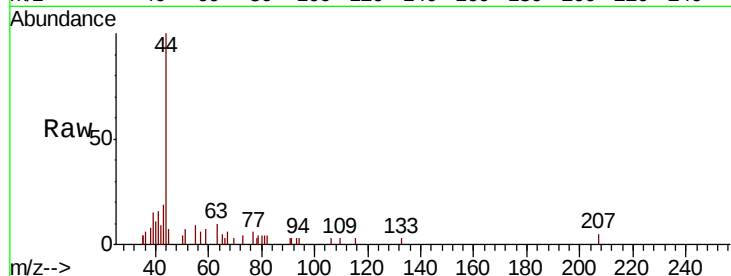




#11
Tert butyl alcohol
Concen: 9.663 ug/l
RT: 2.60 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF061041.D
Acq: 17 Dec 2018 15:14

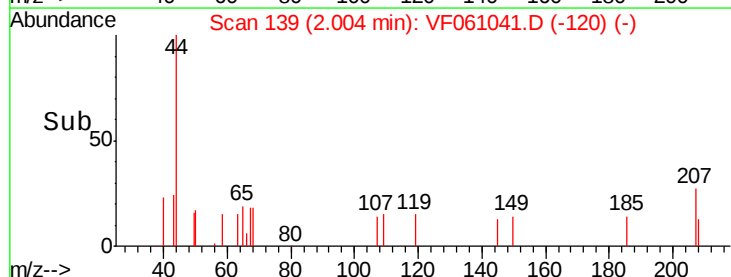
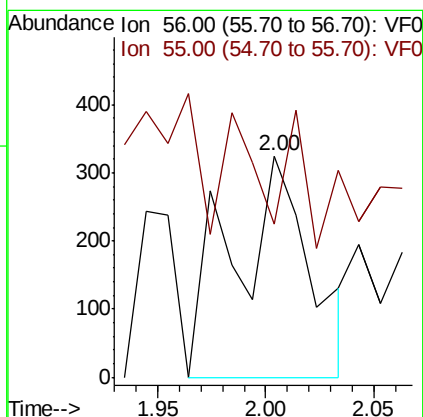
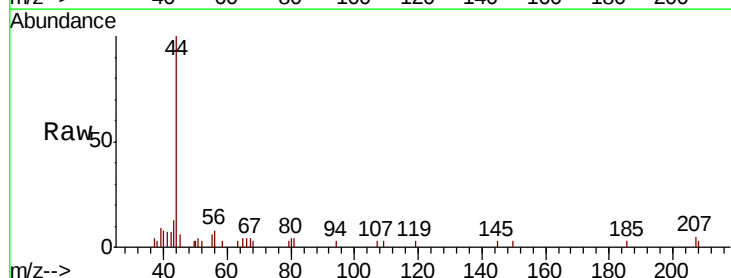
Instrument :
MSVOA_F
ClientSampleId :

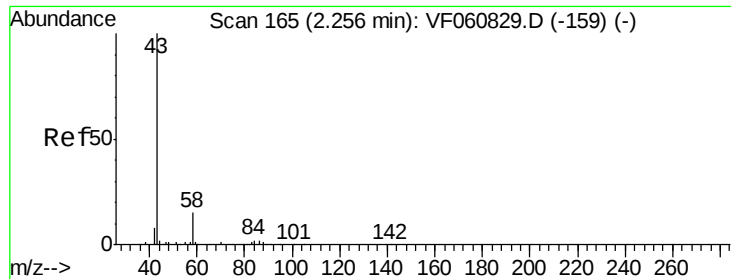
Tot Ion: 59 Resp: 727
Ion Ratio Lower Upper
59 100
57 81.7 12.7 19.1#



#13
Acrolein
Concen: 11.195 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF061041.D
Acq: 17 Dec 2018 15:14

Tgt Ion: 56 Resp: 798
Ion Ratio Lower Upper
56 100
55 69.2 61.2 91.8





#16

Acetone

Concen: 20.172 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF061041.D

Acq: 17 Dec 2018 15:14

Instrument :

MSVOA_F

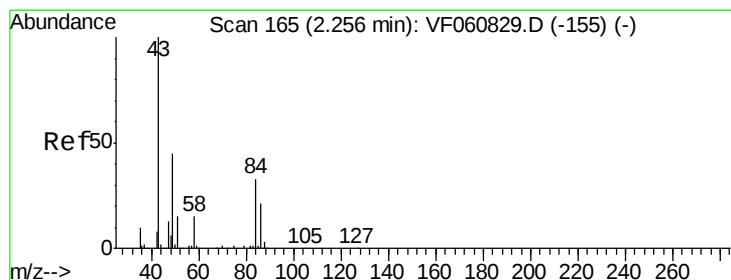
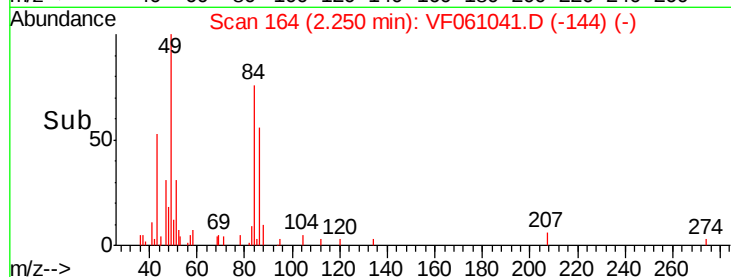
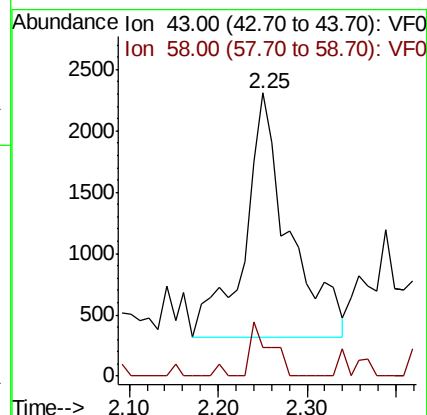
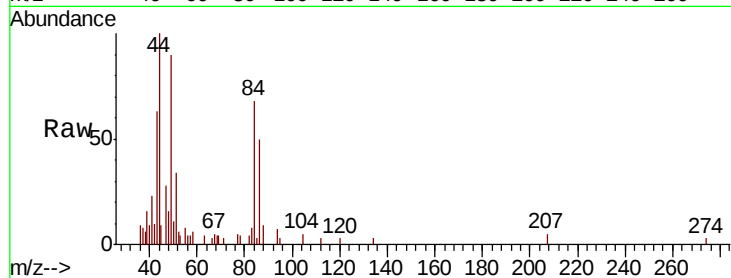
ClientSampleId :

Tot Ion: 43 Resp: 6827

Ion Ratio Lower Upper

43 100

58 10.1 11.4 17.2#



#20

Methylene Chloride

Concen: 9.549 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF061041.D

Acq: 17 Dec 2018 15:14

Tgt Ion: 84 Resp: 11856

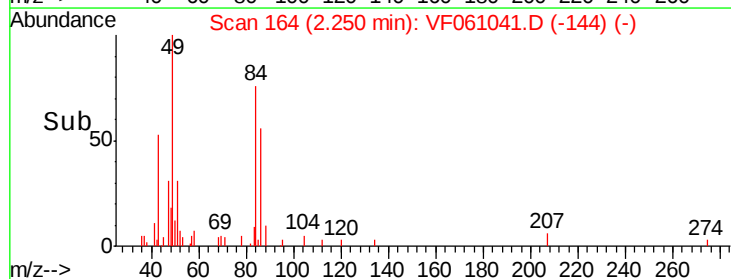
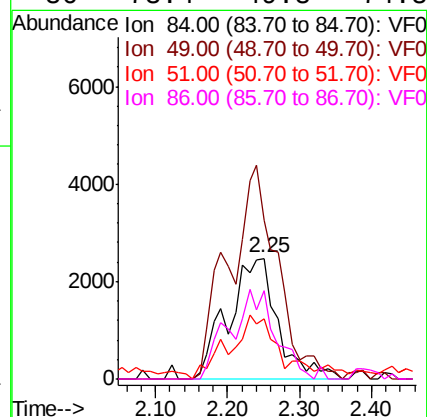
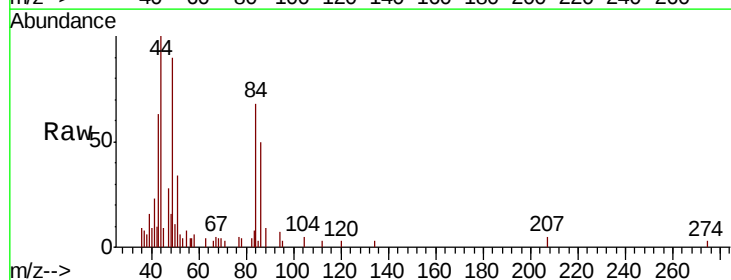
Ion Ratio Lower Upper

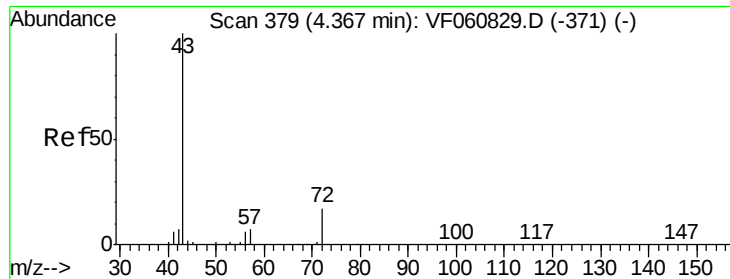
84 100

49 131.6 111.3 166.9

51 50.2 38.0 57.0

86 73.4 49.8 74.8

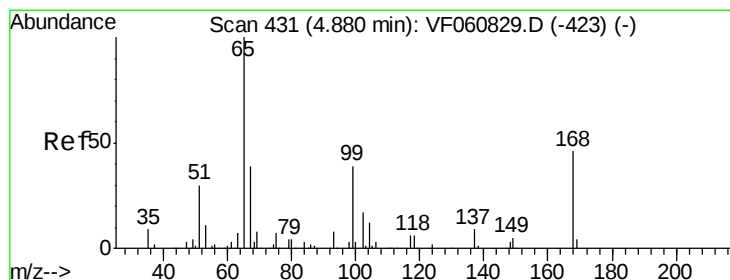
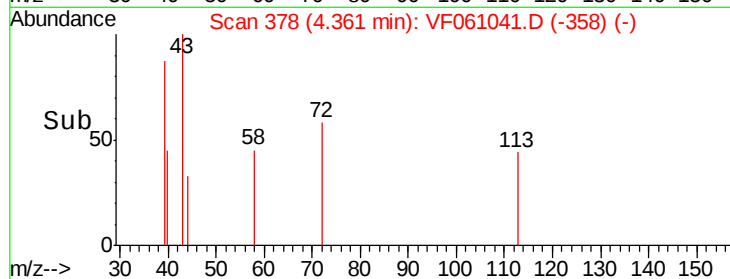
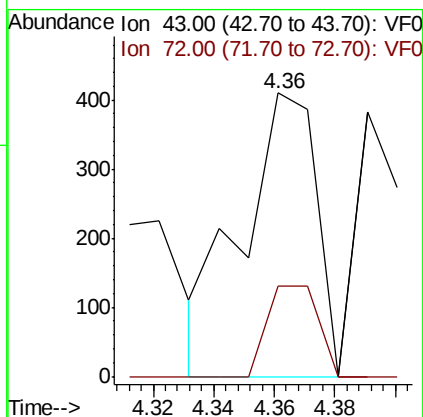
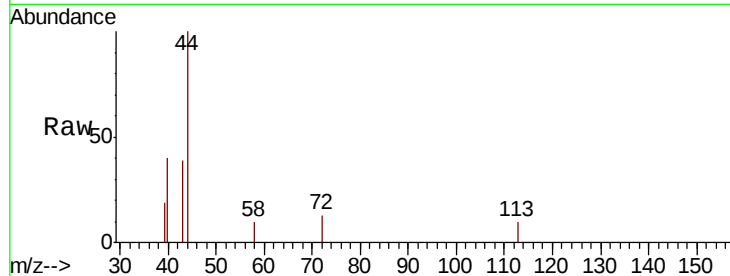




#25
 2-Butanone
 Concen: 1.196 ug/l
 RT: 4.36 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: VF061041.D
 Acq: 17 Dec 2018 15:14

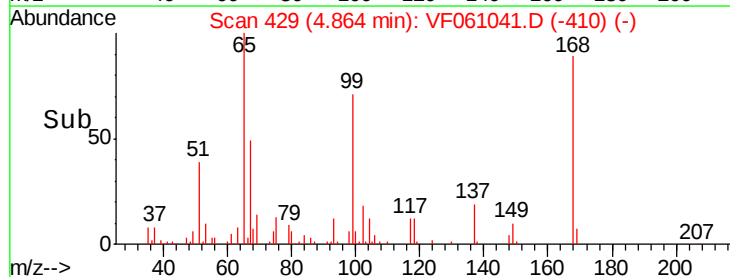
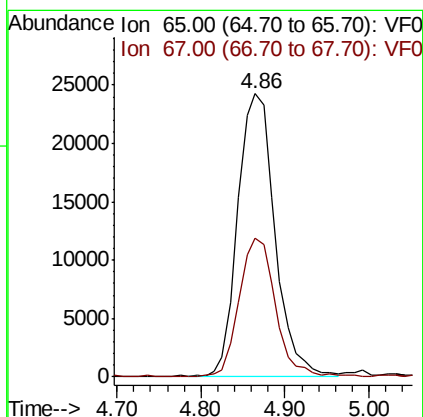
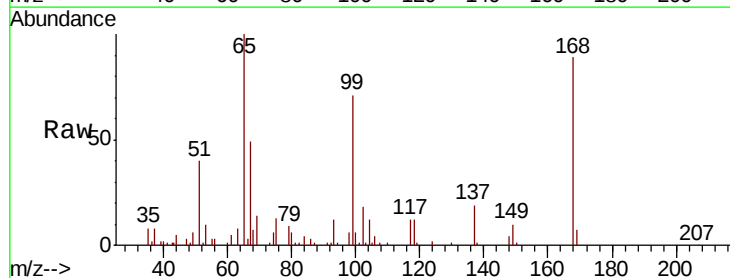
Instrument :
 MSVOA_F
 ClientSampleId :

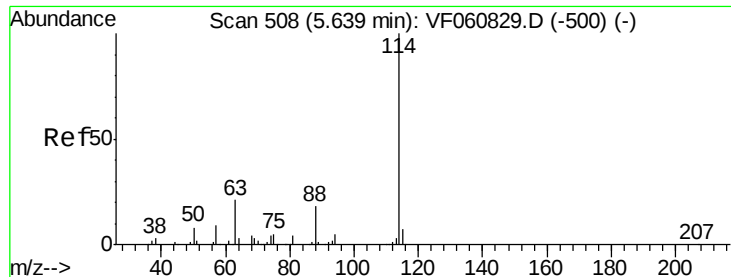
Tot Ion: 43 Resp: 700
 Ion Ratio Lower Upper
 43 100
 72 32.0 15.4 23.2#



#33
 1,2-Dichloroethane-d4
 Concen: 40.928 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.02 min
 Lab File: VF061041.D
 Acq: 17 Dec 2018 15:14

Tgt Ion: 65 Resp: 75114
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 96.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.03 min

Lab File: VF061041.D

Acq: 17 Dec 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

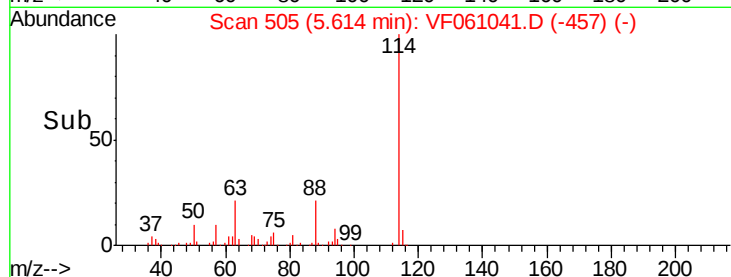
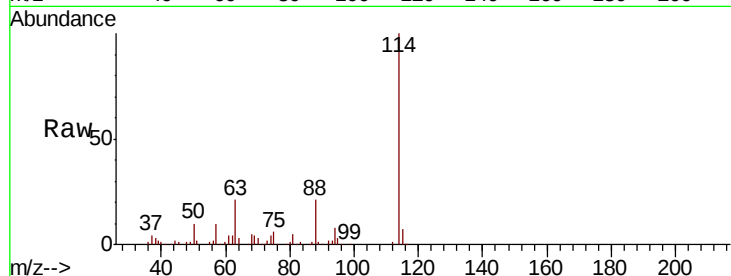
Tot Ion:114 Resp: 226741

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.6

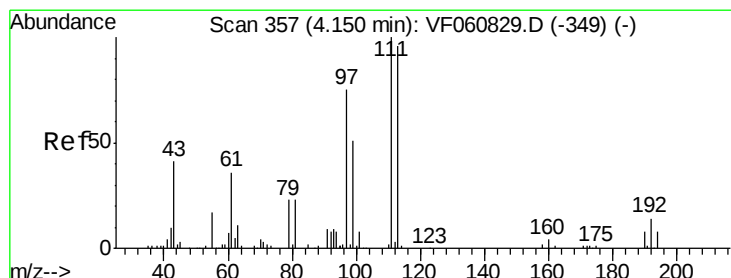
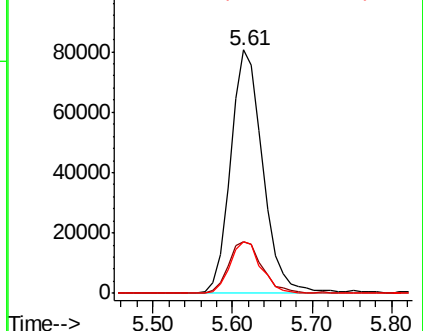
88 21.1 0.0 36.6



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: 46.462 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF061041.D

Acq: 17 Dec 2018 15:14

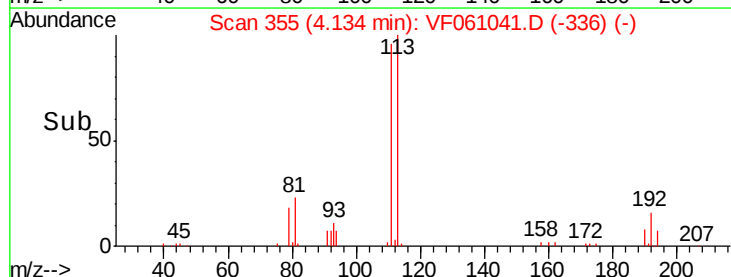
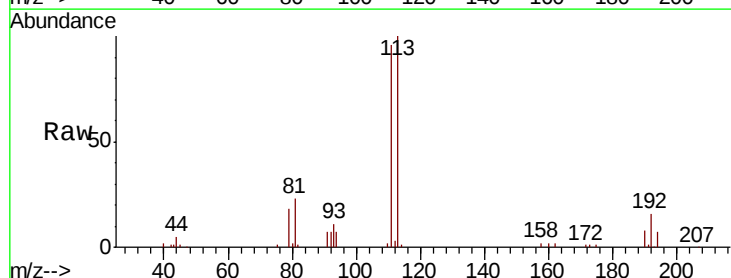
Tgt Ion:113 Resp: 83575

Ion Ratio Lower Upper

113 100

111 96.4 83.0 124.6

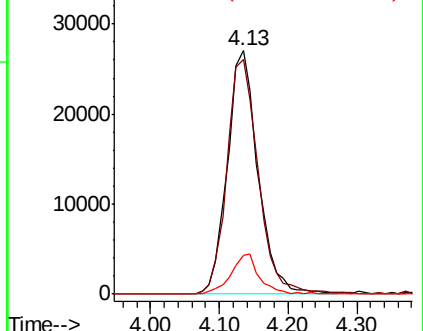
192 15.8 12.3 18.5

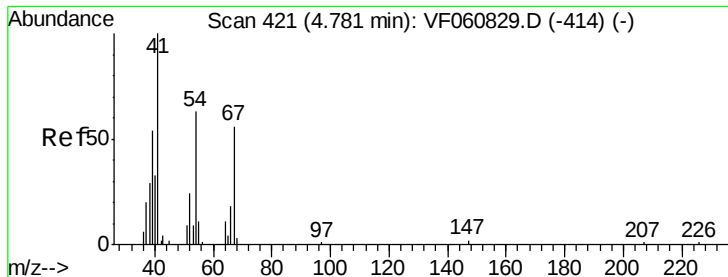


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#41

Methacrylonitrile

Concen: Below Cal

RT: 4.77 min Scan# 419

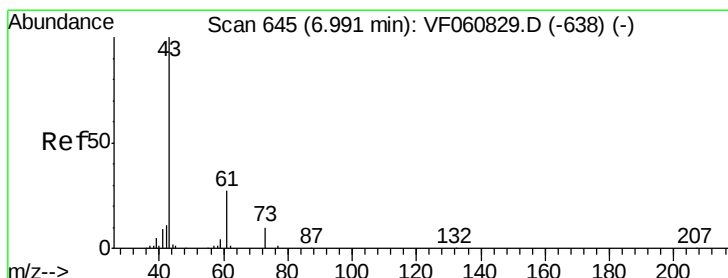
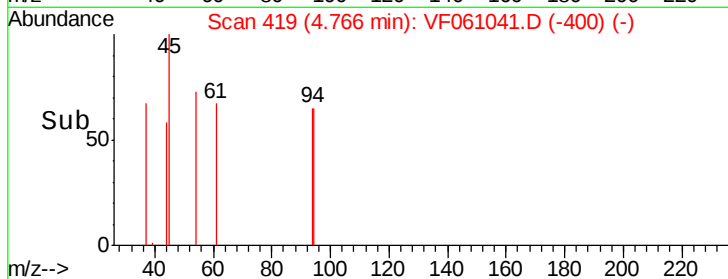
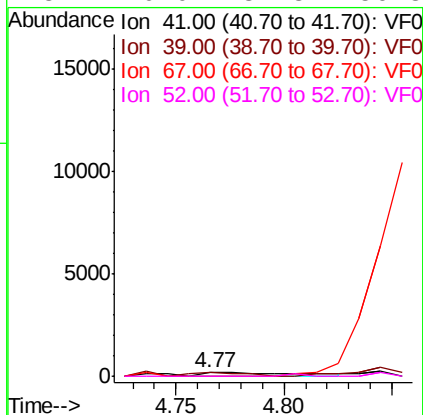
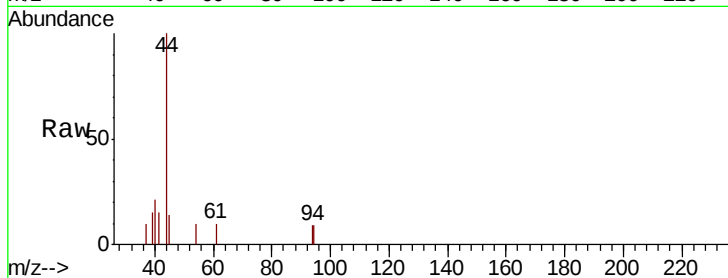
Delta R.T. -0.02 min

Lab File: VF061041.D

Acq: 17 Dec 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	549
Ion	Ratio	Lower	Upper
41	100		
39	103.7	53.0	79.6#
67	0.0	43.8	65.6#
52	0.0	37.8	56.8#



#43

Isopropyl Acetate

Concen: Below Cal

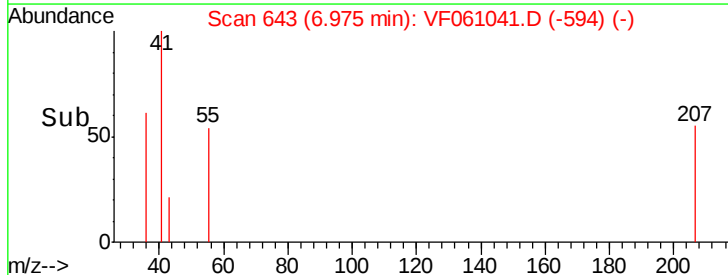
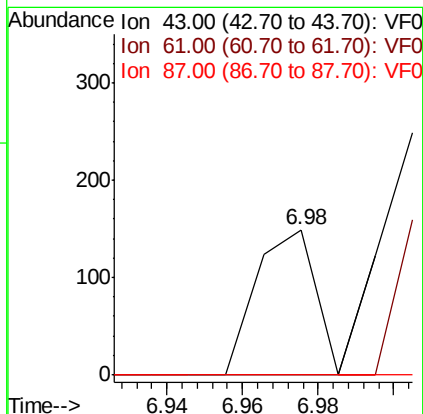
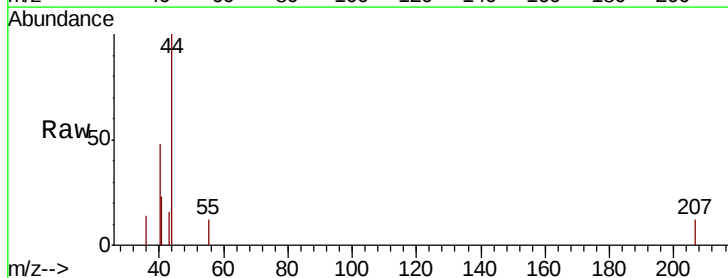
RT: 6.98 min Scan# 643

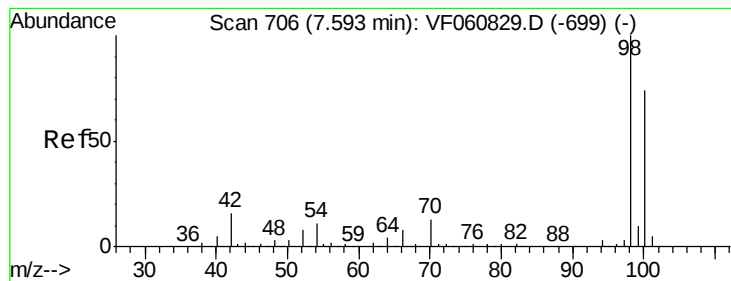
Delta R.T. -0.01 min

Lab File: VF061041.D

Acq: 17 Dec 2018 15:14

Tgt Ion:	43	Resp:	162
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.4	32.0#
87	0.0	0.2	0.4#





#50

Toluene-d8

Concen: 41.891 ug/l

RT: 7.58 min Scan# 704

Delta R.T. -0.02 min

Lab File: VF061041.D

Acq: 17 Dec 2018 15:14

Instrument :

MSVOA_F

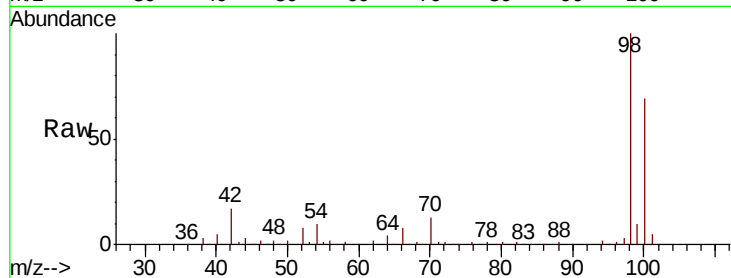
ClientSampleId :

Tot Ion: 98 Resp: 221967

Ion Ratio Lower Upper

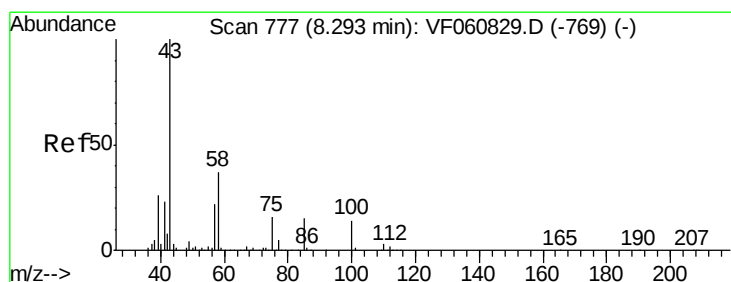
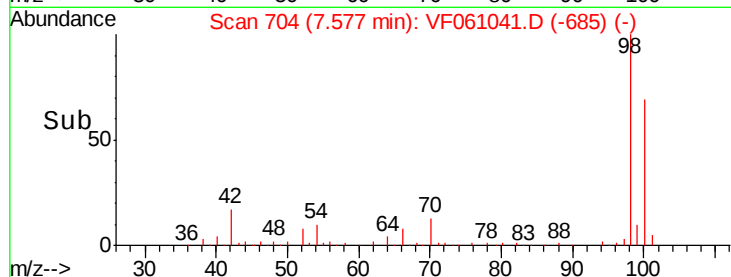
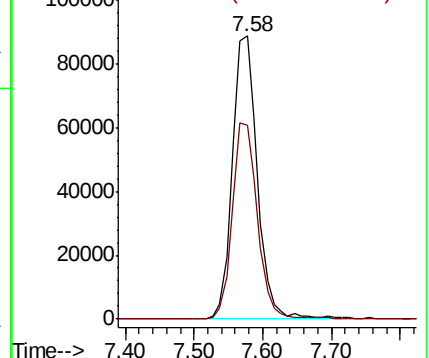
98 100

100 68.7 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 1.872 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF061041.D

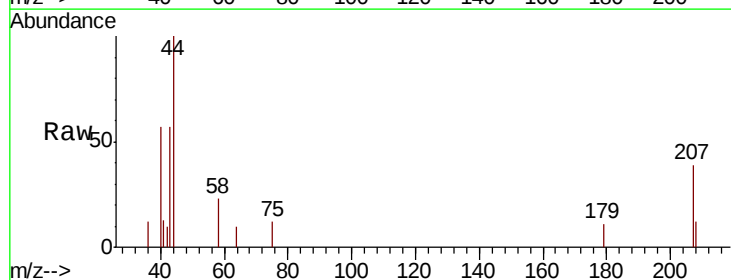
Acq: 17 Dec 2018 15:14

Tgt Ion: 43 Resp: 1764

Ion Ratio Lower Upper

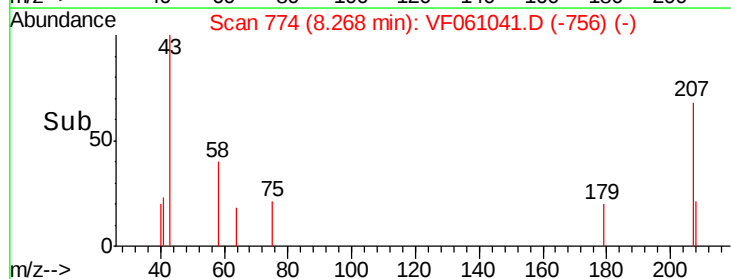
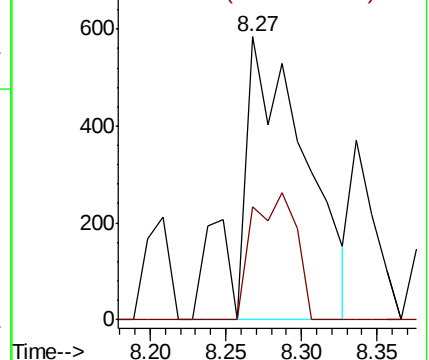
43 100

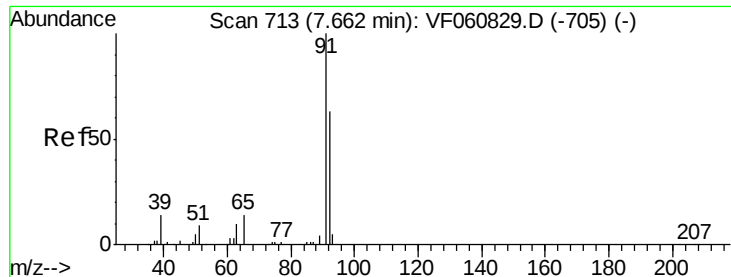
58 39.7 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#52

Toluene

Concen: 1.585 ug/l

RT: 7.65 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF061041.D

Acq: 17 Dec 2018 15:14

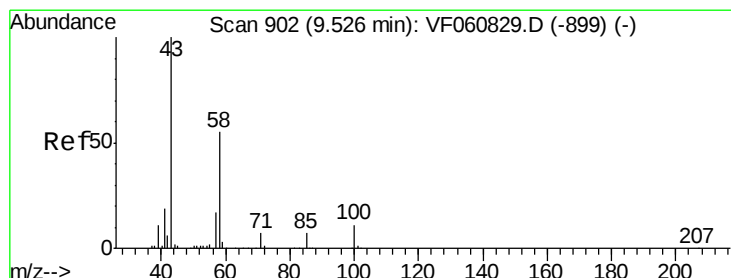
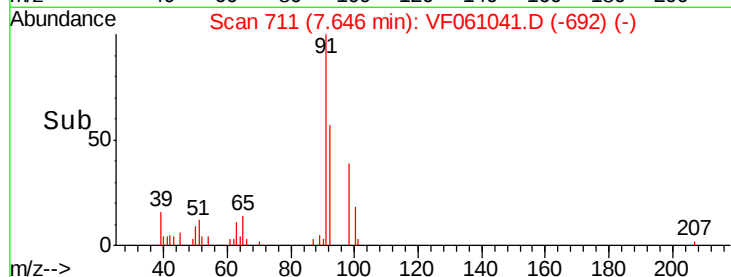
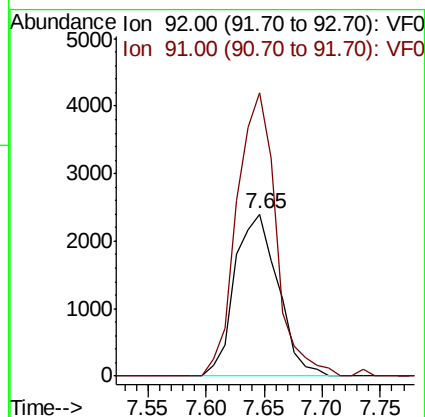
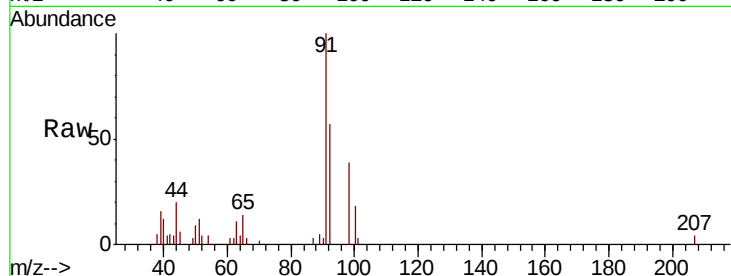
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 92 Resp: 6184

Ion Ratio Lower Upper

92 100

91 174.9 126.2 189.2



#59

2-Hexanone

Concen: 3.950 ug/l

RT: 9.51 min Scan# 900

Delta R.T. -0.02 min

Lab File: VF061041.D

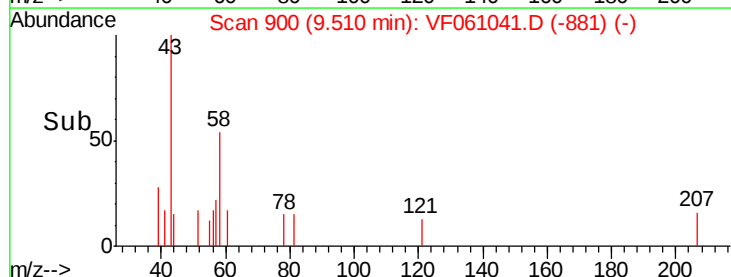
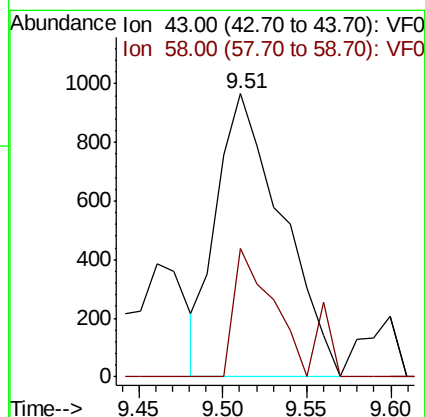
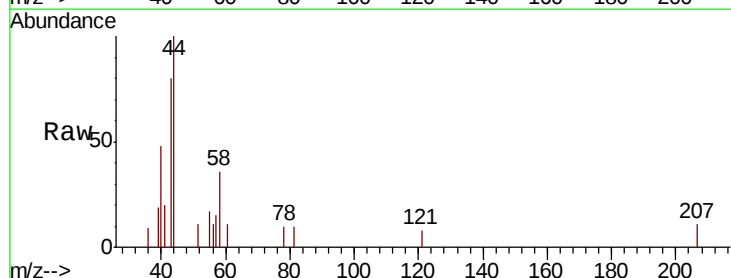
Acq: 17 Dec 2018 15:14

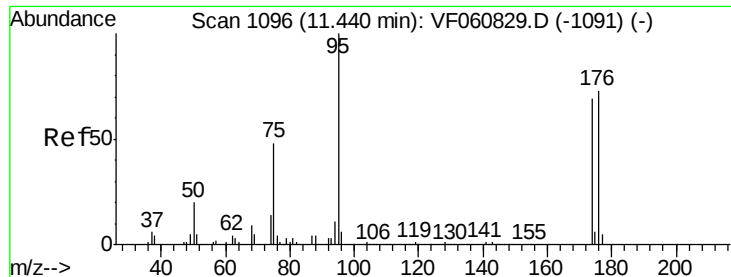
Tgt Ion: 43 Resp: 2612

Ion Ratio Lower Upper

43 100

58 45.4 25.6 76.6





#62

4-Bromofluorobenzene

Concen: 41.445 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF061041.D

Acq: 17 Dec 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

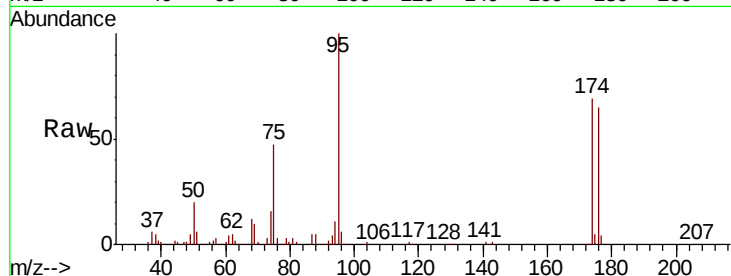
Tot Ion: 95 Resp: 99807

Ion Ratio Lower Upper

95 100

174 68.5 0.0 138.2

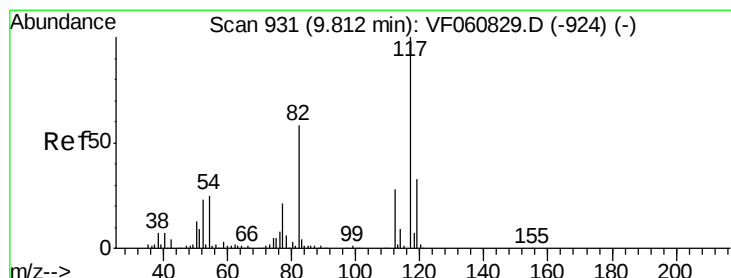
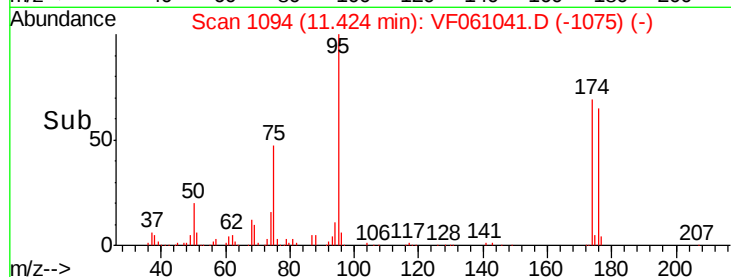
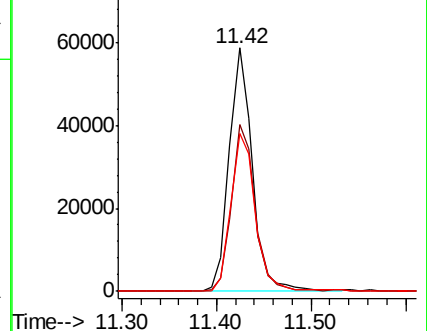
176 65.0 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF060829.D (-1091) (-)

Ion 174.00 (173.70 to 174.70): VF060829.D (-1091) (-)

Ion 176.00 (175.70 to 176.70): VF060829.D (-1091) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.80 min Scan# 929

Delta R.T. -0.02 min

Lab File: VF061041.D

Acq: 17 Dec 2018 15:14

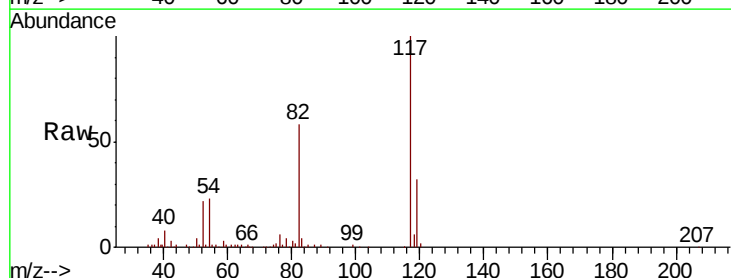
Tgt Ion: 117 Resp: 203663

Ion Ratio Lower Upper

117 100

82 57.9 46.6 69.8

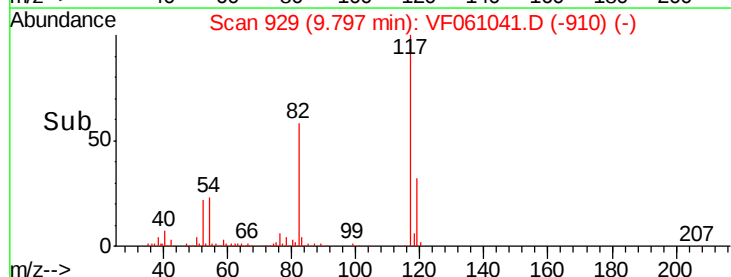
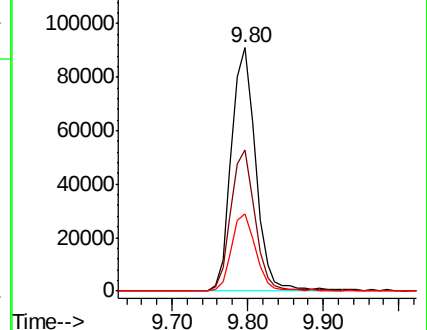
119 31.5 26.4 39.6

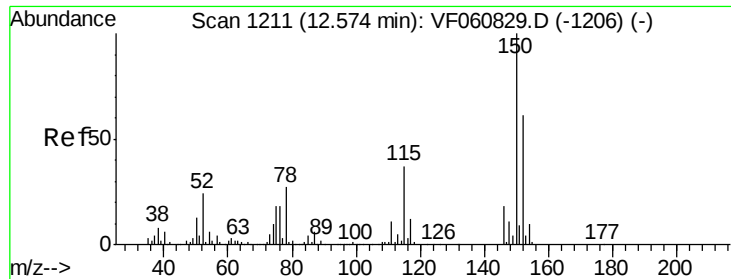


Abundance Ion 117.00 (116.70 to 117.70): VF060829.D (-924) (-)

Ion 82.00 (81.70 to 82.70): VF060829.D (-924) (-)

Ion 119.00 (118.70 to 119.70): VF060829.D (-924) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF061041.D

Acq: 17 Dec 2018 15:14

Instrument :

MSVOA_F

ClientSampled :

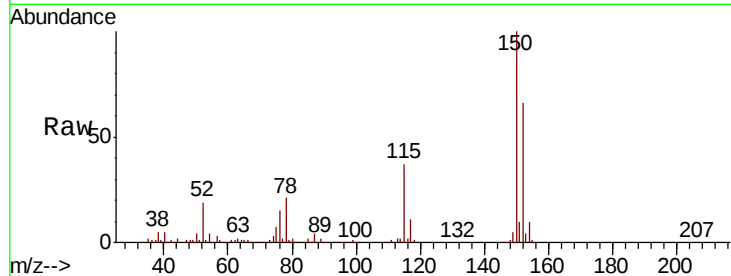
Tot Ion:152 Resp: 95751

Ion Ratio Lower Upper

152 100

115 56.7 30.1 90.5

150 152.6 0.0 327.6

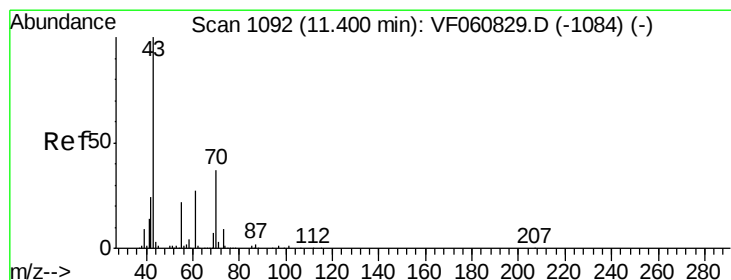
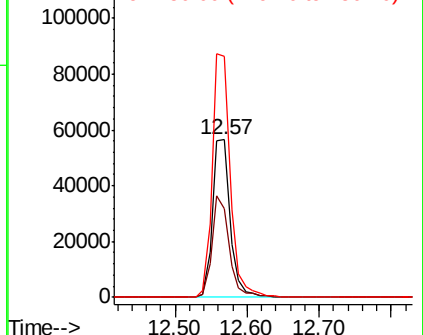
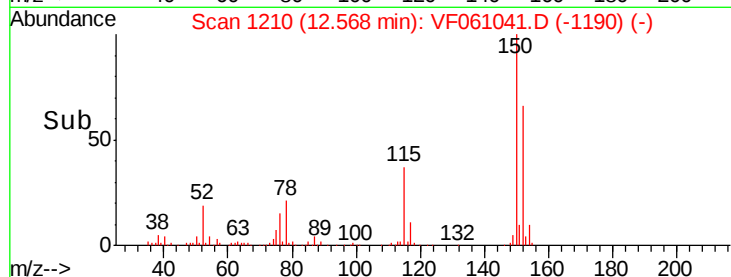


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#74

N-ethyl acetate

Concen: 1.119 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VF061041.D

Acq: 17 Dec 2018 15:14

Tgt Ion: 43 Resp: 1955

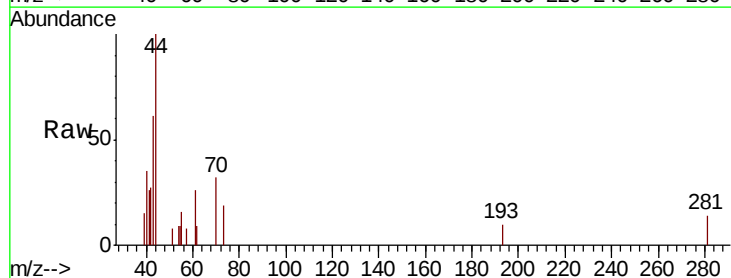
Ion Ratio Lower Upper

43 100

70 52.1 29.6 44.4#

55 26.2 17.2 25.8#

61 42.3 21.8 32.6#



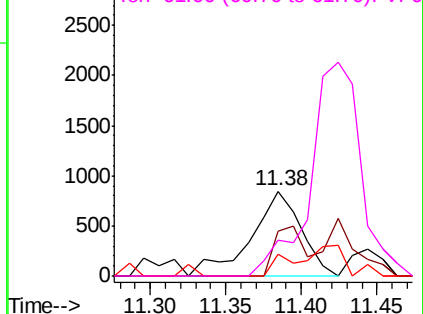
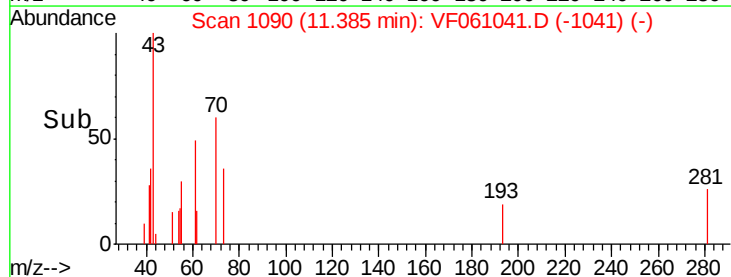
Abundance

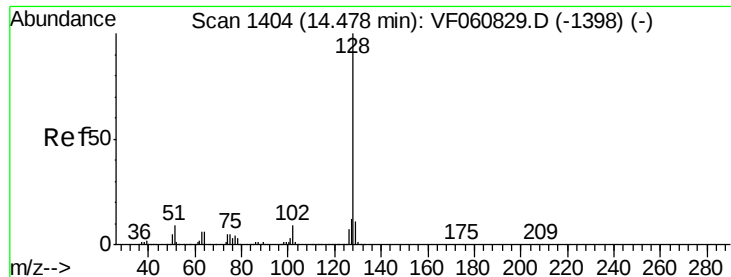
Ion 43.00 (42.70 to 43.70): VF0

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

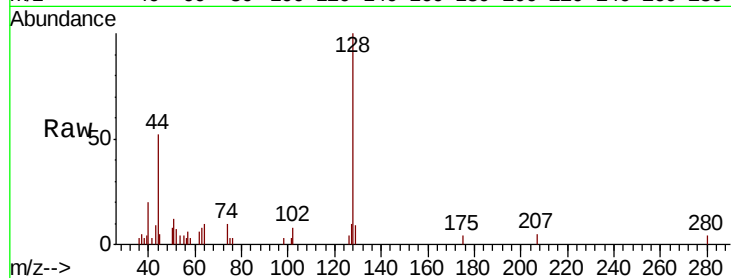




#95
Naphthalene
Concen: Below Cal
RT: 14.47 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF061041.D
Acq: 17 Dec 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 6326
Ion Ratio Lower Upper
128 100
127 10.0 9.9 14.9
129 9.0 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

