

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061044.D
 Acq On : 17 Dec 2018 16:57
 Operator : VA/AP
 Sample : J6319-11RE
 Misc : 3.83g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 18 03:08:43 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	4.89	168	13528	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	17671	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	10625	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	3471	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.87	65	2496	15.66	ug/l	-0.01
Spiked Amount			Recovery	=	31.32%	
35) Dibromofluoromethane	4.13	113	3876	27.65	ug/l	-0.02
Spiked Amount			Recovery	=	55.30%	
50) Toluene-d8	7.57	98	12217	29.58	ug/l	-0.02
Spiked Amount			Recovery	=	59.16%	
62) 4-Bromofluorobenzene	11.43	95	4923	26.23	ug/l	-0.01
Spiked Amount			Recovery	=	52.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	399	3.031	ug/l #	41
5) Bromomethane	1.34	94	259	2.992	ug/l #	2
6) Chloroethane	1.44	64	92	1.734	ug/l #	40
8) Diethyl Ether	1.62	74	62	1.637	ug/l #	1
11) Tert butyl alcohol	2.72	59	121	18.522	ug/l #	1
13) Acrolein	2.02	56	614	99.199	ug/l #	72
14) Allyl chloride	2.09	41	1146	8.584	ug/l #	55
15) Acrylonitrile	2.94	53	537	36.666	ug/l #	29
16) Acetone	2.26	43	721	24.534	ug/l #	65
18) Methyl Acetate	2.42	43	408	6.851	ug/l	99
20) Methylene Chloride	2.24	84	253	2.347	ug/l #	1
21) trans-1,2-Dichloroethene	2.31	96	133	1.288	ug/l #	1
22) Diisopropyl ether	2.84	45	514	1.414	ug/l #	16
23) Vinyl Acetate	3.23	43	197	1.186	ug/l #	80
25) 2-Butanone	4.35	43	390	7.673	ug/l #	57
29) Tetrahydrofuran	4.11	42	236	10.953	ug/l #	37
31) Cyclohexane	3.73	56	666	2.968	ug/l #	15
37) Ethyl Acetate	4.16	43	331	4.156	ug/l #	14
39) Methylcyclohexane	5.46	83	224	1.091	ug/l #	12
43) Isopropyl Acetate	6.98	43	140	Below Cal	#	49
48) Methyl methacrylate	6.74	41	144	1.997	ug/l #	45
51) 4-Methyl-2-Pentanone	8.27	43	708	9.639	ug/l #	38
56) Ethyl methacrylate	8.65	69	453	4.601	ug/l #	72
59) 2-Hexanone	9.53	43	693	13.449	ug/l #	27
68) m/p-Xylenes	10.15	106	147	1.062	ug/l	74
73) Isopropylbenzene	11.14	105	369	1.345	ug/l #	51
74) N-amyl acetate	11.41	43	314	4.957	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.69	83	589	13.047	ug/l #	41
76) 1,2,3-Trichloropropane	11.87	75	138	4.206	ug/l #	1
78) n-propylbenzene	11.62	91	1414	4.402	ug/l #	56
81) trans-1,4-Dichloro-2-buten	11.87	75	138	8.584	ug/l #	1
85) sec-Butylbenzene	12.32	105	736	2.370	ug/l #	50
89) n-Butylbenzene	12.86	91	1058	4.019	ug/l #	62
92) 1,2-Dibromo-3-Chloropropan	13.66	75	66	7.562	ug/l #	1

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QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

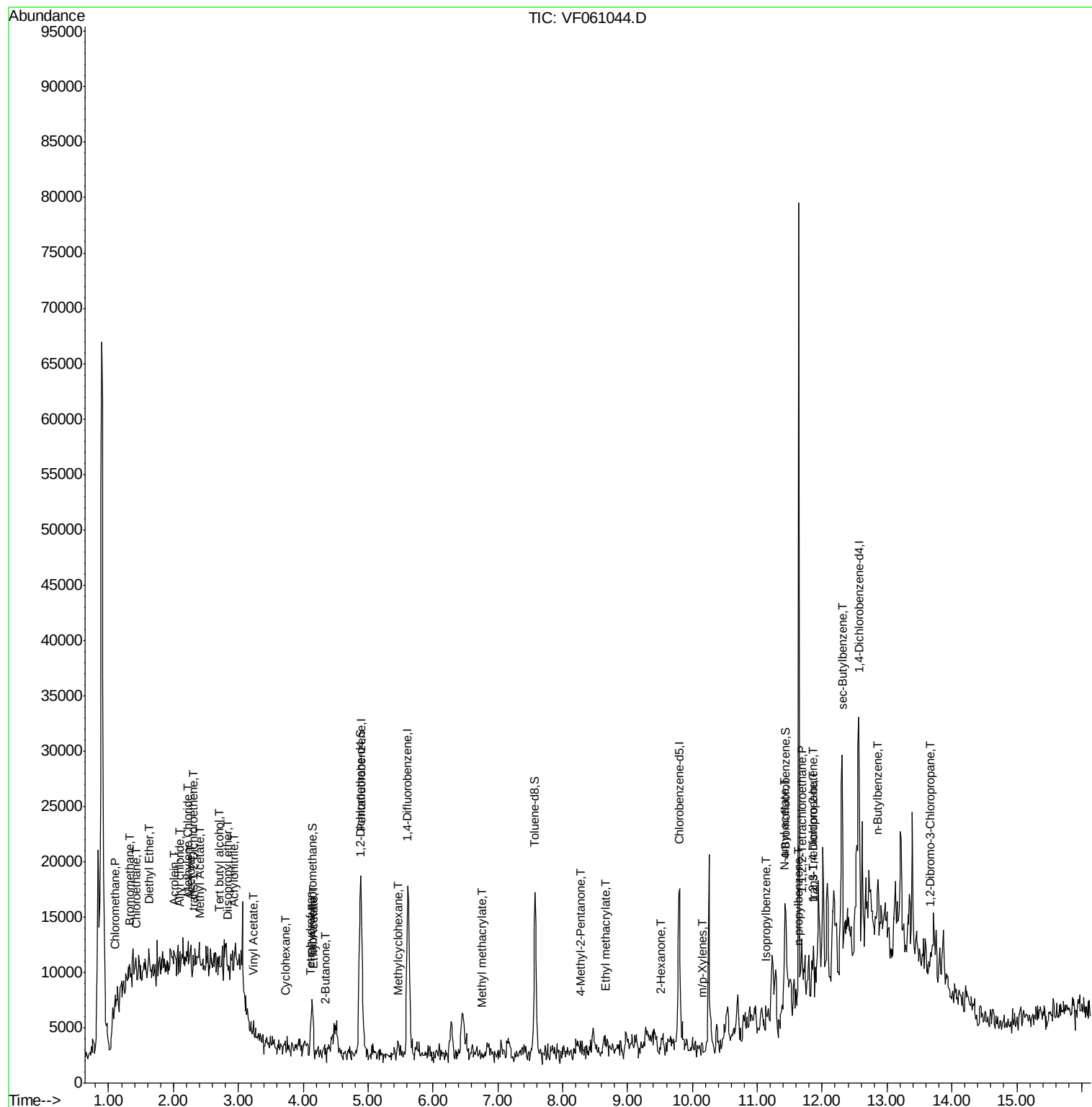
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
95) Naphthalene	14.48	128	78	Below Cal	#	69
-----	-----	-----	-----	-----	-----	-----

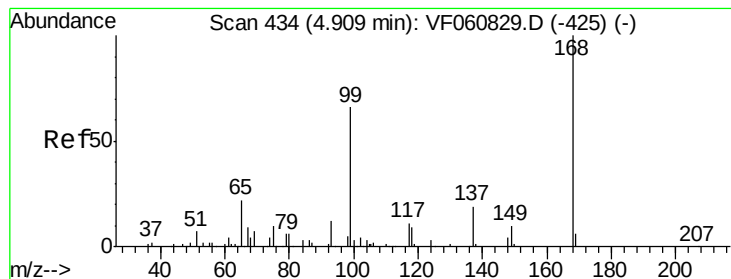
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121718\
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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: VF061044.D

Acq: 17 Dec 2018 16:57

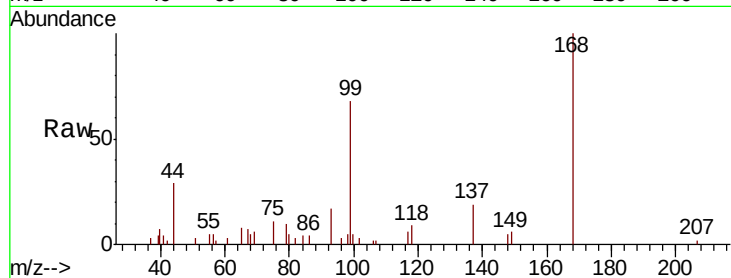
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 13528

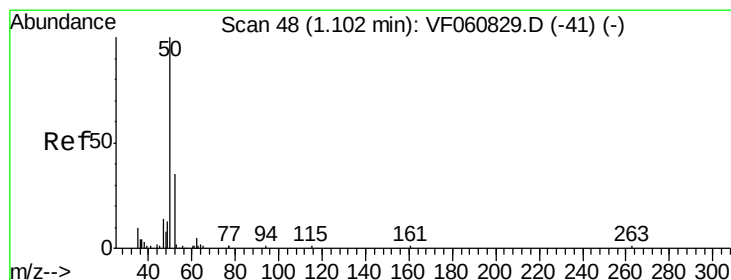
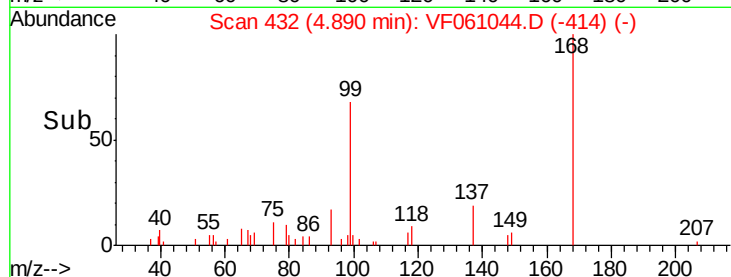
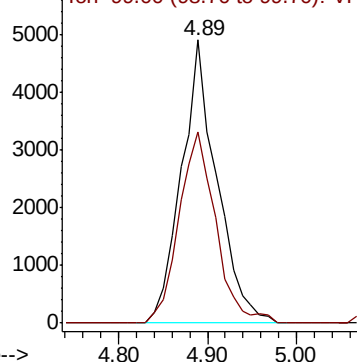
Ion Ratio Lower Upper

168 100

99 67.6 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 3.031 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061044.D

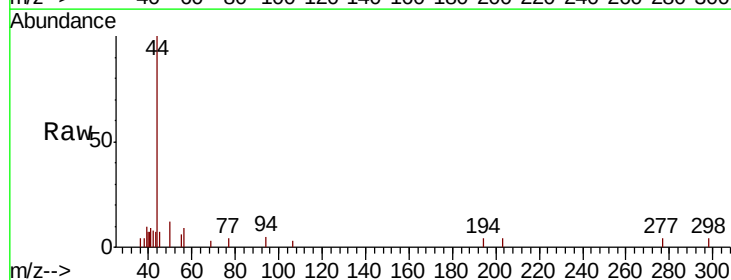
Acq: 17 Dec 2018 16:57

Tgt Ion: 50 Resp: 399

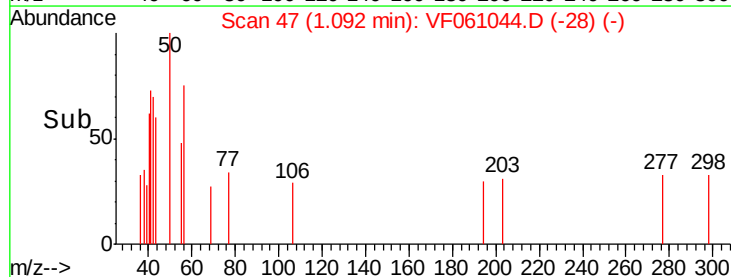
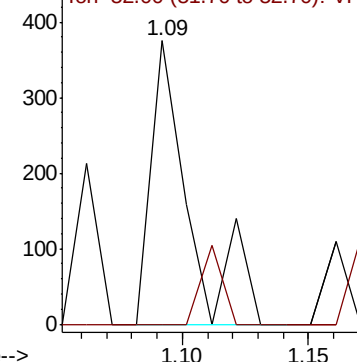
Ion Ratio Lower Upper

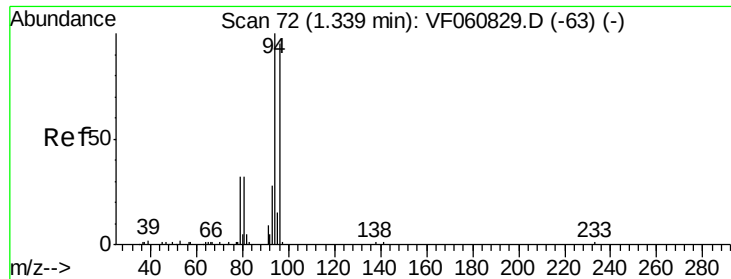
50 100

52 0.0 27.0 40.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#5

Bromomethane

Concen: 2.992 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

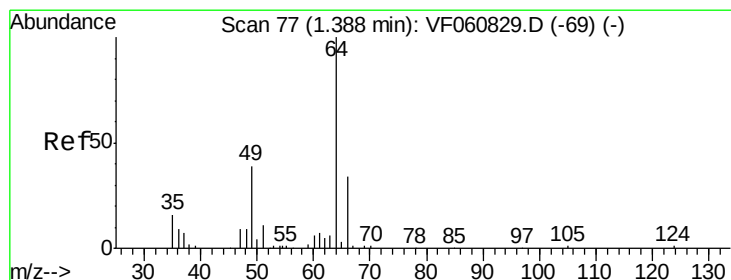
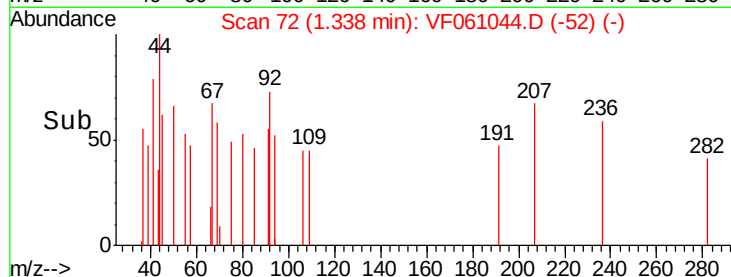
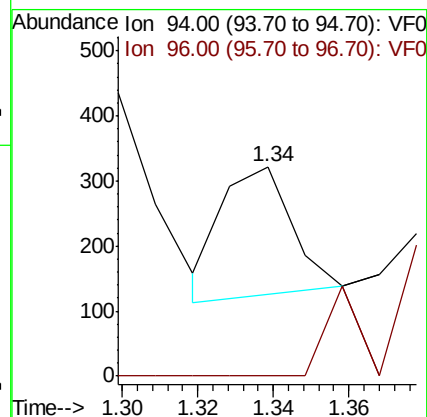
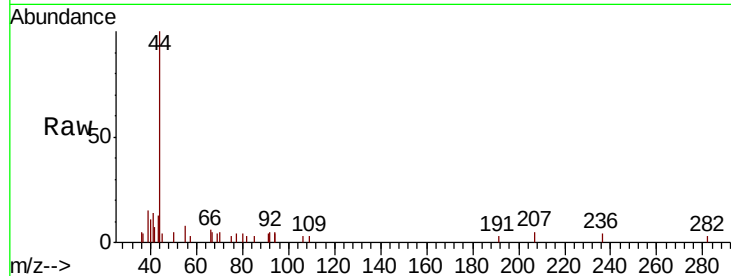
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 259

Ion Ratio Lower Upper

94 100

96 0.0 75.9 113.9#



#6

Chloroethane

Concen: 1.734 ug/l

RT: 1.44 min Scan# 82

Delta R.T. 0.05 min

Lab File: VF061044.D

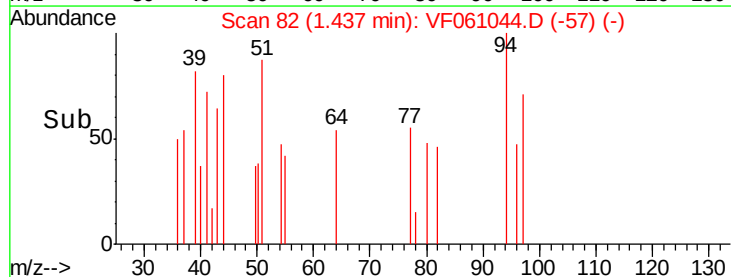
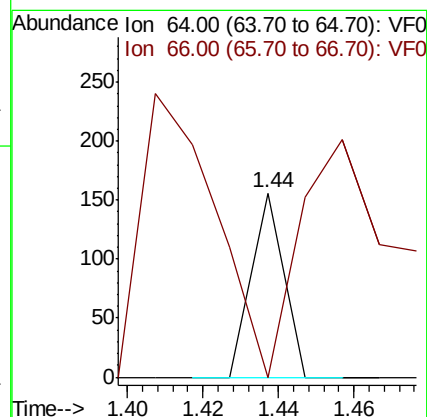
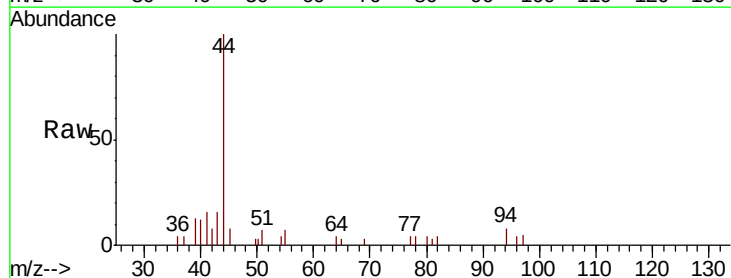
Acq: 17 Dec 2018 16:57

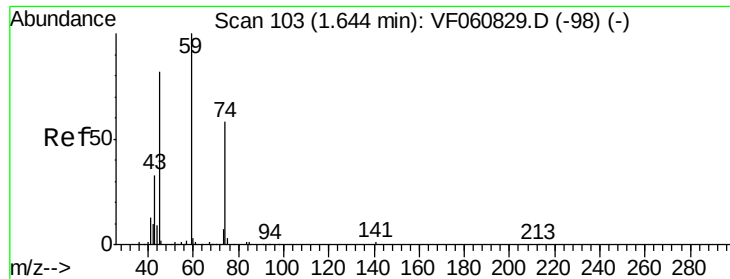
Tgt Ion: 64 Resp: 92

Ion Ratio Lower Upper

64 100

66 0.0 28.1 42.1#





#8

Diethyl Ether

Concen: 1.637 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

Instrument :

MSVOA_F

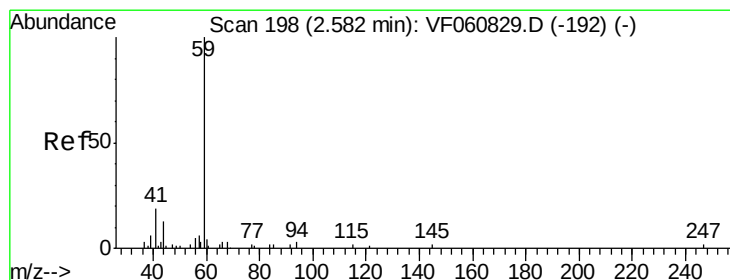
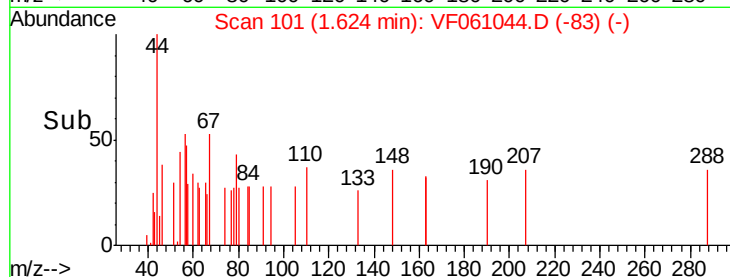
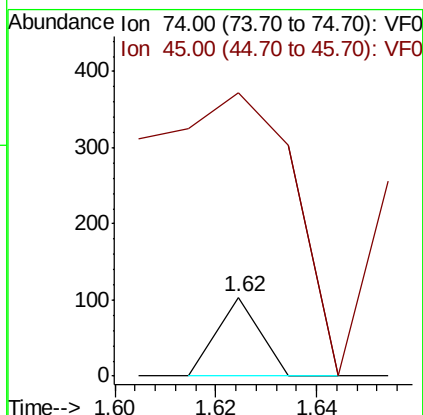
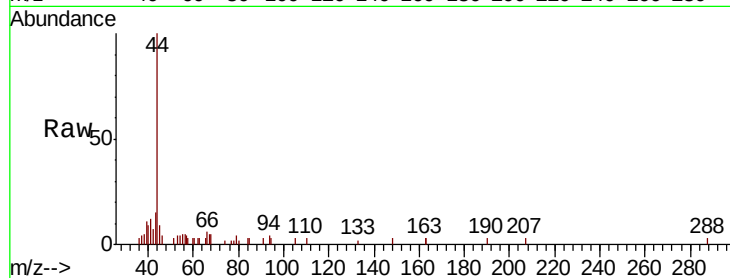
ClientSampled :

Tot Ion: 74 Resp: 62

Ion Ratio Lower Upper

74 100

45 357.7 71.0 212.8#



#11

Tert butyl alcohol

Concen: 18.522 ug/l

RT: 2.72 min Scan# 212

Delta R.T. 0.14 min

Lab File: VF061044.D

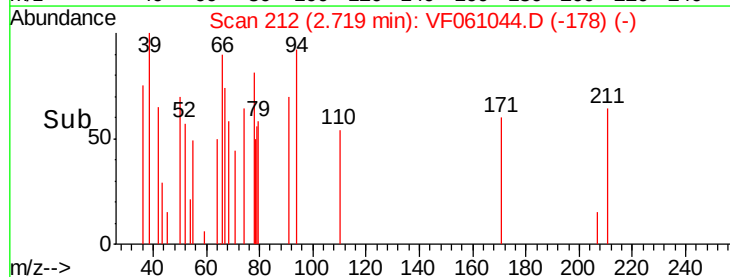
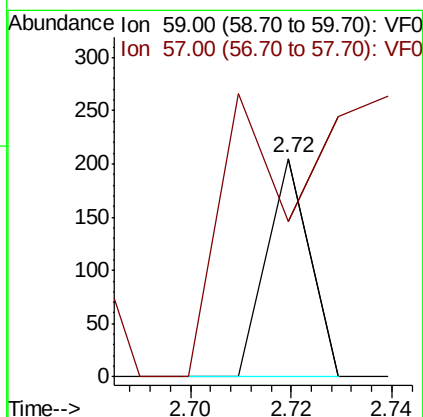
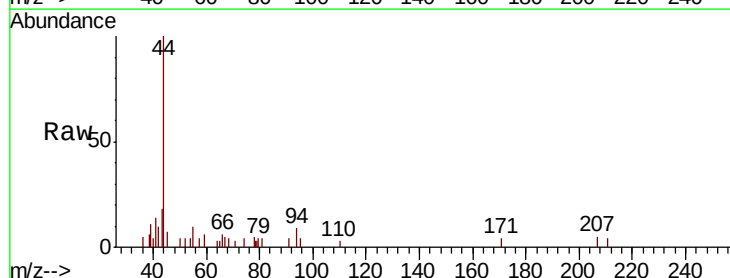
Acq: 17 Dec 2018 16:57

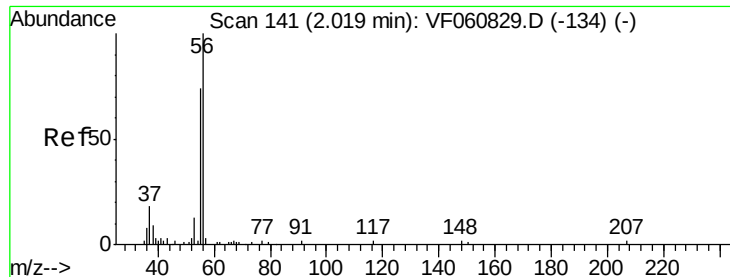
Tgt Ion: 59 Resp: 121

Ion Ratio Lower Upper

59 100

57 71.2 12.7 19.1#





#13

Acrolein

Concen: 99.199 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

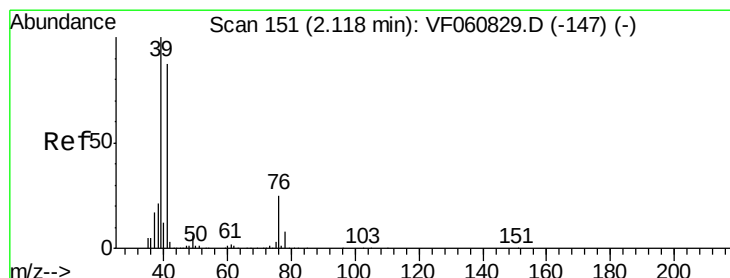
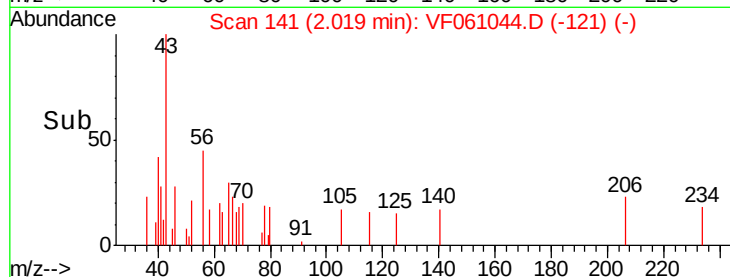
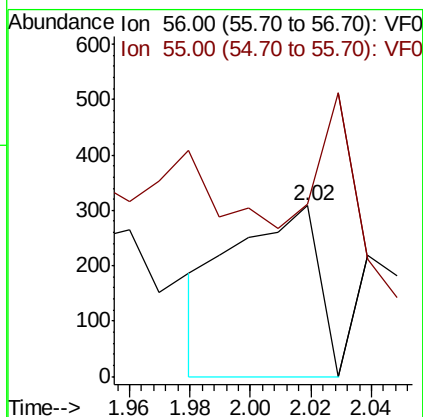
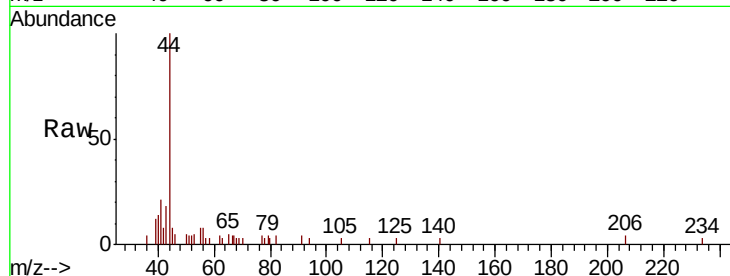
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 614

Ion Ratio Lower Upper

56 100

55 100.6 61.2 91.8#



#14

Allyl chloride

Concen: 8.584 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.03 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

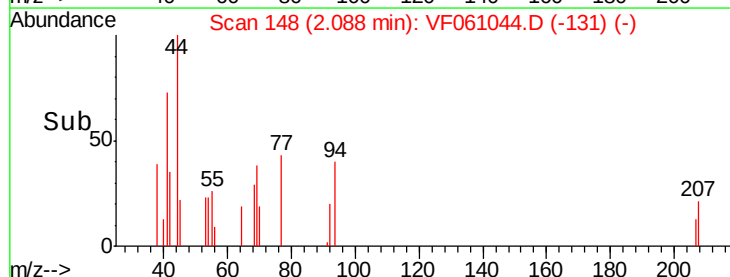
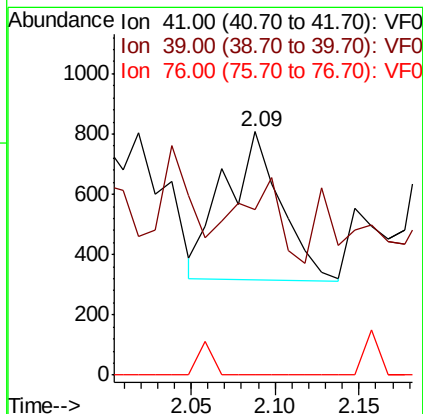
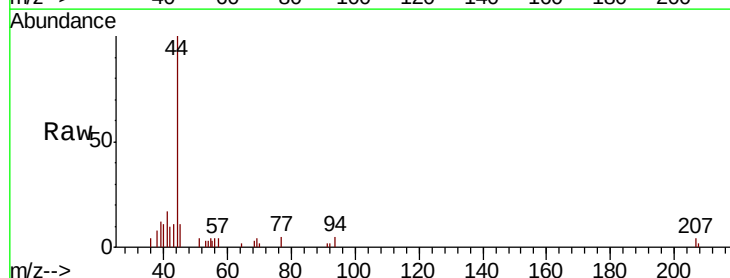
Tgt Ion: 41 Resp: 1146

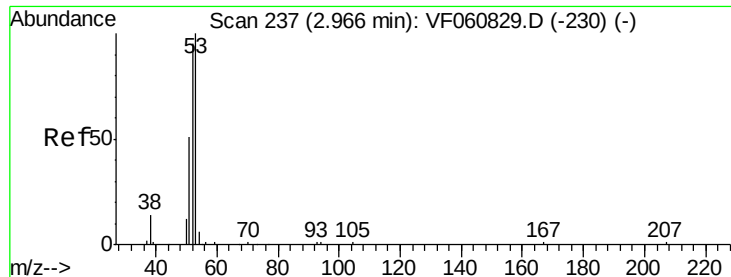
Ion Ratio Lower Upper

41 100

39 67.9 91.7 137.5#

76 0.0 23.5 35.3#





#15

Acrylonitrile

Concen: 36.666 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.03 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

Instrument :
MSVOA_F
ClientSampleId :

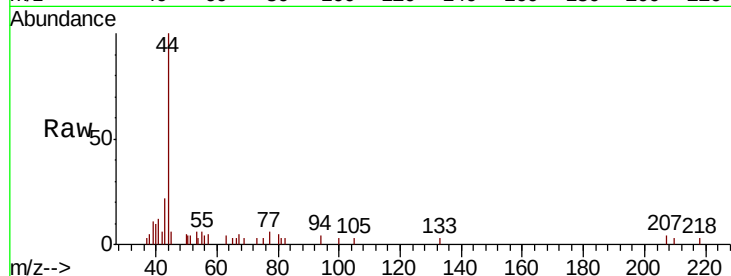
Tot Ion: 53 Resp: 537

Ion Ratio Lower Upper

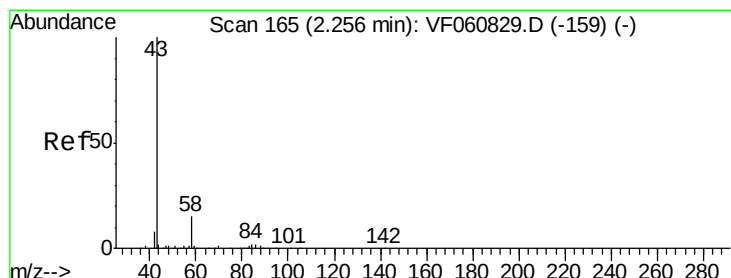
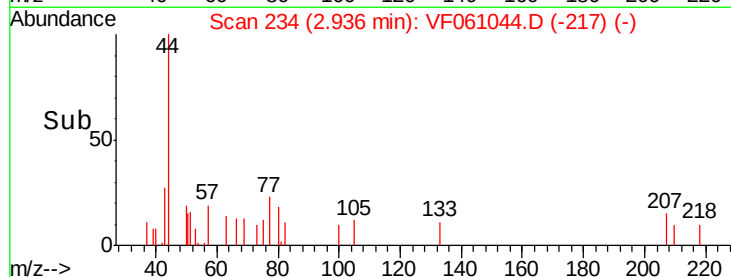
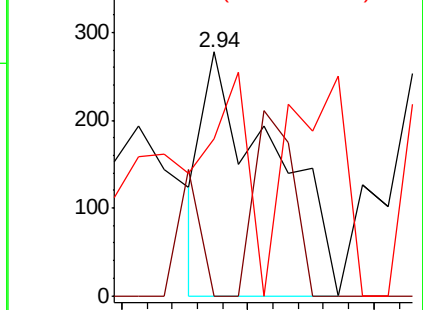
53 100

52 0.0 76.5 114.7#

51 64.4 40.7 61.1#



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: 24.534 ug/l

RT: 2.26 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF061044.D

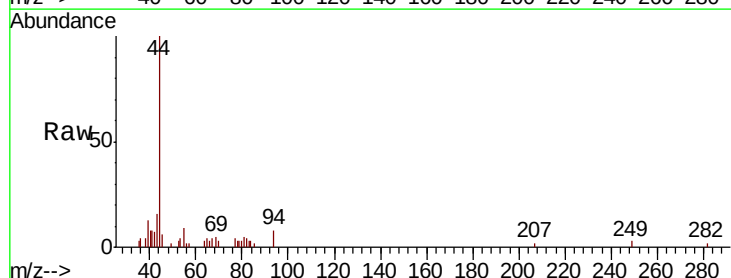
Acq: 17 Dec 2018 16:57

Tgt Ion: 43 Resp: 721

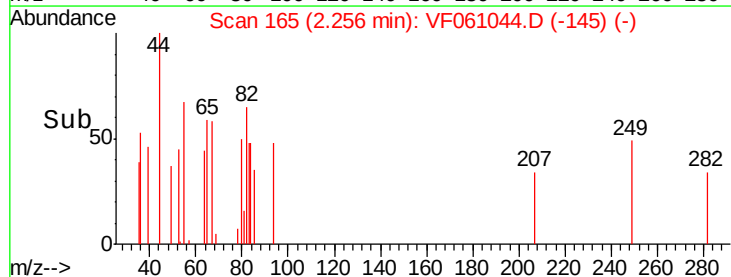
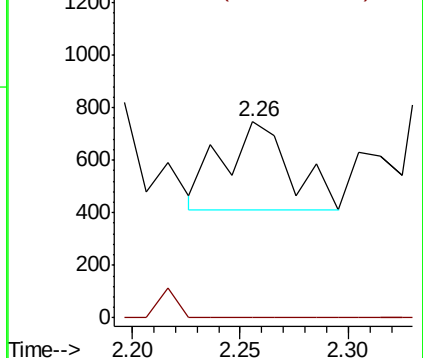
Ion Ratio Lower Upper

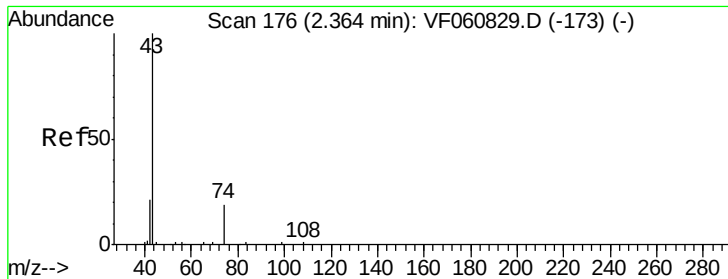
43 100

58 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

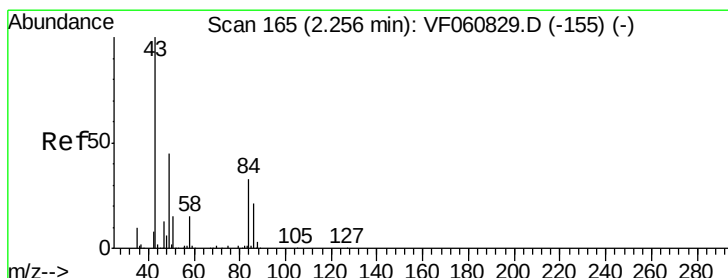
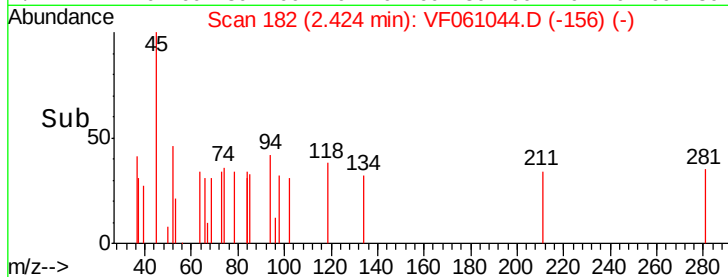
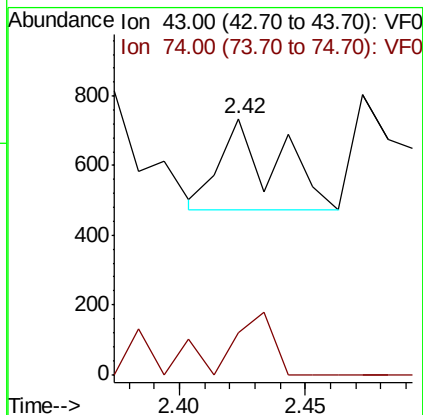
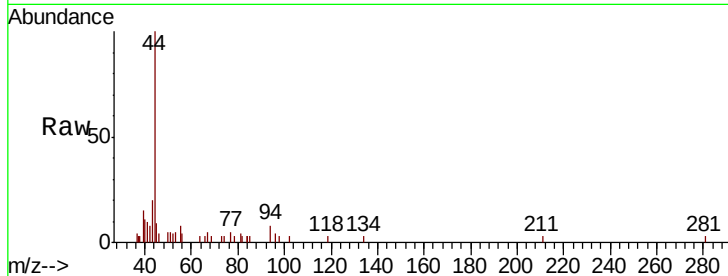




#18
Methyl Acetate
Concen: 6.851 ug/l
RT: 2.42 min Scan# 182
Delta R.T. 0.06 min
Lab File: VF061044.D
Acq: 17 Dec 2018 16:57

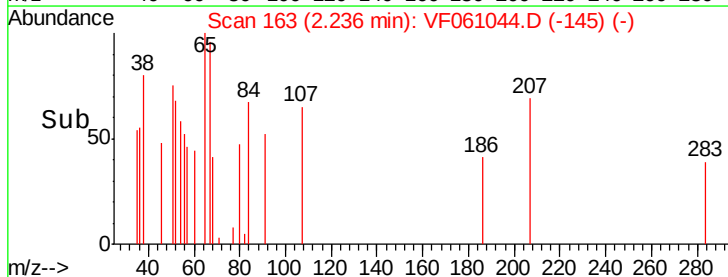
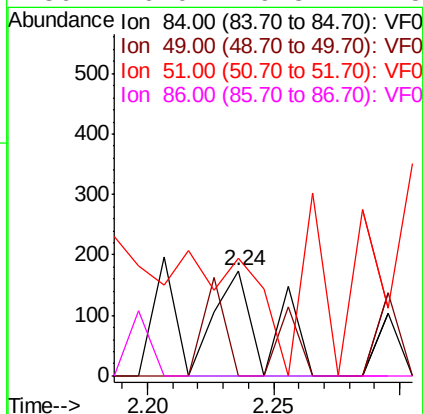
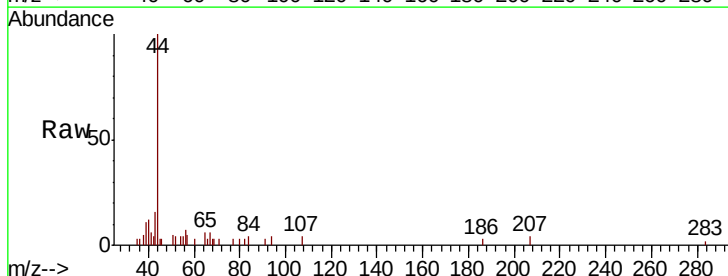
Instrument :
MSVOA_F
ClientSampled :

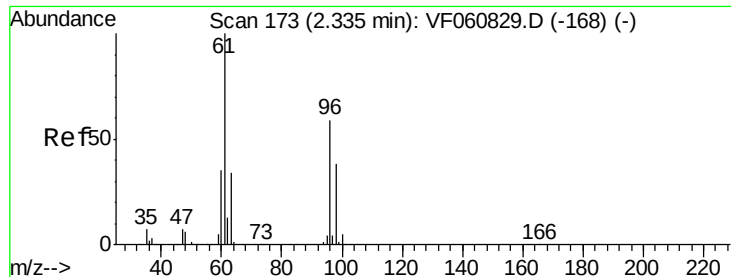
Tot Ion: 43 Resp: 408
Ion Ratio Lower Upper
43 100
74 16.1 13.3 19.9



#20
Methylene Chloride
Concen: 2.347 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF061044.D
Acq: 17 Dec 2018 16:57

Tgt Ion: 84 Resp: 253
Ion Ratio Lower Upper
84 100
49 0.0 111.3 166.9#
51 112.1 38.0 57.0#
86 0.0 49.8 74.8#





#21

trans-1,2-Dichloroethene

Concen: 1.288 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

Instrument :

MSVOA_F

ClientSampled :

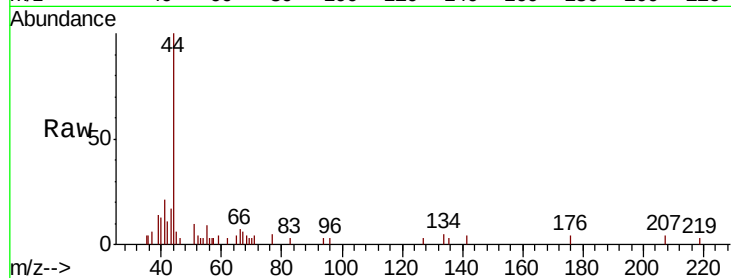
Tot Ion: 96 Resp: 133

Ion Ratio Lower Upper

96 100

61 0.0 134.5 201.7#

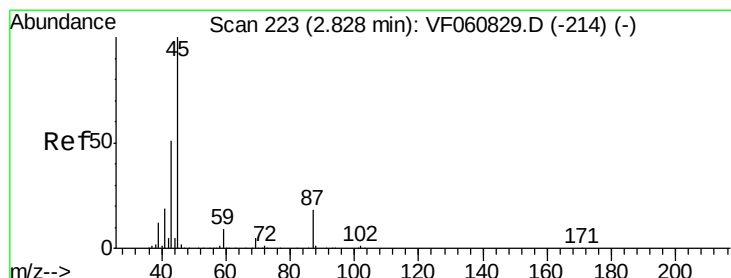
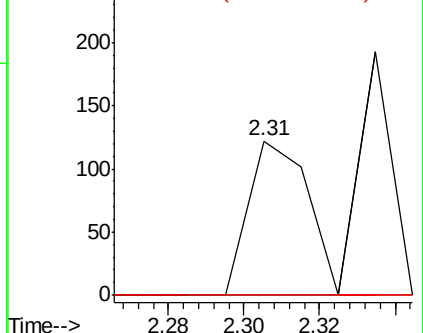
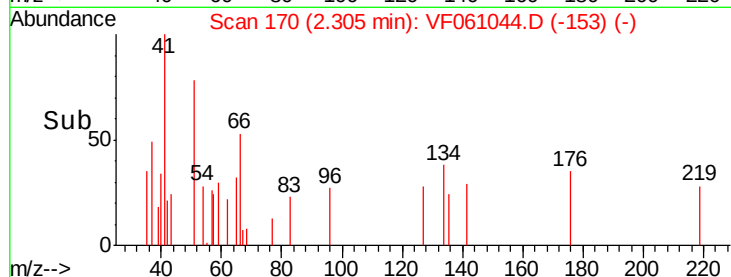
98 0.0 51.6 77.4#



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



#22

Diisopropyl ether

Concen: 1.414 ug/l

RT: 2.84 min Scan# 224

Delta R.T. 0.01 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

Tgt Ion: 45 Resp: 514

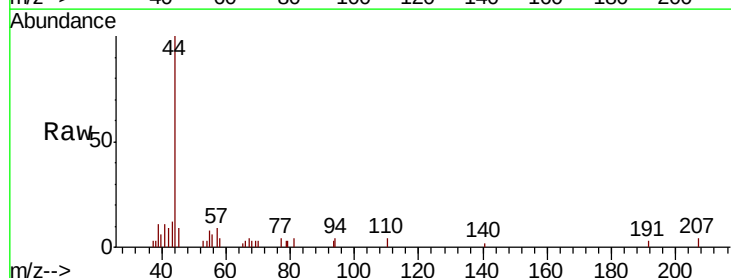
Ion Ratio Lower Upper

45 100

43 128.0 41.0 61.6#

87 0.0 14.6 22.0#

59 0.0 7.5 11.3#

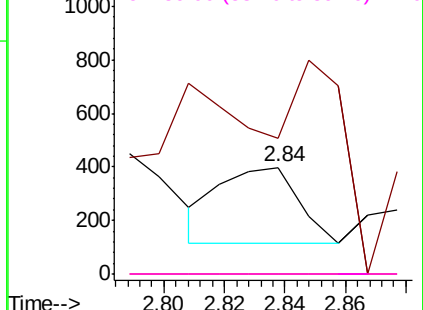
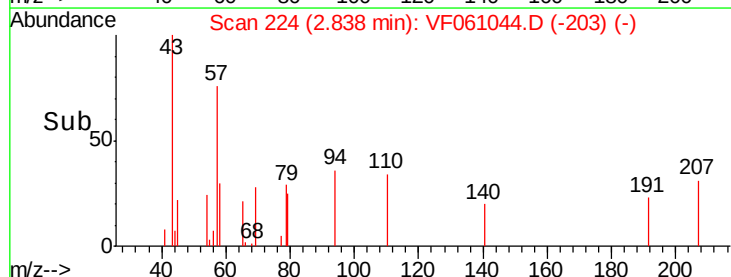


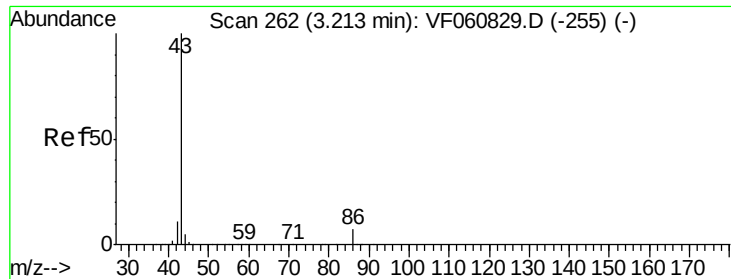
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 1.186 ug/l

RT: 3.23 min Scan# 264

Delta R.T. 0.02 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

Instrument :

MSVOA_F

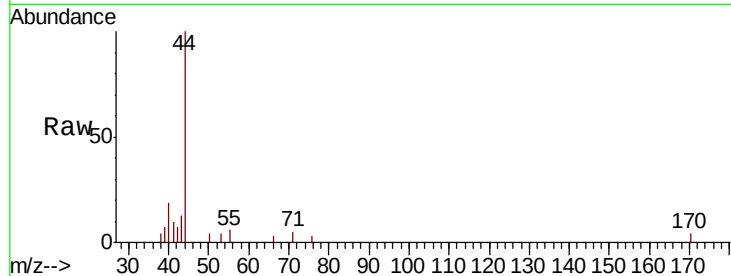
ClientSampleId :

Tot Ion: 43 Resp: 197

Ion Ratio Lower Upper

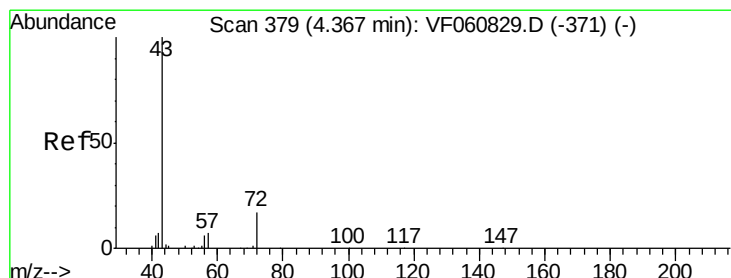
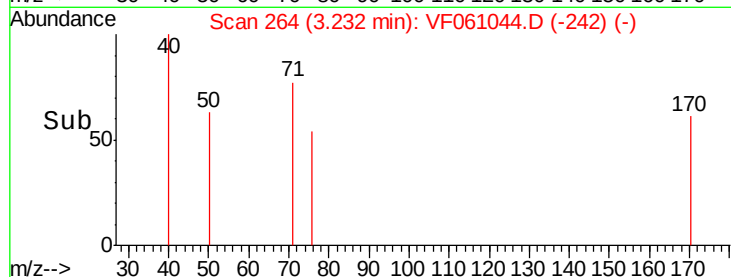
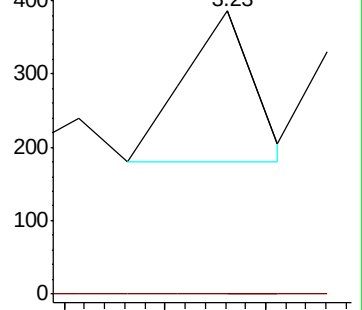
43 100

86 0.0 5.4 8.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 7.673 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF061044.D

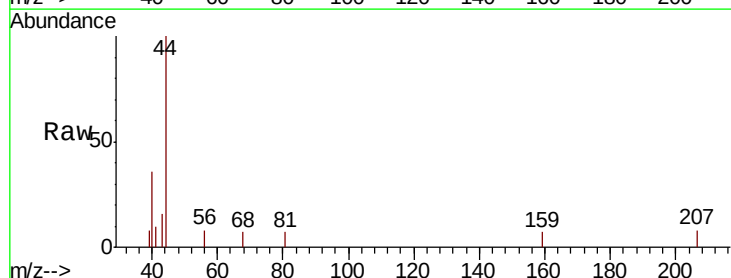
Acq: 17 Dec 2018 16:57

Tgt Ion: 43 Resp: 390

Ion Ratio Lower Upper

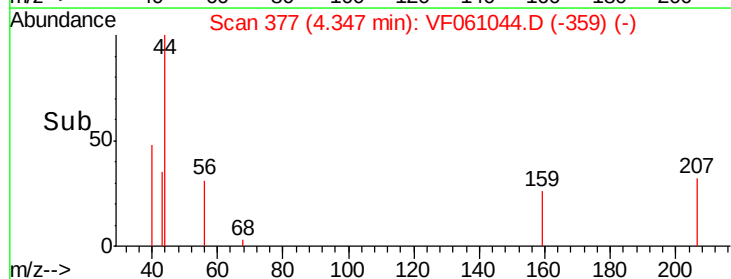
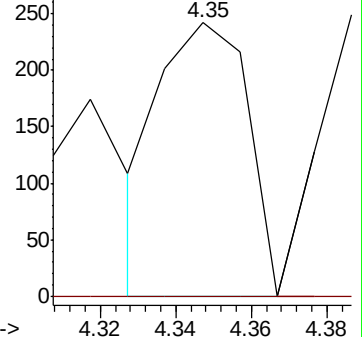
43 100

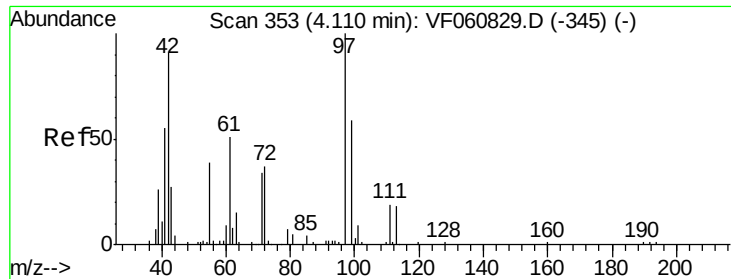
72 0.0 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 10.953 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

Instrument :

MSVOA_F

ClientSampleId :

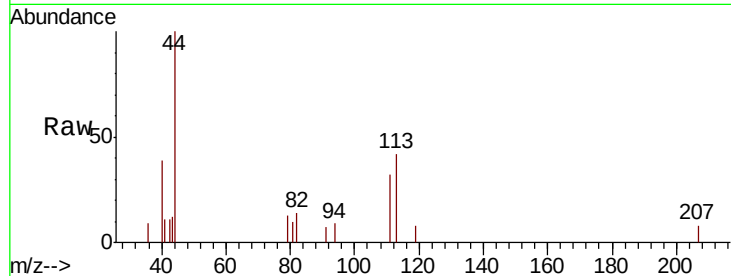
Tot Ion: 42 Resp: 236

Ion Ratio Lower Upper

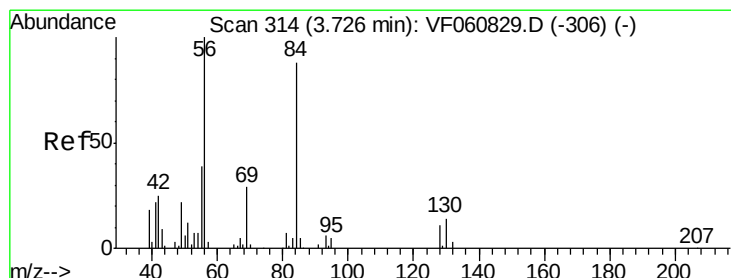
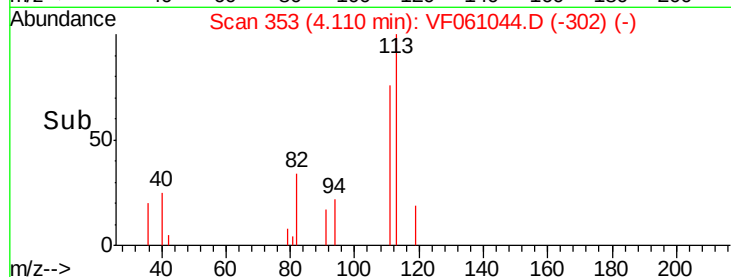
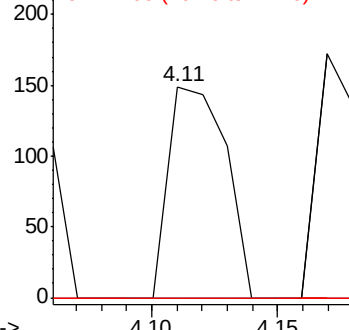
42 100

72 0.0 31.9 47.9#

71 0.0 28.7 43.1#



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



#31

Cyclohexane

Concen: 2.968 ug/l

RT: 3.73 min Scan# 314

Delta R.T. -0.00 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

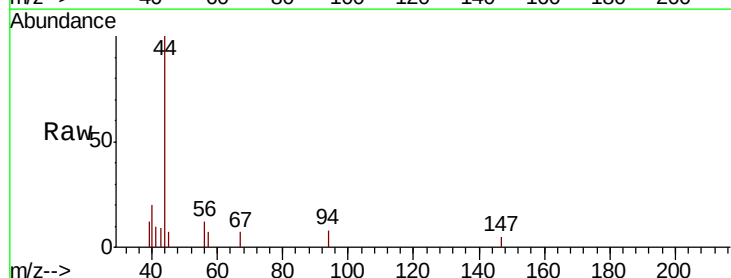
Tgt Ion: 56 Resp: 666

Ion Ratio Lower Upper

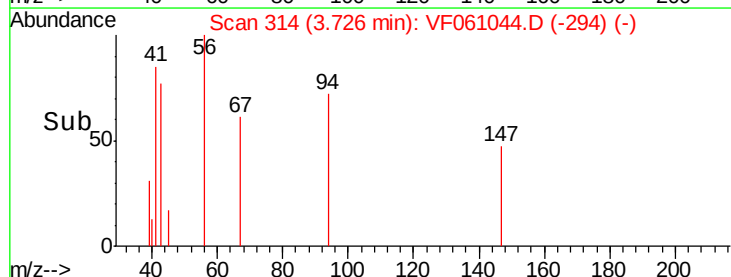
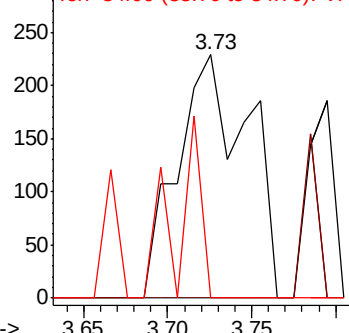
56 100

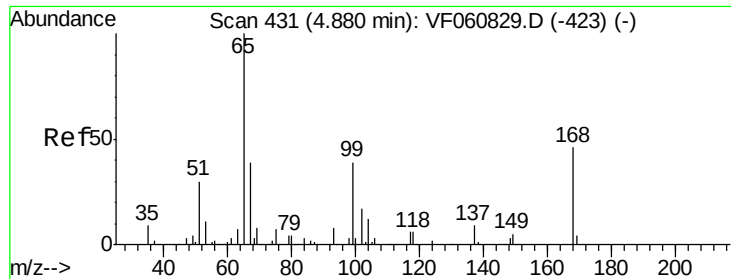
69 0.0 23.0 34.4#

84 0.0 70.4 105.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

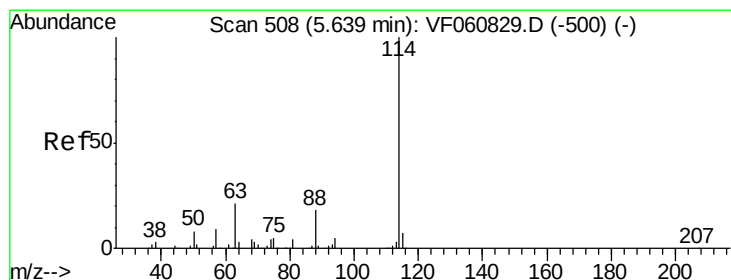
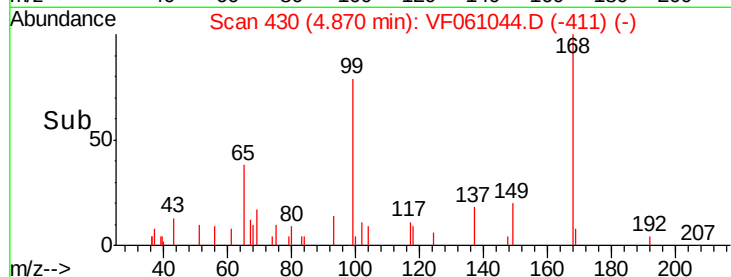
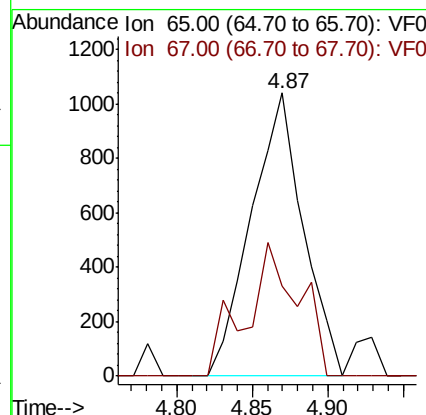
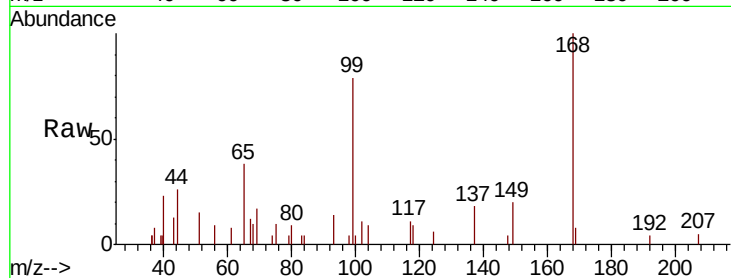




#33
 1,2-Dichloroethane-d4
 Concen: 15.662 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VF061044.D
 Acq: 17 Dec 2018 16:57

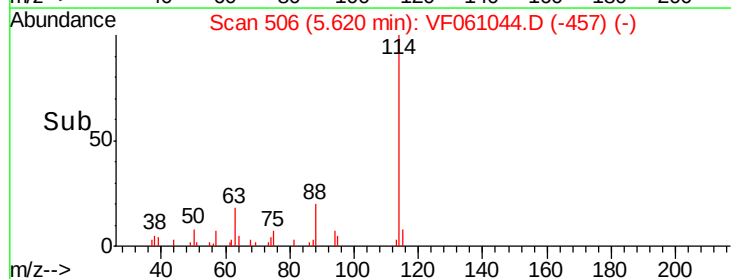
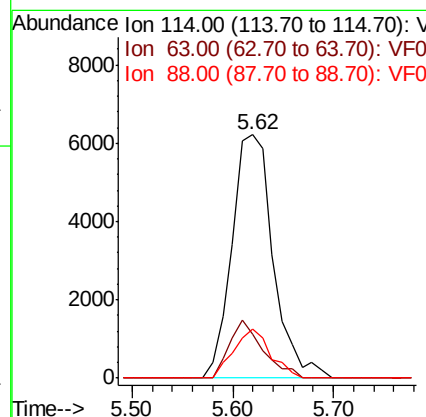
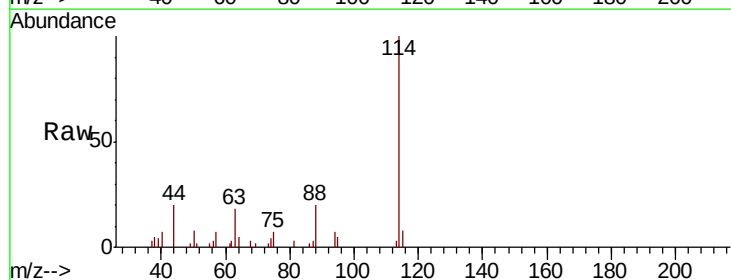
Instrument :
 MSVOA_F
 ClientSampled :

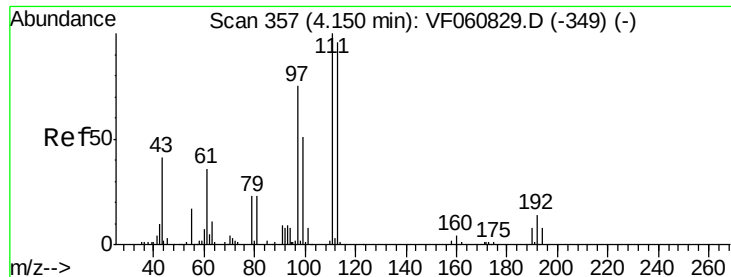
Tot Ion: 65 Resp: 2496
 Ion Ratio Lower Upper
 65 100
 67 32.1 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. -0.02 min
 Lab File: VF061044.D
 Acq: 17 Dec 2018 16:57

Tgt Ion: 114 Resp: 17671
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 41.6
 88 20.3 0.0 36.6





#35

Dibromofluoromethane

Concen: 27.648 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

Instrument :
MSVOA_F
ClientSampleId :

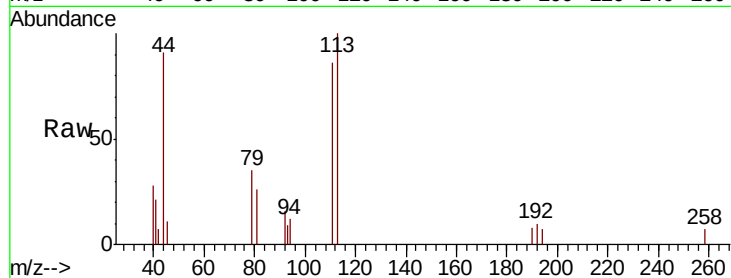
Tot Ion:113 Resp: 3876

Ion Ratio Lower Upper

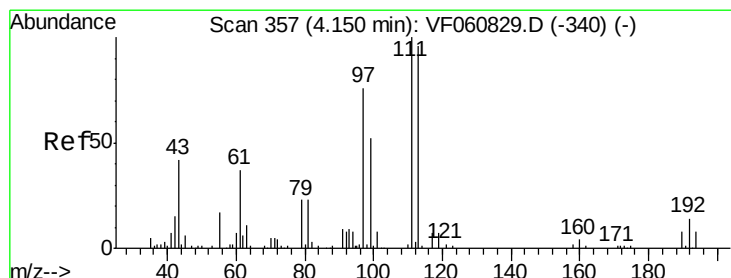
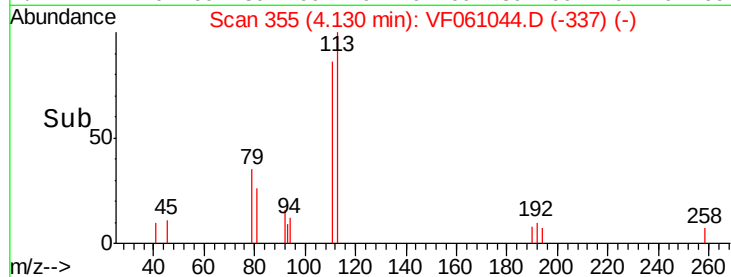
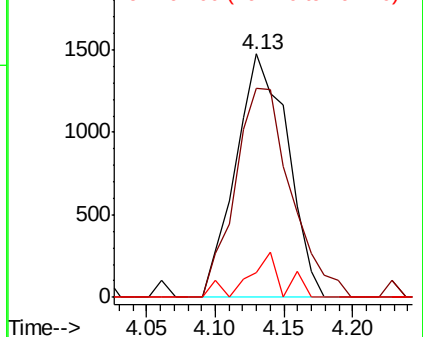
113 100

111 85.7 83.0 124.6

192 10.3 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



#37

Ethyl Acetate

Concen: 4.156 ug/l

RT: 4.16 min Scan# 358

Delta R.T. 0.01 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

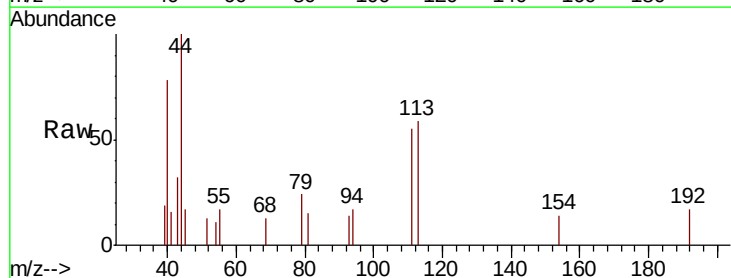
Tgt Ion: 43 Resp: 331

Ion Ratio Lower Upper

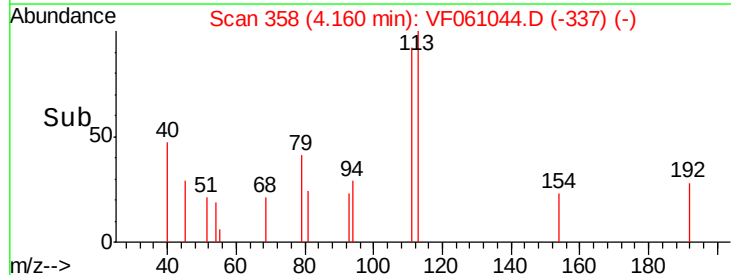
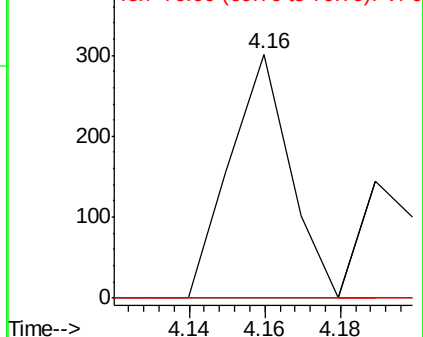
43 100

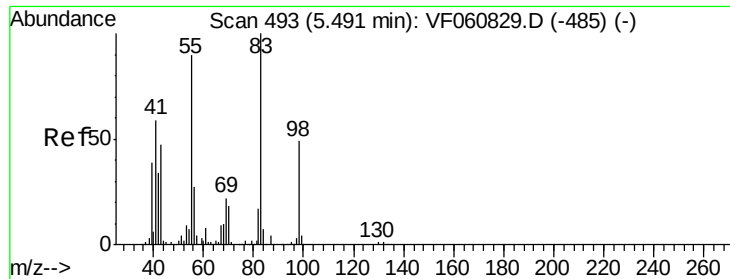
61 0.0 68.6 103.0#

70 0.0 9.0 13.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

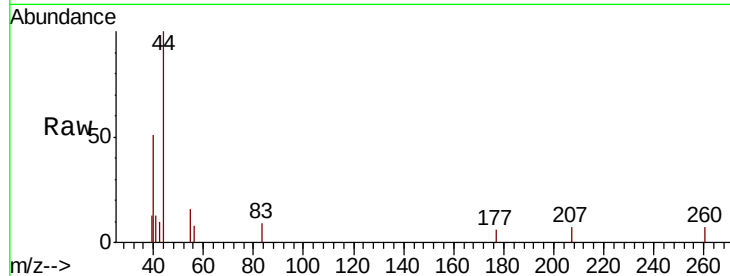




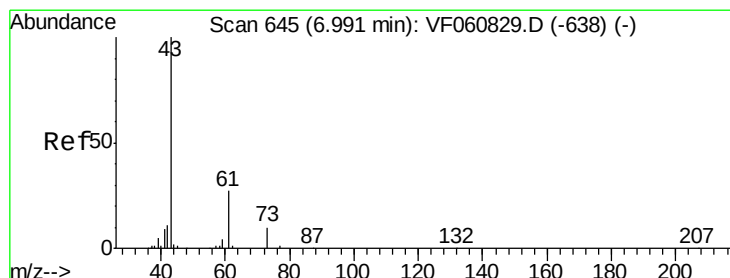
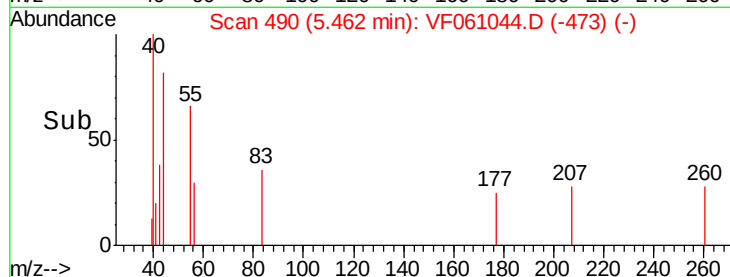
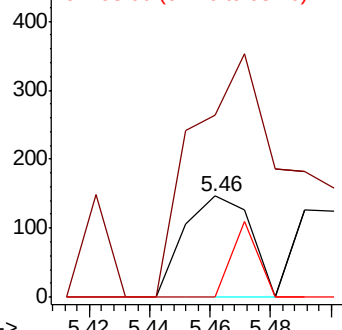
#39
Methylcyclohexane
Concen: 1.091 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.03 min
Lab File: VF061044.D
Acq: 17 Dec 2018 16:57

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 83 Resp: 224
Ion Ratio Lower Upper
83 100
55 180.8 72.1 108.1#
98 0.0 39.1 58.7#

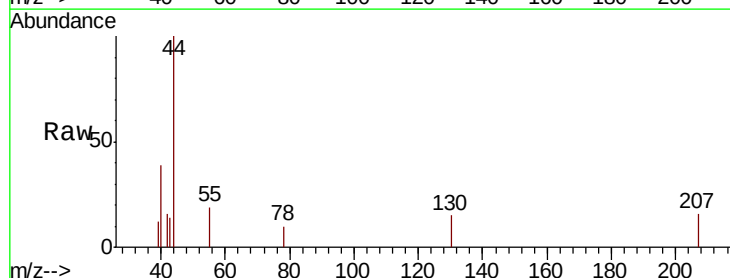


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

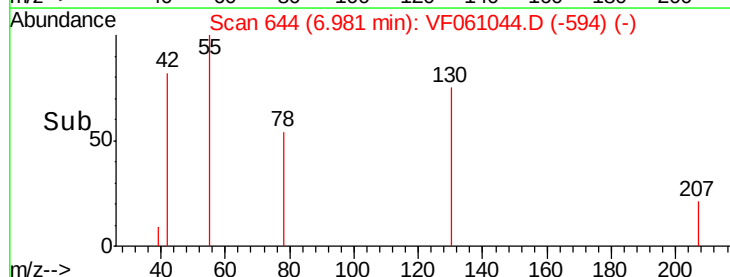
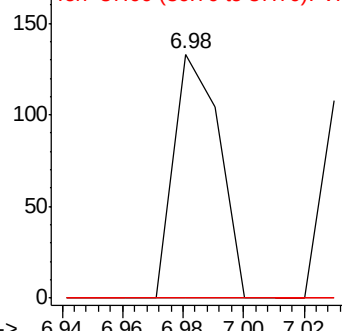


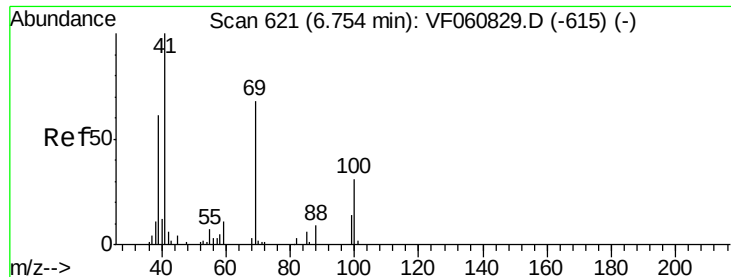
#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.98 min Scan# 644
Delta R.T. -0.01 min
Lab File: VF061044.D
Acq: 17 Dec 2018 16:57

Tgt Ion: 43 Resp: 140
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.0#
87 0.0 0.2 0.4#



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

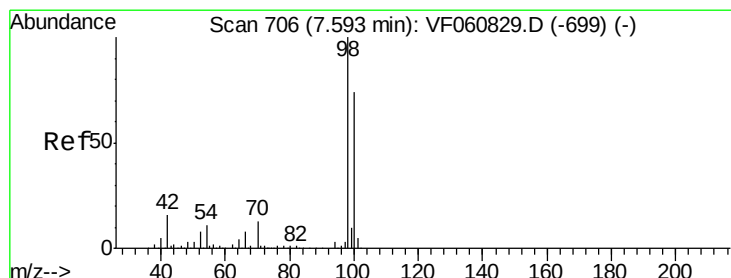
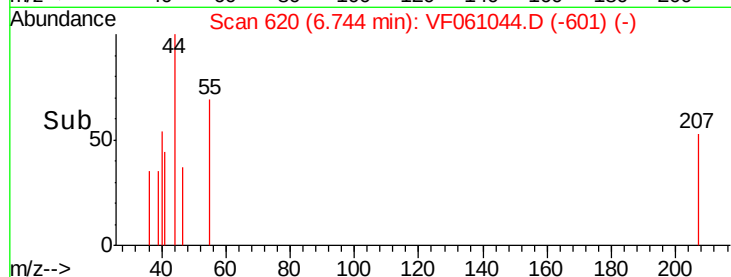
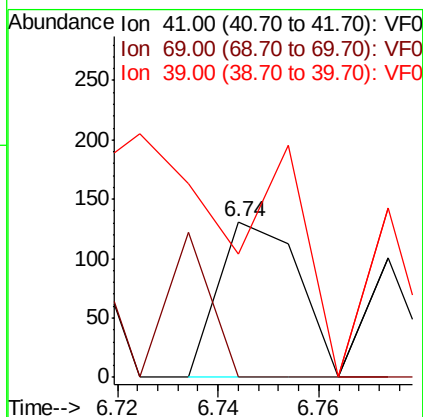
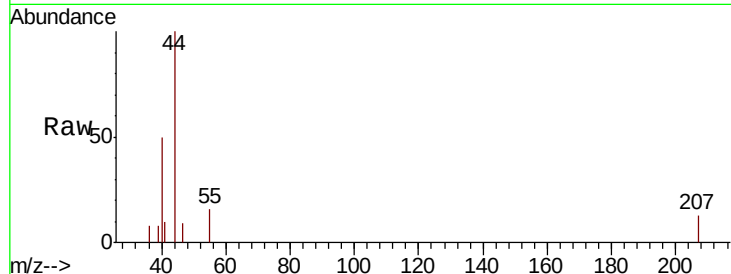




#48
Methvl methacrylate
Concen: 1.997 ug/l
RT: 6.74 min Scan# 620
Delta R.T. -0.01 min
Lab File: VF061044.D
Acq: 17 Dec 2018 16:57

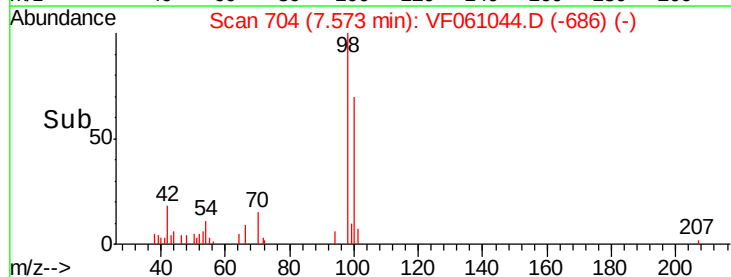
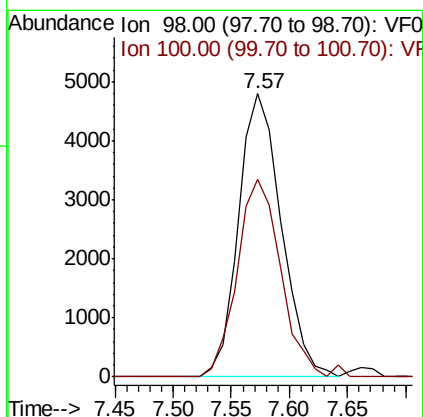
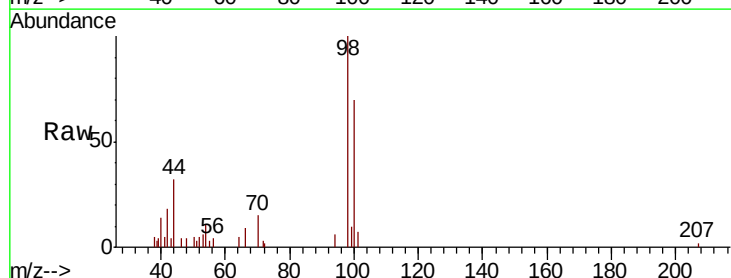
Instrument :
MSVOA_F
ClientSampleId :

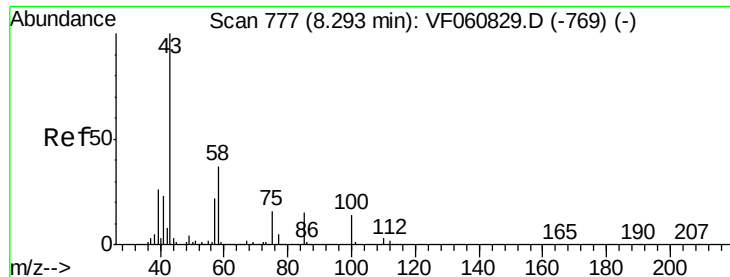
Tot Ion: 41 Resp: 144
Ion Ratio Lower Upper
41 100
69 0.0 53.9 80.9#
39 79.4 49.0 73.6#



#50
Toluene-d8
Concen: 29.584 ug/l
RT: 7.57 min Scan# 704
Delta R.T. -0.02 min
Lab File: VF061044.D
Acq: 17 Dec 2018 16:57

Tgt Ion: 98 Resp: 12217
Ion Ratio Lower Upper
98 100
100 69.8 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 9.639 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

Instrument :

MSVOA_F

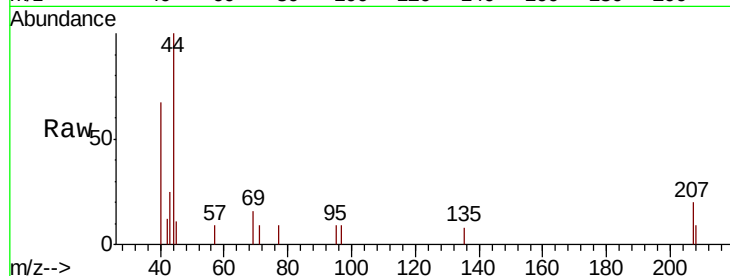
ClientSampleId :

Tot Ion: 43 Resp: 708

Ion Ratio Lower Upper

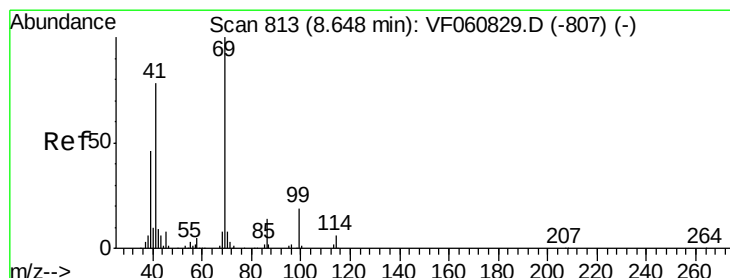
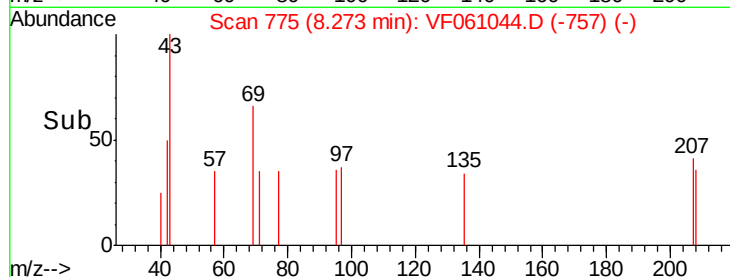
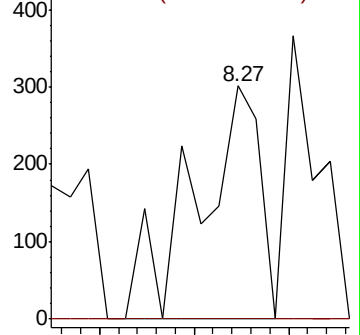
43 100

58 0.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#56

Ethyl methacrylate

Concen: 4.601 ug/l

RT: 8.65 min Scan# 813

Delta R.T. -0.00 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

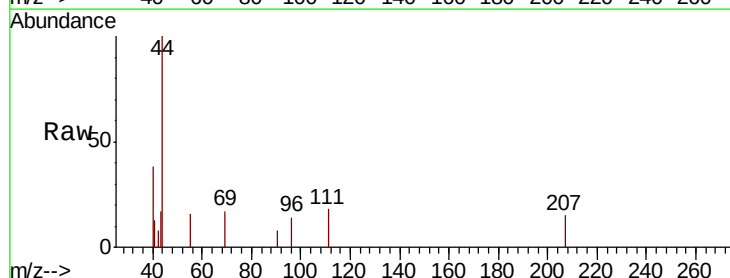
Tgt Ion: 69 Resp: 453

Ion Ratio Lower Upper

69 100

41 80.3 62.6 94.0

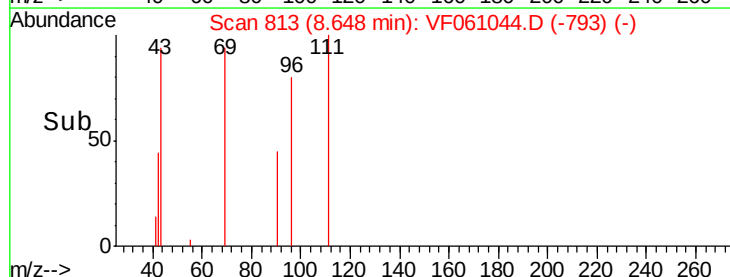
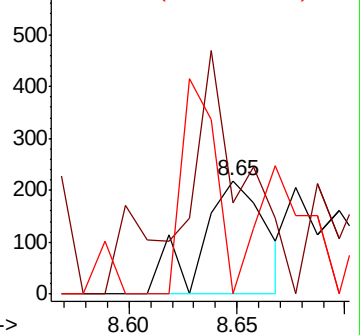
39 0.0 37.8 56.6#

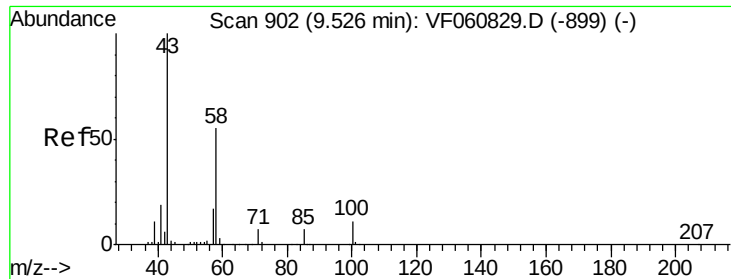


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

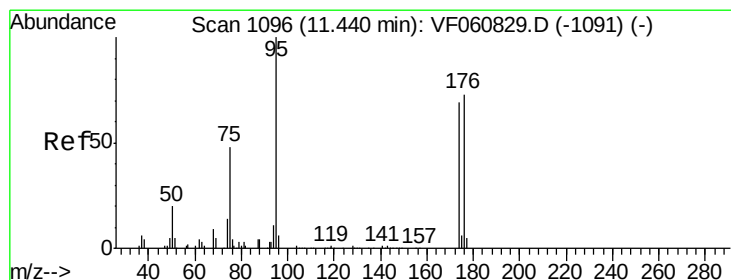
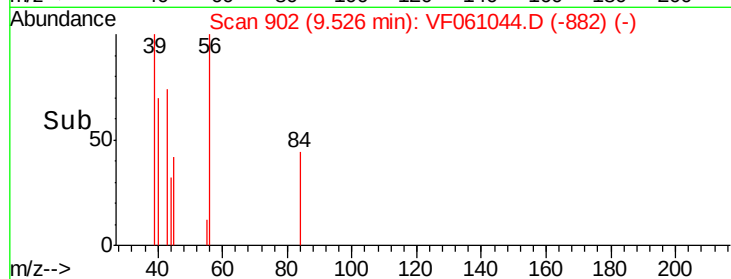
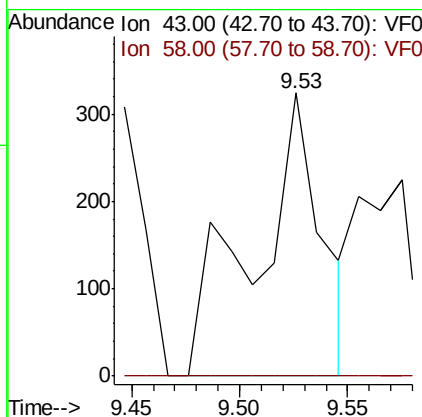
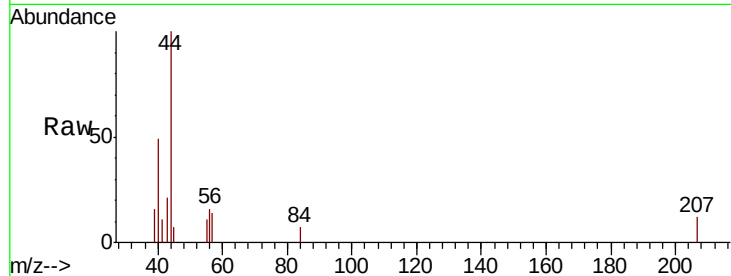




#59
2-Hexanone
Concen: 13.449 ug/l
RT: 9.53 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF061044.D
Acq: 17 Dec 2018 16:57

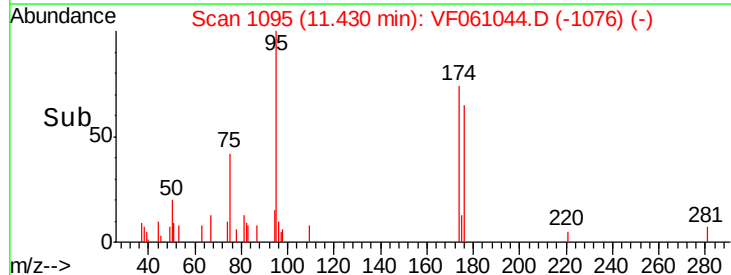
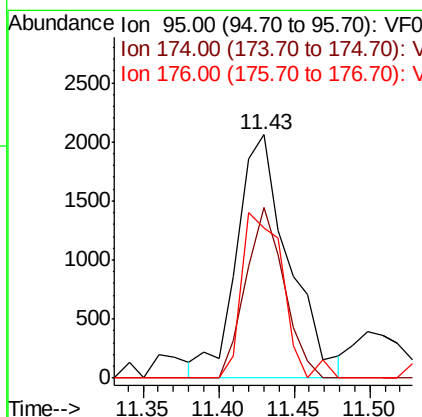
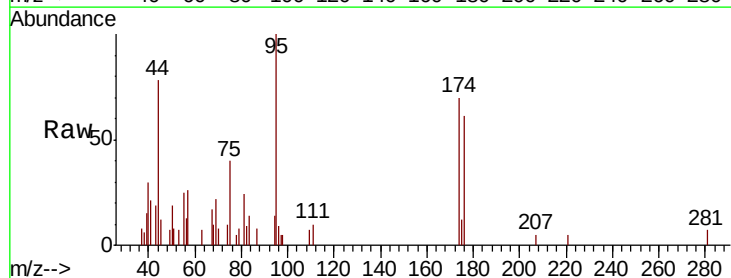
Instrument :
MSVOA_F
ClientSampleId :

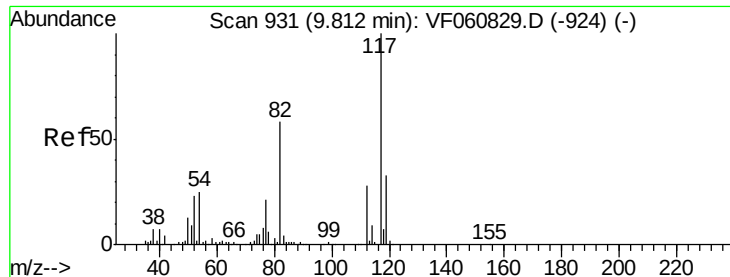
Tot Ion: 43 Resp: 693
Ion Ratio Lower Upper
43 100
58 0.0 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 26.231 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VF061044.D
Acq: 17 Dec 2018 16:57

Tgt Ion: 95 Resp: 4923
Ion Ratio Lower Upper
95 100
174 70.0 0.0 138.2
176 61.5 0.0 146.2

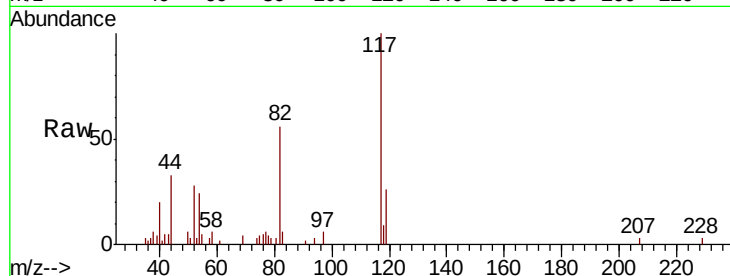




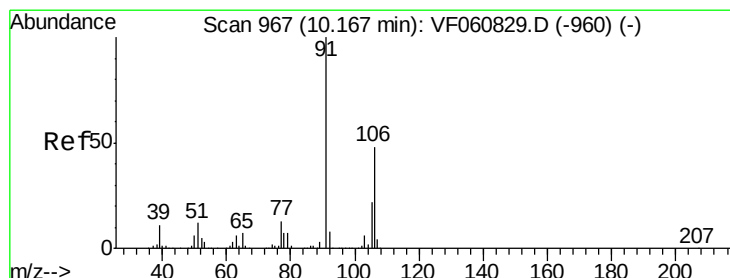
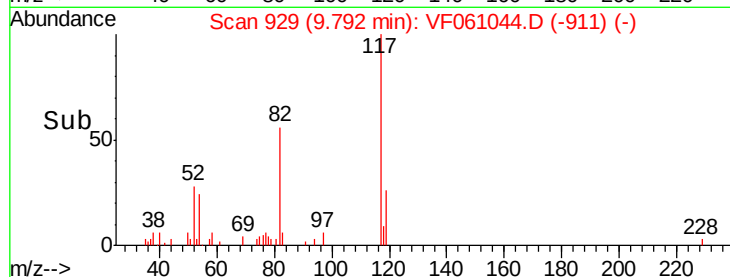
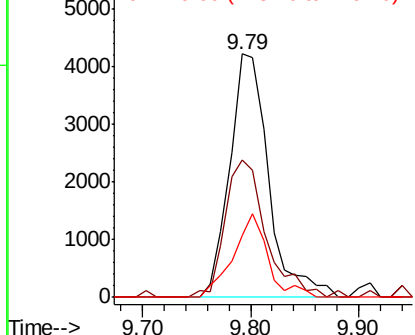
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF061044.D
Acq: 17 Dec 2018 16:57

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 10625
Ion Ratio Lower Upper
117 100
82 56.2 46.6 69.8
119 25.6 26.4 39.6#

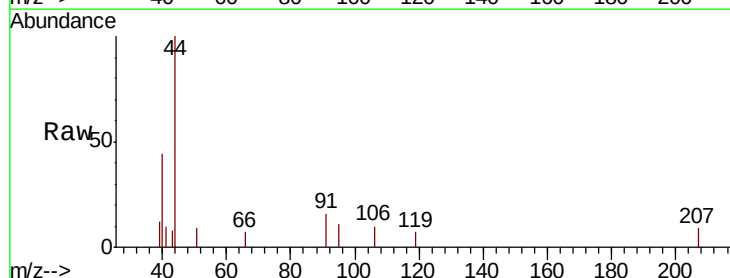


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

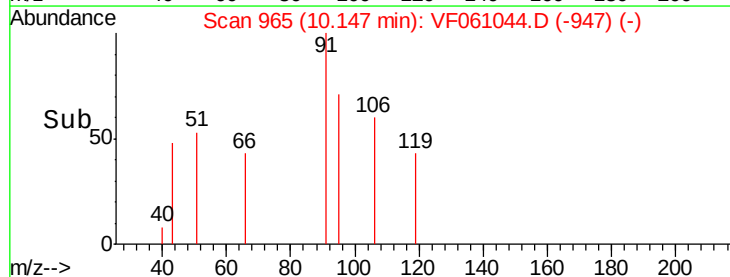
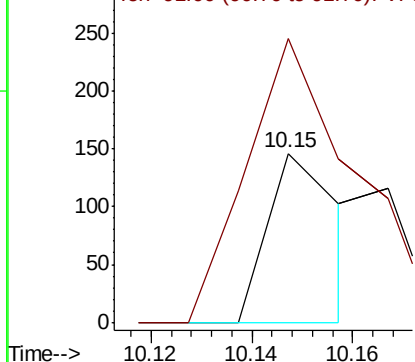


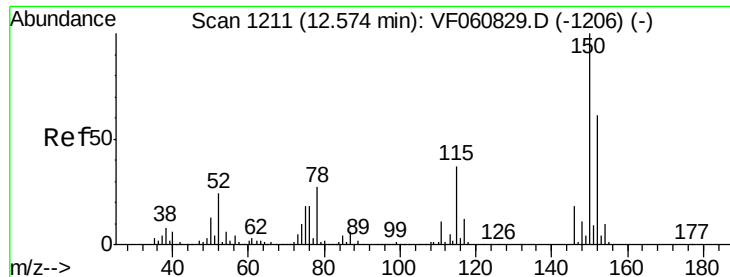
#68
m/p-Xylenes
Concen: 1.062 ug/l
RT: 10.15 min Scan# 965
Delta R.T. -0.02 min
Lab File: VF061044.D
Acq: 17 Dec 2018 16:57

Tgt Ion:106 Resp: 147
Ion Ratio Lower Upper
106 100
91 167.8 166.7 250.1



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

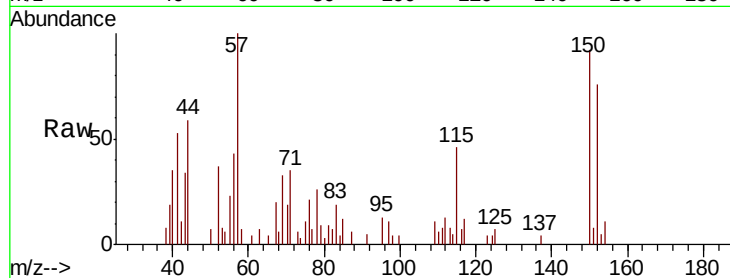




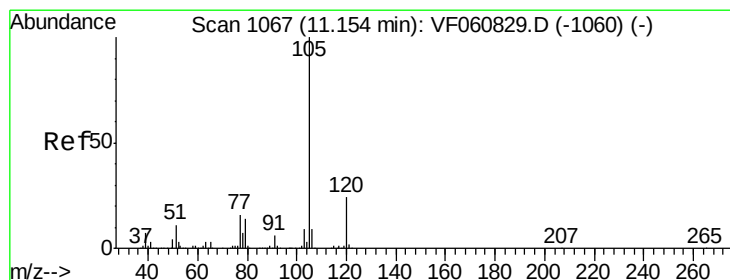
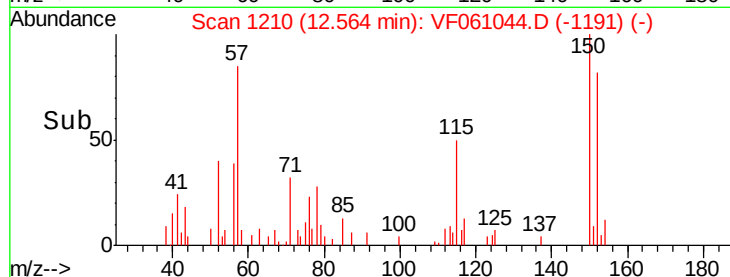
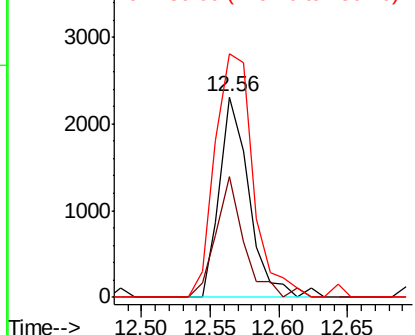
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF061044.D
 Acq: 17 Dec 2018 16:57

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:152 Resp: 3471
 Ion Ratio Lower Upper
 152 100
 115 60.2 30.1 90.5
 150 121.5 0.0 327.6

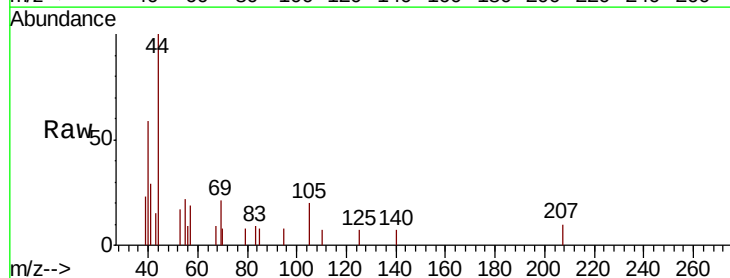


Abundance Ion 152.00 (151.70 to 152.70): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 150.00 (149.70 to 150.70): V

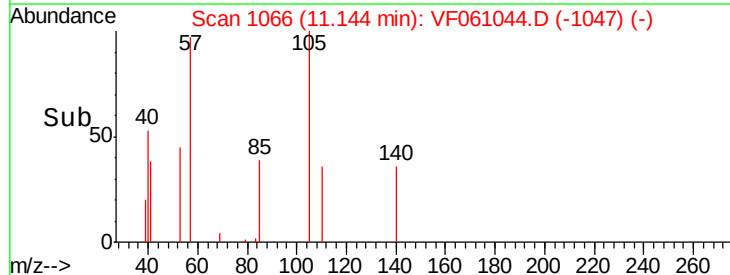
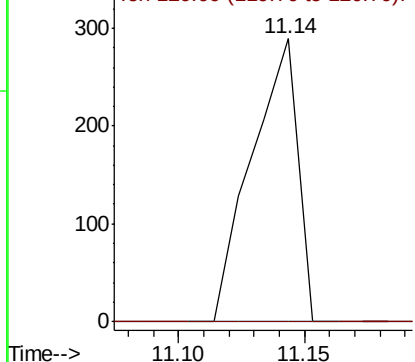


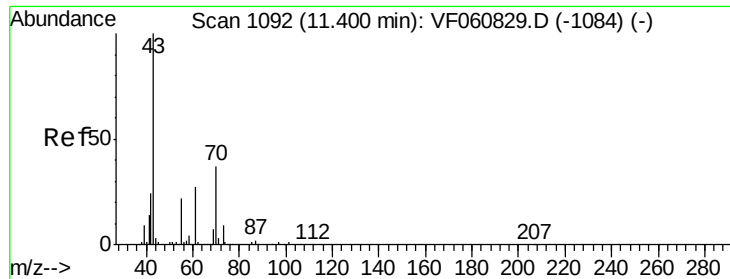
#73
 Isopropylbenzene
 Concen: 1.345 ug/l
 RT: 11.14 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VF061044.D
 Acq: 17 Dec 2018 16:57

Tgt Ion:105 Resp: 369
 Ion Ratio Lower Upper
 105 100
 120 0.0 12.2 36.4#



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 4.957 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 314

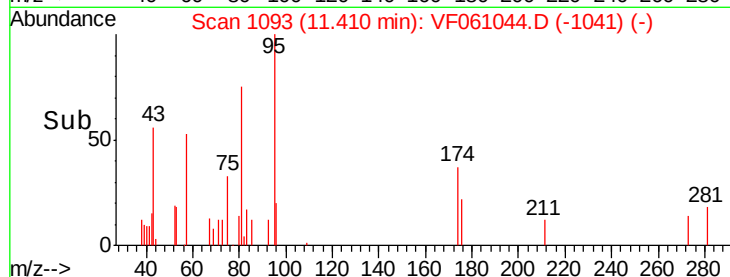
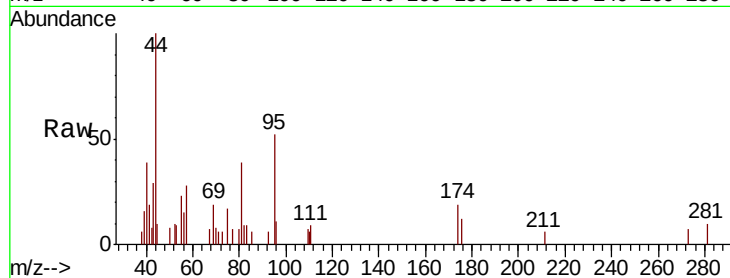
Ion Ratio Lower Upper

43 100

70 25.7 29.6 44.4#

55 77.0 17.2 25.8#

61 0.0 21.8 32.6#

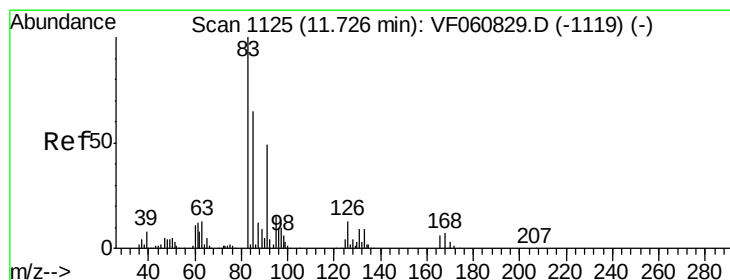
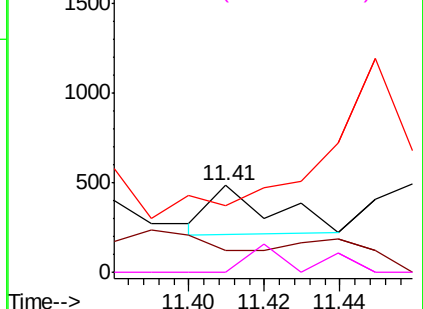


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 13.047 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

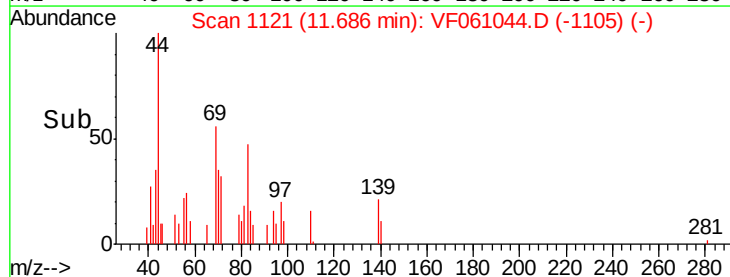
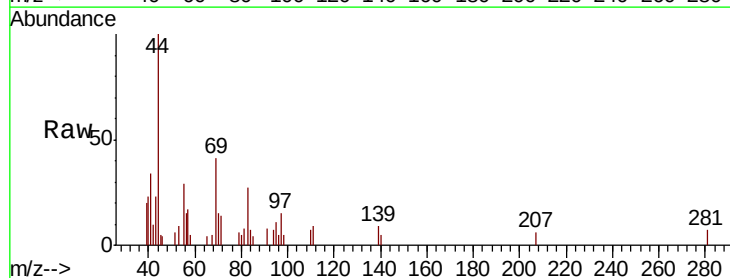
Tgt Ion: 83 Resp: 589

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

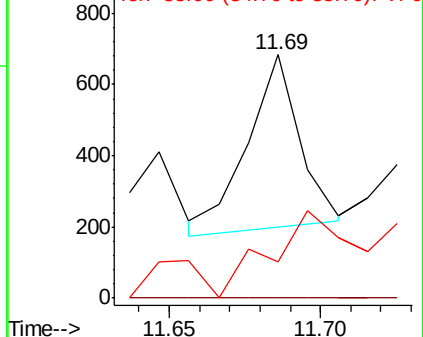
85 14.8 32.6 97.8#

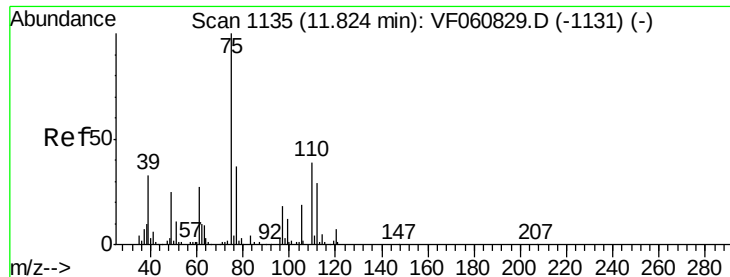


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#76

1,2,3-Trichloropropane

Concen: 4.206 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. 0.05 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

Instrument :

MSVOA_F

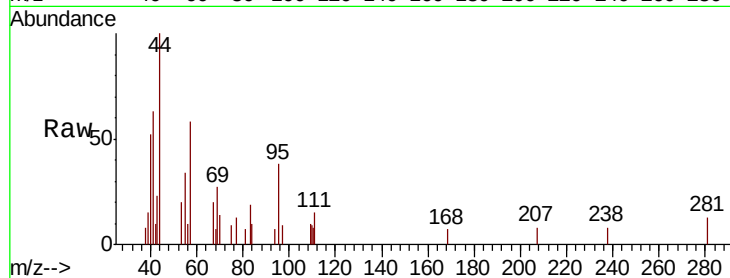
ClientSampleId :

Tot Ion: 75 Resp: 138

Ion Ratio Lower Upper

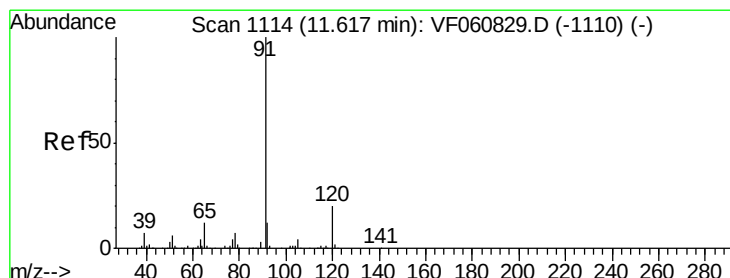
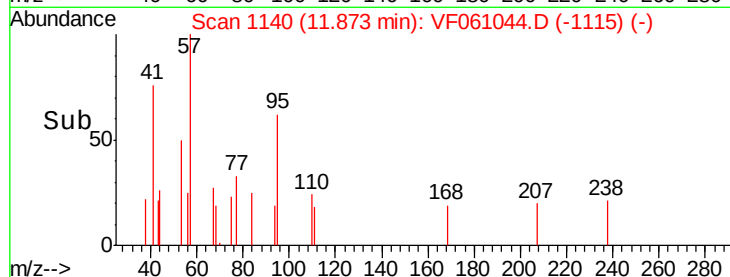
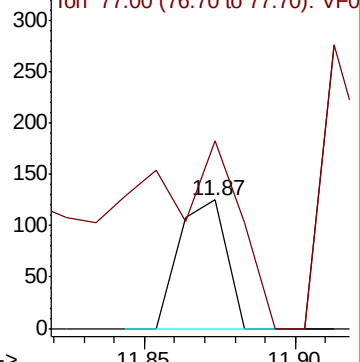
75 100

77 146.4 18.4 55.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#78

n-propylbenzene

Concen: 4.402 ug/l

RT: 11.62 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF061044.D

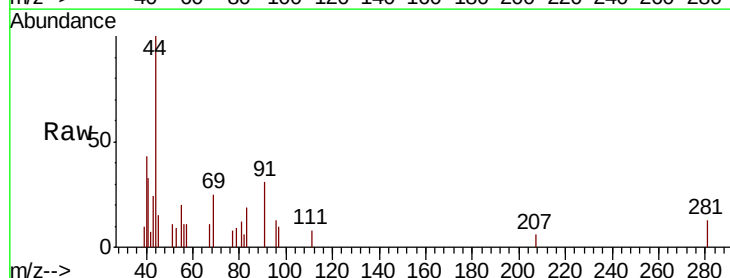
Acq: 17 Dec 2018 16:57

Tgt Ion: 91 Resp: 1414

Ion Ratio Lower Upper

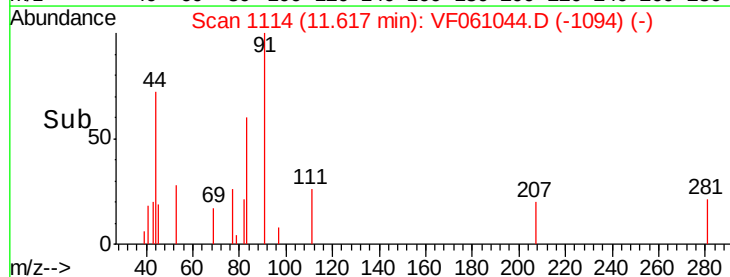
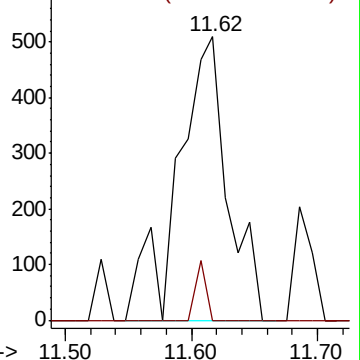
91 100

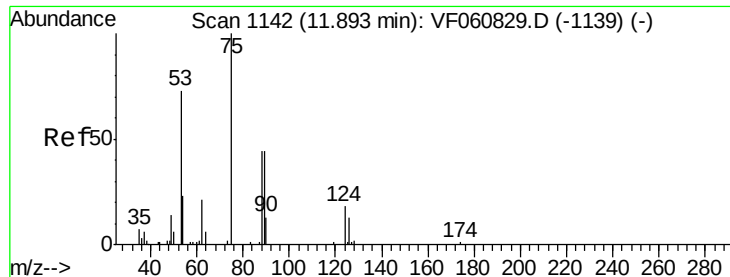
120 0.0 10.3 30.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 8.584 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

Instrument :

MSVOA_F

ClientSampleId :

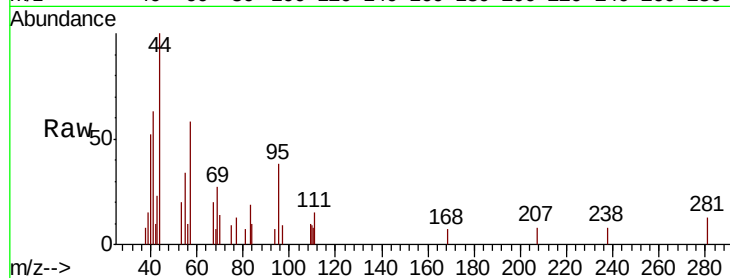
Tot Ion: 75 Resp: 138

Ion Ratio Lower Upper

75 100

53 223.2 65.9 98.9#

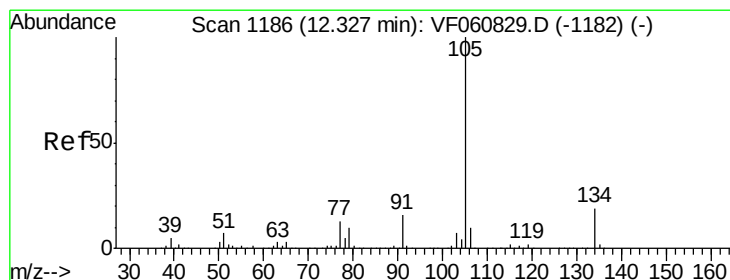
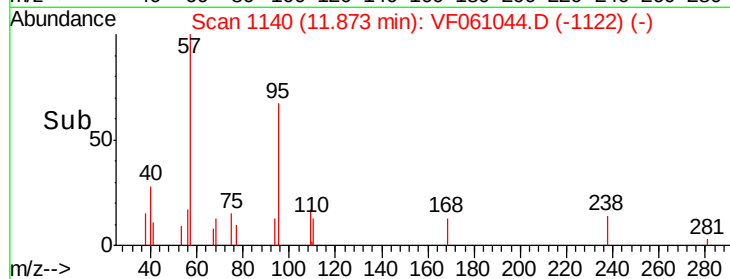
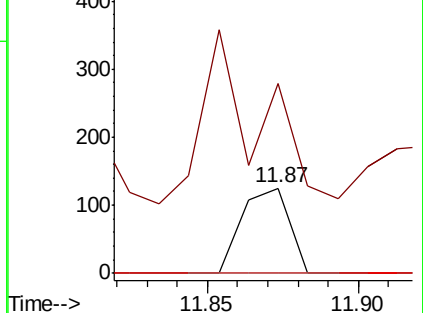
89 0.0 38.8 58.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#85

sec-Butylbenzene

Concen: 2.370 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF061044.D

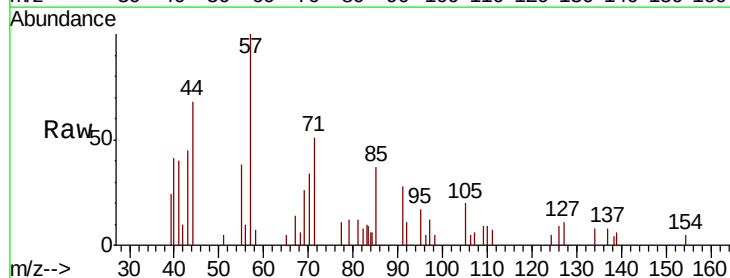
Acq: 17 Dec 2018 16:57

Tgt Ion: 105 Resp: 736

Ion Ratio Lower Upper

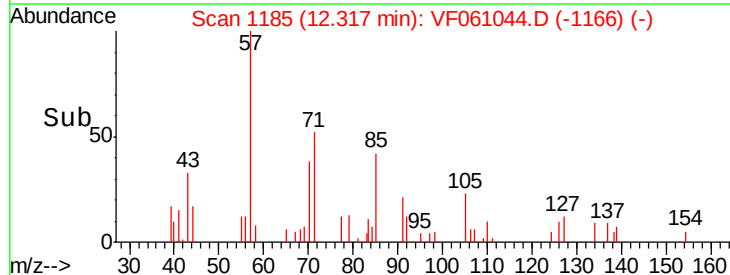
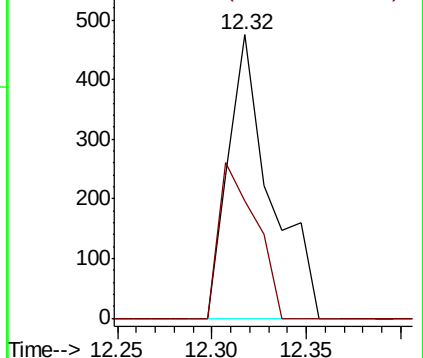
105 100

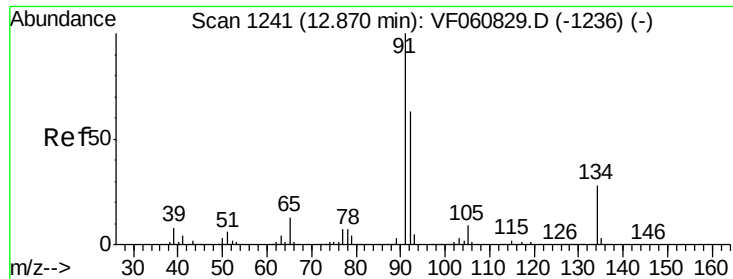
134 41.5 9.5 28.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#89

n-Butylbenzene

Concen: 4.019 ug/l

RT: 12.86 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

Instrument :

MSVOA_F

ClientSampled :

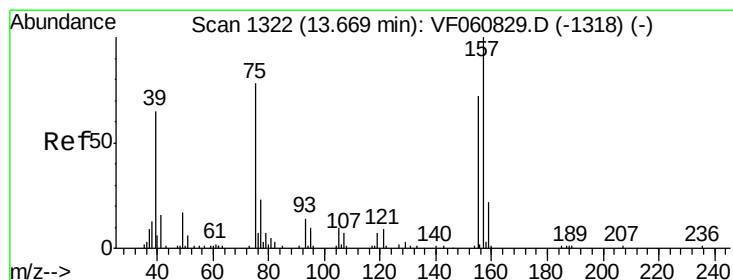
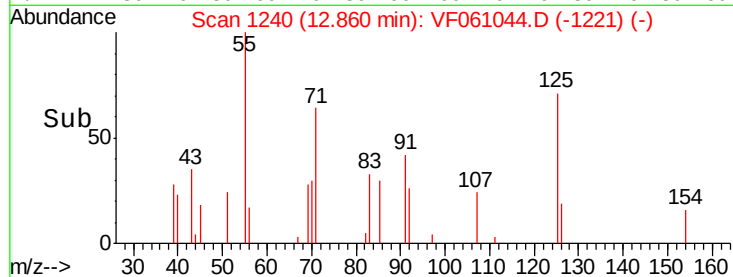
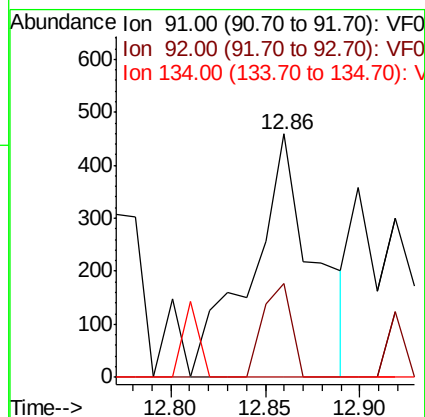
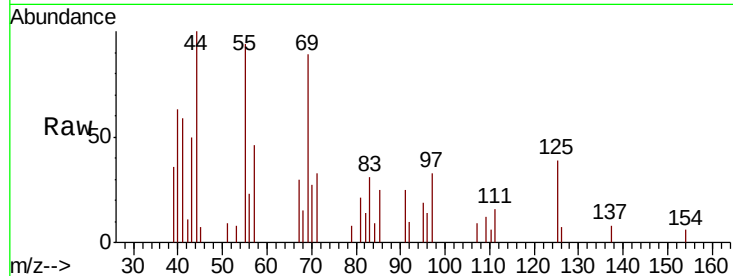
Tot Ion: 91 Resp: 1058

Ion Ratio Lower Upper

91 100

92 38.8 31.6 94.7

134 0.0 13.8 41.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 7.562 ug/l

RT: 13.66 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VF061044.D

Acq: 17 Dec 2018 16:57

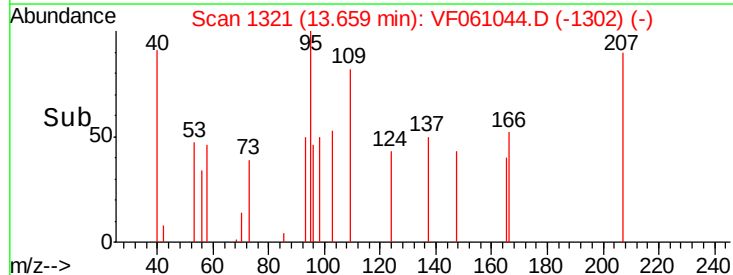
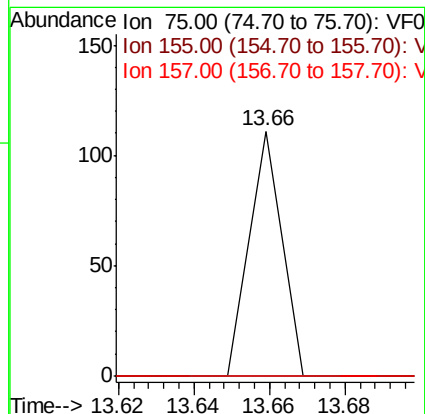
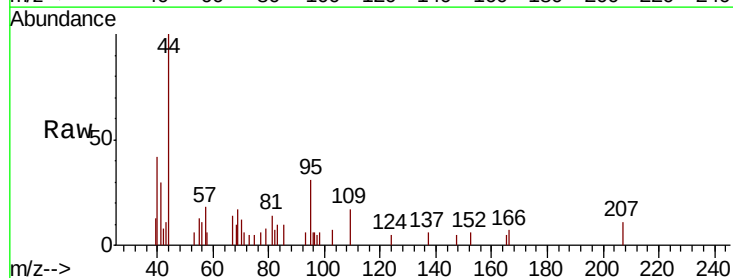
Tgt Ion: 75 Resp: 66

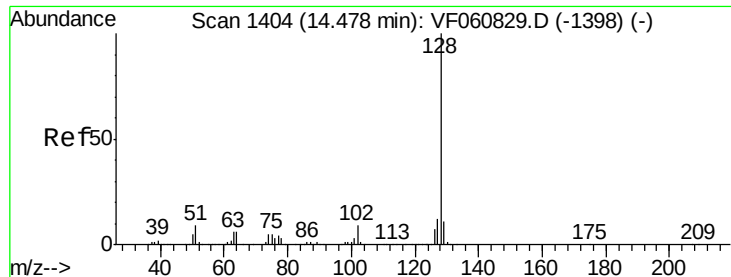
Ion Ratio Lower Upper

75 100

155 0.0 45.6 136.9#

157 0.0 63.8 191.5#

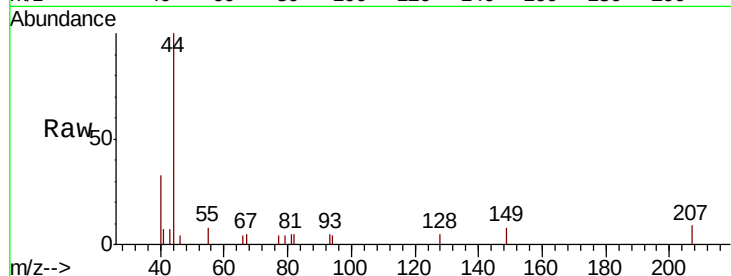




#95
Naphthalene
Concen: Below Cal
RT: 14.48 min Scan# 1404
Delta R.T. 0.00 min
Lab File: VF061044.D
Acq: 17 Dec 2018 16:57

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.9	14.9#
129	0.0	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

