

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111518\
 Data File : VF060758.D
 Acq On : 15 Nov 2018 20:40
 Operator : VA/AP
 Sample : J5915-02
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 16 04:39:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	1217	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	1893	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	997	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	159	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.69	65	78	5.62	ug/l	-0.17
Spiked Amount	50.000		Recovery	=	11.24%	
35) Dibromofluoromethane	4.11	113	153	10.75	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	21.50%	
50) Toluene-d8	7.57	98	1310	34.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.52%	
62) 4-Bromofluorobenzene	11.42	95	1318	80.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	161.52%	

Target Compounds

						Qvalue
3) Chloromethane	1.08	50	66	4.886	ug/l #	44
5) Bromomethane	1.33	94	75	9.771	ug/l #	5
12) 1,1-Dichloroethene	1.89	96	73	7.352	ug/l #	1
13) Acrolein	2.01	56	989	1712.138	ug/l #	1
14) Allyl chloride	2.19	41	7631	438.716	ug/l #	21
15) Acrylonitrile	2.94	53	82	60.913	ug/l #	71
16) Acetone	2.19	43	1958	659.919	ug/l #	88
17) Carbon Disulfide	1.77	76	67	2.233	ug/l #	67
18) Methyl Acetate	2.38	43	6417	1317.124	ug/l #	64
19) Methyl tert-butyl Ether	2.31	73	126	5.290	ug/l #	1
20) Methylene Chloride	2.19	84	157	13.853	ug/l #	1
21) trans-1,2-Dichloroethene	2.29	96	77	7.423	ug/l #	1
22) Diisopropyl ether	2.80	45	72	2.144	ug/l #	1
23) Vinyl Acetate	3.22	43	178	11.256	ug/l #	77
24) 1,1-Dichloroethane	2.75	63	67	3.296	ug/l #	88
25) 2-Butanone	4.36	43	2470	506.119	ug/l #	56
26) 2,2-Dichloropropane	3.64	77	65	4.063	ug/l #	60
29) Tetrahydrofuran	4.04	42	3138	1558.844	ug/l #	1
30) Chloroform	3.84	83	81	2.483	ug/l #	60
31) Cyclohexane	3.69	56	207	8.389	ug/l #	16
37) Ethyl Acetate	4.02	43	17008	2083.776	ug/l #	1
39) Methylcyclohexane	5.47	83	4253	166.980	ug/l #	88
41) Methacrylonitrile	4.68	41	8967	2251.187	ug/l #	50
43) Isopropyl Acetate	7.03	43	1511	139.624	ug/l #	48
47) Bromodichloromethane	6.41	83	114	5.311	ug/l #	1
48) Methyl methacrylate	6.60	41	14566	2033.738	ug/l #	46
51) 4-Methyl-2-Pentanone	8.21	43	514	65.670	ug/l #	38
55) 1,1,2-Trichloroethane	8.49	97	62	6.617	ug/l #	1
56) Ethyl methacrylate	8.63	69	3321	312.072	ug/l	92
57) 1,3-Dichloropropane	8.69	76	67	4.126	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.48	63	60	61.721	ug/l	100
59) 2-Hexanone	9.51	43	3105	564.489	ug/l #	42
67) Ethyl Benzene	9.91	91	11971	315.669	ug/l	98
68) m/p-Xylenes	10.14	106	20152	1486.960	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

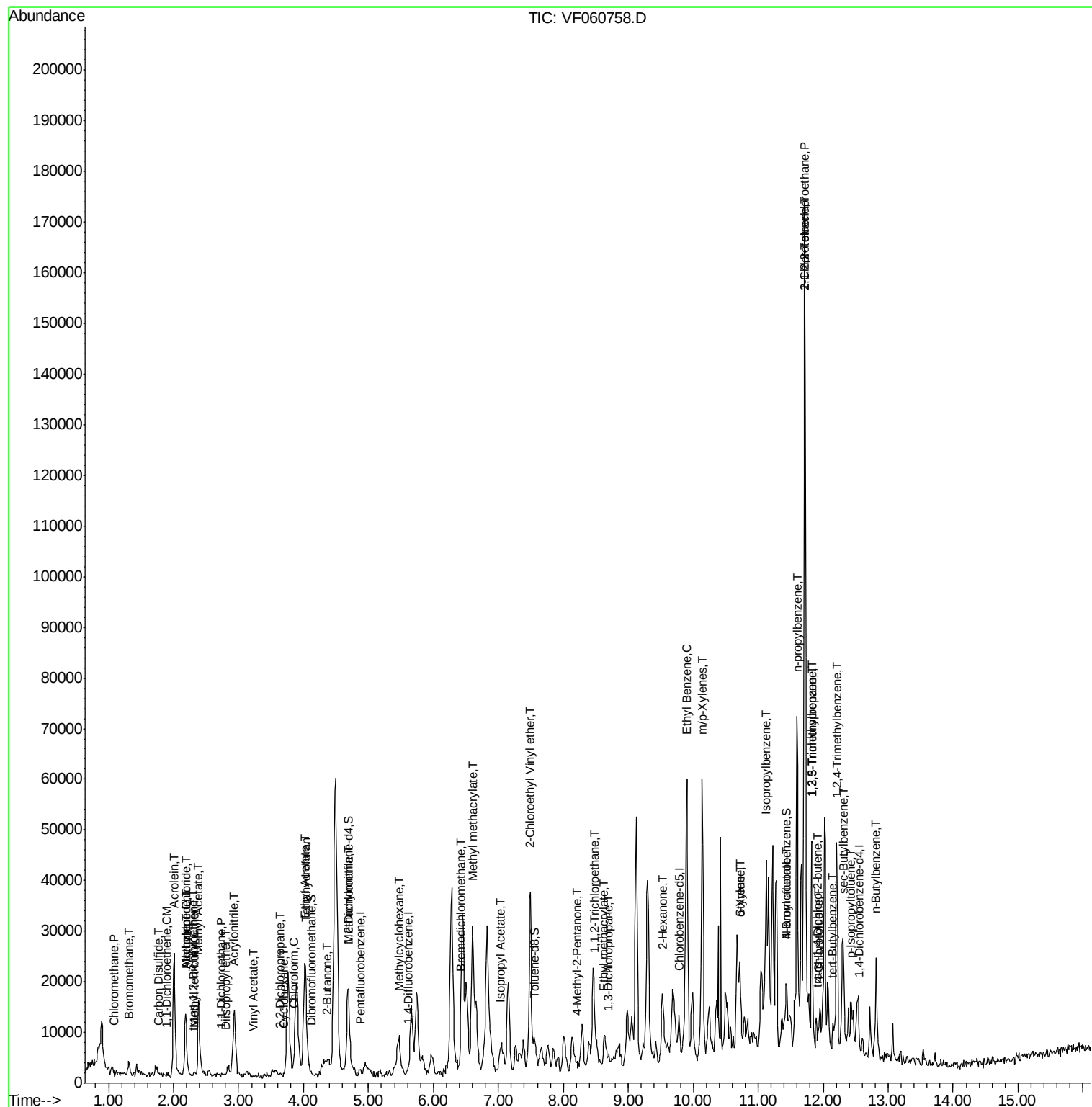
69) o-Xylene	10.72	106	3148	206.604	ug/l	90
70) Styrene	10.71	104	120	5.803	ug/l #	1
73) Isopropylbenzene	11.13	105	10287	803.772	ug/l	98
74) N-amyl acetate	11.44	43	5288	1814.968	ug/l #	34
75) 1,1,2,2-Tetrachloroethane	11.71	83	159	75.143	ug/l #	1
76) 1,2,3-Trichloropropane	11.82	75	158	100.542	ug/l #	1
78) n-propylbenzene	11.60	91	52099	3490.366	ug/l	95
79) 2-Chlorotoluene	11.71	91	17252	1988.605	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.82	105	23799	2342.232	ug/l	87
81) trans-1,4-Dichloro-2-buten	11.91	75	66	85.487	ug/l #	31
82) 4-Chlorotoluene	11.92	91	524	58.959	ug/l #	43
83) tert-Butylbenzene	12.14	119	93	8.620	ug/l #	46
84) 1,2,4-Trimethylbenzene	12.21	105	17900	1703.377	ug/l	93
85) sec-Butylbenzene	12.31	105	8685	593.451	ug/l	90
86) p-Isopropyltoluene	12.43	119	5211	426.333	ug/l	97
89) n-Butylbenzene	12.82	91	2485	199.220	ug/l #	49

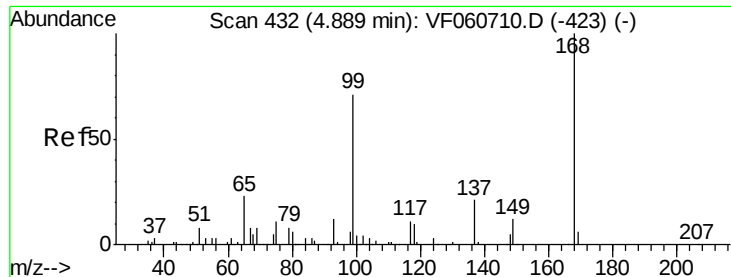
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

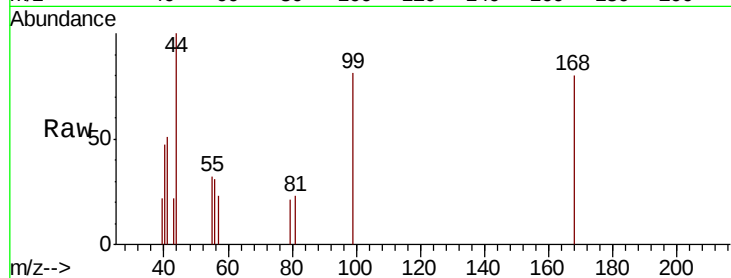
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 1217

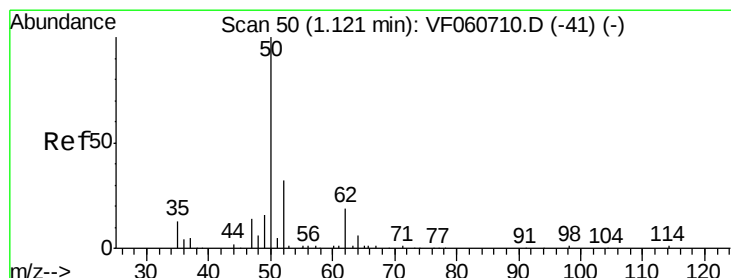
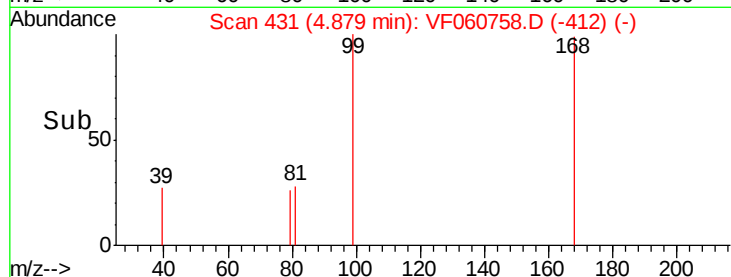
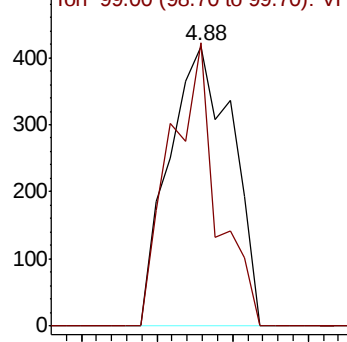
Ion Ratio Lower Upper

168 100

99 101.2 57.2 85.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 4.886 ug/l

RT: 1.08 min Scan# 46

Delta R.T. -0.04 min

Lab File: VF060758.D

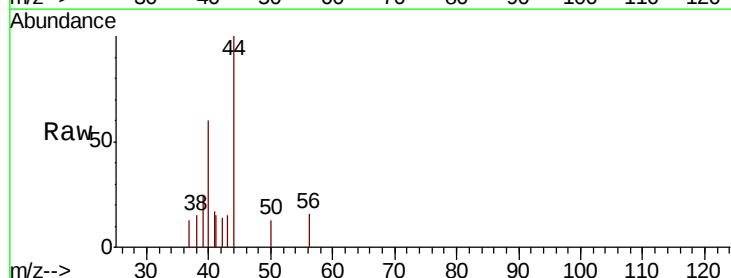
Acq: 15 Nov 2018 20:40

Tgt Ion: 50 Resp: 66

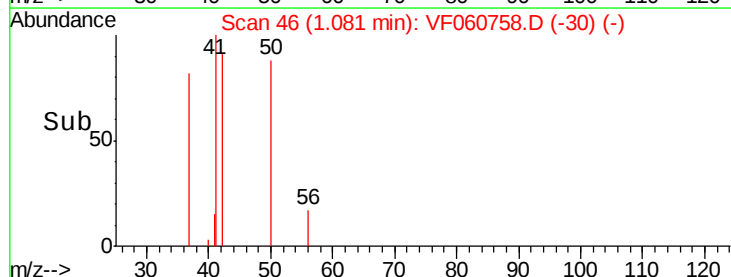
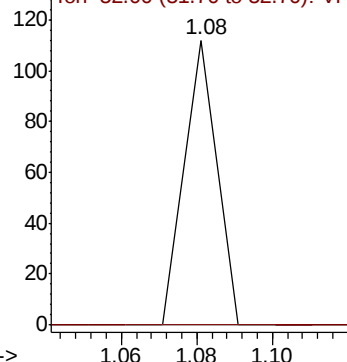
Ion Ratio Lower Upper

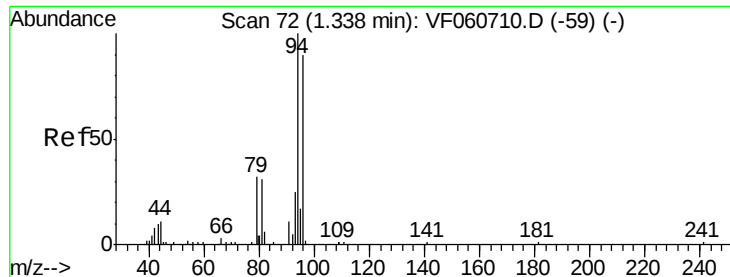
50 100

52 0.0 24.2 36.2#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#5

Bromomethane

Concen: 9.771 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

Instrument :

MSVOA_F

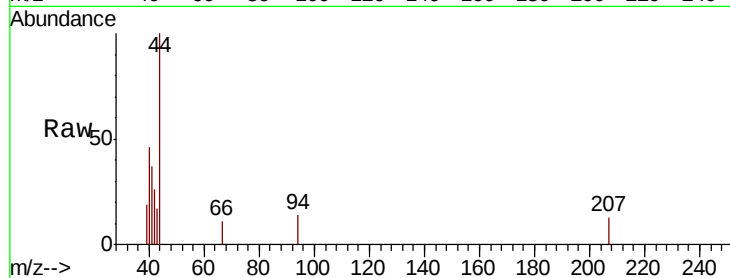
ClientSampled :

Tot Ion: 94 Resp: 75

Ion Ratio Lower Upper

94 100

96 0.0 71.9 107.9#

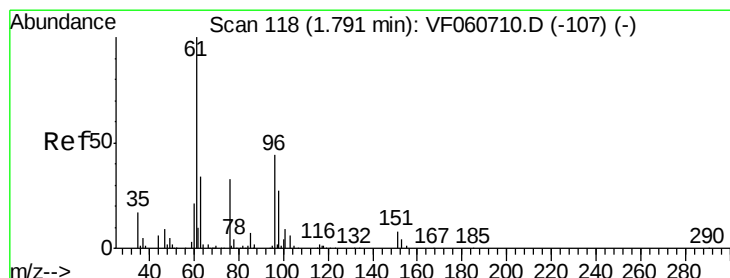
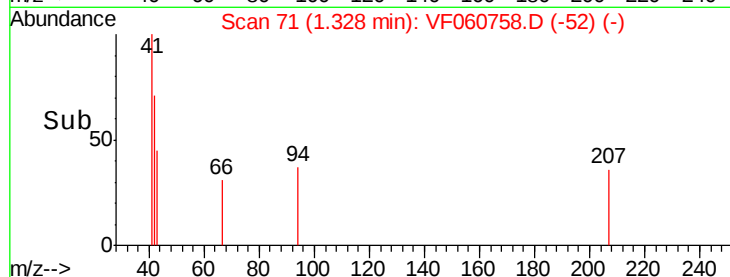


Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.33

Time-->



#12

1,1-Dichloroethene

Concen: 7.352 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.10 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

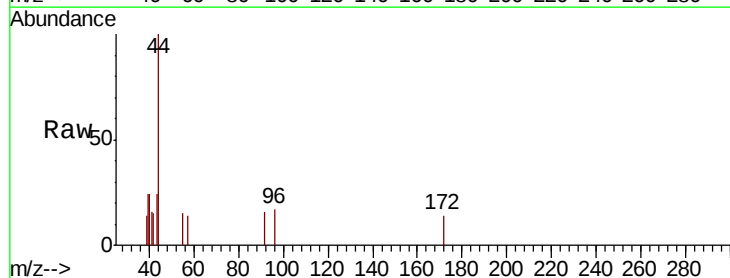
Tgt Ion: 96 Resp: 73

Ion Ratio Lower Upper

96 100

61 0.0 182.2 273.2#

98 0.0 49.2 73.8#



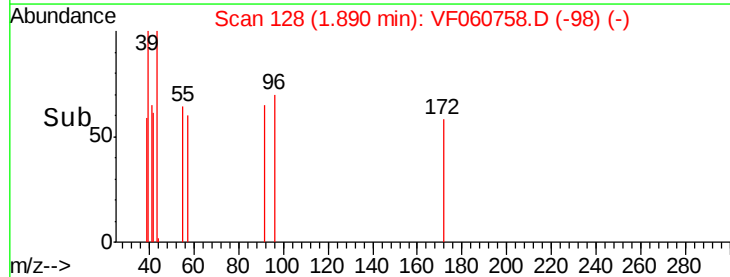
Abundance Ion 96.00 (95.70 to 96.70): VF0

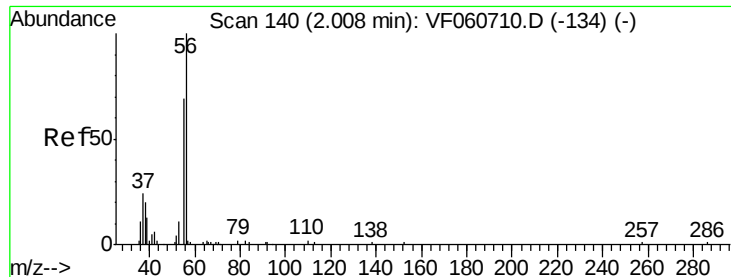
Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

1.89

Time-->





#13

Acrolein

Concen: 1712.138 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

Instrument :

MSVOA_F

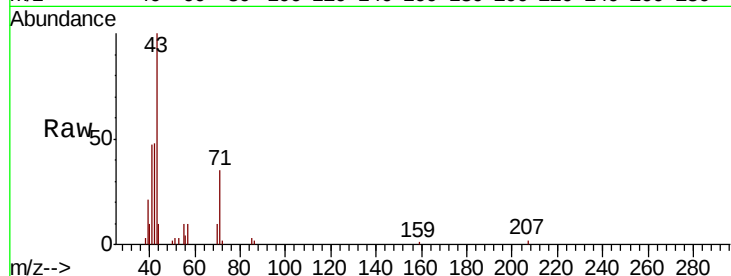
ClientSampleId :

Tot Ion: 56 Resp: 989

Ion Ratio Lower Upper

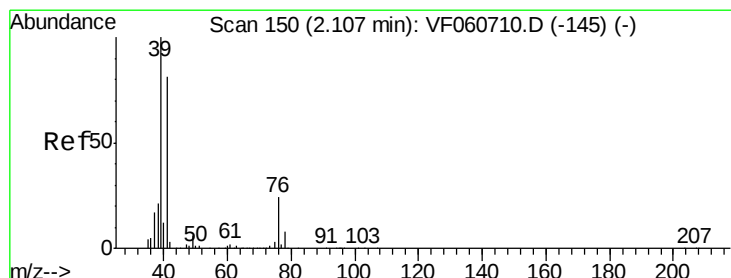
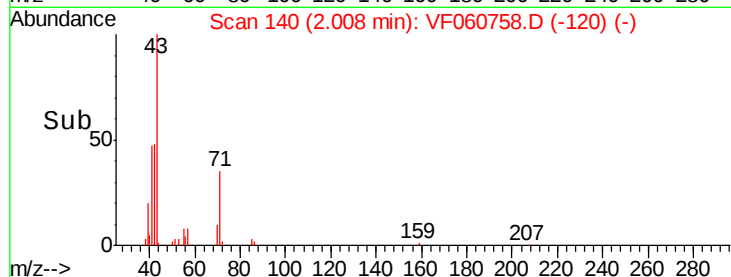
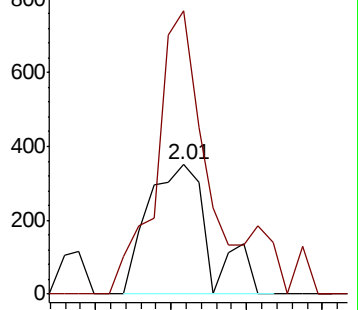
56 100

55 219.1 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 438.716 ug/l

RT: 2.19 min Scan# 158

Delta R.T. 0.08 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

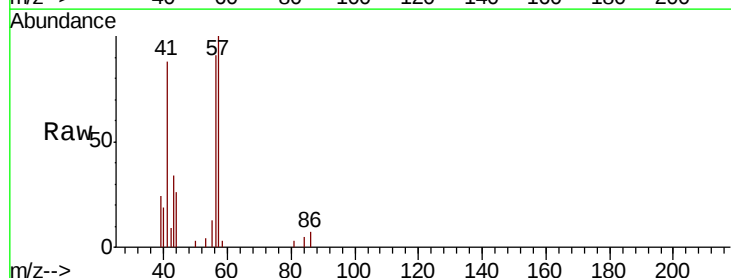
Tgt Ion: 41 Resp: 7631

Ion Ratio Lower Upper

41 100

39 27.0 98.5 147.7#

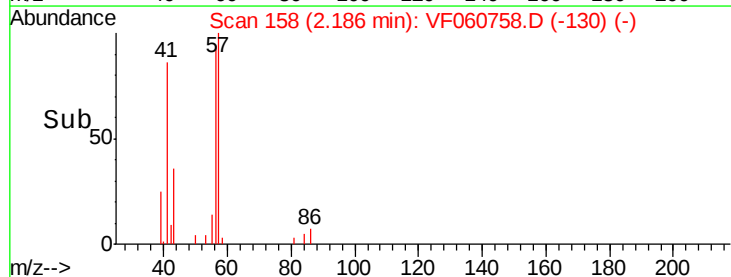
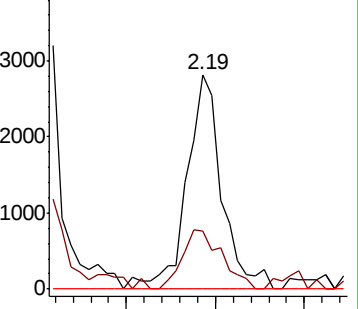
76 0.0 24.5 36.7#

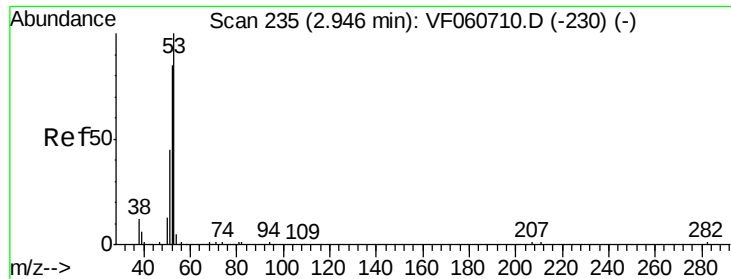


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 60.913 ug/l

RT: 2.94 min Scan# 234

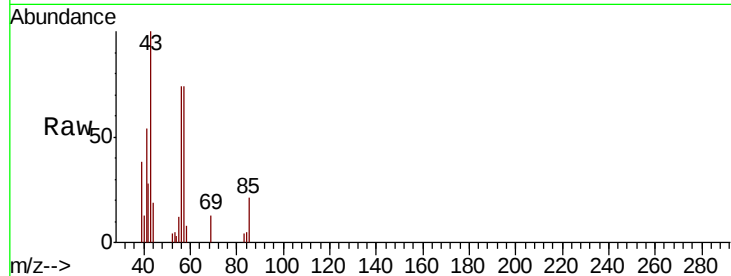
Delta R.T. -0.01 min

Lab File: VF060758.D

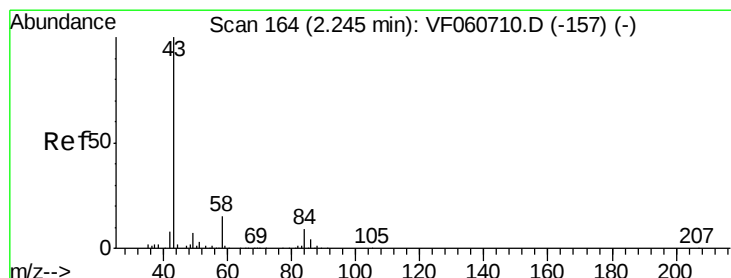
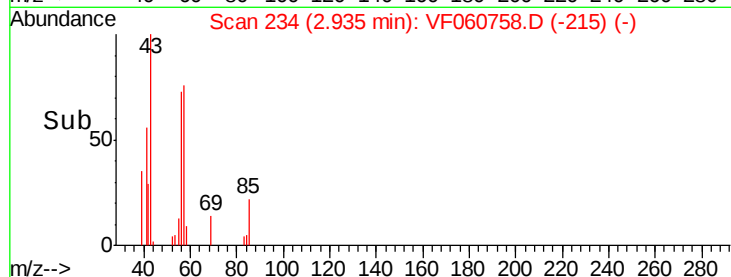
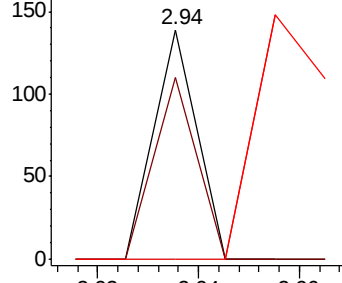
Acq: 15 Nov 2018 20:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	82
Ion	Ratio	Lower	Upper
53	100		
52	79.1	68.8	103.2
51	0.0	36.7	55.1#



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: 659.919 ug/l

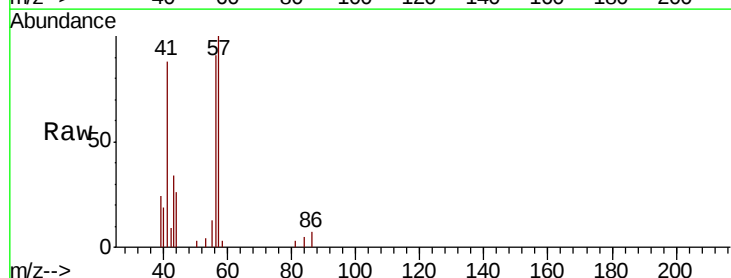
RT: 2.19 min Scan# 158

Delta R.T. -0.06 min

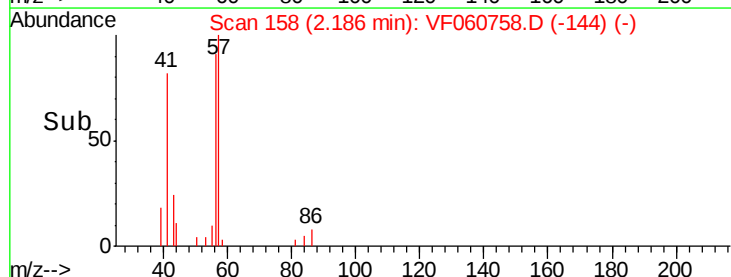
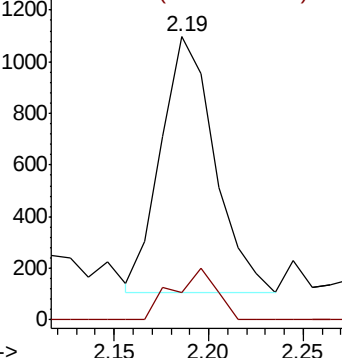
Lab File: VF060758.D

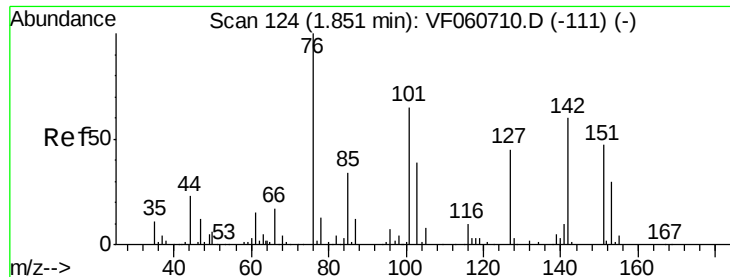
Acq: 15 Nov 2018 20:40

Tgt Ion:	43	Resp:	1958
Ion	Ratio	Lower	Upper
43	100		
58	9.7	11.6	17.4#



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

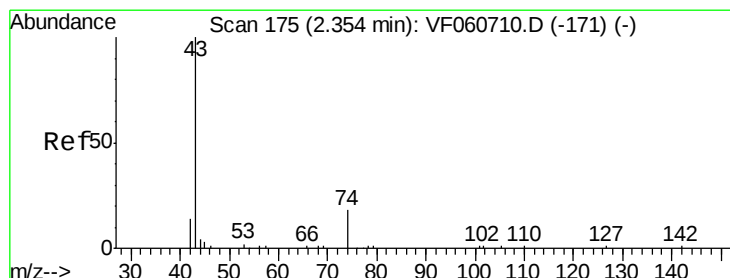
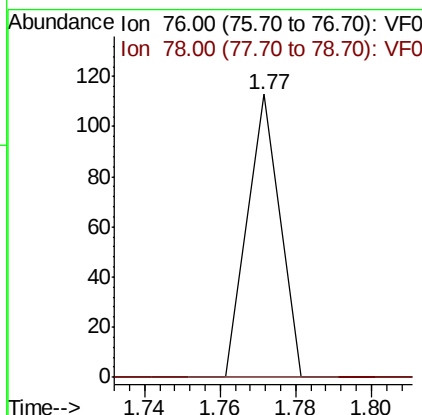
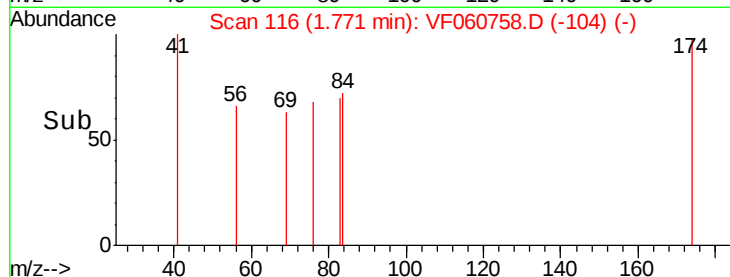
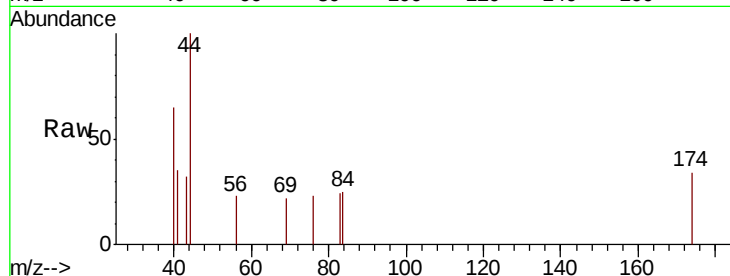




#17
Carbon Disulfide
Concen: 2.233 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.08 min
Lab File: VF060758.D
Acq: 15 Nov 2018 20:40

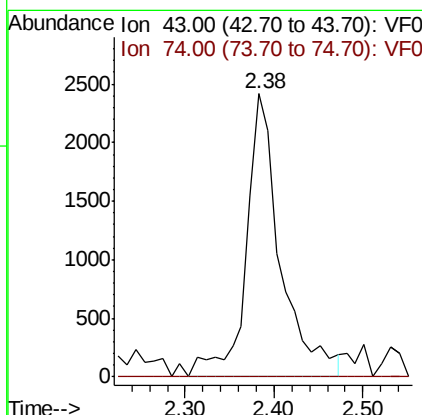
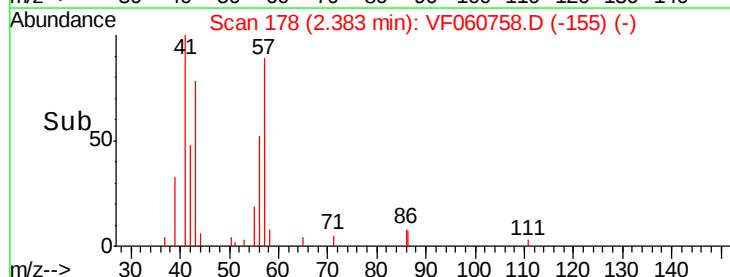
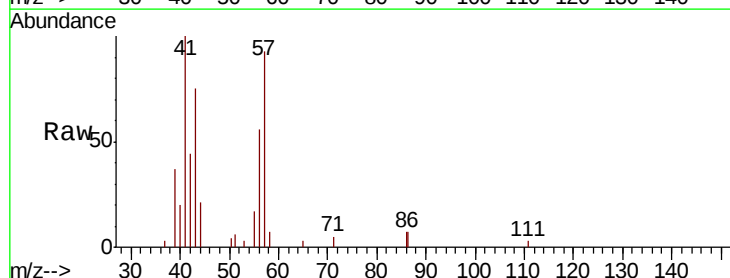
Instrument :
MSVOA_F
ClientSampled :

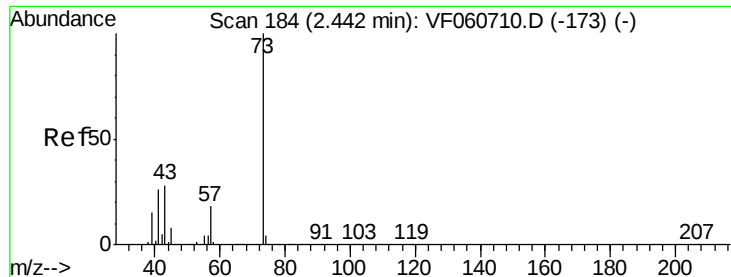
Tot Ion: 76 Resp: 67
Ion Ratio Lower Upper
76 100
78 0.0 10.5 15.7#



#18
Methyl Acetate
Concen: 1317.124 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.03 min
Lab File: VF060758.D
Acq: 15 Nov 2018 20:40

Tgt Ion: 43 Resp: 6417
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.8#



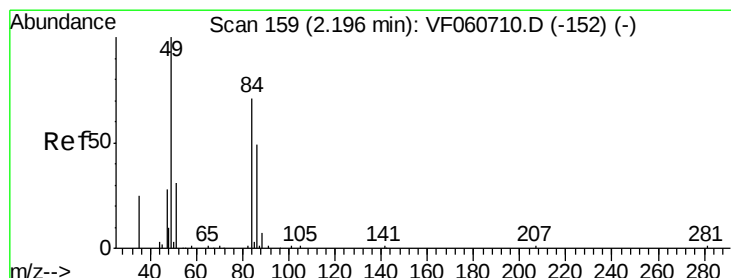
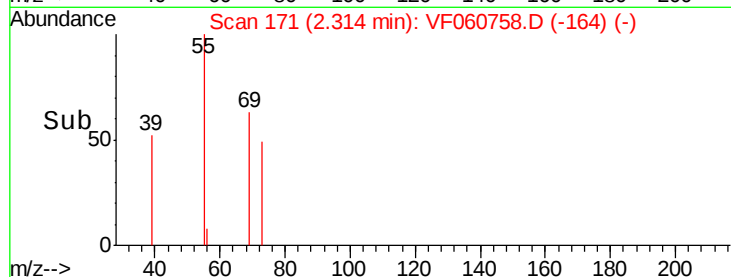
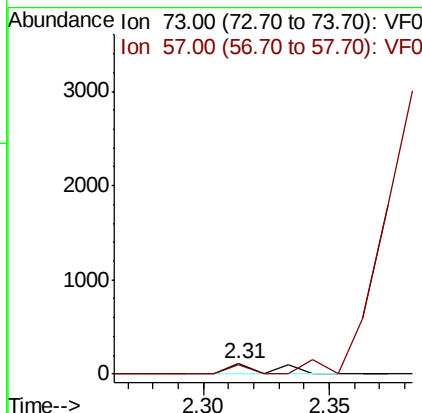
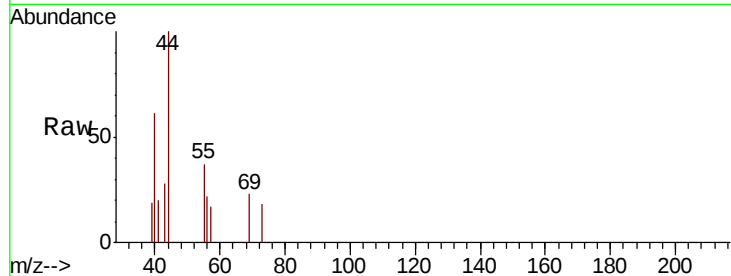


#19

Methyl tert-butyl Ether
 Concen: 5.290 ug/l
 RT: 2.31 min Scan# 171
 Delta R.T. -0.13 min
 Lab File: VF060758.D
 Acq: 15 Nov 2018 20:40

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 MSVOA_F
 ClientSampleId :

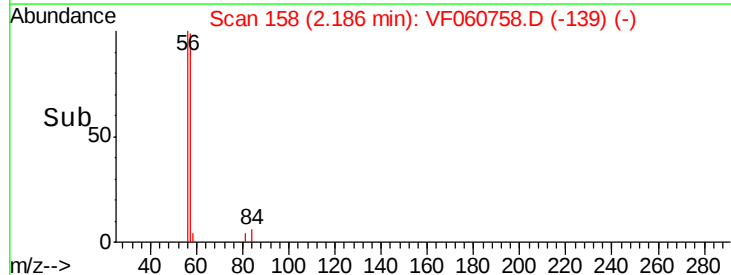
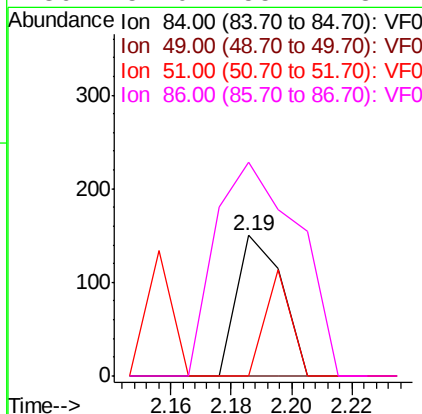
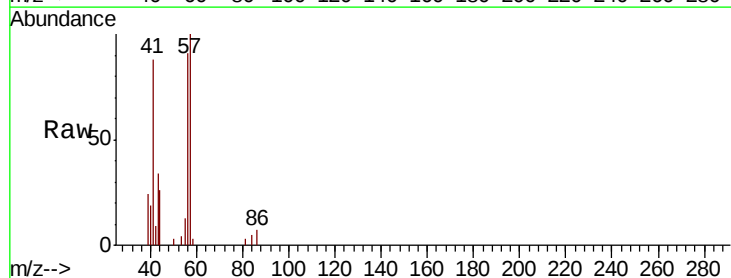
Tot Ion: 73 Resp: 126
 Ion Ratio Lower Upper
 73 100
 57 93.6 14.3 21.5#

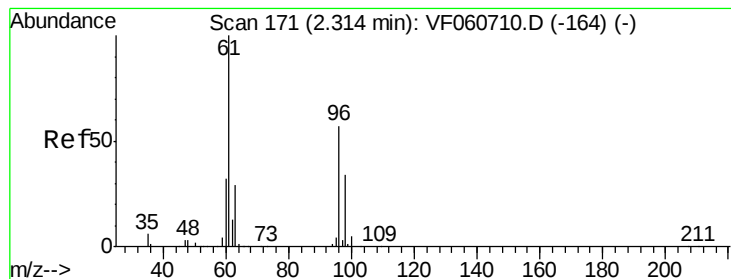


#20

Methylene Chloride
 Concen: 13.853 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VF060758.D
 Acq: 15 Nov 2018 20:40

Tgt Ion: 84 Resp: 157
 Ion Ratio Lower Upper
 84 100
 49 0.0 120.2 180.4#
 51 0.0 37.2 55.8#
 86 152.0 55.1 82.7#





#21

trans-1,2-Dichloroethene

Concen: 7.423 ug/l

RT: 2.29 min Scan# 169

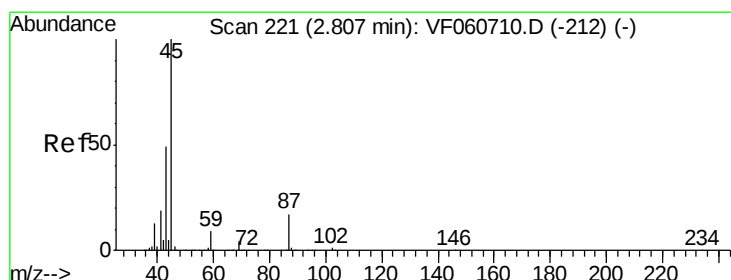
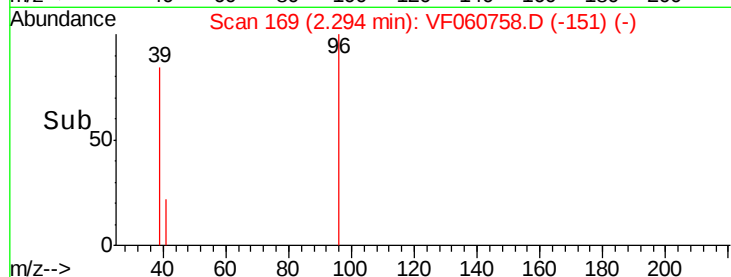
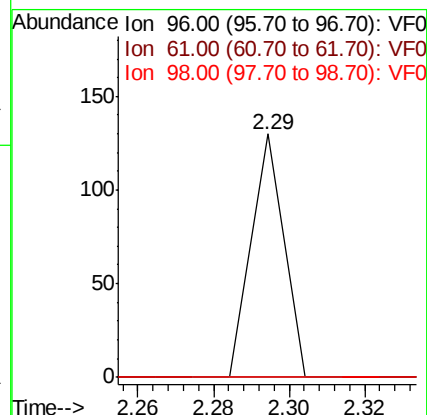
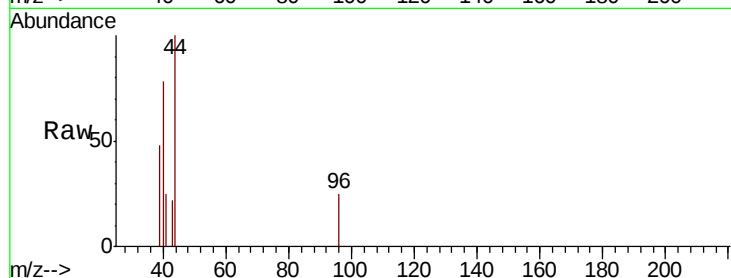
Delta R.T. -0.02 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	96	Resp:	77
Ion	Ratio	Lower	Upper
96	100		
61	0.0	141.6	212.4#
98	0.0	47.4	71.0#



#22

Diisopropyl ether

Concen: 2.144 ug/l

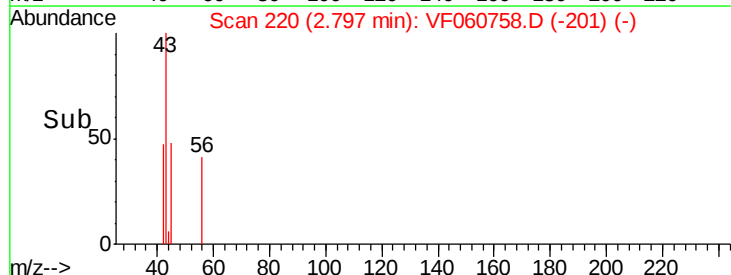
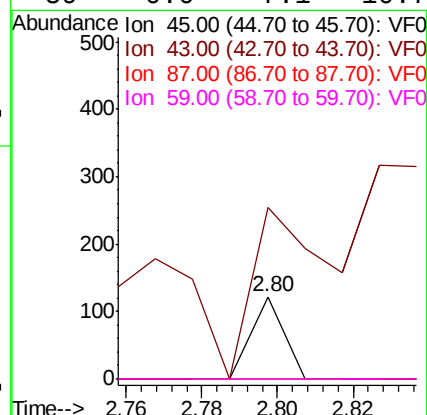
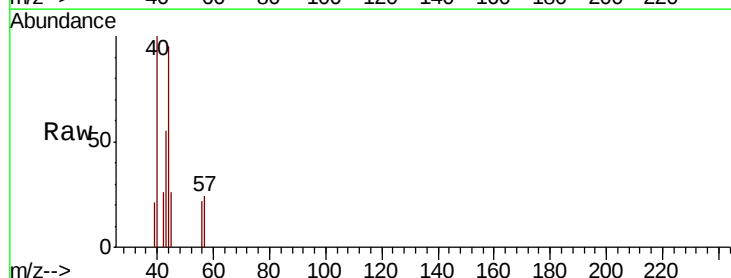
RT: 2.80 min Scan# 220

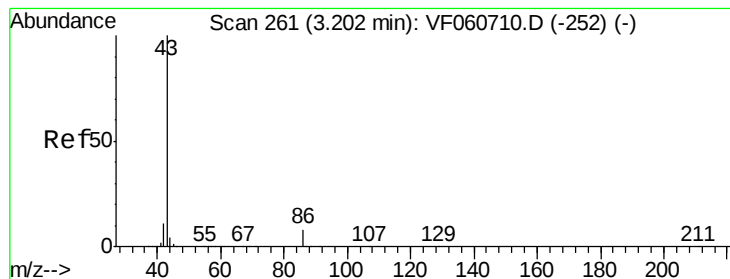
Delta R.T. -0.01 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

Tgt Ion:	45	Resp:	72
Ion	Ratio	Lower	Upper
45	100		
43	209.0	39.9	59.9#
87	0.0	13.9	20.9#
59	0.0	7.1	10.7#





#23

Vinyl Acetate

Concen: 11.256 ug/l

RT: 3.22 min Scan# 263

Delta R.T. 0.02 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

Instrument :

MSVOA_F

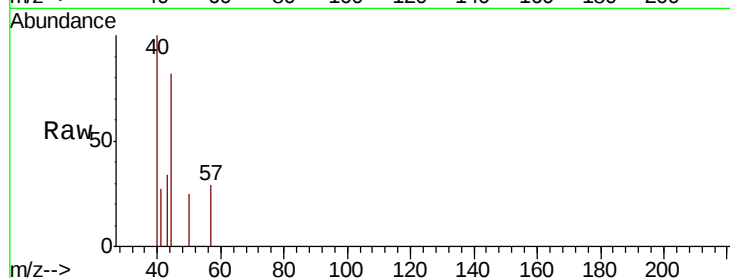
ClientSampleId :

Tot Ion: 43 Resp: 178

Ion Ratio Lower Upper

43 100

86 0.0 6.4 9.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.22

150

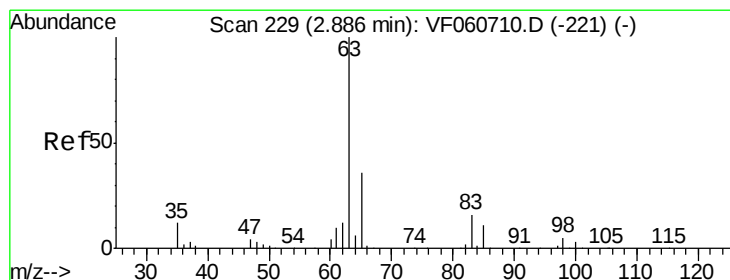
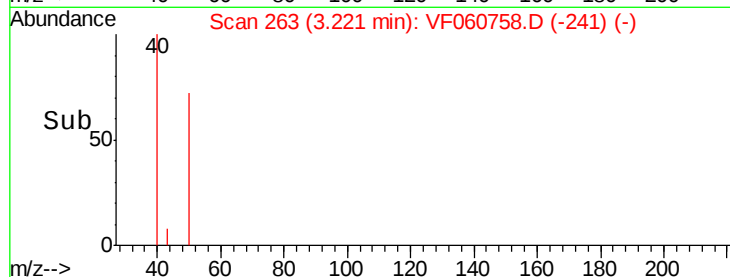
100

50

0

Time-->

3.20 3.22 3.24 3.26



#24

1,1-Dichloroethane

Concen: 3.296 ug/l

RT: 2.75 min Scan# 215

Delta R.T. -0.14 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

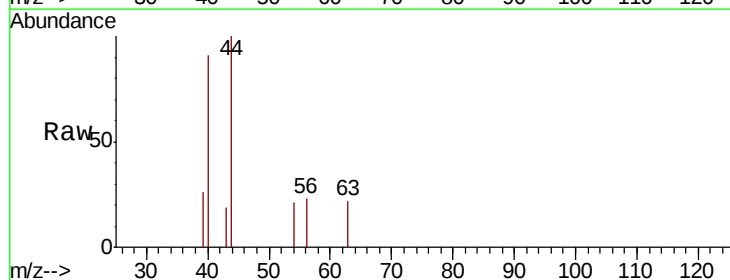
Tgt Ion: 63 Resp: 67

Ion Ratio Lower Upper

63 100

98 0.0 2.4 7.1#

100 0.0 1.4 4.2#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

150

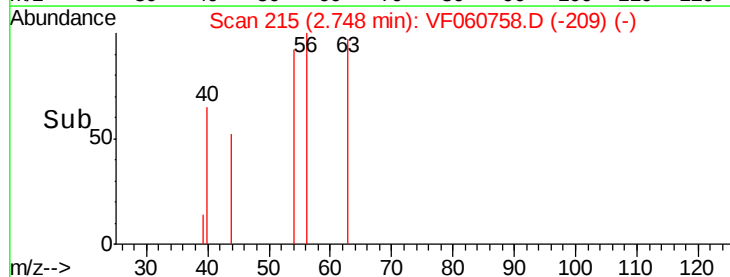
100

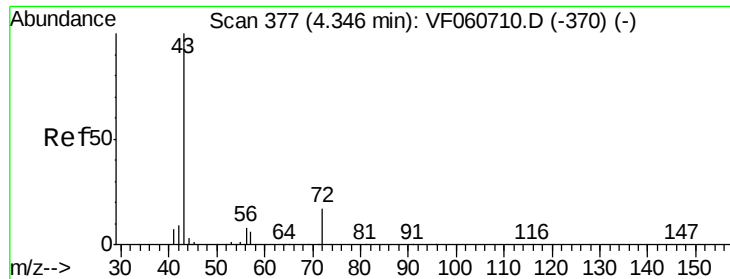
50

0

Time-->

2.72 2.74 2.76 2.78





#25

2-Butanone

Concen: 506.119 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

Instrument :

MSVOA_F

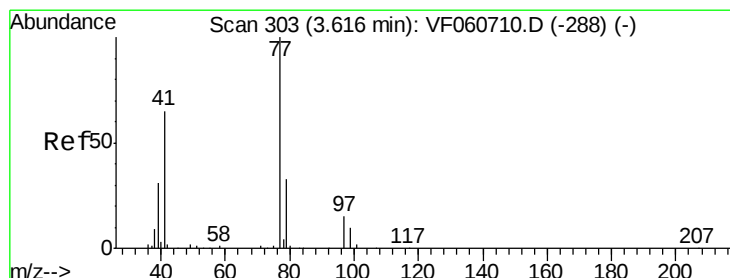
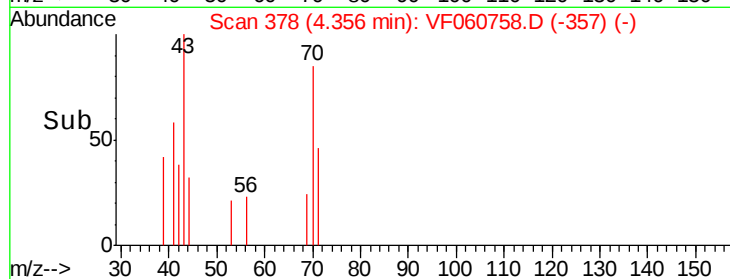
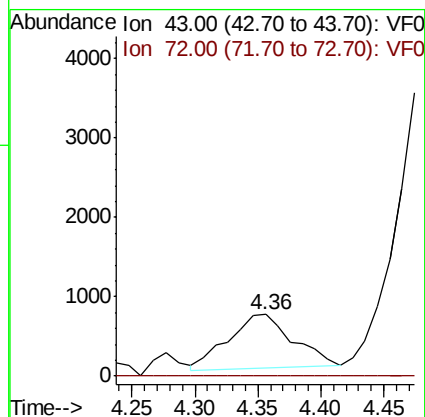
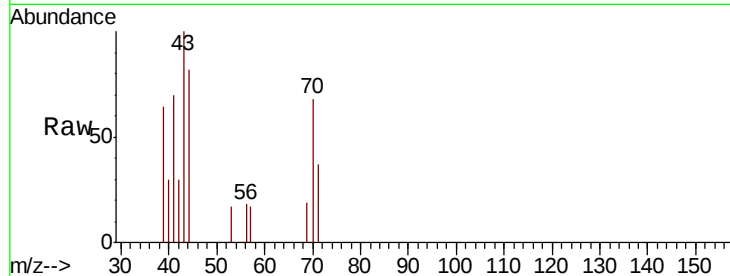
ClientSampleId :

Tot Ion: 43 Resp: 2470

Ion Ratio Lower Upper

43 100

72 0.0 16.1 24.1#



#26

2,2-Dichloropropane

Concen: 4.063 ug/l

RT: 3.64 min Scan# 305

Delta R.T. 0.02 min

Lab File: VF060758.D

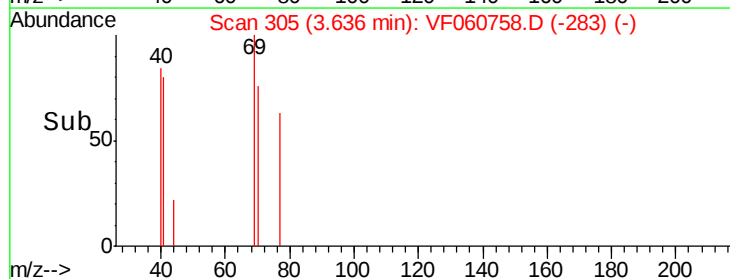
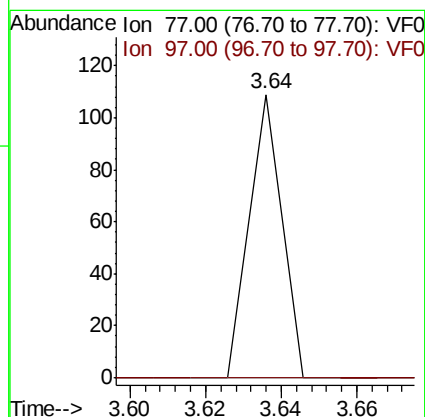
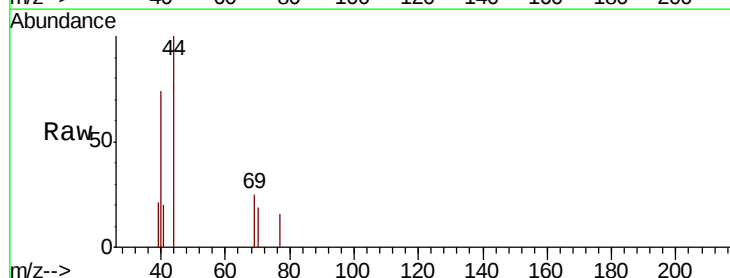
Acq: 15 Nov 2018 20:40

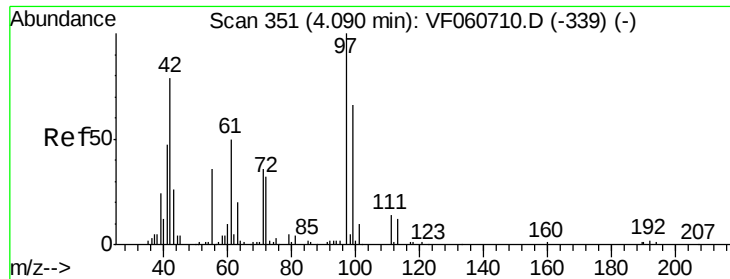
Tgt Ion: 77 Resp: 65

Ion Ratio Lower Upper

77 100

97 0.0 8.8 26.5#





#29

Tetrahydrofuran

Concen: 1558.844 ug/l

RT: 4.04 min Scan# 346

Delta R.T. -0.05 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

Instrument :

MSVOA_F

ClientSampleId :

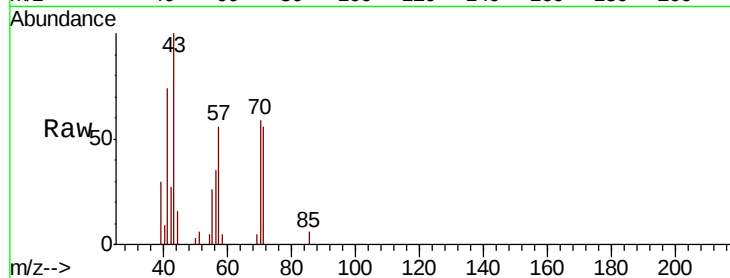
Tot Ion: 42 Resp: 3138

Ion Ratio Lower Upper

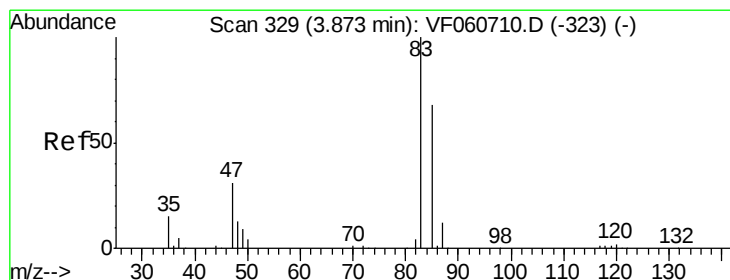
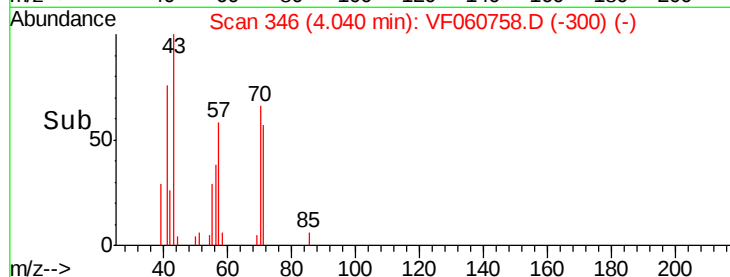
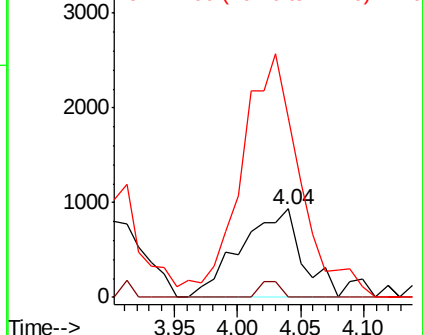
42 100

72 6.2 30.3 45.5#

71 259.7 32.2 48.2#



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



#30

Chloroform

Concen: 2.483 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.03 min

Lab File: VF060758.D

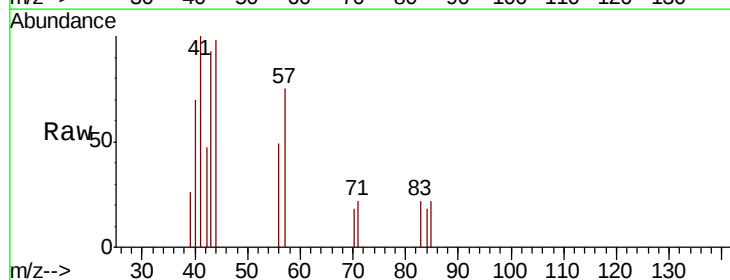
Acq: 15 Nov 2018 20:40

Tgt Ion: 83 Resp: 81

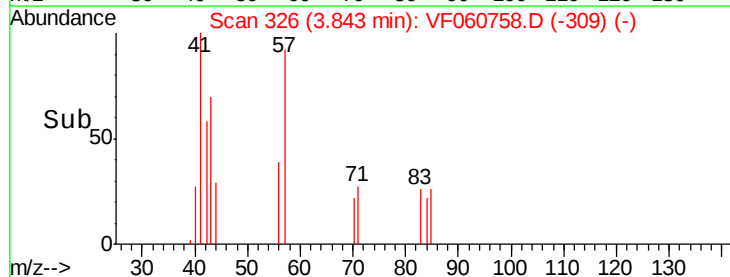
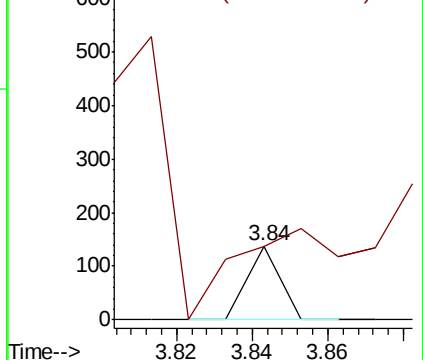
Ion Ratio Lower Upper

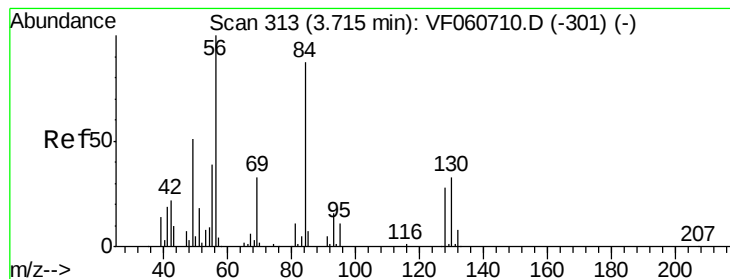
83 100

85 100.7 54.6 82.0#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 8.389 ug/l

RT: 3.69 min Scan# 311

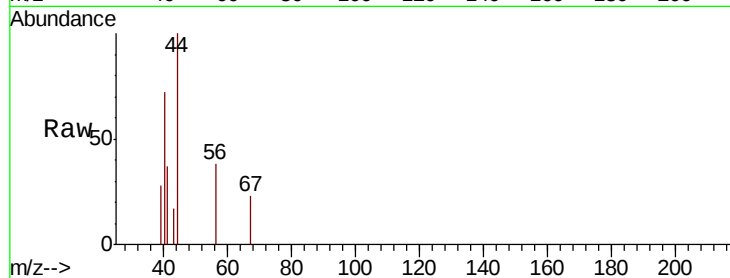
Delta R.T. -0.02 min

Lab File: VF060758.D

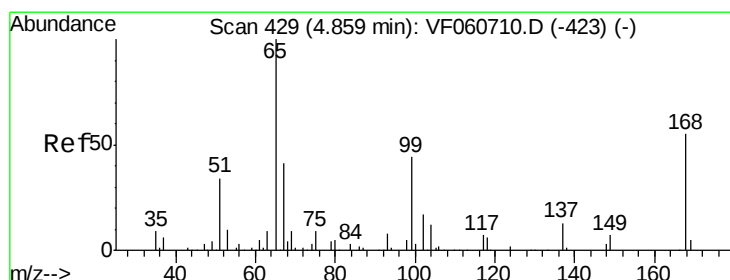
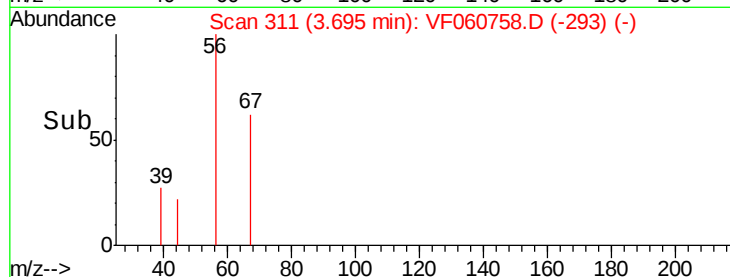
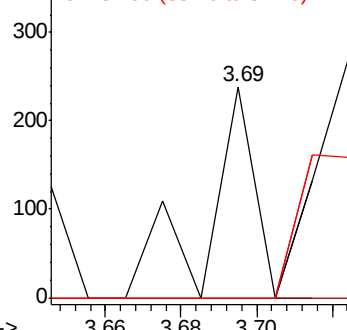
Acq: 15 Nov 2018 20:40

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	56	Resp:	207
Ion	Ratio	Lower	Upper
56	100		
69	0.0	26.0	39.0#
84	0.0	69.4	104.2#



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: 5.619 ug/l

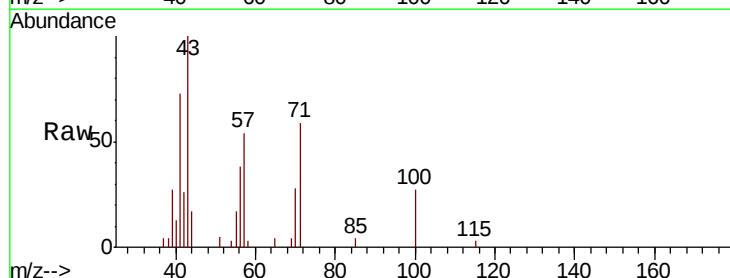
RT: 4.69 min Scan# 412

Delta R.T. -0.17 min

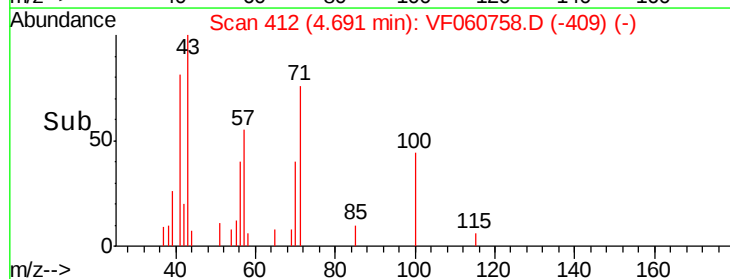
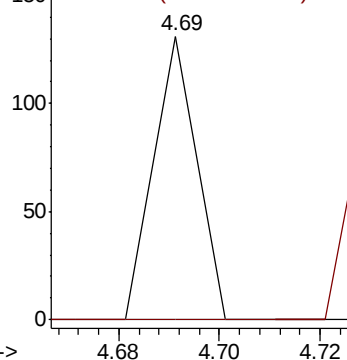
Lab File: VF060758.D

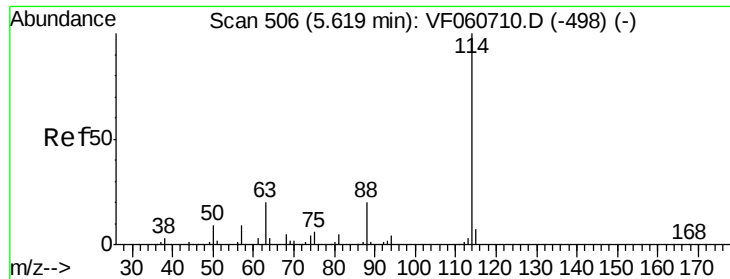
Acq: 15 Nov 2018 20:40

Tgt Ion:	65	Resp:	78
Ion	Ratio	Lower	Upper
65	100		
67	0.0	0.0	90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

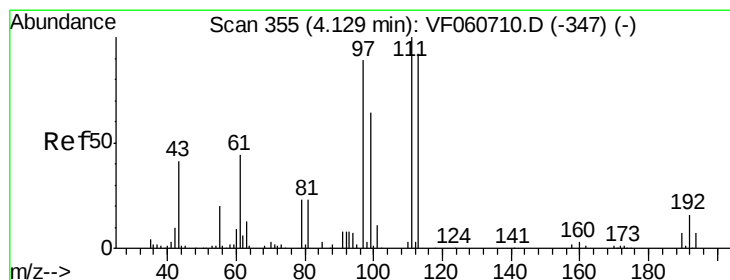
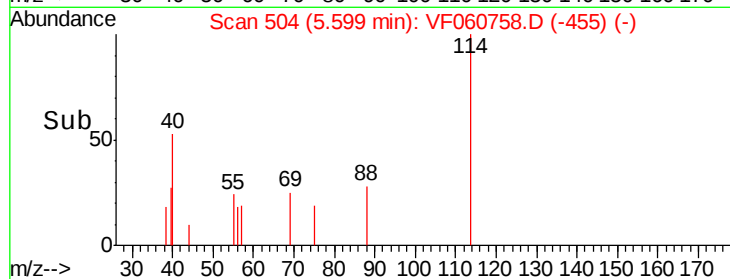
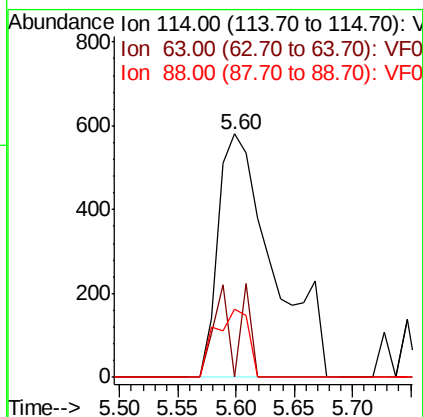
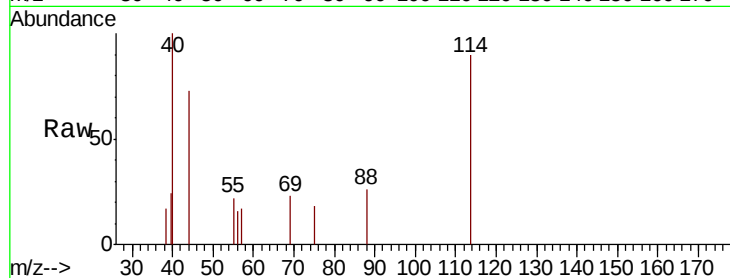




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.02 min
 Lab File: VF060758.D
 Acq: 15 Nov 2018 20:40

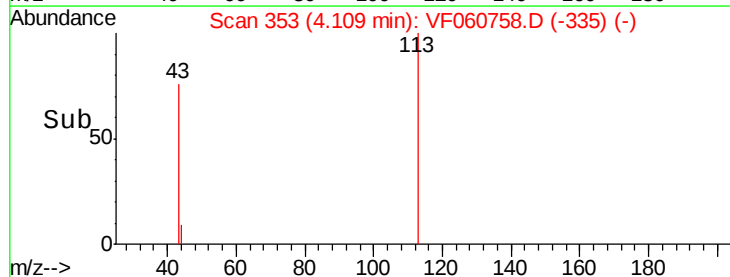
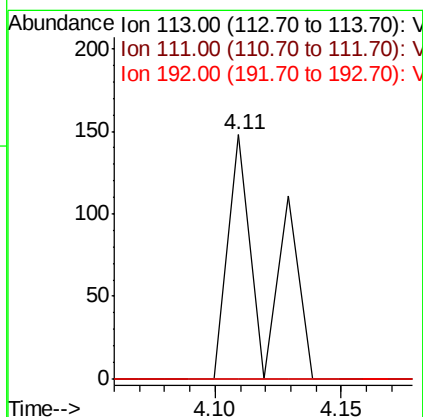
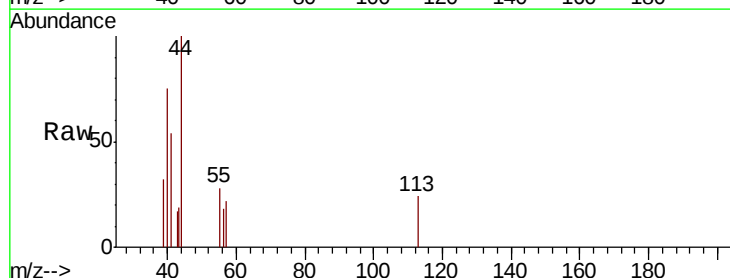
Instrument :
 MSVOA_F
 ClientSampleId :

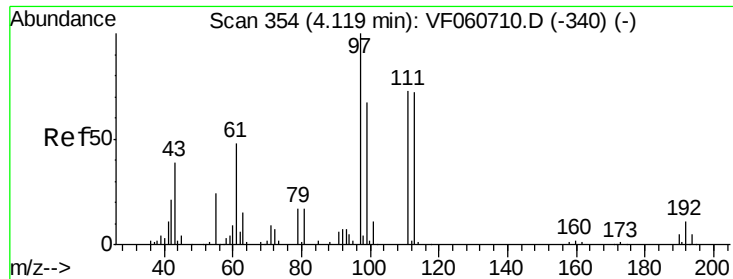
Tot Ion:114 Resp: 1893
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 40.8
 88 28.2 0.0 39.6



#35
 Dibromofluoromethane
 Concen: 10.752 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.02 min
 Lab File: VF060758.D
 Acq: 15 Nov 2018 20:40

Tgt Ion:113 Resp: 153
 Ion Ratio Lower Upper
 113 100
 111 0.0 87.1 130.7#
 192 0.0 13.8 20.6#

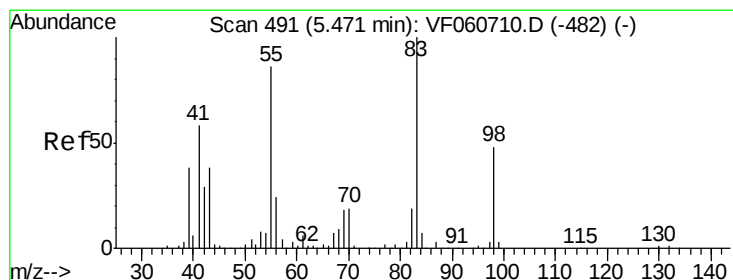
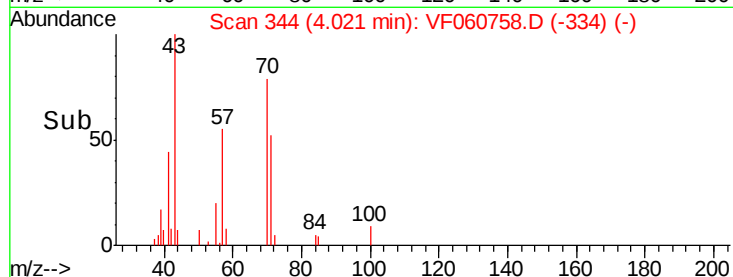
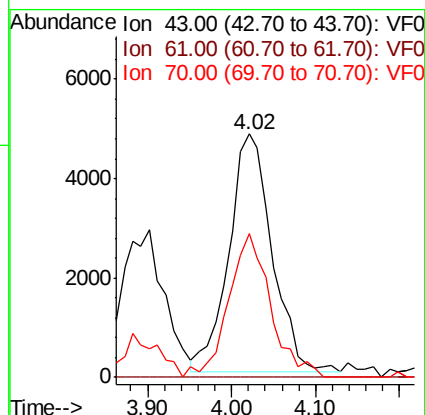
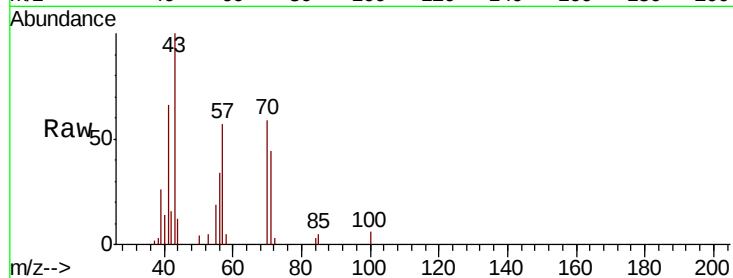




#37
Ethyl Acetate
Concen: 2083.776 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.10 min
Lab File: VF060758.D
Acq: 15 Nov 2018 20:40

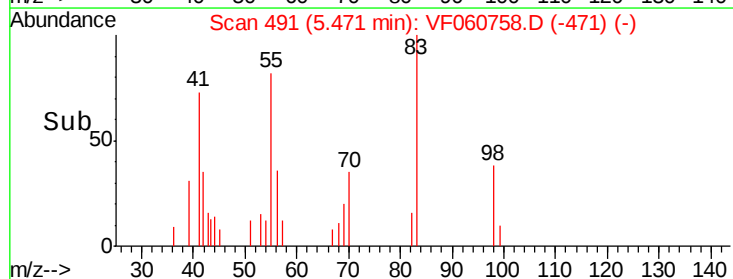
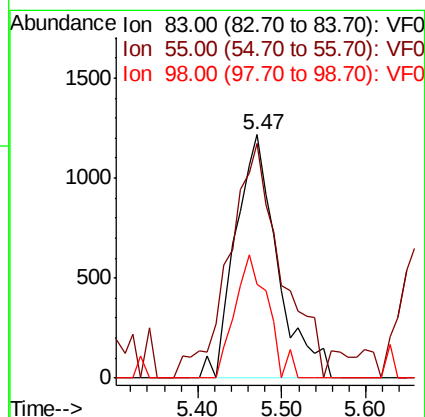
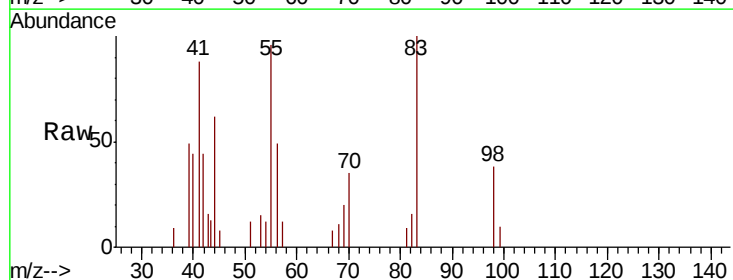
Instrument :
MSVOA_F
ClientSampleId :

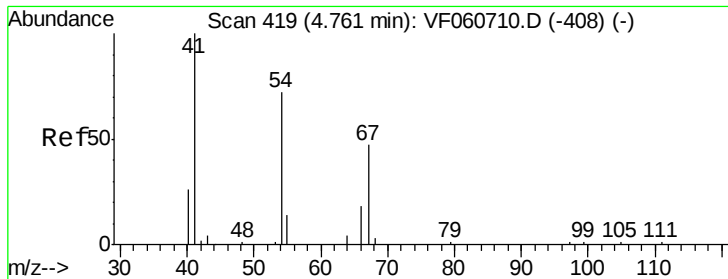
Tot Ion: 43 Resp: 17008
Ion Ratio Lower Upper
43 100
61 0.0 98.5 147.7#
70 59.2 7.4 11.0#



#39
Methylcyclohexane
Concen: 166.980 ug/l
RT: 5.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VF060758.D
Acq: 15 Nov 2018 20:40

Tgt Ion: 83 Resp: 4253
Ion Ratio Lower Upper
83 100
55 96.1 69.0 103.4
98 38.3 38.5 57.7#





#41

Methacrylonitrile

Concen: 2251.187 ug/l

RT: 4.68 min Scan# 411

Delta R.T. -0.08 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 8967

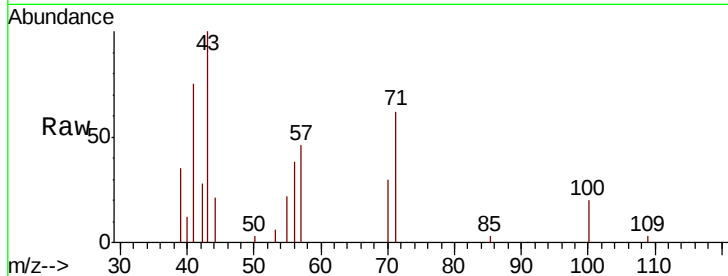
Ion Ratio Lower Upper

41 100

39 47.1 47.1 70.7#

67 0.0 37.1 55.7#

52 0.0 39.3 58.9#



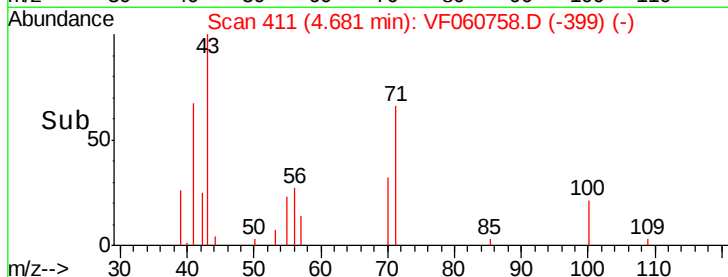
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

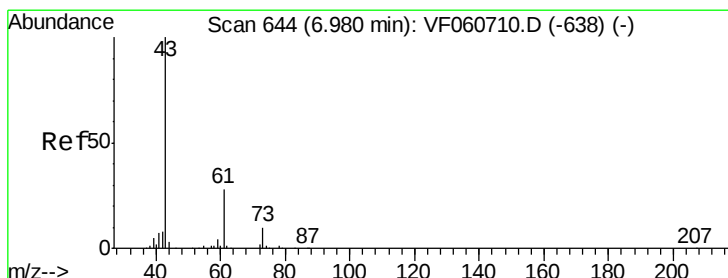
Ion 52.00 (51.70 to 52.70): VF0

Time-->



Abundance

Time-->



#43

Isopropyl Acetate

Concen: 139.624 ug/l

RT: 7.03 min Scan# 649

Delta R.T. 0.05 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

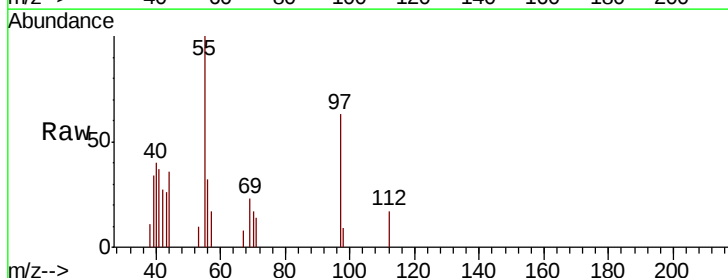
Tgt Ion: 43 Resp: 1511

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

87 0.0 0.4 0.6#

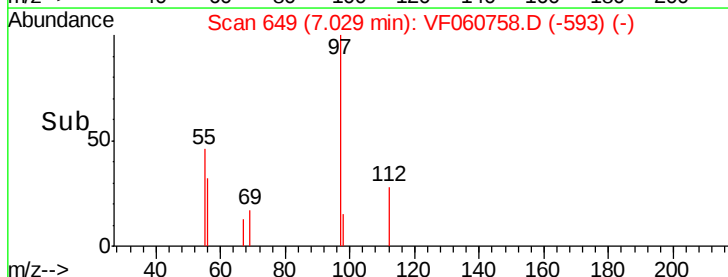


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

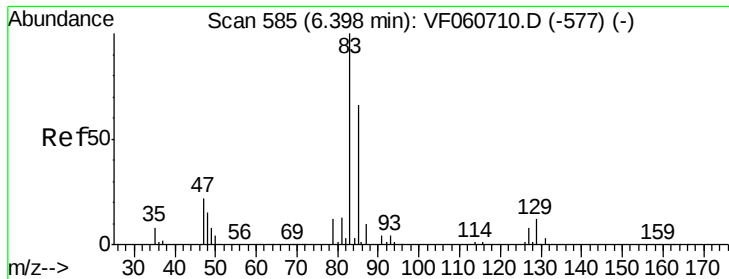
Ion 87.00 (86.70 to 87.70): VF0

Time-->



Abundance

Time-->



#47

Bromodichloromethane

Concen: 5.311 ug/l

RT: 6.41 min Scan# 586

Delta R.T. 0.01 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

Instrument :

MSVOA_F

ClientSampleId :

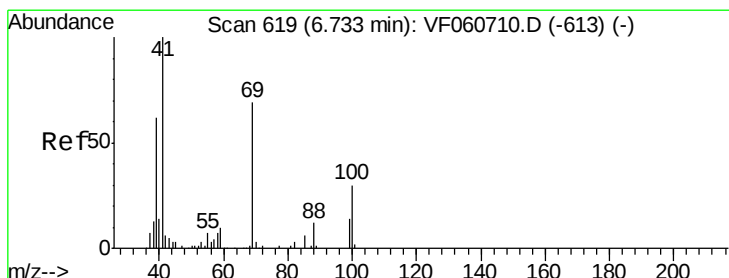
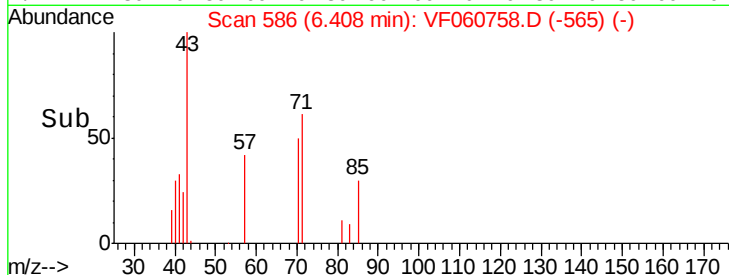
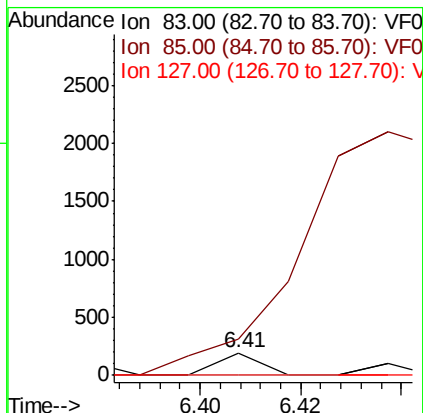
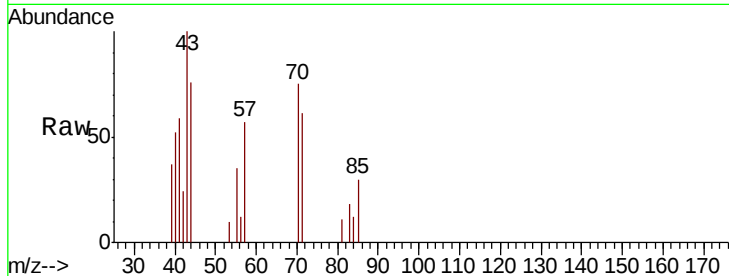
Tot Ion: 83 Resp: 114

Ion Ratio Lower Upper

83 100

85 162.7 52.4 78.6#

127 0.0 6.8 10.2#



#48

Methyl methacrylate

Concen: 2033.738 ug/l

RT: 6.60 min Scan# 606

Delta R.T. -0.13 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

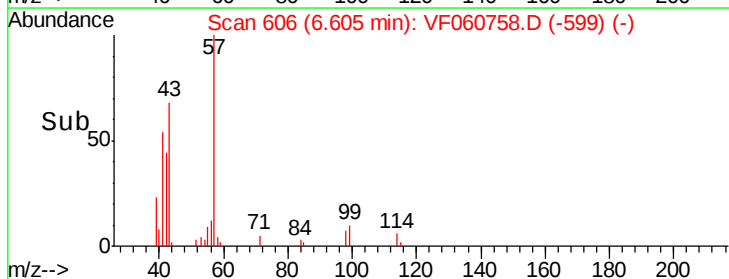
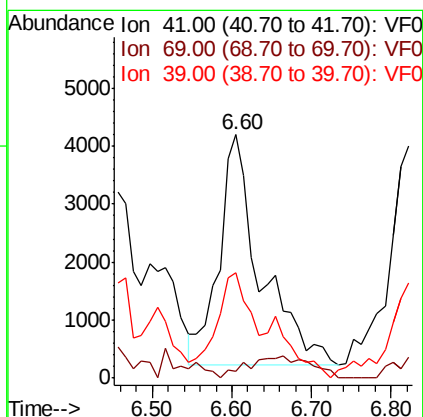
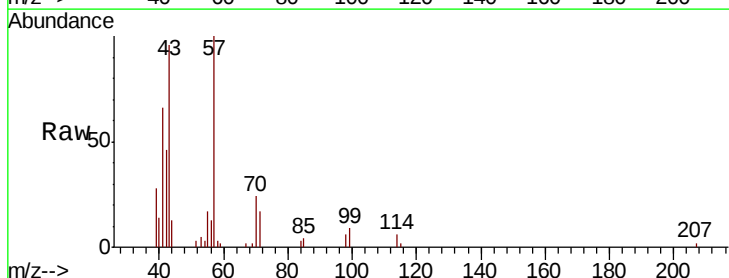
Tgt Ion: 41 Resp: 14566

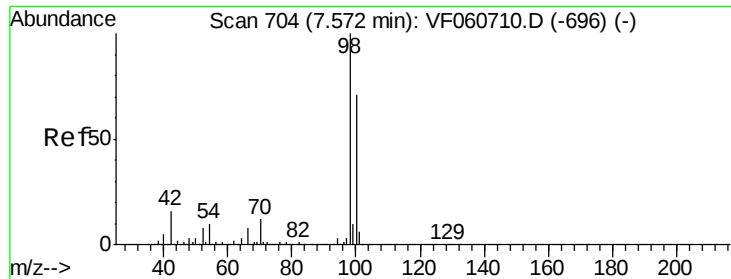
Ion Ratio Lower Upper

41 100

69 3.0 54.9 82.3#

39 43.2 49.6 74.4#





#50

Toluene-d8

Concen: 34.755 ug/l

RT: 7.57 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

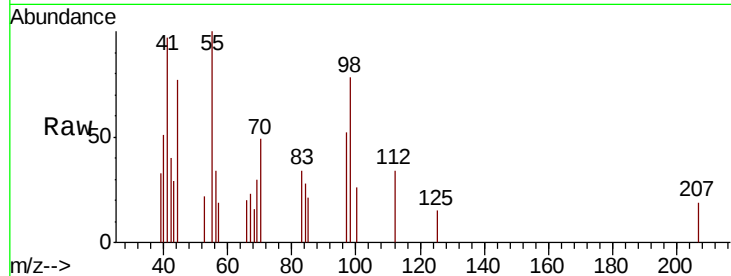
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 1310

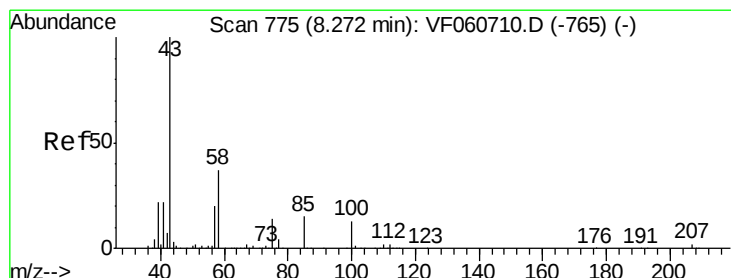
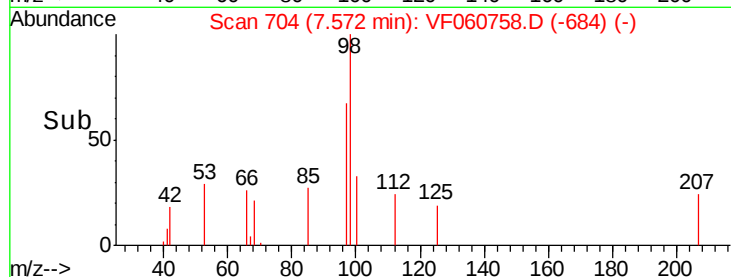
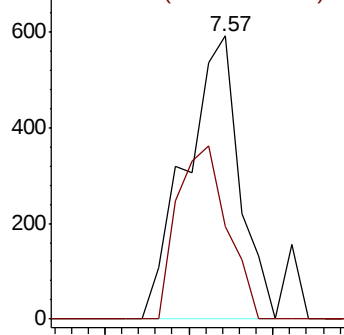
Ion Ratio Lower Upper

98 100

100 32.8 56.5 84.7#



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF



#51

4-Methyl-2-Pentanone

Concen: 65.670 ug/l

RT: 8.21 min Scan# 769

Delta R.T. -0.06 min

Lab File: VF060758.D

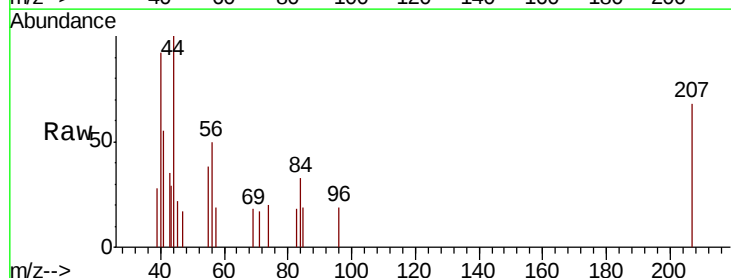
Acq: 15 Nov 2018 20:40

Tgt Ion: 43 Resp: 514

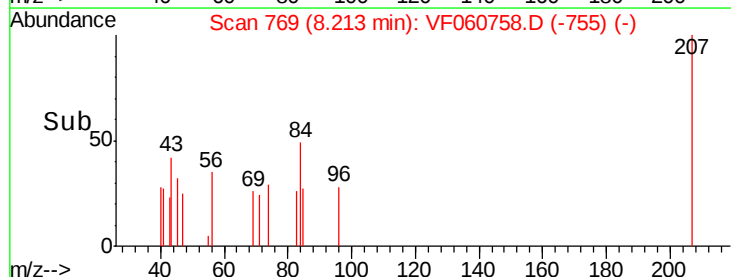
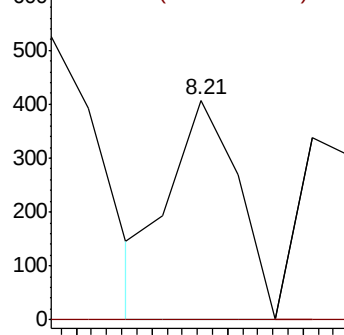
Ion Ratio Lower Upper

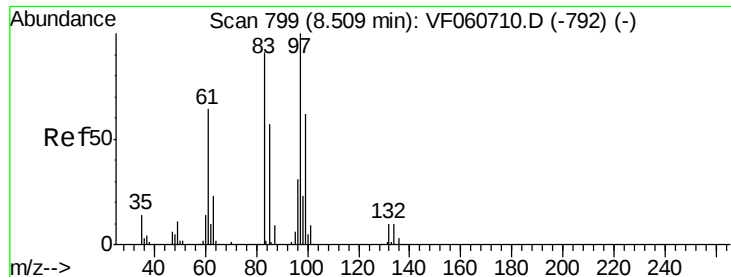
43 100

58 0.0 29.2 43.8#



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





#55

1,1,2-Trichloroethane

Concen: 6.617 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 97 Resp: 62

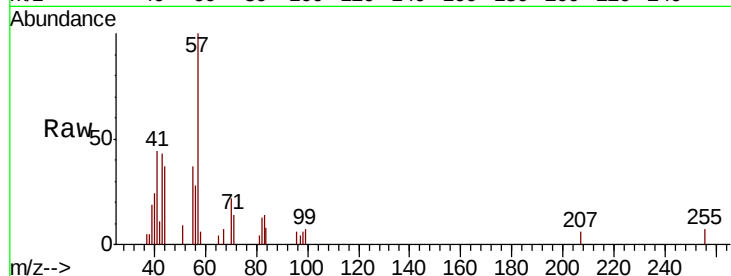
Ion Ratio Lower Upper

97 100

83 319.2 72.8 109.2#

85 0.0 45.8 68.6#

99 161.5 49.4 74.0#

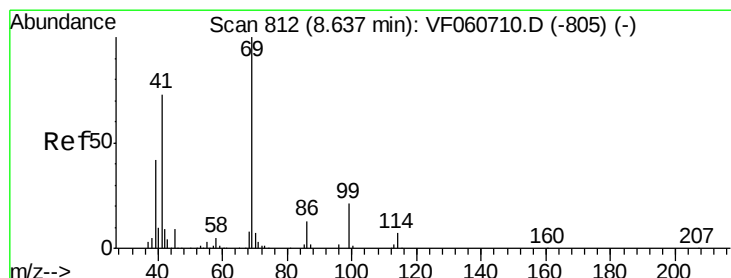
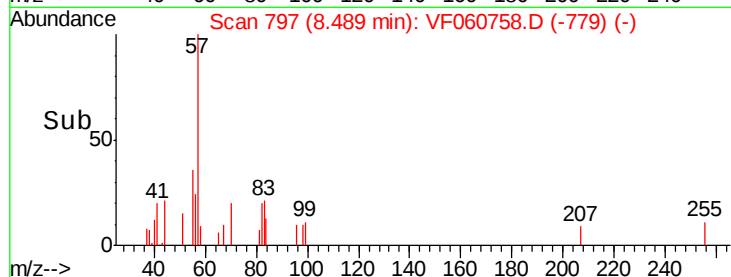
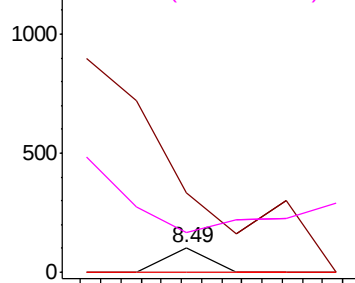


Abundance Ion 97.00 (96.70 to 97.70): VF0

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



#56

Ethyl methacrylate

Concen: 312.072 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

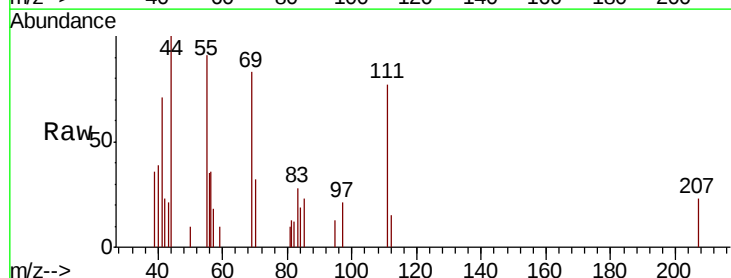
Tgt Ion: 69 Resp: 3321

Ion Ratio Lower Upper

69 100

41 84.8 59.0 88.6

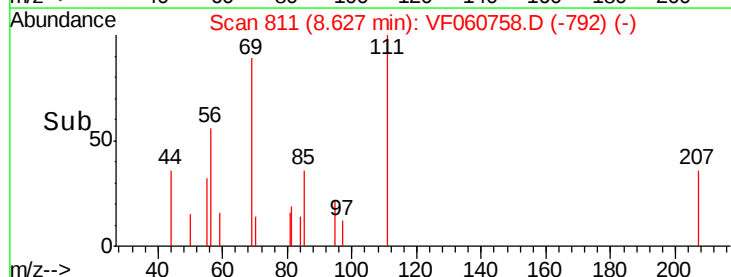
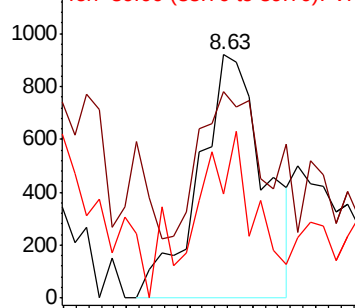
39 42.9 34.0 51.0

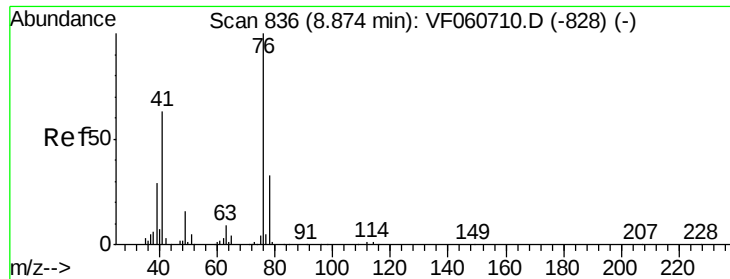


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 4.126 ug/l

RT: 8.69 min Scan# 817

Delta R.T. -0.19 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

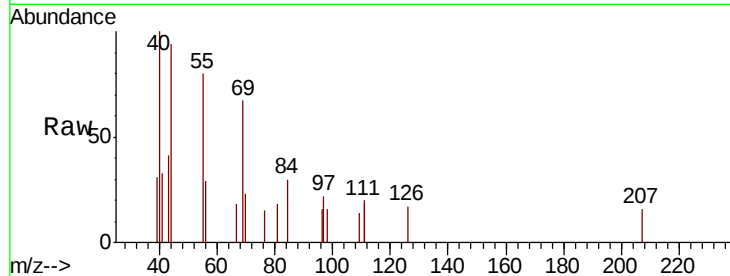
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 67

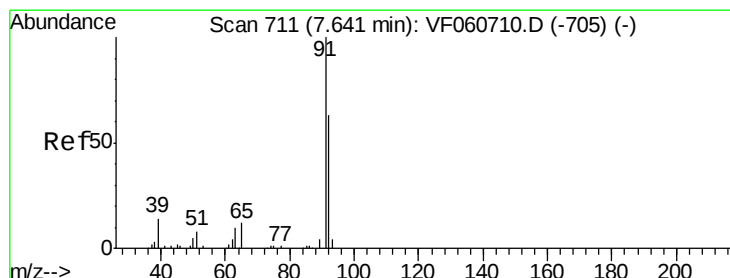
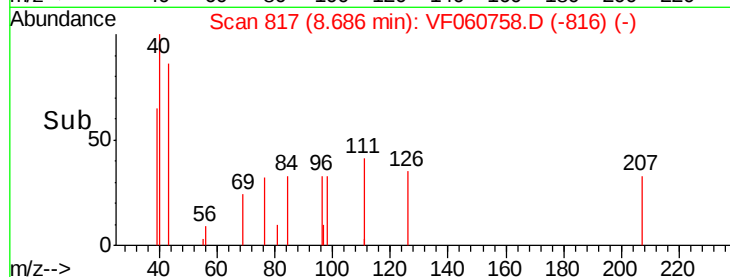
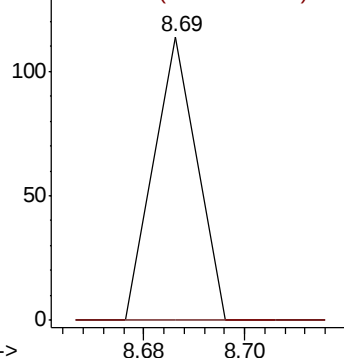
Ion Ratio Lower Upper

76 100

78 0.0 26.6 39.8#



Abundance Ion 76.00 (75.70 to 76.70): VF0
Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 61.721 ug/l

RT: 7.48 min Scan# 695

Delta R.T. -0.16 min

Lab File: VF060758.D

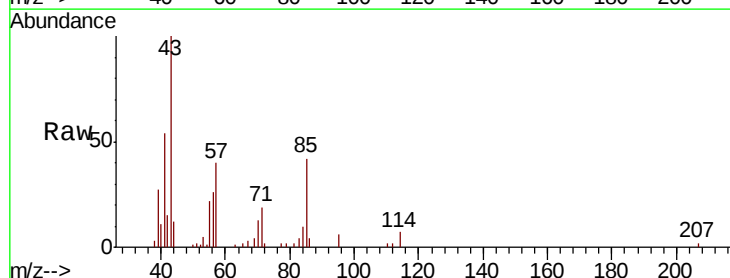
Acq: 15 Nov 2018 20:40

Tgt Ion: 63 Resp: 60

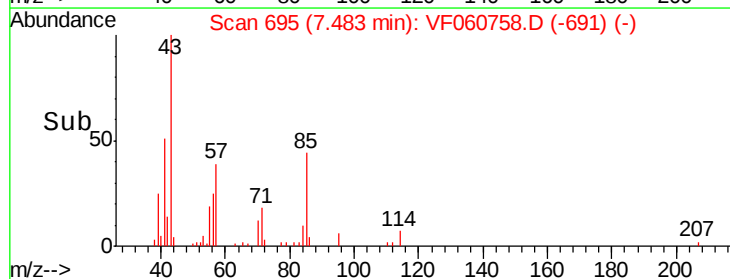
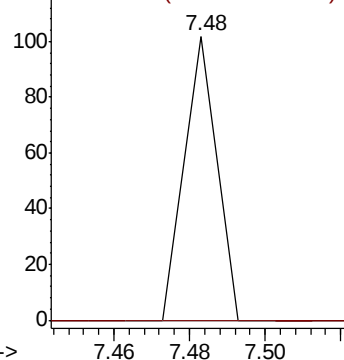
Ion Ratio Lower Upper

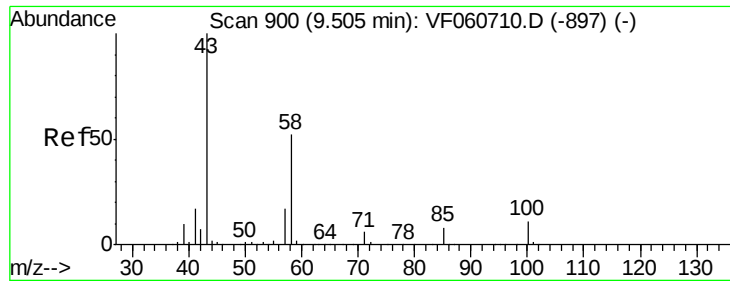
63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0
Ion 106.00 (105.70 to 106.70): V

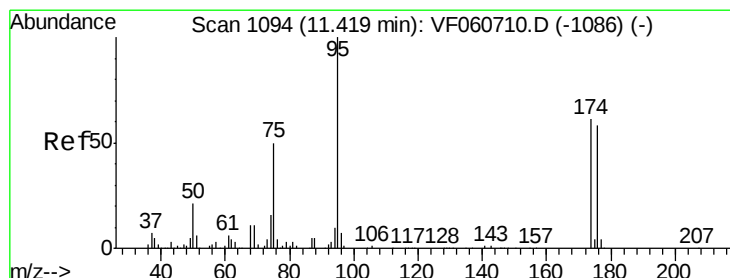
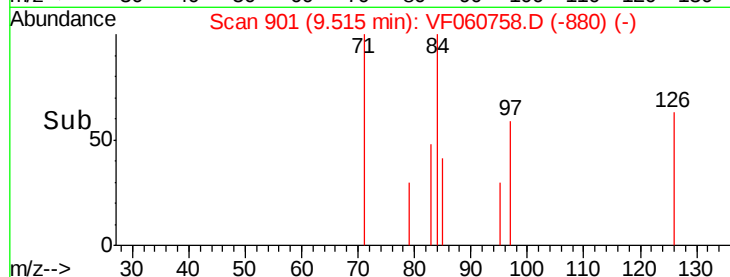
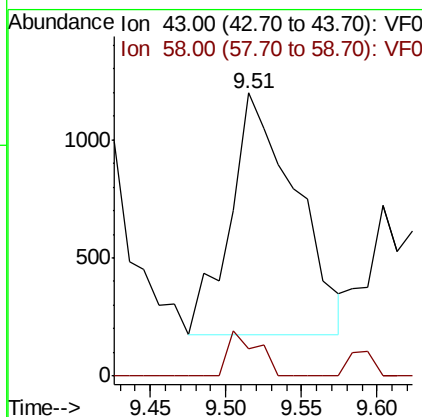
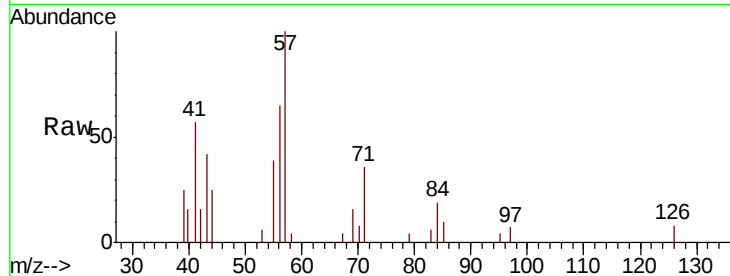




#59
2-Hexanone
Concen: 564.489 ug/l
RT: 9.51 min Scan# 901
Delta R.T. 0.01 min
Lab File: VF060758.D
Acq: 15 Nov 2018 20:40

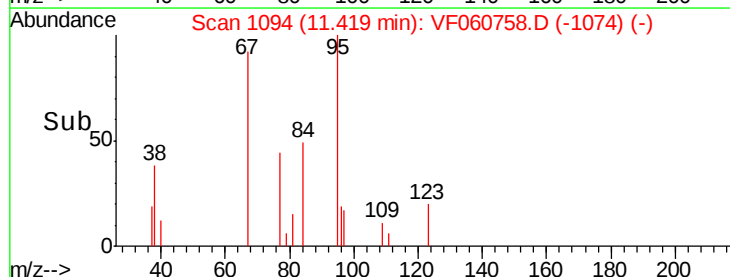
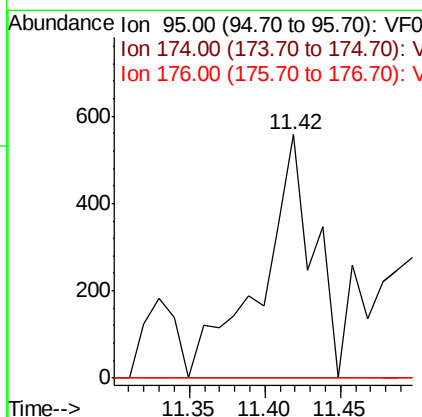
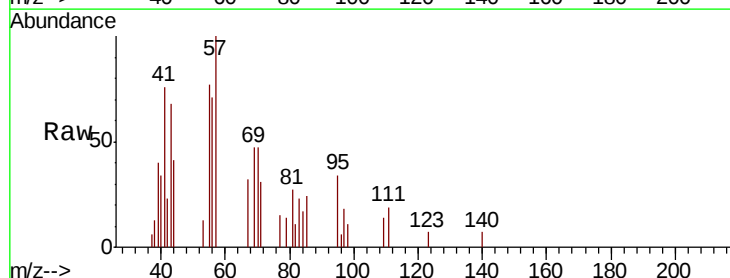
Instrument :
MSVOA_F
ClientSampled :

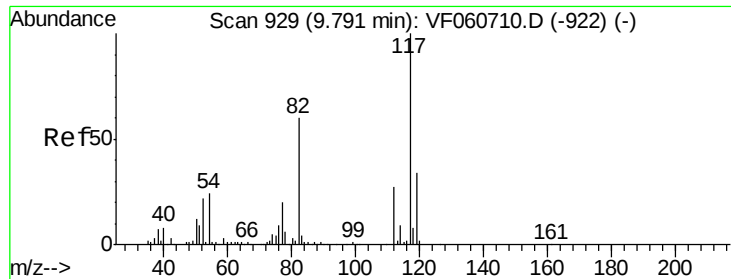
Tot Ion: 43 Resp: 3105
Ion Ratio Lower Upper
43 100
58 9.9 24.9 74.7#



#62
4-Bromofluorobenzene
Concen: 80.759 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF060758.D
Acq: 15 Nov 2018 20:40

Tgt Ion: 95 Resp: 1318
Ion Ratio Lower Upper
95 100
174 0.0 0.0 121.6
176 0.0 0.0 115.2

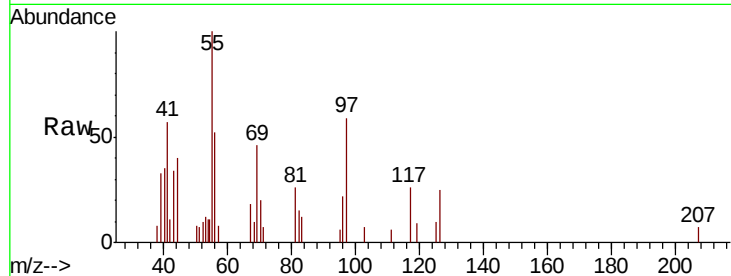




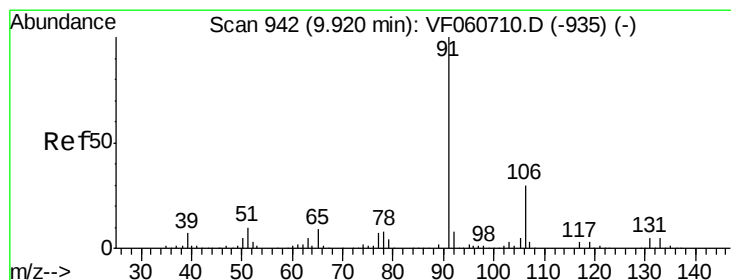
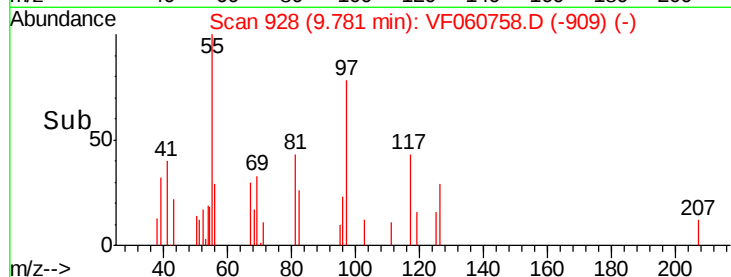
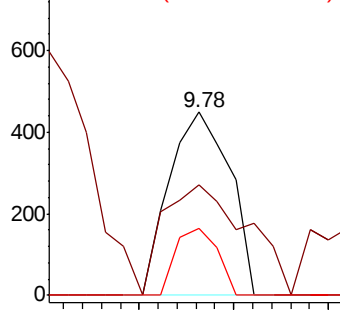
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060758.D
Acq: 15 Nov 2018 20:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 997
Ion Ratio Lower Upper
117 100
82 60.4 47.9 71.9
119 36.5 26.8 40.2

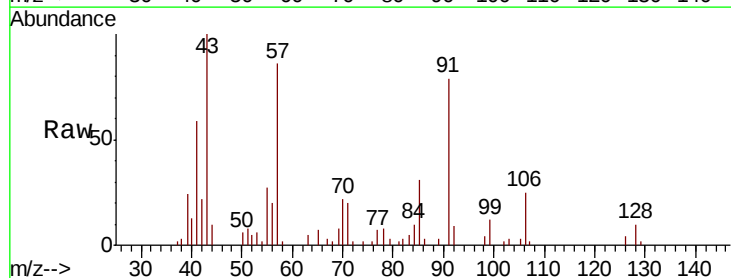


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

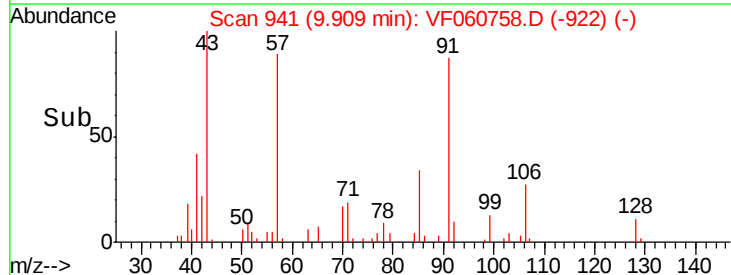
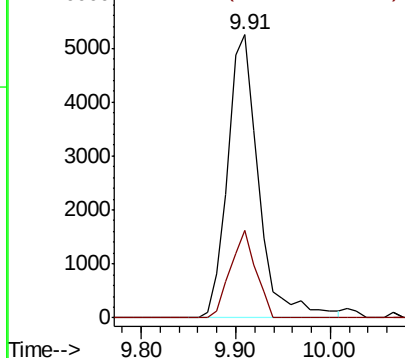


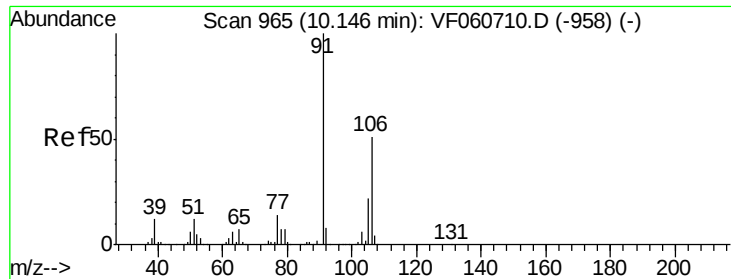
#67
Ethyl Benzene
Concen: 315.669 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060758.D
Acq: 15 Nov 2018 20:40

Tgt Ion: 91 Resp: 11971
Ion Ratio Lower Upper
91 100
106 31.0 23.9 35.9



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

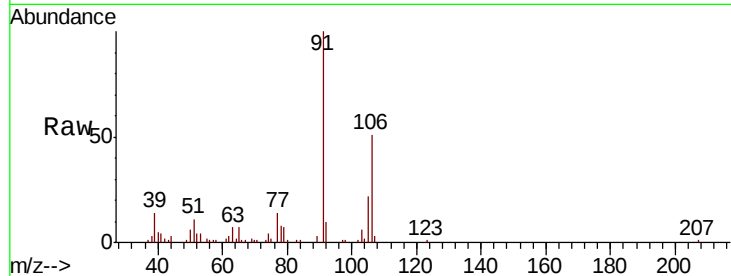




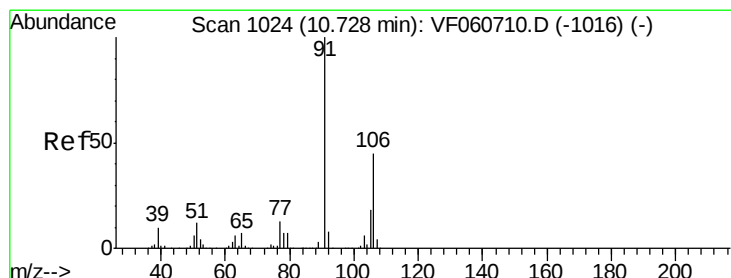
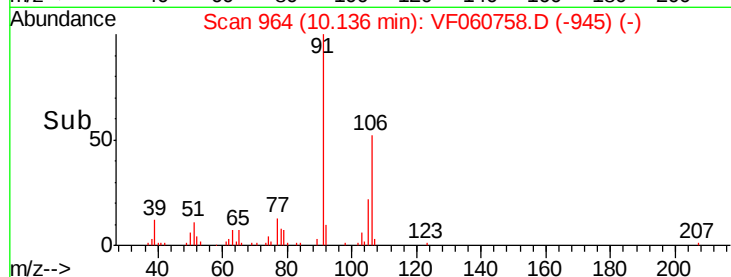
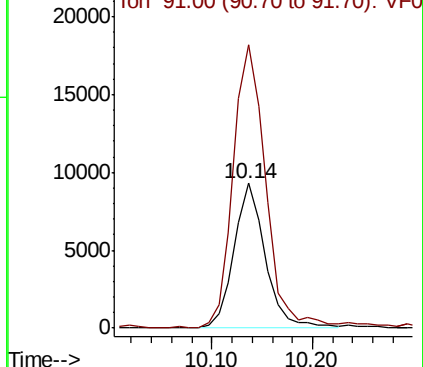
#68
m/p-Xylenes
Concen: 1486.960 ug/l
RT: 10.14 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060758.D
Acq: 15 Nov 2018 20:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 20152
Ion Ratio Lower Upper
106 100
91 195.7 158.2 237.2

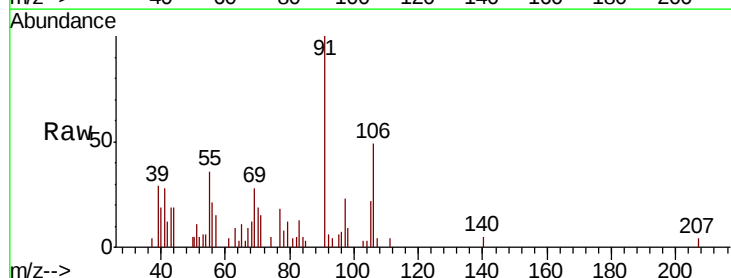


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

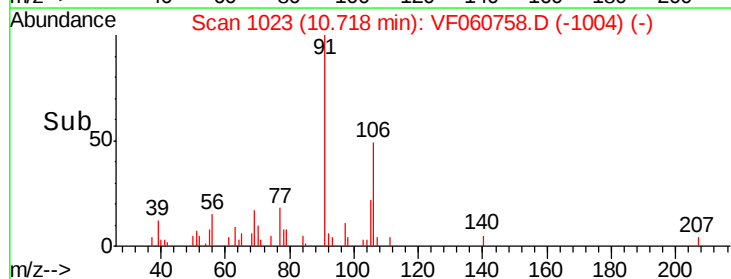
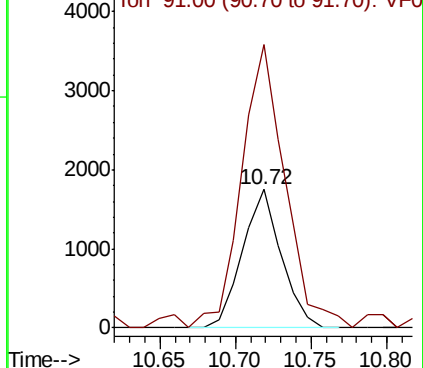


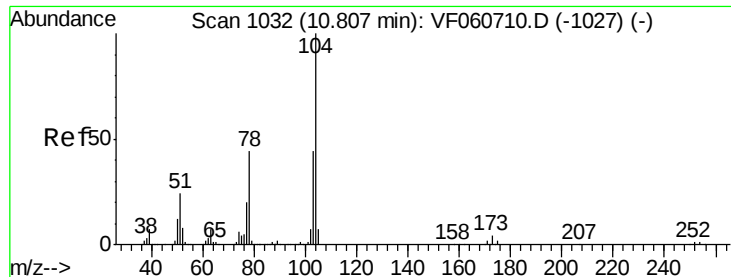
#69
o-Xylene
Concen: 206.604 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060758.D
Acq: 15 Nov 2018 20:40

Tgt Ion:106 Resp: 3148
Ion Ratio Lower Upper
106 100
91 204.7 110.3 330.9



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

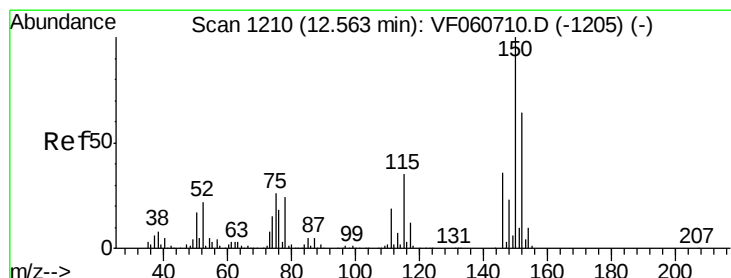
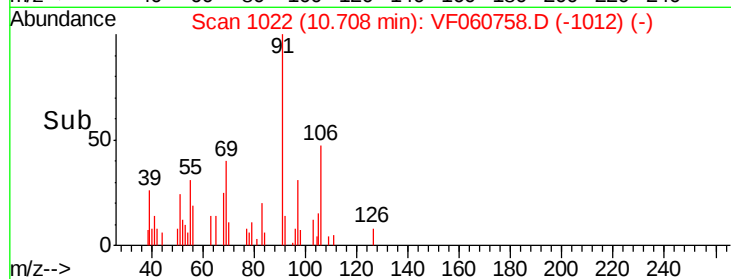
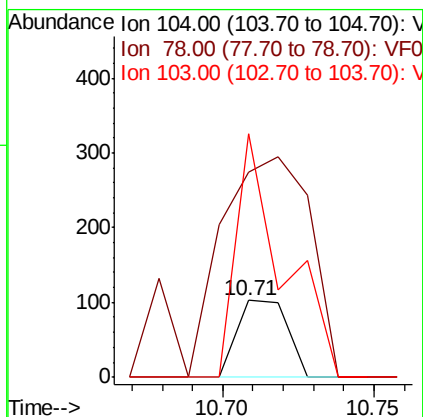
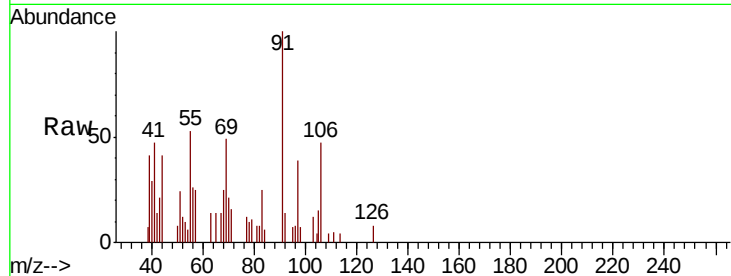




#70
Stvrene
Concen: 5.803 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.10 min
Lab File: VF060758.D
Acq: 15 Nov 2018 20:40

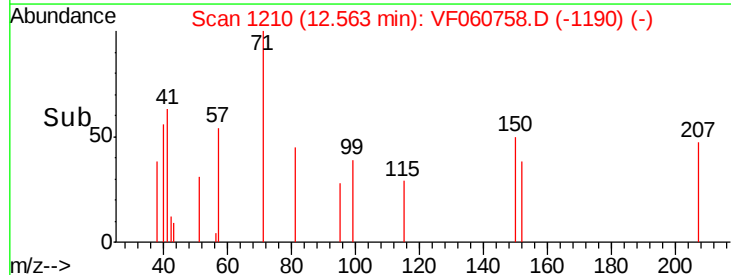
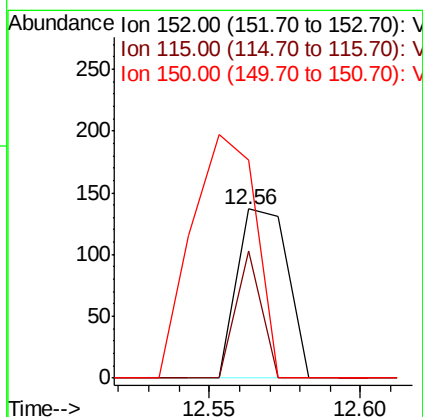
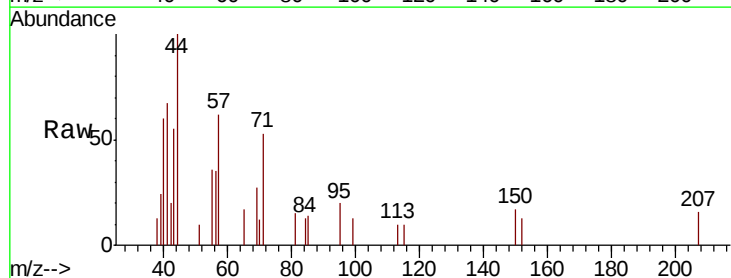
Instrument :
MSVOA_F
ClientSampled :

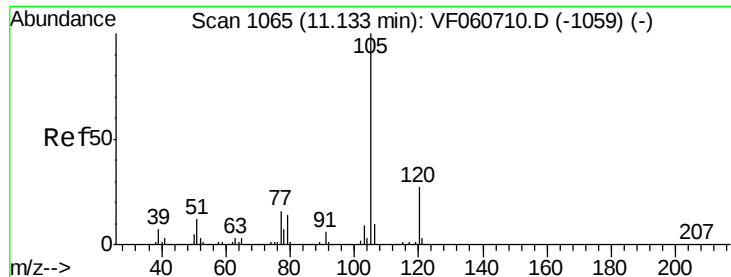
Tot Ion:104 Resp: 120
Ion Ratio Lower Upper
104 100
78 266.0 35.4 53.2#
103 316.5 35.8 53.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VF060758.D
Acq: 15 Nov 2018 20:40

Tgt Ion:152 Resp: 159
Ion Ratio Lower Upper
152 100
115 75.2 27.9 83.7
150 129.2 0.0 316.4





#73

Isopropylbenzene

Concen: 803.772 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

Instrument :

MSVOA_F

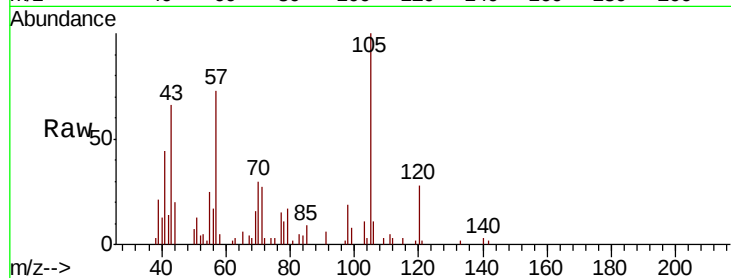
ClientSampleId :

Tot Ion:105 Resp: 10287

Ion Ratio Lower Upper

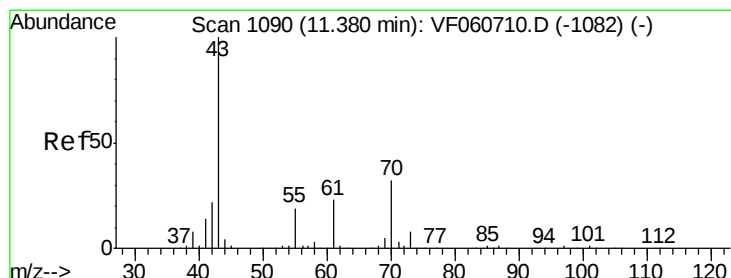
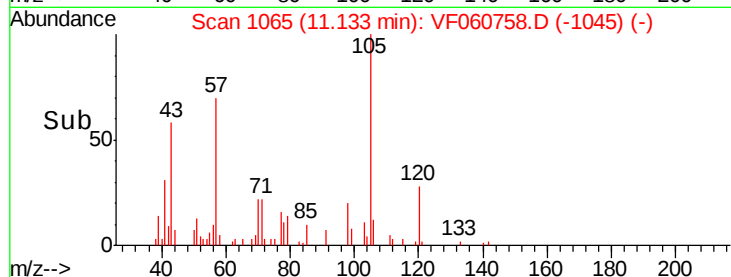
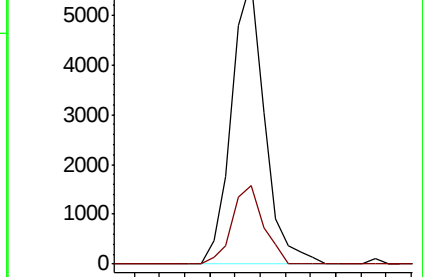
105 100

120 27.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1814.968 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. 0.06 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

Tgt Ion: 43 Resp: 5288

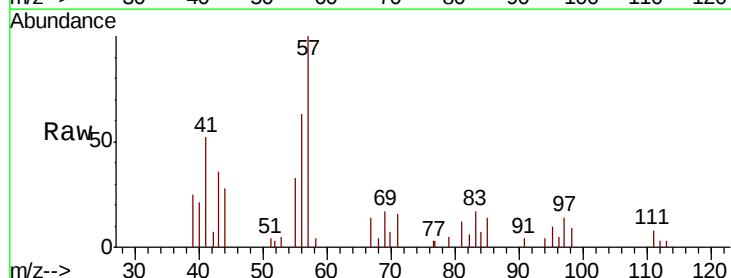
Ion Ratio Lower Upper

43 100

70 19.8 25.5 38.3#

55 93.0 14.9 22.3#

61 0.0 18.6 27.8#

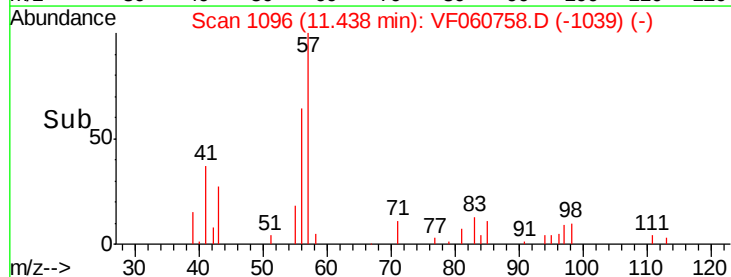
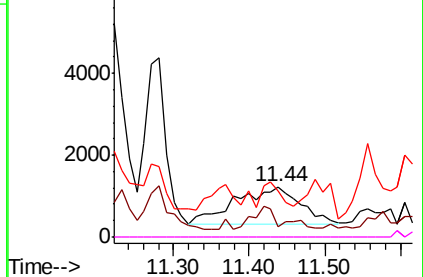


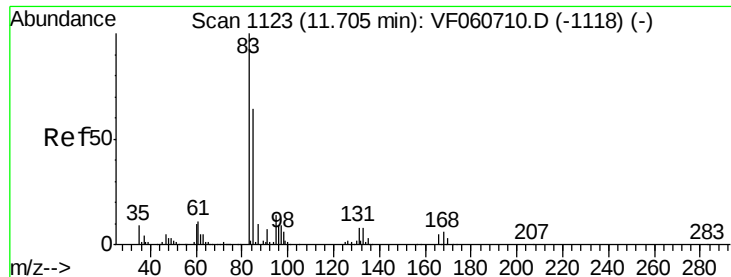
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 75.143 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

Instrument :

MSVOA_F

ClientSampleId :

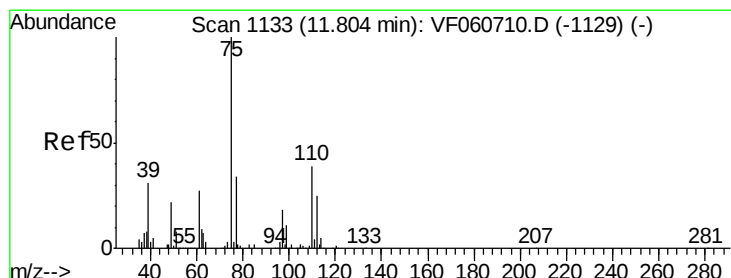
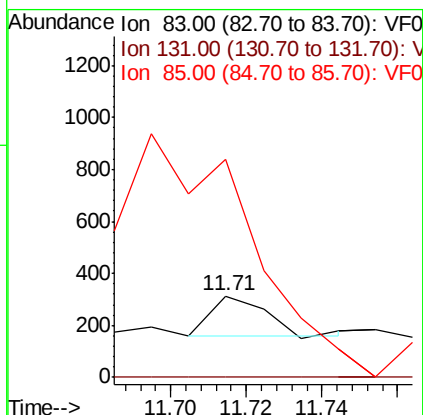
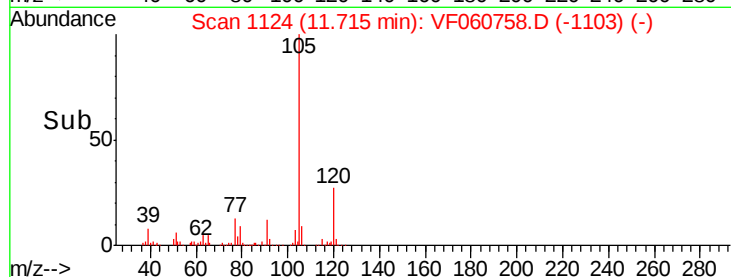
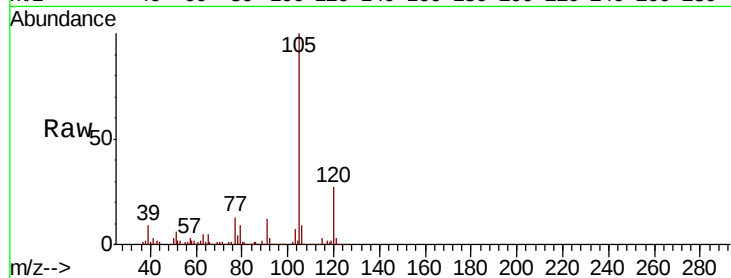
Tot Ion: 83 Resp: 159

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

85 269.2 32.0 96.2#



#76

1,2,3-Trichloropropane

Concen: 100.542 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.02 min

Lab File: VF060758.D

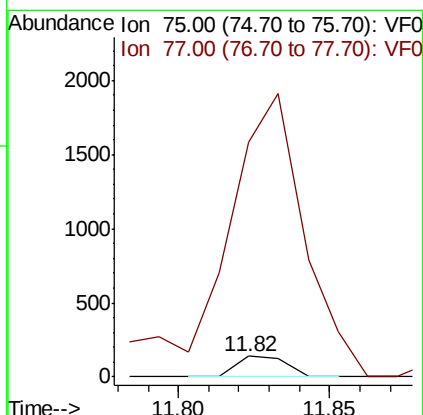
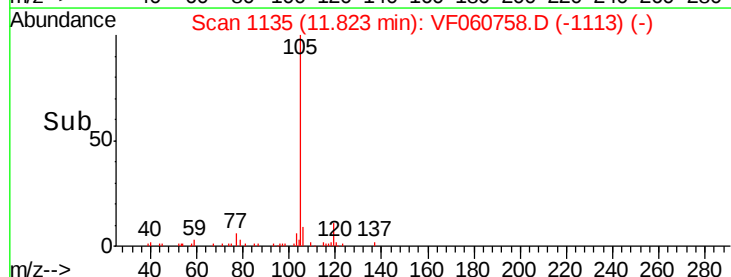
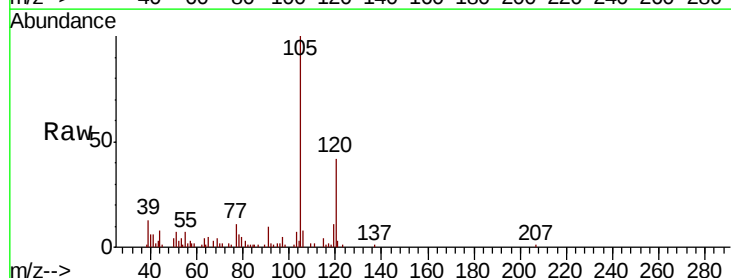
Acq: 15 Nov 2018 20:40

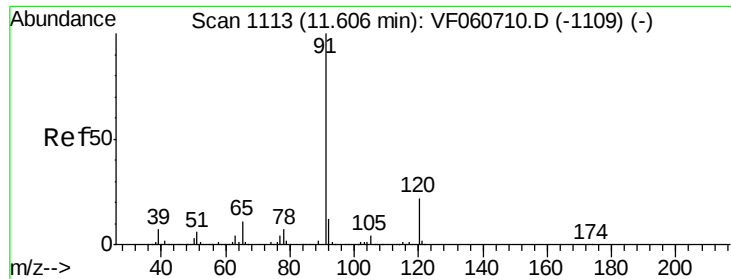
Tgt Ion: 75 Resp: 158

Ion Ratio Lower Upper

75 100

77 1137.4 17.0 51.0#





#78

n-propylbenzene

Concen: 3490.366 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

Instrument :

MSVOA_F

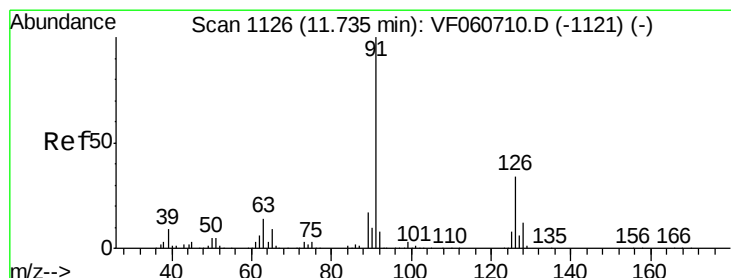
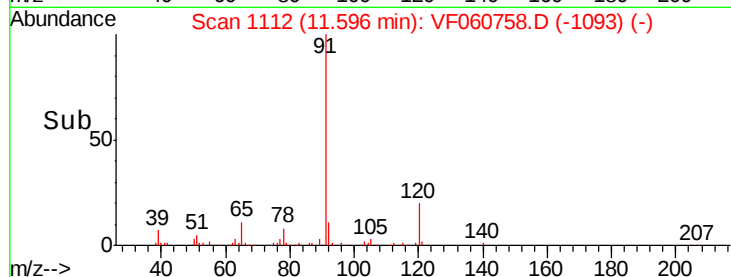
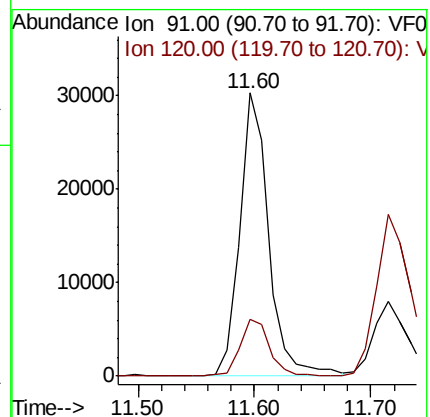
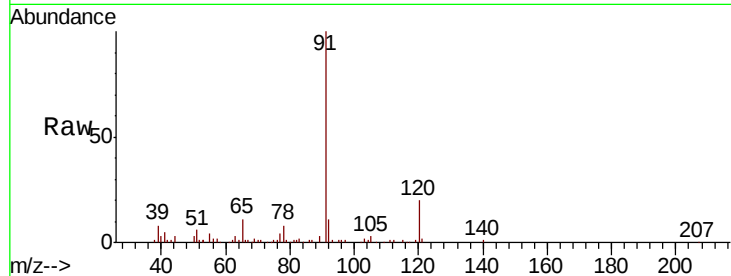
ClientSampleId :

Tot Ion: 91 Resp: 52099

Ion Ratio Lower Upper

91 100

120 20.0 11.2 33.5



#79

2-Chlorotoluene

Concen: 1988.605 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VF060758.D

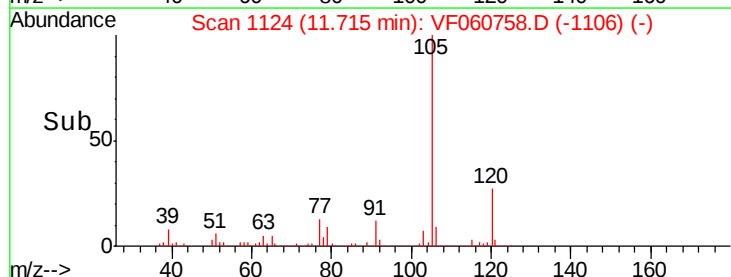
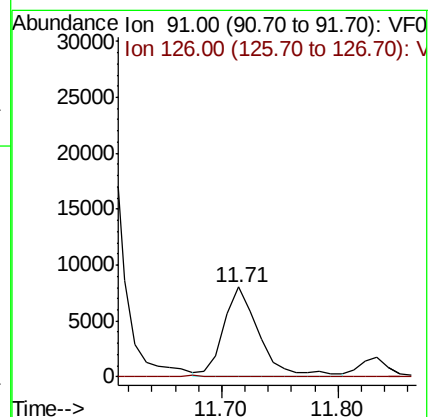
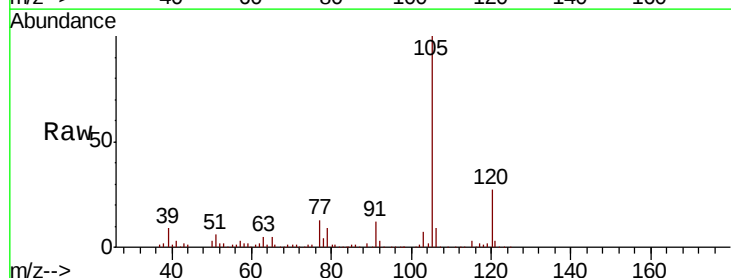
Acq: 15 Nov 2018 20:40

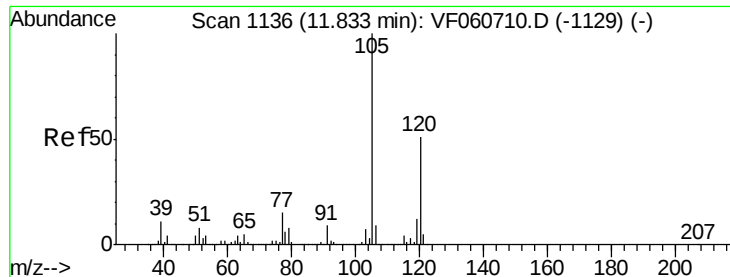
Tgt Ion: 91 Resp: 17252

Ion Ratio Lower Upper

91 100

126 0.0 16.8 50.4#





#80

1,3,5-Trimethylbenzene

Concen: 2342.232 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

Instrument :

MSVOA_F

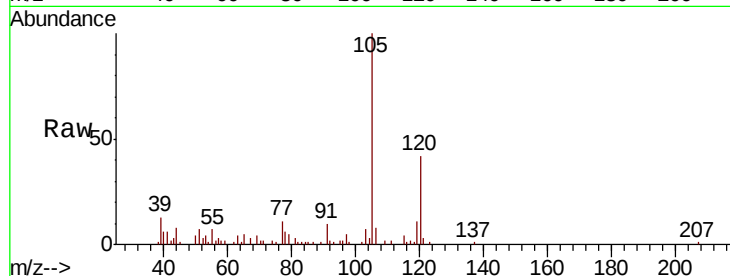
ClientSampled :

Tot Ion:105 Resp: 23799

Ion Ratio Lower Upper

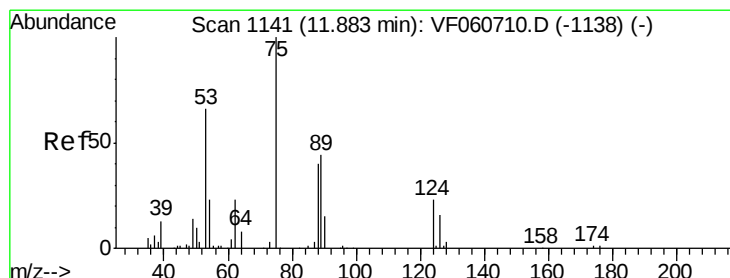
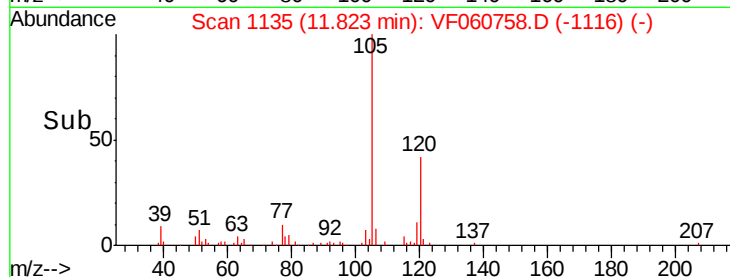
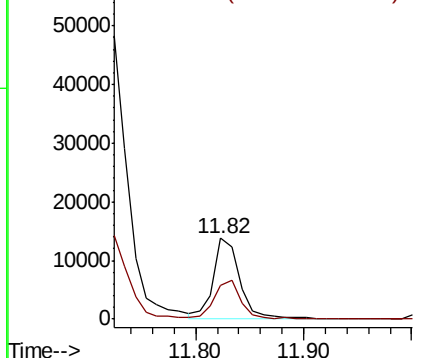
105 100

120 42.4 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 85.487 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.03 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

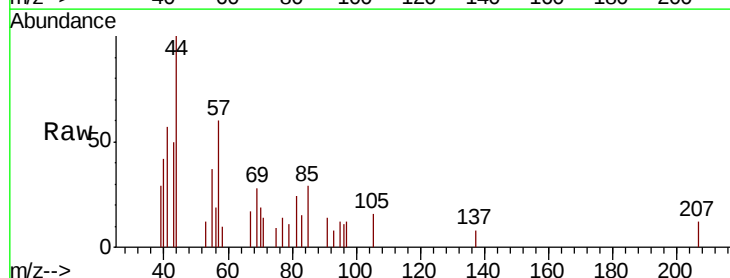
Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

53 127.7 57.0 85.4#

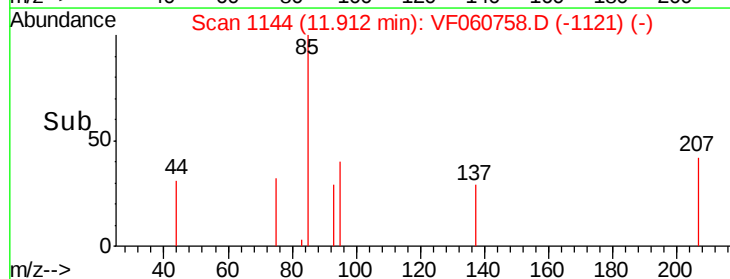
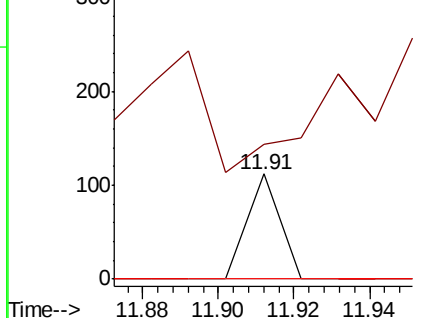
89 0.0 37.8 56.8#

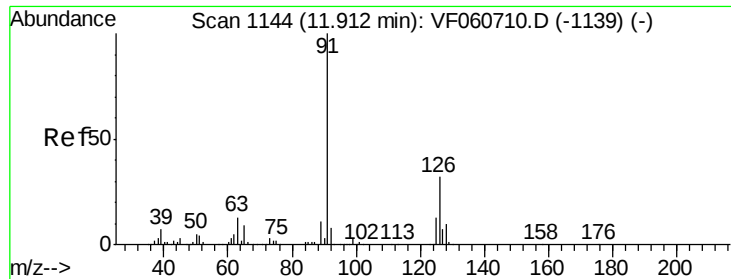


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0





#82

4-Chlorotoluene

Concen: 58.959 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

Instrument :

MSVOA_F

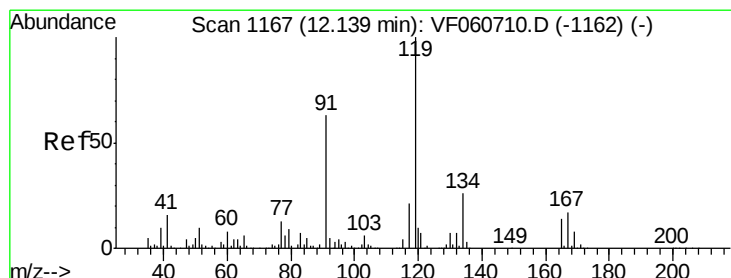
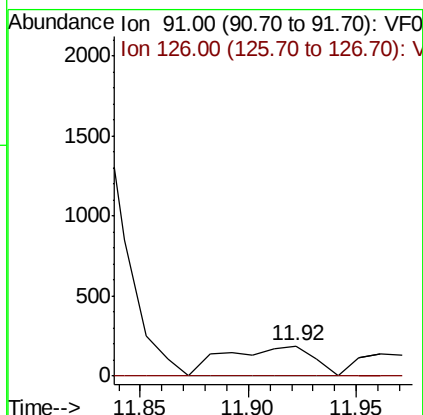
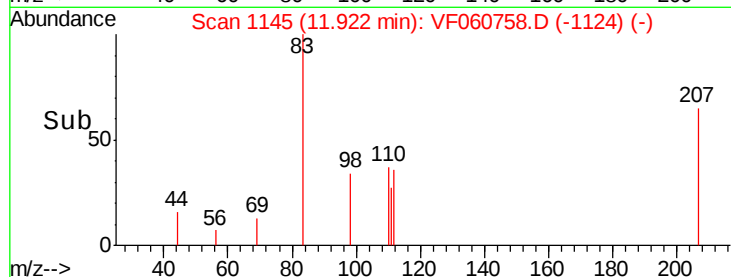
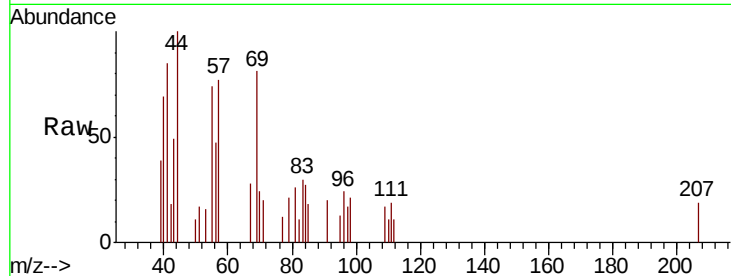
ClientSampleId :

Tot Ion: 91 Resp: 524

Ion Ratio Lower Upper

91 100

126 0.0 16.0 47.9#



#83

tert-Butylbenzene

Concen: 8.620 ug/l

RT: 12.14 min Scan# 1167

Delta R.T. -0.00 min

Lab File: VF060758.D

Acq: 15 Nov 2018 20:40

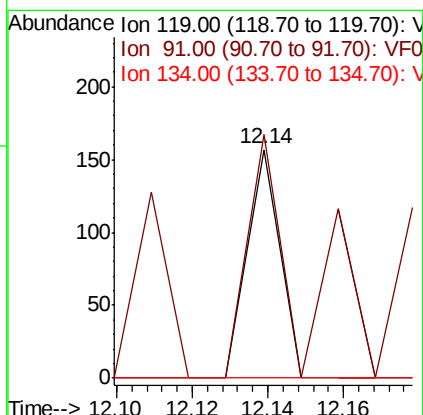
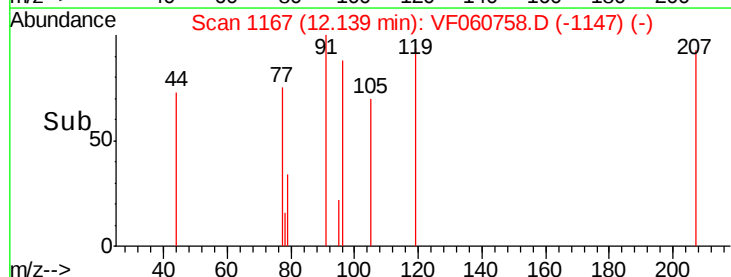
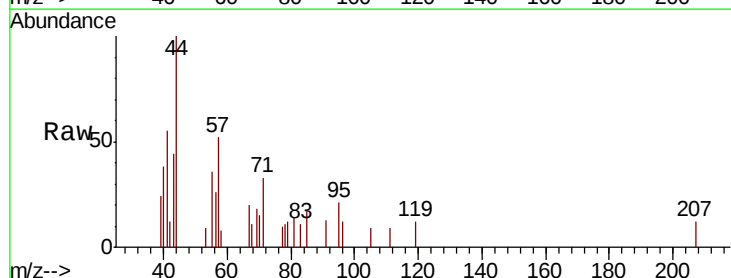
Tgt Ion: 119 Resp: 93

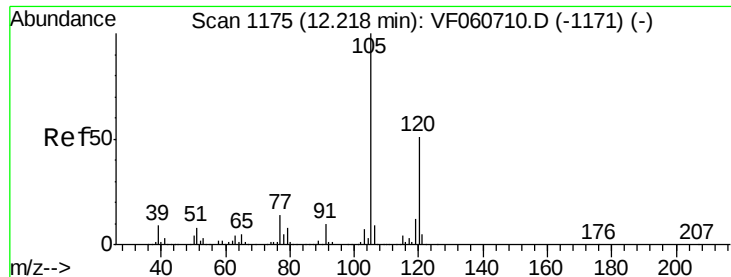
Ion Ratio Lower Upper

119 100

91 106.4 31.4 94.3#

134 0.0 12.8 38.4#

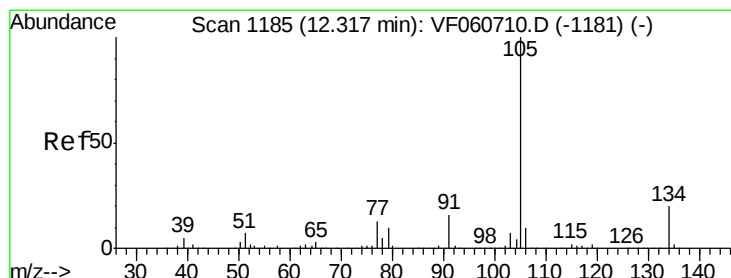
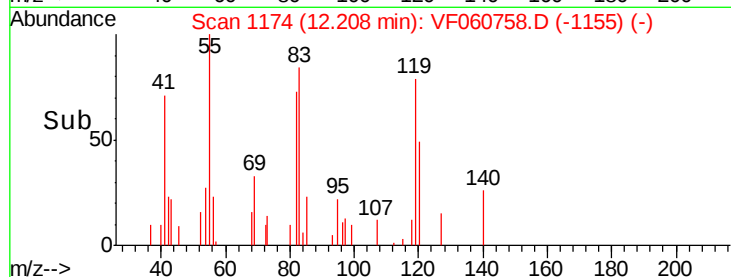
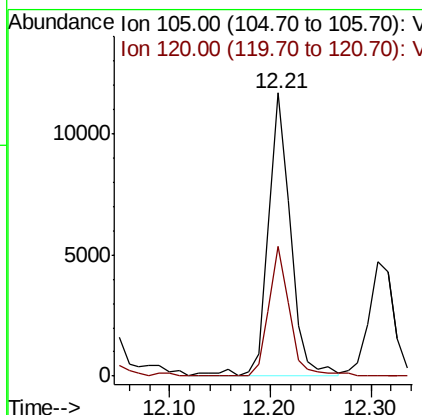
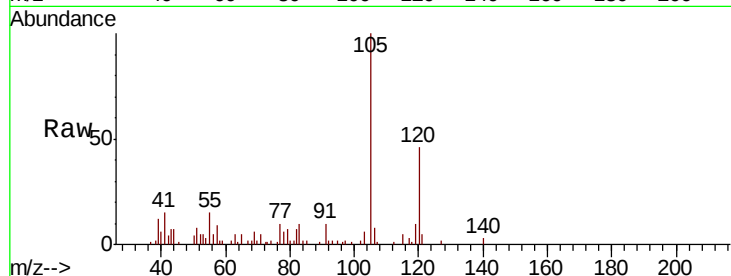




#84
1,2,4-Trimethylbenzene
Concen: 1703.377 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VF060758.D
Acq: 15 Nov 2018 20:40

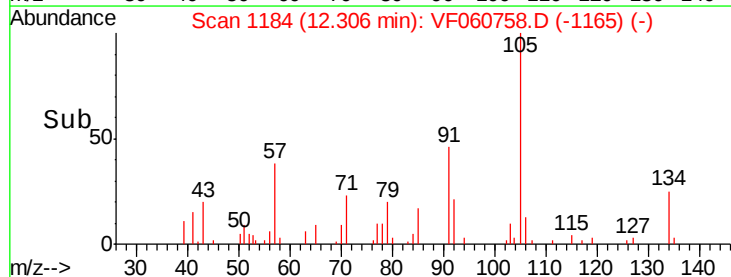
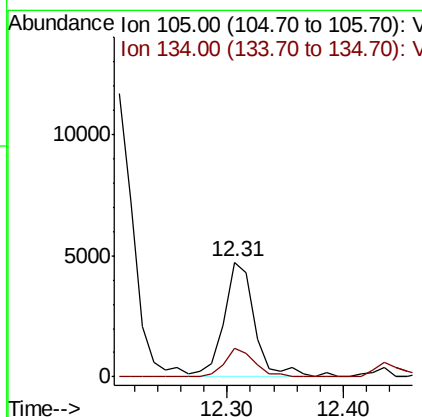
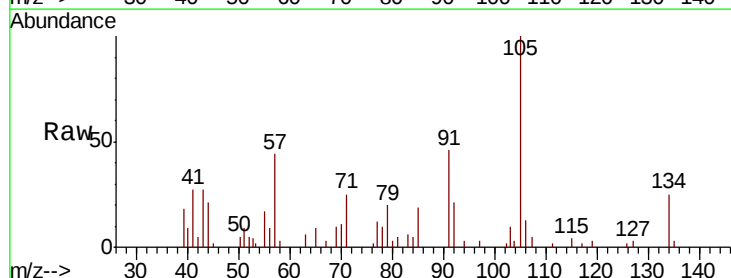
Instrument :
MSVOA_F
ClientSampleId :

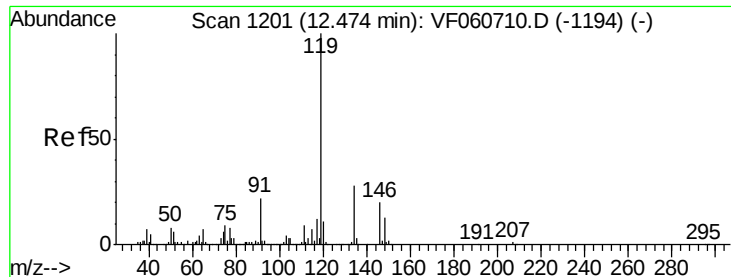
Tot Ion:105 Resp: 17900
Ion Ratio Lower Upper
105 100
120 45.8 25.5 76.5



#85
sec-Butylbenzene
Concen: 593.451 ug/l
RT: 12.31 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF060758.D
Acq: 15 Nov 2018 20:40

Tgt Ion:105 Resp: 8685
Ion Ratio Lower Upper
105 100
134 25.0 10.1 30.3

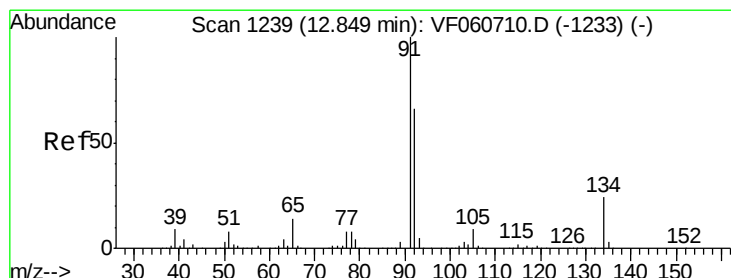
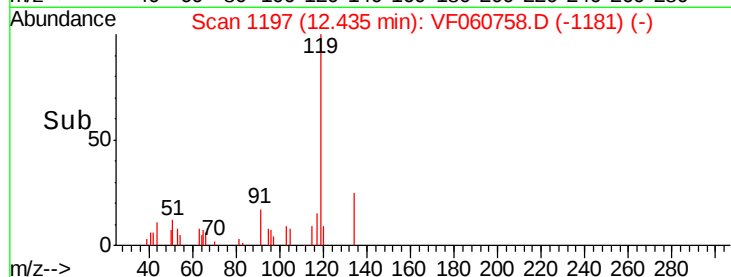
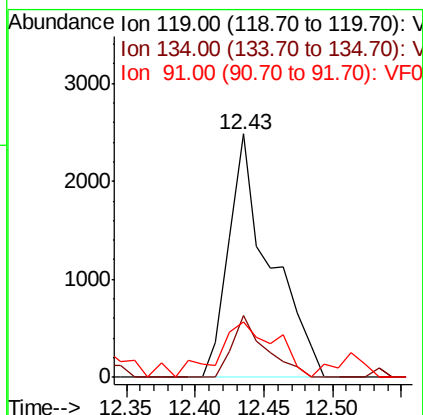
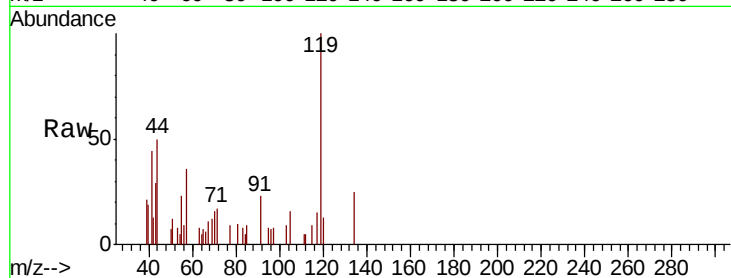




#86
p-Isopropyltoluene
Concen: 426.333 ug/l
RT: 12.43 min Scan# 1197
Delta R.T. -0.04 min
Lab File: VF060758.D
Acq: 15 Nov 2018 20:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.9	41.7
91	22.6	11.3	33.9



#89
n-Butylbenzene
Concen: 199.220 ug/l
RT: 12.82 min Scan# 1236
Delta R.T. -0.03 min
Lab File: VF060758.D
Acq: 15 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	90.2	33.1	99.2
134	77.5	11.9	35.9#

